


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS): HYDERABAD-31

Table showing the details of MOM of Academic Council where the approval for the scheme and syllabus is given. The data is highlighted and the approved schemes are attached. The details of the syllabus can also be seen in the VCE web site given below.

https://vce.ac.in/Academics/Syllabus/Syllabus_Civil.cshtml?ay=2019-2020

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PRINCIPAL
PRINCIPAL
Vasavi College of Engineering
(Autonomous)
9-5-81, Ibrahimbagh,
Hyderabad-500031, Telangana State

VASAVI COLLEGE OF ENGINEERING
(Autonomous)
 IBRAHIMBAGH, HYDERABAD – 500 031

Minutes of the meeting of the First Academic Council (Under Autonomous)
held on 23.03.2015 at 11.00 a.m. in the Conference Hall, Vasavi College of Engineering

Members Present:

1	Dr. G.V. Ramana Murty, Principal	:	Chairman
2	Prof. A. Venugopal Reddy, Dean Faculty of Engg., OU	:	Univ. Nominee & Member
3	Prof. P. Laxminarayana, Dept. of Mech. Engg., OU	:	Univ. Nominee & Member
4	Dr. K.S. Ratnakar, Director, GMRF, Hyderabad	:	Educationist & Member
5	Sri Ramesh Loganathan, Vice President, Products & Centre Head, Progressive Software, Hyderabad	:	Industry Representative & Member
6	Dr. C.N.V. Ramana, General Manager, TCGT, BHEL, Hyd	:	Industry Representative & Member
7	Dr. B. Sridhar, HoD, Civil Engg.	:	Member
8	Dr. T. Adi Lakshmi, HoD, CSE	:	Member
9	Dr. K. Jaya Sankar, HoD, ECE	:	Member
10	Prof. K.V. Ramana Murthy, HoD, EEE	:	Member
11	Dr. N. Vasantha, HoD, I.T	:	Member
12	Dr. G.V. Ramana Murty, HoD, Mech. Engg.	:	Member
13	Dr. P. Hemagiri Rao, HoD, C.A.	:	Member
14	Dr. T. Sudhakara Rao, HoD, Mathematics	:	Member
15	Dr. A.S. Sai Prasad, HoD, Physics	:	Member
16	Sri Ch. Gouri Shankar, HoD, Chemistry	:	Member
17	Ms. Jacqueline Amaral, HoD, H & SS	:	Member
18	Dr. K. Kishore, Professor, Mech. Engg.,	:	Member
19	Dr. E. Sreenivasa Rao, Professor, ECE	:	Member
20	Dr. M. Chakravarthy, Professor, EEE	:	Member
21	Dr. K. Ram Mohan Rao, Asso. Prof., CSE	:	Member
22	Dr. G. Ramadevudu, Asst. Prof., Physics	:	Member-Secretary

The following members of the Academic Council could not attend the meeting:

1. Prof. V.S.S. Kumar, Department of Civil Engineering, Osmania University
2. Dr. V. Sudhakar, Prof. & Head, Department of Education, EFLU, Hyderabad

The Chairman of the Academic Council, Dr. G.V. Ramana Murty, presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:

1. Introduction of members:

At the outset the Chairman, Academic Council, introduced the new members to the Academic Council.

2. Report on Institutional Academic Activities:

The Chairman gave a brief report of the institutional academic activities in the areas viz., VISION, MISSION, QUALITY POLICY, courses offered, results, placements and progress achieved by the institution since its inception.

All the members appreciated the initiatives taken by the college for overall development and the measures for offering quality education.

3. Approval of new curriculum of 1/4 B.E., 1st & 2nd Sem., & M.E./M.Tech under autonomy finalized by the respective Boards of Studies:

On request made by the Chairman, HoDs of various Departments made brief presentations on the newly introduced curriculum. The gist of the recommendations of the respective BoS meetings was presented by the HoDs/chairmen of BoS.

UG Programmes:**3.1 Department of Mathematics**

The HoD-Mathematics informed the members that Mathematics-I and Mathematics-II had been introduced under autonomy in 1st year 1st & 2nd semesters respectively, as per the decision taken in the BoS. He clarified that the new syllabus concentrates more on applied aspects of mathematics to various engineering branches.

3.2 Department of Physics

The HoD-Physics presented curricula as finalized by the BoS. He informed the members that the curriculum for B.E. 1st year I-Sem. is common to all branches, whereas in II-Sem., syllabus is framed in such a way that Core Branches (Civil, Mechanical & EEE) will have a common syllabus whereas the non-core branches (ECE, CSE and IT) will have another set of common syllabus suited to the branch requirements.

3.3 Department of Chemistry

The HoD-Chemistry gave a brief presentation on the new curricula of chemistry as finalized by the BoS. He informed the members that the curriculum for B.E. 1st year I-Sem. is common to all branches, whereas in II-Sem., syllabus is framed so that Core Branches (Civil, Mechanical & EEE) will have a common syllabus whereas the non-core branches (ECE, CSE and IT) will have another set of common syllabus as per the branch requirements.

Suggestions made by the member:

- Dr. P. Laxminarayana has suggested that there shall not be any repetition of topics in Physics & Chemistry under Nano Materials chapters.
- Dr. CNV-Ramana and Prof. P. Laxminarayana have also informed that in the next meetings of the BoS, the Department of Chemistry should include "Surface Coatings" in the syllabus. This will enhance the overall concepts of the subject which is very useful to industry.

The HoD-Chemistry informed the members that these suggestions would be placed before the BoS-Chemistry for consideration and revision of syllabus in the next meeting.

3.4 Department of H & SS

The HoD-H & SS gave a presentation on the new curriculum as approved by the BoS-H & SS.

Suggestions made by the members:

Prof. A. Venugopal Reddy suggested that the credits offered for the English course be changed from 2 to 3 or the No. of periods from 3 to 2. He also suggested that reading as well as comprehension be embodied in the syllabus.

Dr. CNV Ramana suggested that Technical Report Writing should be incorporated in the curriculum, as it will be more useful when a student takes up employment. He desired that questions in the form of objective type be removed. He felt that English should be offered to all the years with appropriate content, so that the communication and writing skills of the students will improve and match with the industry requirements.

The HoD-H & SS informed the members that they are also contemplating to keep English in 2nd & 3rd year curriculum also. It is proposed to increase the present semester examination marks from 50 to 60 in the next academic year with corresponding increase in credits.

The suggestions and the revision of the syllabus as proposed above will be placed before the BoS-H & SS for approval.

After detailed discussions, the Academic Council has ratified the above proposed scheme of examination & evaluation and syllabi of Mathematics, Physics, Chemistry and H & SS (both Theory & Lab) of 1/4 B.E. 1st & 2nd Semesters for implementation w.e.f. the academic year 2015-16 onwards. The suggestions are to be placed before next BoS meeting for discussion and finalization.

3.5 **Department of Civil Engineering:**

The HoD-Civil Engineering informed the members about the proposed changes in the subjects of "Engineering Mechanics" and "Engineering Graphics" in the syllabi of introducing both the semester under autonomy.

The Academic Council has ratified the scheme of examination & evaluation and Syllabi.

3.6 **Computer Science & Engineering:**

The HoD-CSE informed the members about the syllabus for 1/4 B.E. 1st & 2nd Semesters offered by the CSE Department. The 1st Semester syllabus namely, "Programming in C and "Problem Solving" and the 2nd semester course title is "Programming with OOPS" has been presented by the HoD along with "Computer Programming Lab-I & Lab-II. She also presented the Curriculum of Computer Science Workshop for CSE Branch in 1st year II-Semester.

Suggestions made by the members:

Sri Ramesh Loganathan stated that CS Workshop should be made common to all Branches of engineering. The content of CS Workshop is essential and it should not be just limited to C++ but it can include "Scripting Tools", "Mathematical Tools" such as MATLAB, System-R. He also elaborated the models that are being implemented in IIIT and IIT-Hyderabad on Concepts of Engineering. He further suggested that CS course to non-CS branches from 2nd year onwards be introduced.

He also suggested making a list of 20 subjects on Computer Science and of which, 10 subjects can be selected to offer to the students at various levels. He agreed to extend necessary guidance in this regard from industry side.

Prof. P. Laxminarayana suggested making a list of courses to offer Choice-Based Credit System (CBCS) which is being implemented by the UGC.

Dr. CNV Ramana stated that in addition to the Scripting Tools, knowledge of C++ is necessary in industry. Hence fundamentals of C++ should also be taught students of all branches.

Prof. A. Venugopal Reddy suggested that if possible, the college can introduce more courses on Computer Science in 2nd & 3rd years also.

Ratified the scheme of instruction & evaluation and syllabi for 1st year 1st & 2nd Semester proposed by CSE.

3.7 **Electronics & Communication Engineering:**

The HoD-ECE has presented the syllabus to be offered to the 1/4 B.E. 1st year students in the 2nd Semester viz., EC Workshop for ECE students.

The proposed syllabus and scheme of instruction & evaluation to offer for 1/4 B.E. during 2nd Semester is ratified.

3.8 **Electrical & Electronics Engineering:**

The HoD-EEE has presented new curriculum of 1/4 B.E. 2nd Semester of CSE, ECE and IT branches course in "Basic Electrical Engineering". He stated that under autonomy, the BEE course had been introduced to 1st year students of CSE, ECE and IT which is not there in the university affiliation system.

The above proposed scheme of instruction, evaluation and syllabus for 1/4 B.E. during 2nd Semester is ratified.

3.9 **Mechanical Engineering:**

The HoD-Mechanical Engg., presented the new curriculum of Workshop as approved by the BoS. He also presented the syllabus of Workshop to be offered during 1st & 2nd Semester to the various branches as given in the "Scheme of Instruction".

The above proposed scheme of instruction, evaluation and syllabus is ratified.

3.10 **Information Technology:**

The HoD-IT has presented the curriculum of IT Workshop to be offered to 1/4 B.E. students of IT branch in the 2nd Semester. She informed that IT workshop is a mix of content from CSE and ECE programmes.

The above proposed scheme of instruction, evaluation and syllabus is ratified.

PG PROGRAMMES:

3.11 **M.E (ECE) – Embedded Systems & VLSI Design and Communication Engineering & Signal Processing:**

The HoD-ECE has presented the proposed syllabus under autonomy for both the Streams i.e., Embedded Systems & VLSI Design and Communication Engineering & Signal Processing along with the list of core subjects, electives and labs.

Prof. A. Venugopal Reddy suggested inclusion of Marks and Grades to the Laboratory courses.

Ratified both the Theory and Lab syllabus and scheme of instruction & evaluation as proposed.

3.12 **M.E (Mech.) – Advanced Design & Manufacturing:**

The HoD-Mech. has presented the proposed syllabus under autonomy for M.E (Mech.) – Advanced Design & Manufacturing along with the list of core subjects, electives and labs.

Dr. CNV Ramana suggested inclusion of CFD as an elective. It was clarified that this elective would not fit into the specialization being offered.

Ratified both the Theory and Lab syllabi and scheme of instruction & evaluation as proposed.

3.13 **M.E (EEE) – Power Systems & Power Electronics:**

The HoD-EEE has presented the curriculum designed and approved by the BoS for M.E (EEE) course along with the list of core subjects, electives and labs.

Ratified both the Theory and Lab syllabi along with scheme of instruction & evaluation as proposed.

3.14 **M.Tech (CSE) – Computer Science & Engineering:**

The HoD-CSE has presented the curriculum designed and approved by the BoS for M.Tech (CSE) course along with the list of core subjects, electives and labs.

Ratified both the Theory and Lab syllabi and scheme of instruction & evaluation as proposed.

The Council felt that each Department should prepare a list of elective subjects and group them into 2 or 3 categories for M.E /M.Tech courses. The students are required to select at least one from each group and the remaining electives can be of their choice from the list. This has already been incorporated in M.E – ADM, which may be followed by the others.

4. **Approval of new curriculum of MCA under autonomy:**

The HoD-CA has presented the curriculum designed and approved by the BoS for MCA course (1st year 1st & 2nd Semester).

On the suggestion made by the Council to include one Laboratory Period on "Accounting Package", course in MCA program, the HoD-CA informed the members that the a decision on this has already been taken in the BOS meeting and could not implement in this year owing to lack of time. However, it will be introduced from the next academic year i.e. 2015-16.

Ratified the Scheme of Instruction & evaluation syllabi as proposed.

PROMOTION RULES:

Attendance requirements:

Under Academic Rules, it was proposed that UG students should secure minimum 75% aggregate attendance in all subjects put together to be eligible to appear for the semester examinations and in case PG students, the requirement of attendance is 75% in each subjects. It was also informed that on medical grounds for UG and PG students, the aggregate attendance percentage required to meet the eligibility is 65.

The Council approved the attendance requirements for both the UG and PG programmes.

Minimum requirements for promotion (B.E & M.E)

- a) The Principal has proposed the minimum requirements for promotion. He informed that BE students should get at least 40% of aggregate marks in internal examinations to get eligibility to appear for semester examinations.
- b) The Principal has explained that to pass in each subject, the UG students should secure a minimum 40% i.e., 28 marks out of 70 marks in the end semester examination in each subject. He also explained that in case of M.E., the students should secure a minimum 50% of marks in each subject.

The Council approved minimum 40% of aggregate marks in the internal examination to get eligibility to appear for semester examinations and 40% marks in each subject in the semester examination for B.E course and 50% marks in each subject for PG courses in Engineering.

Minimum requirements for promotion (ME)

The Principal has explained that for M.E. students, in the internal lab examinations, the minimum marks to be secured by the students in lab examination are 50% in each subject for a pass.

5. **Approval of Examination & Evaluation System:**

The Principal has informed the members about the Examination & Evaluation System, Rules & Regulations designed under autonomy to be implemented from the academic year 2014-15.

It has been decided that the internal examinations will be conducted for 30 marks and final semester examinations for 70 marks. Initially it is decided to conduct 3 assignment tests, 3 quizzes in addition to 2 internal examinations to the students of B.E., M.E. and MCA courses for the 1st semester. However from the feedback of the students, it was felt that the students are finding no time to write more number of tests. Hence, the Principal has requested the Council to approve for conducting 2 assignments and 2 quizzes and 2 internal examinations for B.E., M.E., and MCA courses.

The Principal has explained that the internal examinations for lab sessions will be conducted for 25 marks. These 25 marks are divided into 10 marks for day-to-day academic work and 15 marks for lab internal examinations.

Prof. P. Laxminarayana suggested changing the break-up of marks as 15 marks for day-to-day academic work and 10 marks for lab internal examinations.

Dr. K.S. Ratnakar asked about the performance of students in internal and external examinations. He suggested analyzing the comparative performance of internal and external examinations and find if there are any students who are doing well in external examinations but not so in internal examinations. He suggested finding the reasons and calling for improvement.

Dr. CNV Ramana suggested removing objective type questions for the lab examinations.

The Council approved to conduct 2 assignments, 2 quizzes and 2 internal examinations per semester for UG and PG courses and also approved for the change of the break-up of lab internal marks as suggested by the members to be implemented from 2nd Semester of 2014-15.

Award of Grades:

The Principal proposed the inclusion of SGP and CGP and Award of Letter Grades for B.E., M.E./M.Tech and MCA.

Prof. P. Laxminarayana and Prof. A. Venugopal Reddy have suggested changing the Letter Grades.

Dr. K.S. Ratnakar informed that in most of the academic institutions across the country and abroad, the Letter Grade "B" stands for 50%, wherein VCE proposed Letter Grade "C". He suggested revising the Grades.

The Council unanimously agreed to introduce Grades for as given below:

• 90% and above	: S
• 80 – 89.9	: A+
• 79 – 79.9	: A
• 60 – 69.9	: B+
• 50 – 59.9	: B
• 40 – 49.9	: C
• Below 40	: F

Prof. A. Venugopal Reddy, Prof. P. Laxminarayana and Dr. K.S. Ratnakar have suggested to give letter Grades for the Project Dissertation of M.E/M.Tech and MCA students.

6. Approval of examination remunerations to paper setters, moderation, evaluators, scrutinizers, examination chiefs and other examination works related matter:

Prof. M.S.N. Reddy, Controller of Examinations, gave a presentation on proposed remuneration to various examination works such as paper setters, moderation, evaluators, scrutinizers, examination chiefs, etc., as detailed in **Annexure**.

The Council suggested having uniformity for paper setter's remuneration and hence it is decided to pay Rs.1,500 for paper setter and Rs.1,000 for External Vize.

The Council approved the remunerations as per details furnished in Annexure

7. **Approval of Gold Medals and other merit awards instituted for students:**

Dr. A.S. Sai Prasad, Director – Academic & Examinations Branch, presented the various Gold Medals, Merit Awards instituted by the College for students and sought approval of the Academic Council to continue these awards in future under autonomy.

Dr. K.S. Ratnakar has suggested to examine the feasibility of considering "Speaking Skills" as one of the parameters for awarding "Young Leader Award".

The Council noted the above.

8. **Accreditation status of UG and PG programmes:**

The Principal has informed the members about the status of UG and PG programmes. He informed that the College is getting ready to submit SARs for renewal of NBA Accreditation to UG courses as the current Accreditation of UG courses will come to an end by September, 2015.

The College has also submitted applications for 2 eligible PG Programmes in Engineering and is awaiting the visit of Expert Committee of NBA.

The Council noted and approved.

9. **Technical Fests, College Sports and Annual Day celebrations:**

The Principal has informed the Council that TechFest-2015 was conducted on 07.03.2015 and Annual Day Celebrations will be conducted on 8th & 9th April, 2015.

The Council noted and approved the activities.

10. **Bridge Course for lateral entry students for the academic year 2015-16:**

The Principal has informed the members that at present under University System; the lateral entry students are required to appear for Bridge Course in the subjects ELT Lab and Programming Lab. He sought suggestions of the Council on the Bridge Course for the lateral entry students to be admitted in the academic year 2015-16.

Prof. A. Venugopal Reddy informed that this was discussed in the meetings of Deans and Principals and HoDs of O.U. He also informed that they reviewed the syllabus of the Bridge Course and found that most of the topics i.e., Mathematics and Physics are now covered in the revised curriculum of Polytechnics. However they found a gap in the curriculum of Physics. He suggested discussing more on these issue. Some subjects can be offered for particular branches of Bridge Course.

11. **Other items:**

Prof. A. Venugopal Reddy congratulated the College on conducting the meeting of Academic Council to get ratification/approval for academic activities of the College. He suggested conducting Academic Council Meeting every year before the commencement of academic year, so that the Rules would be approved well in advance.

He also suggested concentrating more on M.E/M.Tech student projects and dissertation. The project work of M.E/M.Tech., students should be published in national/international journals. It can be made mandatory for M.E/M.Tech students to publish their project work in a journal, so that quality of project improves and at the same time the Project Guide and the students will get benefited from the publication.

Dr. K.S. Ratnakar suggested introduction of Spoken Communication and Comprehensive English courses at various levels from 1st to 4th years of B.E. The students should be trained on problem-based learning.

He also felt that the number of courses offered in the 1st year is very large. He suggested the publication of M.E. dissertation in the journals.

He also suggested introducing English Communication and Soft-Skills for PG students.

Prof. P. Laxminarayana has suggested instituting "Best Teacher Award" to encourage the faculty members. He also suggested implementing NSS activities for the students and it was clarified that NSS activities are already being organized by NSS Unit of College.




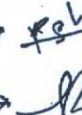





The meeting concluded with a vote of thanks.



(Dr. G.V. Ramana Murthy)
Principal & Chairman

To

The members of Academic Council
Copy submitted to the CEO, VAE
Copy submitted to the Secretary, VCE
Copy to file

- 
- ① HoD - civil → 
 - ② " - mech. → 
 - ③ " - EEE → K. J. D. S.
 - ④ " - ECE → NA
 - ⑤ " - CSE → M. S. S. S. S. 20/5/15
 - ⑥ " - I.T → 
 - ⑦ " - mca → 
 - ⑧ " - maths → 
 - ✓ ⑨ " - Physics →  20/5/15
 - ⑩ " - chemistry → A. P. J.
 - ⑪ " - HBS → 
 - ⑫ library → 

Annexure

Examination remuneration to paper setters and other exam related activities as recommended by the Academic Council of the College.

Guidelines have been formulated in the Academic Council Meeting for remuneration payable to the paper setters, examiners, etc.. as per the details given below:

S No.	Name of the item	Proposed rates (Rs.)
Payable by students for B.E /M.E/MCA courses		
1	Semester End examination fee (for all subjects)	1,500.00
2	Semester End examination fee (upto 3 subjects)	800.00
3	Revaluation fee per subject	500.00
4	M.E/M.Tech -IV Sem Project Viva	3,000.00
5	Medical condonation fee	700.00 per Sem.
6	Autonomous infrastructure fee (payable only at 1 year of the course)	2,000.00
7	Providing the photocopy of the answer script	1,000.00 per paper
Payable by college to Examiners and staff for B.E /M.E/MCA courses		
8	a) Remuneration for setting-up of one question paper (Theory)	1,500.00
	b) Key/Solution preparation per one question paper	500.00
	c) Moderation of question paper per one question paper	500.00
	d) If Key/Solution is not provided by the Question Paper Setter, amount payable for key preparation per one question paper	500.00
9	Theory evaluation per script (main, supplementary and revaluation) per script (per script with a Min. of Rs.100)	20.00
	M.E/M.Tech Project Viva	
	a) External examiner	800.00
	b) HoD	200.00
	c) Chairman, BoS	200.00
	d) Supervisor	200.00
	e) T.A for local Lab Examiners/Valuers per day	200.00
	f) Coding charges per script	1.00
	g) Decoding charges per script	1.00
	h) Scrutinizer charges per script	1.00
	i) Tabulation charges per candidate	8.00
Theory Examinations for B.E /M.E/MCA courses		
10	a) Remuneration to Chief Superintendent per session	150.00
	b) Remuneration to one confidential invigilator and 2 Addl. Invigilators at Control Room in addition to room invigilators irrespective of the strength allotted per session to each member.	125.00
	c) Remuneration to Invigilators per session (@ 1:20 candidates)	125.00
	d) Remuneration to ministerial staff per session (4 Nos. Upto 500 strength) (6 Nos. above 500 strength)	40.00
	e) Remuneration to Scriber per session (@ 1:1 candidate)	200.00
	f) Remuneration to Electrician per session (@ one for centre)	25.00
	g) Remuneration to Plumber per session (@ one for centre)	25.00
	h) Remuneration to Day Watchman & night Watchmen per session	25.00
	i) Remuneration to Class-IV Water Bearers per session (@ 1:50 at exam halls)	25.00
	j) Remuneration (per session) to Class-IV employees at Control Room, towards question paper printing, packing and sealing of the scripts	35.00
	• For above 500 candidates – 3 Class-IV	
	• For below 500 candidates – 2 Class-IV	

Laboratory Examinations for B.E / M.E / MCA courses		
10	a) Remuneration to external and internal examiners (per script with a minimum of Rs.100), including question paper setting & Viva-Voce	15.00
	b) Remuneration to lab assistants (1 for each lab)	4.00 per presentee student (with a minimum of Rs.60)
	c) Remuneration to lab technician/DEO/ Store Keeper (any one is permitted per lab)	3.50 per presentee student (with a minimum of Rs.40)
	d) Remuneration to lab attendant/Kamati/ Peon (any one is permitted per lab)	3.00 per presentee student (with a minimum of Rs.25)
	e) Remuneration to Chief Superintendent per session	150.00
	f) Remuneration to Additional Invigilators per session	75.00
	g) Remuneration to 3 ministerial staff per session	40.00
	h) Remuneration to Peon per session	25.00

For preparation
of timetables &
correspondence
with examiners

VASAVI COLLEGE OF ENGINEERING (Autonomous)

IBRAHIMBAGH, HYDERABAD – 500 031

Minutes of the meeting of the Second Academic Council

held on **13.07.2015** at 11.00 a.m. in the Conference Hall, Vasavi College of Engineering

Members Present:

1	Dr. G.V. Ramana Murty, Principal	:	Chairman
2	Prof. A. Venugopal Reddy, Dean Faculty of Engg., OU	:	Univ. Nominee & Member
3	Prof. P. Laxminarayana, Dept. of Mech. Engg., OU	:	Univ. Nominee & Member
4	Dr. K.S. Ratnakar, Director, GMRF, Hyderabad	:	Educationist & Member
5	Dr. C.N.V. Ramana, General Manager, TCGT, BHEL, Hyd	:	Industry Representative & Member
6	Dr. B. Sridhar, HoD, Civil Engg.	:	Member
7	Dr. T. Adi Lakshmi, HoD, CSE	:	Member
8	Dr. K. Jaya Sankar, HoD, ECE	:	Member
9	Prof. K.V. Ramana Murthy, HoD, EEE	:	Member
10	Dr. N. Vasantha, HoD, I.T	:	Member
11	Dr. G.V. Ramana Murty, HoD, Mech. Engg.	:	Member
12	Dr. P. Hemagiri Rao, HoD, C.A.	:	Member
13	Dr. T. Sudhakara Rao, HoD, Mathematics	:	Member
14	Dr. A.S. Sai Prasad, HoD, Physics	:	Member
15	Sri Ch. Gouri Shankar, HoD, Chemistry	:	Member
16	Dr. E. Sreenivasa Rao, Professor, ECE	:	Member
17	Dr. M. Chakravarthy, Professor, EEE	:	Member
18	Dr. K. Ram Mohan Rao, Assoc. Prof., CSE	:	Member
19	Dr. G. Ramadevudu, Asst. Prof., Physics	:	Member-Secretary

The following members of the Academic Council could not attend the meeting:

1. Prof. V.S.S. Kumar, Department of Civil Engineering, Osmania University
2. Dr. V. Sudhakar, Prof. & Head, Department of Education, EFLU, Hyderabad
3. Sri Ramesh Loganathan, Vice President, Products & Centre Head, Progressive Software, Hyderabad
4. Ms. Jacqueline Amaral, HoD, H & SS, VCE
5. Dr. K. Kishore, Professor, Mech. Engg., VCE

The Chairman of the Academic Council, Dr. G.V. Ramana Murty presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:

1. Confirmation of the minutes of the last meeting of the Academic Council held on 23.03.2015:

The minutes of the last meeting of the Academic Council held on 23.03.2015 were read and confirmed.

2. Consideration and approval of Action Taken Report on the resolutions of MoM dated 23.03.2015:

It was noted that the College has initiated and implemented appropriate measures on the resolutions passed on various items in the previous meeting held on 23.03.2015 as mentioned below:

Item No.	Council approval	Action Taken				
5 (Para 6)	Approved to conduct 2 assignments, 2 quizzes and 2 internal examinations per semester for UG and PG courses and also approved for the change of the break-up of lab internal marks as suggested by the members to be implemented from 2 nd Semester of 2014-15.	BoG in its 12 th meeting held on 30.03.2015, have observed that the internal assignment shall comprise 3 assignments and 3 quizzes as against the recommendation of the Academic Council (2 assignments & 2 quizzes) to ensure continuous evaluation. Accordingly, during the 2 nd semester of 2014-15, the 1 st year students of UG programme have been asked to submit 3 assignments & 3 quizzes for the purpose of internal evaluation for 10 marks and implemented the BoG decision.				
5 (Para 7)	<u>Award of Grades:</u> The Academic Council unanimously agreed to introduce Grades as indicated in the Minutes of the Meeting.	The BoG in its 12 th meeting held on 30.03.2015 observed that the grading system proposed in the Academic Council should be relooked at and a Committee constituted to arrive at appropriate Letter Grade System for both UG and PG programmes. In this connection an Office Order, duly constituting a Committee is issued (Copy of the Order is enclosed). Annexure - 1				
10 (Para 2)	The members of the Academic Council suggested discussing more on the Bridge Course for the lateral entry students to be admitted in the academic year 2015-16. Some subjects can be offered for particular Branches of Bridge Course.	<div>A committee was constituted to relook at the subjects to be offered as part of Bridge Course for the lateral entry students to be admitted during the academic year 2015-16. After due deliberations, the Committee has recommended to conduct Bridge Course as per the details given below:</div> <table><thead><tr><th>Semester-I</th><th>Semester-II</th></tr></thead><tbody><tr><td><ul style="list-style-type: none">• Programming in 'C' Lab• Basic Sciences comprising of Part-A : Mathematics Part-B : Physics• Engineering Mechanics</td><td><ul style="list-style-type: none">• ELT Lab</td></tr></tbody></table> <div>The Committee recommended that the student is required to pass in the final examination and there will not be any internal evaluation. Further bridge course marks will not be considered for award of degree.</div> <div>Details of syllabus will be presented by the respective HoDs during deliberations.</div>	Semester-I	Semester-II	<ul style="list-style-type: none">• Programming in 'C' Lab• Basic Sciences comprising of Part-A : Mathematics Part-B : Physics• Engineering Mechanics	<ul style="list-style-type: none">• ELT Lab
Semester-I	Semester-II					
<ul style="list-style-type: none">• Programming in 'C' Lab• Basic Sciences comprising of Part-A : Mathematics Part-B : Physics• Engineering Mechanics	<ul style="list-style-type: none">• ELT Lab					

The members of Academic Council have considered the above report and approved.

3. Consideration and approval of the resolutions passed in the HoDs meetings on routine academic activities:

3.1 Approval of Minutes of the meetings of the HoDs:

It was noted that meetings with the HoDs are being conducted mostly on 1st Saturday of every month and also as and when required and deliberated upon the routine academic activities such as review of syllabi, conduct of internal examinations, finalization of sessional marks, condonation of attendance for medical cases etc..

The members of Academic Council resolved to approve the decisions taken in the HoDs meetings.

3.2 Ratification of condonation of attendance on medical grounds for students who put in attendance between 65 & 75%.

The members of Academic Council informed that a student shall put in a minimum attendance of 75% eligible to appear for semester examinations. Those students whose attendance is between 65% & 75% should submit a valid medical certificate to get eligibility under medical condonation.

Further the members have gone through the lists of the students of first year B.E, M.E/M.Tech and MCA (I and II semesters) under medical condonation for the academic year 2014-15 as shown in Annexure - 2.

The academic council has resolved to approve the lists as at Annexure - 2

3.2 Medical condonation:

It was noted that, where there were only 13 students of B.E. 1/4 I-Semester who have submitted medical certificates for condonation of 10% of attendance the number has increased to 26 in the second semester.

In order to minimize the misuse of the medical condonation facility by the students, the members of Academic Council have suggested that there shall be a fixed limit on the number of availments of medical condonation.

The council discussed the matter and it was resolved that a student can avail **medical condonation** facility only **4 (four)** times during the entire period of B.E. program spanning over four years in 8 semesters. However student with chronic ailments and disorders requiring medical condonation can be considered on a case to case basis on the submission of valid medical certificate.

4. Revision in the Scheme of Instruction, credits and marks of 1/4 B.E. Course:

After due deliberations, it was felt that the total marks and credits assigned for 1/4 B.E programme (all branches) needs review. These are contributing more than one third of all four years put together in the present system. To safeguard the student's interest, it is proposed to scale down the total marks and credits. Instead of having 1055 marks and 30 credits in each semester of 1/4 B.E it is now proposed to have 775 marks and 24 credits in each semester.

In order to have correlation between credits and contact hours Prof. A. Venugopal Reddy and Prof. P. Laxminarayana suggested that the duration of a class may be scheduled for one hour instead of 50 minutes.

The council also suggested that change in marks and credits at this stage may cause difficulty in further conduct of examinations and awarding grades. The Controller Examination was advised to take care to overcome these difficulties.

The Academic council has approved the proposal of revising to 775 marks and 24 credits in each semester of 1/4 B.E instead of 1055 marks and 30 credits with effect from 2015-16 academic year.

5. Revision of syllabus of Mathematics-I of 1/4 B.E. I-Semester Course:

The Head, Department of Mathematics, while presenting, explained to the members about the revision in the prescribed syllabus for Mathematics-I during the 1st Semester of 1/4 B.E for the academic year 2014-15. He further informed that the revision is to an extent of 15% of the existing syllabus and BoS has approved the proposal. The revised syllabus will be in force from the academic year 2015-16.

The members of the Academic Council have suggested limiting the revision of syllabi once in two years or more to avoid administrative difficulties.

Dr.CNV Ramana suggested that significant mathematical foundation is needed to understand core engineering subjects.

The Academic council has approved the proposal and revised syllabus for Mathematics - I w.e.f the academic year 2015-16.

6. Revision of Syllabus of Basic Electrical Engineering (BEE) of B.E. 1/4 II-Semester Course:

The Head, Department of Electrical & Electronics Engineering, explained to the members about the revision in the existing syllabus for BEE in II semester of 1/4 B.E the academic year 2014-15 and indicated that BOS approval has been taken for the revision to be implemented from 2015-16.

The Academic Council has resolved to approve the revised syllabus to be introduced with effect from the academic year 2015-16 for B.E. 1/4 (EEE) II-Semester Course.

7. Revision of syllabi of workshops of IT, CSE for the II-Semester of 1/4 B.E. Courses:

- The Head, Department of Information Technology informed about the changes brought out in the existing IT Workshop syllabus.
- The Head, Department of Computer Science & Engineering has informed that PHP and Matlab have been added to the existing Workshop syllabus; and

The members of Academic Council have noted the above changes proposed by the respective Heads of Departments after obtaining the approval of respective BoS.

The Academic Council has resolved to approve the revised syllabi of workshops of IT and CSE to be introduced with effect from the academic year 2015-16 for B.E. 1/4 II-Semester of the said Courses.

8. Introduction of course/subject on "Human Values and Professional Ethics:

It was noted that the College has proposed to introduce one credit course on "**Human Values and Professional Ethics**" in 2nd year B.E. The course will be offered to Civil, CSE (two sections), IT(two sections) in I-Semester and EEE, Mechanical (two sections) and ECE(two sections) in the II-Semester. The course comes under Board of studies of H&SS. The marks/credits obtained by the student will be considered while computing SGPA/CGPA. The lecture periods for this course is 16 for the entire semester.

Dr. K. Ratnakar suggested that the syllabus of this course should be appropriately framed by including the topics on character building, transactional analysis, emotional intelligence etc. The course objects and outcomes mentioned should also be relooked at.

The Academic Council has resolved to approve the introduction of Human Values and Professional Ethics in 1st & 2nd semester of B.E. 2nd year course as indicated above with suggested modifications with effect from AY 2015-16

9. Introduction of Finishing School:

As part of enhancing communications skills and domain knowledge of the students, the College has proposed to include 2 credits course namely "Finishing School" in the curriculum from 2nd year B.E onwards. The course comes under Board of studies of H&SS. The marks/credits obtained by the student will be considered while computing SGPA/CGPA.

Dr. CNV Ramana and Dr. K. Ratnakar suggested that the implementation must be effective. The number of course objectives and outcomes must be relooked.

The Academic Council has resolved to approve the above proposal to introduce "Finishing School" course with modifications as suggested, with effect from AY 2015-16

10. Approval of new curriculum of 2/4 B.E. I & II-Semesters under autonomy as finalized by respective Boards of Studies:

10.1 2/4 B.E. (Civil) I & II-Semesters

The HoD, Civil Engineering has made brief presentation on the new curriculum to be introduced under autonomy for B.E. 2/4 I & II-Semesters from the academic year 2015-16 before the members of Academic Council. The scheme of instruction and examination along with the courses to be offered in B.E. 2/4 I & II-Semesters wise also presented. He elaborated the changes made in the syllabi in both the semesters.

The Academic Council resolved to approve the Scheme of Examination & evaluation of B.E. 2/4 I & II-Semesters and the syllabi (theory and laboratories) from the academic year 2015-16 for the Department of Civil Engineering as proposed.

10.2 2/4 B.E. (CSE) I & II-Semesters

The HoD, CSE has made brief presentation on the new curriculum to be introduced under autonomy for B.E. 2/4 I & II-Semesters from the academic year 2015-16 before the members of Council. The scheme of instruction and examination along with the courses to be offered in B.E. 2/4 I & II-Semesters was also presented.

Prof. A. Venugopal Reddy suggested few revisions to the scheme approved by BOS. He suggested changes in the course offered in I and II semesters. HOD/ CSE was advised to revise accordingly.

The Academic Council resolved to approve the Scheme of Examination & evaluation of B.E. 2/4 I & II-Semesters and the syllabi (theory and laboratories) for the Department of CSE with the modifications as proposed/suggested.

10.3 2/4 B.E. (ECE) I & II-Semesters

The HoD of ECE has made brief presentation on the new curriculum to be introduced under autonomy for B.E. 2/4 I & II-Semesters from the academic year 2015-16 before the members of Council. HoD elaborated the scheme of instruction and examination along with the courses to be offered in B.E. 2/4 I & II-Semesters..

The Academic Council resolved to approve the Scheme of Examination & evaluation of B.E. 2/4 I & II-Semesters and the syllabi (theory and laboratories) for the Department of ECE as finalized by the BOS.

10.4 2/4 B.E. (EEE) I & II-Semesters

The HoD, EEE gave a brief presentation on the new curriculum to be introduced under autonomy for B.E. 2/4 I & II-Semesters from the academic year 2015-16. He also proposed the scheme of instruction & examination and the changes made in the syllabi in both the semesters.

Prof. A. Venugopal Reddy and Prof. P. Laxminarayana suggested that Mathematics-III should be common to all branches instead of having separate content only for EEE. The topic on Z-transform techniques can be removed from the content and it can be introduced in the relevant subject of EEE (DSP). However, HOD/EEE gave justification for separately syllabus for mathematics-III to be offered to EEE students.

The Academic Council resolved to approve the Scheme of Examination & evaluation of B.E. 2/4 I & II-Semesters and the syllabi (theory and laboratories) for the Department of EEE.

10.5 2/4 B.E. (IT) I & II-Semesters

The HoD, IT made a brief presentation on the scheme of instruction & examination and new curriculum to be introduced under autonomy for B.E. 2/4 I & II-Semesters from the academic year 2015-16.

Prof. A. Venugopal Reddy observed that the number courses offered in each semester needs review and the BOS approved scheme of instruction needs revision. Course like Software engineering can be shifted to third year. In place of mini project/simulation lab only mini project can be offered.

Prof P. Laxminarayana suggested having the same credits and marks for a given common subject which is offered across the branches.

HOD/IT agreed with the suggestions of the members and informed that the suggestions will be implemented in the scheme of instruction before the commencement of the class work.

The Academic Council resolved to approve the Scheme of Examination & evaluation of B.E. 2/4 I & II-Semesters and the syllabi (theory and laboratories) for the Department of IT with the above modifications/changes.

10.6 **2/4 B.E. (Mech) I & II-Semesters**

The HoD of Mech has made brief presentation on the scheme of instruction and examination for the new curriculum to be introduced under autonomy for B.E. 2/4 I & II-Semesters as finalized by the BOS from the academic year 2015-16. HoD elaborated the changes made in the new curriculum in both the semesters.

The Academic Council resolved to approve the Scheme of Examination & evaluation of B.E. 2/4 I & II-Semesters and the syllabi (theory and laboratories) for the Department of Mechanical Engineering as finalized by the BOS.

10.7 **2/4 B.E. mathematics-III**

HOD/Maths presented the new syllabus of Mathematics-III as approved by the BOS to be implemented for 2/4 B.E from the AY 2015-16.

The Academic Council resolved to approve mathematics-III course syllabus for B.E. 2/4 as finalized by the BOS

11. **The Head, Department of Computer Applications** has made brief presentation on the new curriculum of 2/3 MCA under autonomy, which was approved by BoS.

The Academic Council has resolved to approve the new curriculum of 2/3 MCA.

Prof. A. Venugopal Reddy and Prof. P. Laxminarayana suggested renaming the courses offered by department to other departments as "interdisciplinary courses" instead of naming as "service courses". Each department can identify some of its electives as open electives so that students of other branches can opt for study. This helps to move towards Choices Based Credit System (CBCS)

12. **Bridge Course for lateral entry students for the academic year 2015-16:**

The Chairman, Academic Council, has informed the members that to comply with the BoG resolution on Bridge Course subjects offered to Lateral entry students, a Committee was constituted to identify the subjects to be offered as bridge course subjects to the students of 2/4 B.E in addition to regular 2/4 B.E subjects and recommended to conducted the following subjects:

- **In the I-Semester:**

- i) Basic Sciences: Part-A – Physics of Materials; Part-B – Mathematics
- ii) Engineering Mechanics
- iii) Programming in 'C' Lab

- **In the II-Semester:**

- i) ELT Lab

Upon request made by the Chairman, the HoDs concerned have made a detailed PowerPoint Presentation on syllabi.

After due consideration it was resolved that only end semester examinations for 50 marks should be conducted and these marks shall not be added while computing the final SGPA/CGPA.

13. Consideration of the results of I-Semester B.E. Examinations:

It was noted that following are the results of I-Semester B.E. Examinations:

Branch	No. of Candidates Registered	No. Passed	Percentage
Civil	60	44	73.33
CSE	119	101	84.87
ECE	120	104	86.66
EEE	59	44	74.57
Mechanical	120	78	65.00
IT	119	85	71.42
Total	597	456	76.38

14. Consideration of the results of I-Semester M.E./M.Tech regular and make-up examinations:

It was noted that following are the results of I-Semester M.E./M.Tech regular and make-up Examinations:

Sl. No.	Name of the Course/ Specialization	No. of Candidates Registered	Distinction	No. Passed and Percentage	
				First Class	Second Class
1	ME- ECE (ES & VLSID)	18	--	14	1
2	ME- ECE (CE & SP)	16	4	9	--
3	ME - MECH (ADM)	16	4	8	1
4	ME - EEE (PS&PE)	18	--	16	--
5	M.TECH – CSE	18	7	11	--

15. Consideration of the results of I-Semester MCA Examinations:

It was noted that following are the results of I-Semester MCA Examinations:

S No.	Branch	No. of Candidates Registered	No. Passed	Percentage
1	MCA	32	18	56.25

16. Accreditation status of UG and PG Programmes:

The Chairman, Academic Council has informed the members that the College will be submitting Self Assessment Reports in the new format (Tier-II) for six UG Programmes and two new eligible PG eligible Programmes to the NBA for accreditation during September, 2015.

He further informed the members that the College has already submitted its applications for accreditations to the NBA for 2 PG Programmes to the NBA. Inspection is awaited.

17. Academic achievement of faculty members (Qualification upgradation):

It was noted that the following faculty members have upgraded their qualifications:

S.No	Name of Faculty member	Department	Qualification Up-gradation
1	Dr. B. Narender	Civil	Ph.D
2	Dr. R. Bhawana	IT	Ph.D
3	Dr. P.V.Gopala Krishna	Mech	Ph.D
4	Mr. T. Balaji	CSE	M.Tech
5	Mr. V. Krishna Mohan	ECE	M.Tech

The members of Academic Council congratulated the above staff for their achievement.

18. Reimbursement of course fee/thesis work charges to the faculty members pursuing M.Tech/Ph.D under TEQIP-II:

It was noted that the College has prepared a list of faculty members who are pursuing higher studies and are eligible for reimbursement of course fee (limited to Rs.5000/- for M.Tech and Rs.10,000/- for Ph.D) and sundry expenses towards thesis printing leading to the award of degree

The members, Academic Council appreciated the above initiative taken by the College and resolved to approve the proposal.

19. College ranking by various survey agencies for the year 2015-16:

It was noted that based on the survey conducted by various agencies, the College has been awarded the rank as mentioned against each surveying agency:

Agency	Type	College Rank
Times Engineering Colleges Survey 2015	Top 50 Private Engineering Colleges in India	31
THE WEEK	Top 100 Engineering Institutes including IITs and Universities in India	68
EDU- RAND	Best Engineering Colleges in India	98

20 Other items:

a) Criteria for Best Academic Awards and Gold medals:

It was noted that the college has decided to give away academic awards and gold medals based on the academic performance of the students who secured highest marks in the first attempt in the preceding academic year and gold medals will be awarded based on the highest marks secured in the semester examinations from 1st year to final year and passed in the first attempt even under autonomous status.

There is a possibility that the same SGPA score may be obtained by more than one student and in such case it will not be possible to identify the merit. Hence it has been decided to use marks scored by the student as the basis. It is also recommended that semester grade card contains the total marks secured in that semester along with SGPA.

After due deliberations, the Academic Council resolved to approve the above proposal.

The meeting concluded with a vote of thanks.



(Dr. G.V. Ramana Murthy)

Principal & Chairman

VASAVI COLLEGE OF ENGINEERING (Autonomous)
IBRAHIMBAGH, HYDERABAD – 500 031

Minutes of the meeting of the 3rd Academic Council of the College
held on 18.06.2016 (Saturday) at 11.00 a.m. in the Conference Hall, Visvesvaraya Bliock,
Vasavi College of Engineering

Members Present:

1	Dr. K. Jaya Sankar, Principal	:	Chairman
2	Prof. M. Kumar, Department of Civil Engg., Osmania University	:	Univ. Nominee & Member-
3	Prof. G. Yesu Ratnam, Dept. of EEE, Osmania University	:	Univ. Nominee & Member
4	Prof. P. Ushasree, Dept. of Mech. Engg., Osmania University	:	Univ. Nominee & Member
5	Dr. K.S. Ratnakar, Director, GMRF, Hyderabad	:	Educationist & Member
6	Dr. V. Sudhakar, Prof. & Head, Department of Education, EFLU, Hyderabad	:	Educationist & Member
7	Sri Ramesh Loganathan, Vice President, Products & Centre Head, Progressive Software, Hyderabad	:	Industry Representative & Member
8	Dr. C.N.V. Ramana, General Manager, TCGT, BHEL, Hyd	:	Industry Representative & Member
9	Dr. B. Sridhar, HoD, Civil Engg.	:	Member
10	Dr. T. Adi Lakshmi, HoD, CSE	:	Member
11	Dr. K. Jaya Sankar, HoD, ECE	:	Member
12	Prof. K.V. Ramana Murthy, HoD, EEE	:	Member
13	Ms. S. Aruna, HoD (I/c.), I.T., VCE	:	Member
14	Dr. G.V. Ramana Murty, HoD, Mech. Engg.	:	Member
15	Dr. P. Hemagiri Rao, HoD, C.A.	:	Member
16	Dr. T. Sudhakara Rao, HoD, Mathematics	:	Member
17	Dr. A.S. Sai Prasad, HoD, Physics	:	Member
18	Sri Ch. Gouri Shankar, HoD, Chemistry	:	Member
19	Ms. Jacqueline Amaral, HoD, H & SS	:	Member
20	Dr. K. Kishore, Professor, Mech. Engg.,	:	Member
21	Dr. E. Sreenivasa Rao, Professor, ECE	:	Member
22	Dr. M. Chakravarthy, Professor, EEE	:	Member
23	Dr. K. Ram Mohan Rao, Assoc. Prof., CSE	:	Member
24	Dr. G. Ramadevudu, Asst. Prof., Physics	:	Member-Secretary

The following member of the Academic Council could not attend the meeting:

>	Sri Ramesh Loganathan, Vice President, Products & Centre Head, Progressive Software, Hyderabad	:	Industry Representative & Member
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The Chairman of the Academic Council, Dr. K. Jaya Sankar presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:

1. **Introduction of new members:**

It was noted that the Osmania University, vide its letter No. 396/H/2015-16/Acad.IV-1, dated 30th May, 2016, has nominated the following as members on the College Academic Council:

- Prof. M. Kumar, Department of Civil Engineering, UCE
- Prof. G. Yesu Ratnam, Dept. of Electrical & Electronics Engineering, UCE
- Prof. P. Ushasree, Dept. of Mechanical Engineering, UCE

The Chairman introduced the above professors nominated by Osmania University as members on the Academic Council of the College, gave their brief profile and informed that they will be the members of the Academic Council of the College for two years.

2. **Confirmation of the minutes of the 2nd Academic Council held on 13.07.2015:**

The minutes of the 2nd Academic Council meeting held on 13.07.2015 were read and confirmed.

3. **Action Taken Report on the resolutions of MOM dated 13.07.2015:**

Item No.	Council approval/ Recommendation	Action Taken
3.2	Medical condonation	<p>As advised by the Academic Council and after approval accorded by the BoG during the meeting held on 28th July, 2015 (13th BoG), a Committee was constituted to frame rules & regulations for any student with chronic ailments and disorders requiring medical condonation facility. The Committee has recommended as follows:</p> <ul style="list-style-type: none">• The <i>required attendance percentage of a student</i> to be eligible to appear for semester examination even on chronic medical grounds shall be 65% only.• There is no need to separately consider the cases of students, with chronic ailments and disorders on case to case basis. They shall be subject to the same rule as applicable to those who apply for regular medical condonation, as the principle behind 65% is that if a student has not attended even 65% of the classes, then he/she is not adequately prepared to appear for the examination. <p>The BoG, in its meeting held on 21.11.2015 (14th BoG), has approved the above recommendations.</p>

Item No.	Council approval/ Recommendation	Action Taken
4	Revision of class duration from 50 minutes to one hour	It is proposed to enhance the duration of the class from 50 minutes to one hour under CBCS system to be implemented w.e.f. the academic year 2016-17.
11	Renaming service courses as interdisciplinary courses	As suggested, the Service Courses are being renamed as "Interdisciplinary Courses".

Academic noted the action taken report.

4. Resolutions taken in HoDs meetings on routine academic matters:

The Chairman informed the members that HoDs meetings are conducted once in a month (mostly on every 1st Saturday) and also as and when required to discuss and finalize on the routine academic activities.

Ratification of final attendance reports of B.E. 1st year to 4th year II-Semester courses:

It is noted that during the HoDs meeting held on 29.04.2016, decision has been taken to give medical condonation or to detain the students from 1st year to 4th year B.E. II-Semester due to shortage of attendance.

The summary pertaining to student medical condonations is given below:

S.No	Branch/Section	No. of students							
		I year B.E		2 nd year B.E		3 rd year B.E		4 th year B.E	
		MC	Detained	MC	Detained	MC	Detained	MC	Detained
1	CIVIL	01	-	01	01	03	-	05	-
2	EEE	05	-	02	-	06	-	33	-
3	ECE-A	-	-	01	01	03	-	10	-
4	ECE-B	-	-	05	01	06	-	10	-
5	I.T-A	-	-	02	01	01	-	14	-
6	I.T-B	-	-	05	-	05	-	13	-
7	MECH-A	02	-	04	-	04	-	10	-
8	MECH-B	03	-	05	01	07	-	26	-
9	CSE-A	-	01	01	-	-	-	-	-
10	CSE-B	-	-	01	01	01	-	02	-
Total		11	01	27	06	36	NIL	123	NIL

Following is the list of 1/4 B.E. and 2/4 B.E. II-Semester students (under Autonomy):

**LIST OF ELIGIBLE CANDIDATES FOR MEDICAL CONDONATION IN
B.E. 1/4 & 2/4 II-SEMESTER COURSE (All Branches) FOR THE YEAR 2015-2016**

Sl. No.	H.T. No.	Name of the student	Branch	Aggregate percentage of attendance secured
BE 1/4 –II Semester course:				
1.	1602-15-734-024	MOHD NAWAZUDDIN	EEE	68
2.	1602-15-734-027	NAGAJAPAL NAYAK NUNAVATH	EEE	70
3.	1602-15-734-048	SUDHARMA K.	EEE	68
4.	1602-14-734-016	JAVID BAPANNAPALLI	EEE	65
5.	1602-14-734-059	KASHI VISWANATH SINGH	EEE	68
6.	1602-15-736-006	DHEERAJ BOLAMALA	MECH-A	71
7.	1602-14-736-014	T.HARSHA	MECH-A	72
8.	1602-15-736-075	JYOTHI GADDALA	MECH-B	72
9.	1602-15-736-096	RAJESWARI DURISSETTI	MECH-B	70
10.	1602-15-736-100	SAATHVIK KATHURI	MECH-B	71
11.	1602-15-732-040	SATVIK S.	CIVIL	67
BE 2/4 –II Semester course:				
12.	1602-14-733-015	GOVIND GUGULOTH	CSE-A	70
13.	1602-14-733-321	MOHSIN KHAN	CSE-B	69
14.	1602-14-735-031	PRUDHVI PRASANTH. K	ECE-A	67
15.	1602-14-735-077	LAYEEQ KHAN BUSHRA	ECE-B	67
16.	1602-14-735-091	PRANCTII SANDELA	ECE B	70
17.	1602-14-735-094	RAHUL KUMAR G	ECE-B	68
18.	1602-14-735-108	SMITHA GAJJELLI	ECE-B	69
19.	1602-14-735-116	VENNELA CHINTAKUNTA	ECE-B	72
20.	1602-14-734-060	YASHWANTH REDDY.N	EEE	69
21.	1602-14-734-306	RADARAPU RAVALIKA	EEE	69
22.	1602-14-736-008	ASHISH Y.V.	MECH-A	65
23.	1602-14-736-049	SOWMYA SADU	MECH-A	74
24.	1602-14-736-309	PARUCHURI BHAVANA SRI	MECH-A	71
25.	1602-14-736-310	SAPAVAT ARUN NAYAK	MECH-A	69
26.	1602-14-736-090	PUNITH REDDY B.V.R.	MECH-B	65
27.	1602-14-736-101	SATYA ANVESH B	MECH-B	65
28.	1602-14-736-114	VAMSHI KRISHNA M.	MECH-B	66
29.	1602-14-736-119	VISHNU SAIKETH CH.	MECH-B	68
30.	1602-13-736-321	KINDIDODDY AGASTIN	MECH-B	65
31.	1602-14-732-045	SANJEEVA BANOTH	CIVIL	66
32.	1602-14-737-008	GAJENDHAR MATTA	IT-A	72
33.	1602-14-737-045	SHIVA SATWIK KATTA	IT-A	71
34.	1602-14-737-066	AKHIL KRISHNA SHEELAM	IT-B	66
35.	1602-14-737-091	PARVINDER SINGH S	IT-B	66
36.	1602-14-737-112	SURESH NAYAK RAMAVATH	IT-B	66
37.	1602-14-737-315	M. J.C PRASAD	IT-B	70
38.	1602-14-737-319	SARAF NIHAR	IT-B	71

The following are the observations and suggestions made by the members:

- Prof. M. Kumar, Member, Academic Council suggested to present only the summary of the medical condonations and detained students and there is no need to give the list of individual students.

Prof. V. Sudhakar and Prof. Kumar, observed that the number of students seeking medical condonation has increased from 1st year to 4th year and hence appropriate measures are to be taken to reduce this number at 4th year level.

- Dr. K.S. Ratnakar, Member, Academic Council, suggested to constitute a Medical Board, if necessary, to examine students suffering from chronic ailments. This is necessary for taking a decision on allowing the students to appear for examinations, as they may be suffering with contagious diseases, which in turn may spread to the other students writing examinations.

5. **The scheme of instruction and curriculum of 3/4 B.E- 1st & 2nd Semesters (AY 2016-17) under autonomy finalized by respective BoS:**

Upon request made by the Chairman, ACM, the HoDs of Civil; CSE; EEE; ECE; I.T and Mech. have made presentations before the Academic Council on the new Scheme of Instruction, Examination and Curriculum of 3/4 B.E. I & II-Semesters for the academic year 2016-17 under Autonomy, as finalized by the respective Boards of Studies, for approval of the Academic Council.

Following are the presentations made by the HoDs of respective Departments:

- Department of Civil Engineering:
HoD-Civil has made a presentation on the Scheme of Instruction, Examination and Syllabi of 3/4 B.E., (1st & 2nd Semesters) before the members. He also presented the revisions in the curriculum under autonomy comparing with the Osmania University Curricula.

Prof. M. Kumar said that the Department of Civil Engineering, had made rigorous exercise on arriving this curriculum in the BoS as he is also a member of BoS-Civil, VCE.

- Department of Computer Science & Engineering:
HoD-CSE has made a presentation on the Scheme of Instruction, Examination and Syllabi of 3/4 B.E., (1st & 2nd Semesters) before the members. She informed that the "Soft Skills" under Finishing School curriculum introduced in 3/4 B.E. is common to all the Departments, whereas the "Technical Skills" curriculum will vary across the Departments.

iii) Electrical & Electronics Engineering:

HoD-EEE has made a presentation on the Scheme of Instruction, Examination and Syllabi of 3/4 B.E., (1st & 2nd Semesters) before the members. He informed the Academic Council that, under autonomy, the Department of EEE has introduced a mini project in the II-Semester of 3/4 B.E.

Prof. G. Yesu Ratnam, Member-Academic Council and O.U. Nominee suggested that the topic "Load Flow Studies", should be retained in "Power Systems Operation Control Course" instead of shifting to Power Systems-II Course. The HoD-EEE informed that, for easy understanding of Power Systems Operation Control Course, basics of load flow studies are pre-requisite and hence BoS suggested making the change.

iv) Electronics & Communication Engineering:

HoD-ECE has made a presentation on the Scheme of Instruction, Examination and Syllabi of 3/4 B.E., (1st & 2nd Semesters) before the members. The HoD-ECE informed that the Department has newly introduced the "Networking Lab" in 3/4 B.E. under autonomy. He also proposed to introduce a mini project in 3/4 B.E. II-Semester as it was not included in the Department BoS meeting.

v) Information Technology:

HoD-IT has made a presentation on the Scheme of Instruction, Examination and Syllabi of 3/4 B.E., (1st & 2nd Semesters) before the members. The HoD-IT informed that the Department has newly introduced the "Networking with JAVA Lab" in 3/4 B.E. under autonomy.

vi) Mechanical Engineering:

HoD-Mech. has made a presentation on the Scheme of Instruction, Examination and Syllabi of 3/4 B.E., (1st & 2nd Semesters) before the members. The HoD-Mech. informed that the Department has newly introduced the "Mechanical Vibrations" Theory Course and "Dynamics of Machines Lab" in 3/4 B.E. under autonomy.

The HoD informed that, under Finishing School, technical skills "Python" will be offered to the students for better placements.

Dr. P. Ushasree, Member-Academic Council & O.U. Nominee, suggested to look into an appropriate course to offer under Finishing School which is more useful to mechanical students rather than "Python".

After due deliberations and also after having gone through the minutes of respective Boards of Studies, it was resolved to recommend to the BoG for approval of the Scheme of Instruction, Examination and curricula (both Theory and Practicals) for all the above branches of 3/4 B.E- 1st & 2nd with effect from the academic year 2016-17 (under autonomy).

6. **Revision in the Scheme of instruction of 2/4 B.E program (AY 2016-17):**

The Chairman informed the members that it was proposed to make few changes in the Scheme of Instruction of 2/4 B.E. Programme to make equal workload distribution across the Departments and faculty members:

All the departments viz., Civil, CSE, ECE, EEE, I.T and Mech. have introduced "Communication Skills-I & Communication Skills-II" under "Finishing School" in 1st & 2nd Semesters respectively in the place of "Finishing School Soft Skills & Technical Skills"

- The Department of ECE shifted the subject EM Theory from 2nd Semester of 2/4 B.E. to 2/4 B.E. 1st Semester.
- The Department of ECE shifted the subject Elements of Mechanical Engineering from 1st Semester of 2/4 B.E. to 2/4 B.E. 2nd Semester.

These changes are approved by the BoS-ECE.

- The Department of Mechanical Engineering renamed the subject "Fluid Dynamics" offered at 2/4 B.E. 2nd Semester as "Mechanics of Fluids" and shifted to 2/4 B.E. 1st Semester.

These changes are approved by the BoS-Mech.

It is further decided to offer the following courses in the even & odd semesters of B.E. as detailed below:

Course/Subject	Subject to be offered in	
	Odd Semester	Even Semester
Environmental Studies (ES)	ECE	Civil
	Mech.	EEE
		CSE
		I.T.
Human Values & Professional Ethics (HVPE)	Civil	EEE
	CSE	ECE
	I.T.	Mech.
Managerial Economics & Accountancy (MEA)	Civil	EEE
	CSE	ECE
	Mech.	I.T.

The Academic Council agreed the above proposals to implement with effect from the academic year 2016-17.

7. **Revision in the syllabi of Finishing School course offered in 1st & 2nd semesters of 2/4 B.E program (AY 2016-17):**

It was noted that in the earlier Scheme of Instruction, the Finishing School was offered as "Soft Skills" & "Technical Skills" with one credit each, and it is now proposed to conduct Finishing School for 2/4 B.E. students as "Communication Skills-I & II" for Semesters-I & II respectively with two credits each. A copy of proposed syllabus has been circulated among the members.

It is proposed to conduct examination for Finishing School across the Departments uniformly with 70 marks in semester examinations and 30 marks in sessionals. Prof. V. Sudhakar, suggested that the subjects like Communication Skills may not be a part of core subjects but can be offered as "add-on" courses. He also suggested to evolve a method to integrate these subjects in regular classroom teaching of core subjects. He further suggested that, while teaching core subjects, teachers may be advised to give history and philosophy of the subjects for better appreciation of the subject.

The Academic Council agreed the above changes in the syllabi of Finishing School course proposed to be offered to the students of 2/4 B.E. 1st & 2nd semesters with effect from the academic year 2016-17.

8. Revision in Human Values and Professional Ethics (HVPE) course/subject to 2/4 B.E (AY 2016-17) &

The HoD-H & SS circulated the revised syllabus of HVPE course to the members of Academic Council for suggestions.

Prof. K.S. Ratnakar suggested to make arrangements to run the course smoothly, as the course is taught by external experts.

The Academic Council accepted the revised syllabus of HVPE course with effect from the academic year 2016-17.

9. Introduction of Human Values and Professional Ethics (HVPE) course/subject to 3/4 B.E (AY 2016-17):

The HoD-H & SS circulated the syllabus of HVPE course to be offered at 3/4 B.E. level from the academic year 2016-17 to the members of Academic Council.

It is proposed to conduct HVPE examination across the Departments uniformly with 70 marks in semester examinations and 30 marks in sessionals.

The Academic Council accepted the introduction of HVPE course in 3rd year and also the proposed syllabus and scheme of examination with effect from the academic year 2016-17.

10. PG program in Engineering – Pre-submission and award of Grades to M.E./M.Tech Project/Dissertation under Autonomy:

The Member-Secretary informed the members that, to strengthen the evaluation process of M.E & M.Tech projects/dissertations, the College has proposed to constitute a Viva-Voce Committees for pre-submission of project and final Viva-Voce. The College has also formulated the Grading System for M.E & M.Tech projects/dissertation under autonomy. The details are as follows:

a) Viva-Voce Committees:

M.E./M.Tech students of fourth semester will take-up a project and submit a report/dissertation. For assessment and evaluation of the project, (i) Pre-submission Viva Voce Committee and (ii) Final Viva-Voce Committees are to be constituted.

Composition of Pre-submission/Final Viva Voce Committee:

HoD/Chairperson-BoS : Chairman

External Subject Expert : Member

Project Supervisor : Member

An External Subject Expert can conduct Viva-Voce Examination for a maximum of six students in a day.

The Final Viva-Voce Committee will submit its recommendations to the Controller of Examinations.

It is also proposed to pay remuneration to the External Subject Experts @ Rs.500 per candidate, subject to a minimum of Rs.2,000 per day for conducting the pre-submission Viva-Voce.

It is also proposed to charge a fee of Rs.500 from the students for the issue of consolidated Grade Report, Provisional Certificate and Migration Certificate.

b) Grading to M.E./M.Tech/MCA Project/Dissertation:

Extension of Grading System to M.E./M.Tech/MCA project dissertations in line with the Grading System being implemented for Theory and Practicals for the M.E./M.Tech/MCA programmes. The approved Grading System being implemented is furnished below:

Academic Performance (%)	Letter Grade		Grade Points
90 to 100	A+	Outstanding	10
80 to 89.99	A	Excellent	09
70 to 79.99	B+	Very Good	08
60 to 69.99	B	Good	07
50 to 59.99	C	Average	06
40 to 49.99	D	Pass	05
Below 40 (Theory)	F	Fail	0
Below 50 (Practical)	F	Fail	0
Below 50 (Theory and Practical) - for M.E./M.Tech.	F	Fail	0

- c) It is proposed to consider the submission of dissertation in two phases i.e., Phase-I & Phase-II (late submission) with a gap of four months for the students who joined the college with effect from the academic year 2014-15.

Prof. M. Kumar suggested to invite the same external experts for Pre-viva-voce and final Viva-Voce examination to ensure proper evaluation.

Prof. V. Sudhakar suggested that the teacher should think in terms of grading but not in terms of marks while performing evaluation & assessment of both UG & PG Programmes.

After due deliberations, the Academic Council has agreed for the above proposals, including constitution of (i) Pre-submission Viva-Voce Committee and (ii) Final Viva-Voce Committee.

11. Approval of new curriculum of 3/3 MCA under autonomy finalized by its BoS (AY 2016-17):

Upon request made by the Principal, the Head, Department of Computer Applications has made presentation on the new Scheme of Instruction, Examination and Curriculum of 3/3 MCA I & II-Semesters for the academic year 2016-17 under Autonomy, as finalized by the BoS.

The members felt that the total credits offered at 3/3 MCA level are on lower side in the proposed scheme approved by the BoS.

Hence, the Academic Council recommended to make the following changes in awarding credits:

- For the theory subject : from 3 to 4 credits
- For Laboratory : from 2 to 3; and
- For certification courses : from 1 to 2.

The HoD informed the members that the above recommendations will be implemented from the academic year 2016-17.

12. Revision in the Scheme of instruction of 1/3 MCA and 2/3 MCA:

The HoD-CA has proposed the following recommendations of BoS-MCA on revision of the Scheme of Instruction of MCA 1/3 & 2/3:

The changes in the Semester & Sessional Exam. marks of the following subjects are given below:

Subject	Existing marks		Proposed marks	
	Sem. Exam	Sessionals Exam.	Sem. Exam	Sessionals Exam.
Communicative English – I (HS 5010) MCA I Year I-Semester	70	30	35	15
Communicative English – II (HS 5510) MCA I Year II-Semester	70	30	35	15

- The following are the proposed changes in the classes and credits:

Subject	Existing periods per week	Proposed periods per week	Change in No. of credits	
			From	To
Computer Programming and Problem Solving Lab (CA 5321) MCA I Year I-Semester	9	6	3	2
Elements of Information Technology Lab (CA 5331) MCA I Year I-Semester	3	6	3	2

After due deliberations, the Academic Council has agreed for the above changes/proposals.

13. Accreditation status of UG programs:

The Chairman informed the members that, as the Accreditation for all 6 UG Programmes came to an end in the month of September, 2015, the college has uploaded the SARs (Tier-II) pertaining to 6 UG Programmes in the NBA web portal on 10th June, 2016 for renewal of Accreditation.

The Academic Council has noted the accreditation status of UG programmes.

14. Accreditation status of PG programs:

It was noted that the College has given five slots @ 3 days/slot (Friday, Saturday & Sunday) to the NBA by requesting them to send team of experts for inspection for 2 eligible PG Programmes for accreditation in any slot commencing from 1st week of September, 2016.

The Academic Council has noted the accreditation status of PG programmes.

15. College Ranking by various survey agencies for the year 2016-17:

The Academic Council has noted that,

- the College has been awarded the 77th rank among the top 100 engineering colleges in India, as per the survey conducted by the Magazine – Career 360⁰.
- the College has been awarded the 114th rank among the top 150 engineering colleges in India, as per the survey conducted by i3RC Times Engineering-2016⁰.
- the College has been awarded the 64th rank among the top 75 private engineering colleges in India, as per the survey conducted by i3RC Times Engineering-2016⁰.

The members have appreciated the management and staff for their efforts made towards achieving these notable ranks.

16. Implementation of CBCS system with effect from the Academic Year 2016-17:

The Chairman informed the members that it is proposed to implement CBCS System with effect from the Academic Year 2016-17, the HoDs are working towards implementation of CBCS System with respect to Scheme of Instruction, Electives (Core, Open & Global) and details will be placed before the Academic Council during its next meeting.

Prof. M. Kumar suggested to prepare the Scheme of Instruction for the entire duration of all UG and PG programmes under CBCS for effective implementation.

17. Other items:

17.1 Academic matters on B.E. and MCA programmes:

In the guidelines issued under autonomy for B.E. and MCA programmes, it was mentioned that minimum pass marks in each subject in a semester shall be

- 40% for each theory subject, and
- 50% for each practical subject/project
- 50% for overall aggregate of semester examinations & sessional marks.

Under autonomy, the college has introduced Letter Grades instead of percentage of marks. Therefore the approval of Academic Council is sought in this matter and to change the percentage of marks into Letter Grades as given below:

- Letter Grade "D" for each theory subject, and
- Letter Grade "C" for each practical subject/project
- Withdrawal of the stipulation of overall aggregate of semester examinations & sessionals : 50%

17.2 Academic matters on M.E/M.Tech programmes:

In the guidelines issued under autonomy for M.E/M.Tech programmes, it was mentioned that a student shall be deemed to have fully passed in the subjects registered, during the semester, shall score not less than a minimum marks as herein prescribed:

- 50% for each theory subject, and
- 50% for each practical subject/seminar/project seminar

Under autonomy, the college has introduced Letter Grades instead of percentage of marks. Therefore the approval of Academic Council is sought in this matter and to change the percentage of marks into Letter Grades as given below:

- Letter Grade "C" for each theory subject, and
- Letter Grade "C" for each practical subject/seminar/project seminar

The Academic Council has accepted the above changes.

Dr. G. Ramadevudu, Member-Secretary, Academic Council, thanked the members for attending the meeting and assured that their valuable inputs will be implemented.



(Dr. K. Jaya Sankar)
Principal & Chairman
Academic Council



(Dr. G. Ramadevudu)
Member-Secretary
Academic Council

VASAVI COLLEGE OF ENGINEERING (Autonomous)
IBRAHIMBAGH, HYDERABAD - 500 031

Minutes of the meeting of the 4th Academic Council of the College held on 19.07.2016
(Tuesday) at 2.30 p.m. in the Conference Hall, Visvesvaraya Block,
Vasavi College of Engineering

Members Present:

1	Dr. K. Jaya Sankar, Principal	:	Chairman
2	Prof. M. Kumar, Department of Civil Engg., Osmania University	:	Univ. Nominee & Member
3	Prof. G. Yesu Ratnam, Dept. of EEE, Osmania University	:	Univ. Nominee & Member
4	Prof. P. Ushasree, Dept. of Mech. Engg., Osmania University	:	Univ. Nominee & Member
5	Sri Ramesh Loganathan, Vice President, Products & Centre Head, Progressive Software, Hyderabad	:	Industry Representative & Member
6	Dr. C.N.V. Ramana, General Manager, TCGT, BHEL, Hyd	:	Industry Representative & Member
7	Dr. B. Sridhar, HoD, Civil Engg.	:	Member
8	Dr. Nagaratna Hegde, I/c. HoD, CSE	:	Member
9	Dr. K. Jaya Sankar, HoD, ECE	:	Member
10	Prof. K.V. Ramana Murthy, HoD, EEE	:	Member
11	Ms. S. Aruna, HoD (I/c.), I.T., VCE	:	Member
12	Dr. G.V. Ramana Murty, HoD, Mech. Engg.	:	Member
13	Dr. P. Hemagiri Rao, HoD, C.A.	:	Member
14	Dr. T. Sudhakara Rao, HoD, Mathematics	:	Member
15	Dr. A.S. Sai Prasad, HoD, Physics	:	Member
16	Dr. Ch. Gouri Shankar, HoD, Chemistry	:	Member
17	Dr. Jacqueline Amaral, HoD, H & SS	:	Member
18	Dr. K. Kishore, Professor, Mech. Engg.,	:	Member
19	Dr. E. Sreenivasa Rao, Professor, ECE	:	Member
20	Dr. M. Chakravarthy, Professor, EEE	:	Member
21	Dr. K. Ram Mohan Rao, Assoc. Prof., CSE	:	Member
22	Dr. G. Ramadevudu, Asst. Prof., Physics	:	Member-Secretary

The following members of the Academic Council could not attend the meeting:

- | | | | |
|---|--|---|-----------------------|
| ➤ | Dr. V. Sudhakar, Prof. & Head, Department of
Education, EFLU, Hyderabad | : | Educationist & Member |
| ➤ | Dr. K.S. Ratnakar, Director, GMRF, Hyderabad | : | Educationist & Member |

The Chairman of the Academic Council, Dr. K. Jaya Sankar presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:

1. **Confirmation of the minutes of the 3rd Academic Council held on 18.06.2016:**
The minutes of the 3rd Academic Council meeting held on 18.06.2016 were read and confirmed.
2. **Discussion on the overall curriculum structure of BE program proposed under CBCS:**

The Member-Secretary informed the Academic Council that the College will be implementing the Choice Based Credit System (CBCS) w.e.f. the academic year: 2016-17. He further informed that the overall structure of the curriculum of B.E. program department-wise has been framed by the respective departments and have been approved by the respective BoS. He requested the concerned HoDs to give a presentation on the proposed structure of B.E. program for their respective departments.

The HoDs made a brief presentation of the proposed scheme of instructions and examination for all four years of BE program.

It was informed that the proposed structure is tentative for 2nd to 4th year B.E. and there may be modifications in the courses offered. However, care has been taken to incorporate courses as stipulated in the AICTE model curriculum namely Professional core subjects, Professional elective subjects, Open electives and Mandatory courses. As we progress the curriculum of each year will be finalized and placed before the Academic Council in the future meetings for its approval.

The following suggestions have been given by the members:

Prof. M. Kumar:

- The total number of credits may vary across the branches of Engineering and need be the same for all the departments.
- Initially finalize the scheme of instruction and examination and syllabi for the first year B.E. and subsequently the other years structure may be finalized.
- Conduct a meeting to discuss the structure and contents of the syllabi well before the commencement of second year B.E. so that there will be an ample time for making appropriate changes.
- In general, students from a branch shall not opt for open electives offered by their own branch. That is, open elective courses may be opted by the students of other branches of Engineering. Students shall consult their faculty advisors before opting for an open elective course. The open elective courses may be offered subject to availability of time slots, faculty members, class rooms and minimum and maximum class strength.

Sri. Ramesh Loganathan:

- Bring the CBCS spirit in the proposed structure.
- There must be a flexibility to offer open electives in various semesters.
- The same open elective can be offered in more than one semester so that student has a choice to opt that particular open elective. However, the number of open electives offered in a given semester can be limited to two or three.
- Open electives can be framed to guide the students in a particular stream and specialization by offering minor courses. For example under open elective economics, several optional courses like Advanced Economics, Business Economics etc. can be offered.
- From the third year onwards, a student can be given an opportunity to register for more courses and earn additional credits.

3. Approval to 1/4 BE scheme of instruction and examination to be implemented under CBCS w.e.f Academic Year 2016-17

The 1/4 BE scheme of instruction and examination to be implemented under CBCS w.e.f Academic Year 2016-17 has been presented in the Academic Council Meeting by the Member-Secretary. He further informed that under CBCS the duration of a class is made as one clock hour instead of 50 minutes.

B.E FIRST YEAR I SEMESTER										Credit s
Subject Code	Subject Name	Instruction Hours per week			Examination					
		L	T	P	Duration in Hrs	Max. Marks				
THEORY						SEM Exam	CIE			
HS1100	English - I	2	1	-	3	50	25	2		
MA1100	Engineering Mathematics - I	3	1	-	3	50	25	3		
PH1110	Engineering Physics	2	1	-	3	50	25	2		
CH1100	Engineering Chemistry	2	1	-	3	50	25	2		
CS1100	Computer Programming and Problem Solving	3	1	-	3	50	25	3		
EE1100	Basic Electrical Engineering (CSE, ECE, IT)	3	1	-	3	50	25	3		
CE1000	Basic Engineering Mechanics (Civil, Mech, EEE)									
CE1110	Engineering Graphics - I	3	2	-	3	50	25	4		
LABS										
HS1101	English Lab - I	-	-	2	3	30	20	1		
PH1101	Engineering Physics Lab	-	-	2	3	30	20	1		
CH1101	Engineering Chemistry Lab	-	-	2	3	30	20	1		
CS1101	Computer Programming and Problem Solving Lab	-	-	2	3	30	20	1		
ME1101	Engineering Workshop Lab- I	-	-	2	3	30	20	1		
Total		18	8	10		500	275	24		
						775				
B.E FIRST YEAR II SEMESTER										
THEORY						SEM Exam	CIE			
HS1200	English - II	2	1	-	2	3	50	25		
MA1200	Engineering Mathematics - II	3	1	-	3	3	50	25		
PH1200	Applied Physics	2	1	-	2	3	50	25		
CH1200	Applied Chemistry	2	1	-	2	3	50	25		
CS1200	Object Oriented Programming using C++	3	1	-	3	3	50	25		
CE1000	Basic Engineering Mechanics (CSE, ECE, IT)	3	1	-	3	3	50	25		
CE1200	Engineering Mechanics (Civil, Mech, EEE)									
CE1210	Engineering Graphics - II	3	2	-	4	3	50	25		
LABS										
HS1201	English Lab - II	-	-	2	1	3	30	20		
PH1201	Applied Physics Lab	-	-	2	1	3	30	20		
CH1201	Applied Chemistry Lab	-	-	2	1	3	30	20		
CS1201	Object Oriented Programming using C++ Lab	-	-	2	1	3	30	20		
ME1201	Engineering Workshop-II (Civil, Mech, EEE)	-	-	2	1	3	30	20		
CS1211	CSE workshop (CSE)									
EC1201	Electronic workshop (ECE)									
IT1201	IT Workshop (IT)									
Total		18	8	10	24		500	275		

* CIE- Continuous Internal Evaluation

The following suggestions were made by the Members:

- It is observed from the overall structure of B.E. programme that the marks allocated for semester end examination (SEE) and internal examination (Continuous Internal Evaluation – CIE) are in the ratio 70:30 for the years (II year to IV year). However, in the proposed I year B.E., the ratio was not maintained and the marks are 50 for SEE and 25 for CIE in theory.
- That the above ratio of 70 for SEE and 30 for CIE is mentioned uniformly across departments and throughout the program of study.
- The ratio 70:30 for SEE to CIE should be continued in the I year B.E. also. Hence, the proposed marks for theory courses in SEE & CIE are to be changed from 50 and 25 to 70 and 30 marks respectively.
- Similarly the proposed marks for laboratory courses in SEE & CIE are to be changed from 30 and 20 to 50 and 25 marks respectively.
- The proposed subject reference code system should be revised. Implement 7 digit subject codes as ES123CE representing Engineering Science (ES) course offered in first semester by the department of Civil Engineering (CE). There is no need of using a digit for specifying year in the code, instead use sequential numbering of semester as 1,2,3,4,5,6,7 & 8.

The HoD-ECE has informed that their BoS advised to shift Basic electrical lab from II yr. I semester to I year II semester, in lieu of Electronic workshop lab. Therefore, the electronic workshop lab will be offered in II year I semester.

Academic Council agreed to make the above changes proposed by Head, ECE, in the scheme of instruction of I/IV B.E.

The Academic council approved the first year B.E. scheme of instruction and examination with above suggestions with effect from the academic year 2016-17.

4. **Approval of the syllabi for I and II semesters of 1/4 BE to be implemented under CBCS w.e.f. Academic Year 2016-17**

The chairman requested the concerned Heads of departments to propose the BOS approved syllabi for I and II semesters of 1/4 BE to be implemented under CBCS w.e.f. Academic Year 2016-17

The Heads of departments of Mathematics, Physics, Chemistry, H&SS, Civil, CSE, ECE, IT and mechanical engineering presented the BOS approved syllabi of their departments. They also briefly explained the modifications brought in the curriculum compared to the Autonomous curriculum of 2015-16.

The members made the following suggestions:

- a) The course outcomes and course objectives for all the courses of I/IV B.E. I & II semesters must be re-arranged with appropriate words.
- b) In the reference list of books, the following order may be used uniformly in all courses.
Author name(s), title of the book, publisher's name, edition number, year of publication.
- c) Under the learning resources, use suggested readings and online resources.
- d) The format of the syllabus of each and every course must be the same including font and font sizes.
- e) Rocket propellant and explosives in Chemistry syllabus of B.E., II year framed for ECE, CSE and IT may be equally needed for Mechanical Engineering students. Therefore, it is suggested to make changes if necessary.
- f) It is suggested to relook at the contents of CS workshop to be offered in B.E. II CSE semester students.

5. Discussion and finalization of the Academic Rules and Regulations under CBCS to be implemented from the Academic year 2016-17

The proposed academic rules and regulations under CBCS have been placed before the Academic Council.

It is informed that, the general frame work of academic rules and regulations prescribed under Autonomy such as promotion rules, award of credit and letter grades etc., remains the same even under CBCS system.

The members have gone through the academic rules and regulations and suggested that, the draft of the regulations may be circulated to the members and receive the comments. After obtaining the suggestions, the regulations can be placed before the next council meeting for approval.

6. Result analysis of 1/4 BE-II semester and 2/4 BE-II semester under autonomy for the year 2015-16

The result analysis of 1/4 BE-II semester and 2/4 BE-II semester under autonomy for the year 2015-16 are presented by Prof. A.S. Sai Prasad, Director-Examinations.

BE I Year II - Semester (Main) Result Analysis (Before Revaluation) - 2015 - 2016

S.No	Branch	No. of Candidates						
		Registered	Passed	%	Promoted	%	Detained	%
1	CSE-A	59	56	94.91	3	5.08	0	0
2	CSE-B	60	54	90	6	10	0	0
3	ECE-A	60	50	83.33	9	15	1	1.67
4	ECE-B	58	49	84.48	9	15.52	0	0
5	EEE	62	45	72.58	17	27.42	0	0
6	Mech-A	60	36	60	23	38.33	1	1.67
7	Mech-B	60	36	60	24	40	0	0
8	Civil	60	39	65	18	30	3	5
9	IT-A	59	47	79.66	12	20.34	0	0
10	IT-B	60	49	81.66	11	18.33	0	0
Total		598	461	77.09	132	22.07	5	0.84

BE II Year II - Semester (Main) Result Analysis (Before Revaluation) - 2015 - 2016

S.No	Branch	No. of Candidates						
		Registered	Passed	%	Promoted	%	Detained	%
1	CSE-A	72	61	84.72	8	11.11	3	4.17
2	CSE-B	71	59	83.09	12	16.9	0	0
3	ECE-A	71	59	83.09	12	16.9	0	0
4	ECE-B	71	55	77.46	16	22.54	0	0
5	EEE	70	59	84.28	5	7.14	6	8.57
6	Mech-A	70	56	80	13	18.57	1	1.43
7	Mech-B	73	52	71.23	15	20.55	5	6.85
8	Civil	69	53	76.81	7	10.14	9	13.04
9	IT-A	70	60	85.71	5	7.14	4	5.71
10	IT-B	70	47	67.14	16	22.86	6	8.57
Total		707	561	79.34	109	15.42	34	4.81

The details of the detained students at II/IV B.E. due to I year B.E. backlog subjects are as follows:

No. of backlog subjects	No. of students detained
one backlog	17
two backlogs	06
three backlogs	03
Four backlogs	03
Six backlogs	01
Seven backlogs	01
Eight backlogs	01
Total	34

The Academic Council noted the above result analysis.

7 To approve the ALMANAC for the Academic Year 2016-17

The Member-Secretary presented the following proposed Almanac for I/IV B.E. and M.E/M.Tech II Year.

I year B.E I-Semester (for autonomy batch)

1	Commencement of Instruction	29-07-2016
2	1 st Class Test	25.09.2016 to 29.09.2016
3	2 nd Class Test	23.11.2016 to 26.11.2016
4	Last date of instruction	26.11.2016
5	Preparation holidays and practical examinations	28.11.2016 to 09.12.2016
6	Commencement of Theory Examinations	12.12.2016 TO 31.12.2016

I year B.E II-Semester

1	Commencement of Instruction	02.01.2017
2	1 st Class Test	20.02.2017 to 23.02.2017
3	2 nd Class Test	19.04.2017 to 22.04.2017
4	Last date of instruction	22.04.2017
5	Preparation holidays and practical examinations	24.04.2017 to 06.05.2017
6	Commencement of Theory Examinations	08.05.2017 to 31.05.2017
7	Summer vacation (*)	01.05.2017 to 30.06.2017
8	Commencement of B.E 2/4 I-Semester for the academic year 2017-2018	10.07.2017

M.E/M.Tech II Year (for autonomy batch) for the academic year 2016-2017.

S.N o.	Particulars	III-Semester	IV-Semester
1	Registration	19.09.2016	16.01.2017
2	Project Seminar (Presentation & Evaluation)	02.01.2017 to 07.01.2017	--
3	Last date for submission of Draft dissertation	----	06.05.2017
4	Internal Viva Voce Examination	----	15.05.2017 to 20.05.2017
5	Submission of approved thesis of the students for External Evaluation	----	03.06.2017
6	Conduct of External Viva-Voce	----	19.06.2017 to 24.06.2017
7	Late submission & Internal Viva-Voce Examination	----	11.09.2017 to 16.09.2017
8	Conduct of External Viva-Voce Examination(for late Submission)	----	09.10.2017 to 14.10.2017

The Academic Council approved the above Almanac for I/IV B.E. and M.E/M.Tech II Year for the Academic Year 2016-17. The changes may be made in the above dates, if required as per the announcement made by the Convenor, TSEAMCET.

8. Consideration of representation from the students and their parents (placed as Table Agenda item)

The chairman of the academic council informed that:

The students, who have been detained in B.E. II year examination held in May/June, 2016 because of one or more backlogs of B.E. first year due to the existing Academic Rules and Regulations, submitted a representation along with their parents to the Principal seeking promotion to the next higher class.

The promotion rules in this regard stipulates that to promote a student from regular course of study of II/IV B.E. II semester to III/IV B.E., I semester he/she must have secured at least 50% of total credits prescribed for II/IV B.E. and passed in all the

subjects of I/IV B.E. As per the rule position, 34 students have been detained in the II/IV B.E. whose details were presented earlier under the agenda item no. 6 result analysis.

The Academic Council deliberated on the representation of the parents and students. The members felt that the academic rules and regulations should not be diluted by merely promoting the students to the next higher class along with backlog subjects. Such attempts degrade the academic standards and will be deterrent to placement activities.

After a detailed discussion on the results of B.E. (Autonomous) examinations and rules of promotion, the academic council has made the following resolution:

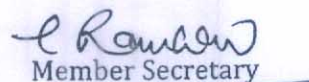
"Resolved to conduct B.E. I year (both semesters) examination for the candidates detained in B.E. II year II semester (examinations held in May/June, 2016) as onetime measure. The examination shall be conducted as a special case only for those candidates who studied B.E. I and II years in the academic years 2014-2015 and 2015-16 respectively and detained in view of one or more backlogs in B.E. I year. It is reiterated that this decision is applicable only for this year and it shall not become precedence in future".

The Academic Council has advised the Principal to take an undertaking from the students and parents in this regard stating that they will not again appeal for such considerations in future.

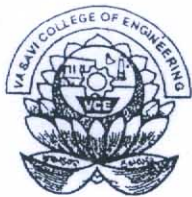
The meeting ended with vote of thanks by the Member Secretary.



Principal & Chairman
Academci Council



Member Secretary
Academci Council



VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

(Sponsored by VASAVI ACADEMY OF EDUCATION)
(Affiliated to Osmania University & Approved by A.I.C.T.E.)
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PA to Principal
[Signature]

20.09.2016

Minutes of the meeting of the 5th Academic Council of the College held on 17.09.2016
(Saturday) at 11.00 a.m. in the Conference Hall, Visvesvaraya Block,
Vasavi College of Engineering

Members Present:

- | | | | |
|----|--|---|-------------------------------------|
| 1 | Dr. K. Jaya Sankar, Principal & HoD-ECE | : | Chairman |
| 2 | Prof. M. Kumar, Department of Civil Engg.,
Osmania University | : | Univ. Nominee &
Member |
| 3 | Prof. G. Yesu Ratnam, Dept. of EEE,
Osmania University | : | Univ. Nominee &
Member |
| 4 | Prof. P. Ushasree, Dept. of Mech. Engg.,
Osmania University | : | Univ. Nominee &
Member |
| 5 | Dr. V. Sudhakar, Prof. & Head, Department of
Education, EFLU, Hyderabad | : | Educationist & Member |
| 6 | Dr. C.N.V. Ramana,
General Manager, TCGT, BHEL, Hyd | : | Industry Representative
& Member |
| 7 | Dr. B. Sridhar, HoD, Civil Engg. | : | Member |
| 8 | Dr. T. Adilaxmi, HoD, CSE | : | Member |
| 9 | Prof. K.V. Ramana Murthy, HoD, EEE | : | Member |
| 10 | Dr.T. Ram Mohan Rao, HoD-IT | : | Member |
| 11 | Dr. G.V. Ramana Murty, HoD, Mech. Engg. | : | Member |
| 12 | Dr. P. Hemagiri Rao, HoD, C.A. | : | Member |
| 13 | Dr. T. Sudhakara Rao, HoD, Mathematics | : | Member |

14	Dr. A.S. Sai Prasad, HoD, Physics	:	Member
15	Dr. Ch. Gouri Shankar, HoD, Chemistry	:	Member
16	Dr. Jacqueline Amaral, HoD, H & SS	:	Member
17	Dr. K. Kishore, Professor, Mech. Engg.,	:	Member
18	Dr. E. Sreenivasa Rao, Professor, ECE	:	Member
19	Dr. M. Chakravarthy, Professor, EEE	:	Member
20	Sri M. Bhasker, Associate Professor, Civil Engg.,	:	Member
21	Dr. G. Ramadevudu, Asst. Prof., Physics	:	Member-Secretary

The following members of the Academic Council could not attend the meeting:

- Dr. K.S. Ratnakar, Director, GMRF, Hyderabad : Educationist & Member
- Sri Ramesh Loganathan, Vice President, Products & Industry Representative
Centre Head, Progressive Software, Hyderabad & Member

The Chairman of the Academic Council, Dr. K. Jaya Sankar presided over the meeting and extended warm welcome to the members. The Chairman introduced Sri M. Bhasker, Associate Professor, Civil Engineering Department, who has been inducted as a member on the Academic Council. The following items on the agenda were taken-up for consideration:

1. **Confirmation of minutes of the 4th and Special meeting of the Academic Council held on 19.07.2016 & 12.08.2016 respectively.**

The minutes of the 4th and the Special meeting of the Academic Council held on 19.07.2016 & 12.08.2016 respectively were read and confirmed.

2. Action taken report on the Minutes of the Meetings of 4th and Special Academic Council held on 19.07.2016 & 12.08.2016 respectively.

Item No.	Council approval/ Recommendation	Action Taken
Special Academic Council held on 12.08.2016		
Item No. 1	Promotion of the eligible students into $\frac{3}{4}$ BE I-Semester consequent to declaration of results pertaining to B.E $\frac{1}{4}$ I and II semesters examinations conducted as a special case (one-time measure) in July/August 2016.	The eligible students were given promotion into $\frac{3}{4}$ BE I-Semester consequent to declaration of results pertaining to B.E $\frac{1}{4}$ I and II semesters examinations conducted as a special case (one-time measure) in July/August 2016. The students are attending the $\frac{3}{4}$ BE I-Semester class work.
4th Academic Council Meeting held on 19.07.2016		
Item No.3	Change of Class duration from 50 minutes to one hour (60 minutes)	Under CBCS the duration of a class is made as one clock hour instead of 50 minutes
	The ratio 70:30 for SEE to CIE shall be continued in the I year B.E. The proposed marks for theory courses in SEE & CIE are to be changed from 50 and 25 to 70 and 30 marks respectively.	In the CBCS structure as per the suggestion, SEE: CIE was made as 70:30 for the I year B.E. also. The marks for theory and laboratory for semester end examination was fixed as 70 and 50 respectively for each course. The marks for theory and laboratory for internal assessment (CIE) was fixed as 30 and 25 respectively for each course.
	Revision of subject reference codes for I/IV B.E under CBCS.	Revised the subject reference code as suggested for I/IV B.E under CBCS. Ex: ES110CS Computer Programming & Problem Solving using C BS110MA - Engineering Mathematics – I
Item No.4	Course outcomes and course objectives for all the courses of I/IV B.E. I & II semesters must be re-arranged with appropriate words	The HoDs of Departments concerned made the required changes and revised the course objectives and outcomes.
	In the list of reference of books, the following order may be used uniformly in all courses. Author name(s), title of the book, publisher's name, edition number, year of publication.	In the reference list of books, the suggested order was followed uniformly across all the Departments.
	The format of the syllabus of each and every course must be the same including font and font sizes.	The format of the syllabus was made uniform and the same font and font sizes were used.
Item No.5	The members have suggested that the draft rules and regulations proposed under CBCS may be circulated to the members and receive the comments.	The draft rules and regulations proposed under CBCS are circulated to the members for the comments.
Item No.8	Recommended to conduct B.E. I year (both semesters) examination for the candidates detained in B.E. II year examinations held in May/June, 2016 as onetime measure	After giving enough time for preparation, examinations were conducted to B.E. I year (both semesters) examination for the candidates detained in B.E. II year examinations held in May/June, 2016 as onetime measure and results were declared.

The Member-Secretary informed the Academic Council that the above actions were taken in accordance with the resolutions of the Academic Council Meetings held on 19.07.2016 and 12.08.2016 respectively. In reply to a query of the members, the Chairman informed that, out of 32 detained students only 29 students registered for one time examinations conducted as a special measure in July/Aug, 2016. Out of 29 students, 21 students have cleared their backlogs. Among these 21 students, 17 of them were having single subject as backlog.

3. **Approval of Scheme of Instruction and Examination of ME / M.Tech programs proposed under CBCS.**

The Chairman & Principal Prof.K. Jaya Sankar informed the members that the College is implementing Choice Based Credit System (CBCS) for M.E./M.Tech programs from the Academic year 2016-17 onwards. Hence, new scheme of instruction & Examination and Syllabi have been approved by the respective Boards of Studies for M.E./M.Tech programs. He requested the HoDs of concerned departments offering M.E./M.Tech programs to make a brief presentation of the scheme and syllabi before the members for its approval.

a) M.Tech (Computer Science and Engineering)

Prof. T. Adi laxmi, HoD-CSE presented the scheme and syllabi to the members. The members of the Academic Council have given the following suggestions:

- Seminar shall be shown as program core (PC) but not as Employability Enhancement Course (EEC).
- Similarly Seminar dissertation shall also be shown under PC instead of EEC.
- Open electives can also be offered.

The scheme and syllabi of M.Tech (CSE) were approved by the Academic Council.

b) M.E. ECE (Embedded Systems & VLSI Design) and M.E. ECE (Communications & Signal Processing)

Prof. K. Jaya Sankar, HoD-ECE, made a brief presentation on the scheme and syllabi of the 2 PG courses to the members.

The members of the Academic Council have suggested that, all the PG programs should use uniform notation for the courses offered by the department as PE, PC and EEC appropriately.

The scheme and syllabi of M.E. (ECE-Embedded Systems & VLSI Design) and M.E. (ECE Communications & Signal Processing) have been approved by the Academic Council.

c) M.E. (EEE-Power Systems and Power Electronics)

Prof. K.V. Ramana Murthy, HoD-EEE made a brief presentation on the scheme and syllabi of M.E. (EEE) Power Systems and Power Electronics to the members.

The members of the Academic Council advised to offer one lab each separately for Power Systems and Power Engineering instead of proposed single lab for the program.

The scheme and syllabi of M.E. (EEE-Power Systems and Power Electronics) have been approved by the Academic Council.

d) Mechanical (Advanced Design & Manufacturing)

Prof. G.V. Ramana Murty, HoD-Mech., presented the scheme and syllabi of M.E. (Mechanical) Advanced Design & Manufacturing to the members.

The HoD informed that they have introduced Mathematics as one of the subjects for M.E. students also.

The members of the Academic Council advised to offer Mathematics as open elective if possible.

The scheme and syllabi of (Mechanical) Advanced Design & Manufacturing to the members have been approved by the Academic Council.

The following suggestions have been made by the Members.

- Under Continuous Internal Evaluation (CIE) there is no need of conducting external examination for laboratory courses for PG students.
- All CIE examinations are to be conducted for 50 marks instead of 25 marks.
- For all programs, the lab duration must be two hours and one credit shall be awarded.
- The finishing school CIE examination shall be conducted for 15 marks and Semester End Examination (SEE) for 35 marks of 2 hrs duration.
- Across all the departments, two laboratories may be included in the scheme of examination.
- Projects offered to the students may be from the industry or by the faculty members.

4. Approval of Scheme of Instruction & Examination and Syllabi of MCA program proposed under CBCS:

The College is implementing the Choice Based Credit System w.e.f. the academic year 2016-17 also for the 3 yr. Master of Computer Application program. The Board of Studies of Computer Applications have revised the syllabus and approved the Scheme of Instruction Examination for first year.

The Head, Department of Computer Applications Prof.P. Hemagiri Rao, presented the course structure and contents of syllabi of first year MCA.

The Academic Council approved the Scheme of Instruction and Syllabi of the MCA program

5. Approval of Academic Rules and Regulations for B.E., M.E./M.Tech & MCA under CBCS to be implemented from the Academic year 2016-17

The proposed academic rules and regulations under CBCS for B.E., M.E./M.Tech & MCA have been presented by the Member-Secretary Dr.G.Ramadevudu before the Academic Council.

It is informed that, the general frame work of academic rules and regulations prescribed under Autonomy such as promotion rules, award of credit and letter grades etc., remains the same under CBCS system.

The members have gone through the academic rules and regulations proposed by the College and approved the same. The rules and regulations are given as Annexure-I

6. Approval for award of Grade to B.E., M.E./M.Tech & MCA under Autonomous status

To obtain degree, the student shall have passed in all the courses and secured the number of credits as prescribed in the scheme of instruction of program offered by department concerned and shall not have any disciplinary actions pending against him/her. The following criteria have been proposed for award of degree

Award of Grade to B.E., & MCA

Academic Performance (%)	Letter Grade		Grade Points
90 to 100	A+	Out Standing	10
80 to 89.99	A	Excellent	09
70 to 79.99	B+	Very Good	08
60 to 69.99	B	Good	07
50 to 59.99	C	Average	06
40 to 49.99	D	Pass	05
0.00	Ab	Absent	0
Below 40 (Theory).	F	Fail	0
Below 50(Laboratory)	F	Fail	0

CGPA SCORE	DIVISON AWARDED
7.50 and above (10.00-7.50)	First Division with distinction
6.50 and above and below 7.50	First Division
5.50 and above below 6.50	Second Division
4.50 and above below 5.50	Pass division
Otherwise	Fail

Award of Grade to M.E./M.Tech

Academic Performance (%)	Letter Grade		Grade Points
90 to 100	A+	Out Standing	10
80 to 89.99	A	Excellent	09
70 to 79.99	B+	Very Good	08
60 to 69.99	B	Good	07
50 to 59.99	C	Pass	06
Absent	Ab	FAIL	0
Below 50 (Theory and Laboratory)	F	Fail	0

Division is awarded on a 10-point scale as mentioned below:

CGPA Score	Type of Grade Awarded
A CGPA 8.00-10	First Division with distinction*
A CGPA of 6.50 and above but below 8.00	First Division
A CGPA of below 6.50 and above 6.00	Second Division
A CGPA score below 6	Fail

* distinction with first division is awarded only if passed in the first examination appeared

Principal & Chairman
Academic Council

Member Secretary
Academic Council



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18th June 2017

Minutes of the Meeting of 7th Academic Council held on 17th June 2017 (Saturday)
at 11.00 AM at Conference Hall, Ground Floor, Visvesvaraya Block

Members Present:

- | | | | |
|----|--|---|----------------------------------|
| 1 | Dr. K. Jaya Sankar, Principal & HoD-ECE | : | Chairman |
| 2 | Prof. M. Kumar, Department of Civil Engg.,
Osmania University | : | Univ. Nominee & Member |
| 3 | Prof. P. Ushasri, Dept. of Mech. Engg.,
Osmania University | : | Univ. Nominee & Member |
| 4 | Prof. G. Yesu Ratnam, Dept. of EEE,
Osmania University | : | Univ. Nominee & Member |
| 5 | Dr. V. Sudhakar, Prof. & Head, Department of
Education, EFLU, Hyderabad | : | Educationist & Member |
| 6 | Dr. C.N.V. Ramana,
General Manager, TCGT, BHEL, Hyd | : | Industry Representative & Member |
| 7 | Dr. B. Sridhar, HoD, Civil Engg. | : | Member |
| 8 | Dr. T. Adilaxmi, HoD, CSE | : | Member |
| 9 | Dr. T. Ram Mohan Rao, HoD-IT | : | Member |
| 10 | Dr. A. Srinivas. I/c HoD, Mech. Engg. | : | Member |
| 11 | Dr. P. Hemagiri Rao, HoD, C.A. | : | Member |
| 12 | Dr. T. Sudhakara Rao, HoD, Mathematics | : | Member |
| 13 | Dr. A.S. Sai Prasad, HoD, Physics | : | Member |
| 14 | Dr. Ch. Gouri Shankar, HoD, Chemistry | : | Member |
| 15 | Dr. Jacqueline Amaral, HoD, H & SS | : | Member |
| 16 | Dr. K. Kishore, Professor, Mech. Engg., | : | Member |
| 17 | Dr. E. Sreenivasa Rao, Professor, ECE | : | Member |
| 18 | Dr. M. Chakravarthy, Professor, EEE | : | Member |
| 19 | Dr. G. Ramadevudu, Asst. Prof., Physics | : | Member-Secretary |

(b)

The following members of the Academic Council could not attend the meeting:

1. Dr. K.S. Ratnakar, Director, GMRF, Hyderabad : Educationist & Member
2. Sri Ramesh Loganathan, Vice President, Products & Industry Representative & Centre Head, Progressive Software, Hyderabad Member
3. Prof. K.V. Ramana Murthy, HoD, EEE : Member
4. Prof. G.V. Ramana Murthy, HoD, Mech & Director (Acad) : Member
5. Sri M. Bhasker, Associate Professor, Civil Engg., : Member

The Principal and the Chairman of the Academic Council, Dr. K. Jaya Sankar presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:

1. **Confirmation of minutes of the 6th meeting of the Academic Council held on 16.05.2017.**

The minutes of the 6th Academic Council meeting held on 16.05.2017 were read and confirmed.

2. **Approval of action taken on the Minutes of the Meeting of 6th Academic Council held on 16.05.2017.**

Agenda Item. No.	Action taken
Item No. 8: Conduct of Advanced Supplementary Examinations	The matter was placed in the 19 th Board of Governors meeting held on 23.05.2017. The Board of Governors has approved for the conduct of Advanced Supplementary Examinations for even semester of B.E., and MCA programs. A communication has been sent to the Registrar, OU in this regard.

The academic council approved the above action taken report.

3. **Approval of Almanac for II, III & IV BE., and II and III MCA for the academic year 2017-18**

The following draft Almanac for II, III & IV BE., and II and III MCA for the academic year 2017-18 was proposed for approval:

B.E- III-Semester (16 Weeks)

S.No	Name of the Item	Period
1	Subjects registration by students for III semester	17.07.2017 to 22.07.2017
2	Commencement of Instruction	24.07.2017
3	1 st Internal Test	11.09.2017 to 14.09.2017
4	Dasara Vacation	24.09.2017 to 02.10.2017
5	2 nd internal Test	15.11.2017 to 18.11.2017
6	Last date of instruction	18.11.2017
7	Preparation holidays and practical Examinations	20.11.2017 to 02.12.2017
8	Commencement of Theory Examinations	04.12.2017

B.E- IV-Semester (16 Weeks)

1	Subjects registration by students for IV semester	18.12.2017 to 23.12.2017
2	Commencement of Instruction	27.12.2017
3	1 st Internal Test	12.02.2018 to 15.02.2018
4	Euphoria & TechFest-2018	15-17 th March, 2018
5	2 nd Internal Test	10.04.2018 to 13.04.2018
6	Last date of instruction	13.04.2018
7	Preparation holidays and practical Examinations	16.04.2018 to 28.04.2018
8	Commencement of Theory Examinations	30.04.2018
9	Summer vacation (*)	01.05.2018 to 14.07.2018
10	Commencement of I Semester for the Academic year 2018-2019	16.07.2018

B.E- V and VII-Semesters (16 Weeks)

Sl	Name of the Item	Period
1	Commencement of Instruction	24.07.2017
2	1 st Internal Test	11.09.2017 to 14.09.2017
3	Dasara Vacation	24.09.2017 to 02.10.2017
4	2 nd Internal Test	15.11.2017 to 18.11.2017
5	Last date of instruction	18.11.2017
6	Preparation holidays and practical Examinations	20.11.2017 to 02.12.2017
7	Commencement of Theory Examinations	04.12.2017

B.E- VI and VIII-Semesters (16 Weeks)

1	Commencement of Instruction	27.12.2017
2	1 st Internal Test	12.02.2018 to 15.02.2018
3	Euphoria & Tech Fest-2018	15-17 th March,2018
4	2 nd Internal Test	10.04.2018 to 13.04.2018
5	Last date of instruction	13.04.2018
6	Preparation holidays and practical Examinations	16.04.2018 to 28.04.2018
7	Commencement of Theory Examinations	30.04.2018
8	Summer vacation (*)	01.05.2018 to 14.07.2018
9	Commencement of I Semester for the Academic year 2018-2019	16.07.2018

MCA: III-Semester:

1	Commencement of Instruction	21.08.2017
2	Dasara Vacation	24.09.2017 to 02.10.2017
3	First Internal Tests	11.10.2017 to 13.10.2017
4	Second Internal Tests	14.12.2017 to 16.12.2017
5	Last Date of Instruction	16.12.2017
6	Preparatory Holidays & Practical Examinations	18.12.2017 to 30.12.2017
7	Commencement of Theory examinations	02.01.2018

MCA: IV-Semester:

1	Commencement of Instruction	22.01.2018
2	First Internal Test	12.03.2018 to 14.03.2018
3	Euphoria & Tech Fest 2018	15 th -17 th March,2018
4	Second Internal Test	09.05.2018 to 11.05.2018
5	Last Date of Instruction	12.05.2018
6	Preparatory Holidays & Practical Examinations	14.05.2018 to 26.05.2018
7	Commencement of Theory examinations	28.05.2018
8	Summer Vacation (*)	01.06.2018 to 09.07.2018
9	Commencement of I Semester for the academic year 2018-19	16.07.2018

MCA: V-Semester:

1	Commencement of Instruction	24.07.2017
2	First Internal Tests	11.09.2017 to 14.09.2017
3	Dasara Vacation	24.09.2017 to 02.10.2017
4	Second Internal Tests	15.11.2017 to 18.11.2017
5	Last Date of Instruction	18.11.2017
6	Preparatory Holidays & Practical Examinations	20.11.2017 to 02.12.2017
7	Commencement of Theory examinations	04.12.2017

MCA: VI-Semester:

1	Commencement of Instruction	27.12.2017
2	Euphoria & Tech Fest 2018	15 th -17 th March,2018
3	Last Date of Instruction	13.04.2018
4	Project Seminar/Lab schedule will be given during semester	-----
5	Project Viva – Voce Examinations	20.04.2018 & 21.04.2018
6	Commencement of Supplementary Examinations of MCA III year I- Semester	23.04.2018

* Staff may be permitted to avail the vacation in consultation with the respective HODs as per the approval of Principal.

The proposed Almanacs for II, III & IV BE., and II and III MCA for the academic year 2017-18 were approved by the Academic Council.

Approval of Scheme of Instruction and Examination and Syllabi of III year B.E. under Autonomy for the academic year 2017-18.

The scheme of instruction and examination and syllabi for III year B.E., under Autonomy with effect from 2016-17 has been approved by the Academic Council in its earlier meeting.

The Academic council has accepted the change of duration of the class from 50 minutes to 60 minutes for III & IV year B.E. under autonomy.

Accordingly, modifications in the scheme of instruction for B.E. III year (I and II semesters) have been approved by the Academic council for the academic year 2017-18.

5. **Approval of Scheme of Instruction and Examination and Syllabi of IV year BE program under Autonomy for the academic year 2017-18**

The Heads of the departments concerned made a brief presentation on IV year BE (I and II Semesters) Scheme of Instruction & Examination and Syllabi under Autonomy for the academic year 2017-18 which was approved in their respective Board of Studies meetings.

A. Civil Engineering:

The HoD Civil, Prof. B. Sridhar made brief presentation and explained the proposed changes in the curriculum under autonomous status.

Academic council approved the Scheme of Instruction & Examination and Syllabi of I and II semesters for IV year B.E (Civil Engineering) under Autonomy for the academic year 2017-18.

B. Computer Science and Engineering(CSE):

The HoD CSE, Prof. T. Adilaxmi, briefly presented the BoS approved scheme and syllabi of IV year B.E under autonomous status.

The members suggested that the department shall run atleast two courses in each of the electives.

Academic council approved the Scheme of Instruction & Examination and Syllabi of I and II semesters for IV year B.E (CSE) under Autonomy for the academic year 2017-18.

C. Electronics & Communication Engineering (ECE):

The HoD ECE, Prof. K. Jaya Sankar has explained the BoS approved scheme and syllabi of IV year B.E under autonomous status.

Academic council approved the Scheme of Instruction & Examination and Syllabi of I and II semesters for IV year B.E (ECE) under Autonomy for the academic year 2017-18.

D. Electrical & Electronics Engineering (EEE):

The in-charge HoD, EEE, Prof. M. Chakravarthy, briefed the changes brought in the syllabi of IV year B.E under autonomous status to the members.

Prof. Yesuratnam, OU nominee on the Academic council has suggested that there was no need of explicitly using the word "simulation" in the laboratory courses as the curriculum includes simulations in the practical sessions.

Academic council approved the Scheme of Instruction & Examination and Syllabi of I and II semesters for IV year B.E (EEE) under Autonomy for the academic year 2017-18.

E. Information Technology (IT):

The HoD, IT, Dr. K. Ramamohan Rao, made a brief presentation to the members on Scheme of Instruction & Examination and Syllabi of IV year B.E under autonomous status.

Academic council approved the Scheme of Instruction & Examination and Syllabi of I and II semesters for IV year B.E (IT) under Autonomy for the academic year 2017-18.

6

F. Mechanical Engineering (Mech):

The in-charge HoD, Mech, Prof. A. Srinivas, made a brief presentation to the members on Scheme of Instruction & Examination and Syllabi of IV year B.E under autonomous status.

The following suggestions were made by the members:

- Metrology and thermal engineering are two different streams and hence these can be separated and included as different labs. The suggestion may be taken into consideration under CBCS mode.
- Convert the "Production drawing" theory course into laboratory course under CBCS.
- Offer "finite element analysis" course as core course instead of elective under CBCS.

Academic council approved the Scheme of Instruction & Examination and Syllabi of I and II semesters for IV year B.E (Mech) under Autonomy for the academic year 2017-18.

6. Approval of Scheme of Instruction & Examination and syllabi of II year BE program under CBCS w.e.f academic year 2017-18

The College has implemented CBCS w.e.f., the A.Y. 2016-17 for the I year B.E. This batch of students are moving to II year B.E. Hence, the departments concerned conducted BoS meetings to finalize the scheme, examination and the syllabi for II year B.E.

Prof. Jaya Sankar, Principal and Chairman, Academic council has informed to the members that under CBCS w.e.f A.Y. 2017-19, four open electives are being offered to the students from III SEM to VI SEM. He also informed the introduction of one and two credit courses under open electives.

He also informed that students of all branches have to acquire three credits from the open electives of physics and chemistry put together.

a) Civil Engineering:

The HoD Civil, Prof. B. Sridhar made brief presentation on the scheme of instruction & examination and syllabi of III and IV semesters of II-year B.E under CBCS mode.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of II-year B.E (Civil Engineering) under CBCS w.e.f academic year 2017-18.

b) Computer Science and Engineering(CSE):

The HoD CSE, Prof. T. Adilaxmi, explained to the members of Academic council the proposed scheme and syllabi of II-year B.E under CBCS.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of II-year B.E (CSE) under CBCS w.e.f academic year 2017-18.

c) Electronics & Communication Engineering (ECE):

The HoD ECE, Prof. K. Jaya Sankar has explained the BoS approved scheme and syllabi of II-year B.E under CBCS.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of II-year B.E (ECE) under CBCS for the academic year 2017-18.

d) Electrical & Electronics Engineering (EEE):

The in-charge HoD, EEE, Prof. M. Chakravarthy, briefly presented the scheme and syllabi of II-year B.E under CBCS to the members.

Prof. Yesuratnam, OU nominee on the Academic Council has suggested to shift "circuit lab" offered in SEM-V to SEM-III and "electrical machines" lab from SEM-IV to SEM-III so that corresponding theory and labs will be offered in the same semester.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of IV year B.E (EEE) under CBCS for the academic year 2017-18.

The HoD, IT, Dr. K. Ramamohan Rao, made a brief presentation to the members on Scheme of Instruction & Examination and Syllabi of II-year B.E under CBCS.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of II-year B.E (IT) under Autonomy for the academic year 2017-18.

f) Mechanical Engineering (Mech):

The in-charge HoD, Mech, Prof. A. Srinivas, made a brief presentation to the members on Scheme of Instruction & Examination and Syllabi of II-year B.E under CBCS.

Prof. Usha Sri, O.U. nominee on Academic council suggested that "Automobile Engineering" be offered as professional core instead of professional elective under CBCS in the coming years.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of IV year B.E (Mech) under Autonomy for the academic year 2017-18.

The Academic council approved the proposal of acquiring three credits from the open electives of physics and chemistry put together and suggested that the open electives of physics and chemistry are to be designed so that, there shall be no need to pursue any pre-requisite courses.

7. Approval of Scheme of Instruction & Examination and Syllabi of I year BE program under CBCS w.e.f the academic year 2017-18

The principal informed the Council to improve the teaching and learning process, a few changes were contemplated in the scheme, examination and syllabi of I year B.E program.— It is proposed to enhance the ratio of marks of Semester End Examinations (SEE) to Continuous Internal Evaluation (CIE i.e., internal assessment) from 70:30 to 60:40 w.e.f., the academic year 2017-18. To incorporate the changes, the departments concerned conducted BoS meetings to finalize the scheme, examination and the syllabi. He explained the scheme of instruction and examination for the I and II semesters of B.E program to be implemented from the academic year 2017-18 under CBCS.

i. Mathematics

The HoD, Dr. T. Sudhakar Rao, Mathematics informed that the changes made in the curriculum and the contents in the syllabi are designed to suit the requirements of Engineering Branch concerned. He also informed that the Department of mathematics is offering open electives w.e.f., from the A.Y 2017-18

ii. Physics

The HoD, Physics, Prof. A.S. Sai Prasad made a brief presentation on the curriculum and the contents in the syllabi. He also informed that the Department of Physics is offering four one credit and three two credits open elective courses w.e.f., from the A.Y 2017-18

iii. Chemistry

The HoD, Chemistry, Dr. Ch. Gouri Shankar, made a brief presentation on the contents of the syllabi. He informed to the members of the academic council that the Department of Chemistry is also offering one credit and two credit open elective courses w.e.f., from the A.Y 2017-18

iv. Civil Engineering

The HoD Civil, Prof. B. Sridhar made brief presentation on syllabi of Engineering Mechanics, Engineering graphics and Engineering Drawing offered in I and II semesters of B.E under CBCS mode.

The Engineering graphics course will be offered to Mechanical, Civil and EEE branches, whereas the Engineering Drawing will be offered to CSE, ECE & IT branches w.e.f the academic year 2017-18 under CBCS.

①

v. Computer Science & Engineering

The HoD CSE, Prof. T. Adilaxmi made brief presentation on syllabi of I and II semesters of I-year B.E under CBCS.

She informed that w.e.f the academic year 2017-18, "computer programing" theory course is made common to all the branches in I semester and "Object Oriented Programming" theory course is made common to ECE, EEE, MECH and CIVIL branches in the II semester.

The HoD further informed that, for CSE branch in the II semester "Basic Electronics" theory course and Basic Electronics Lab course were introduced in place of Object Oriented Programming theory and lab.

vi. Electronics & Communication Engineering

The HoD ECE, Prof. K. Jaya Sankar explained the BoS approved scheme and syllabi of B.E I and II semesters under CBCS.

vii. Electrical & Electronics Engineering

The in-charge HoD, EEE, Prof. M. Chakravarthy, briefly presented the scheme and syllabi of B.E I and II semester under CBCS to the members.

viii. Information Technology

The HoD IT, Dr. K. Ramamohan Rao made brief presentation on syllabi of I and II semesters under CBCS.

The HoD further informed that, for IT branch in the II semester "Data structures" theory and lab courses were introduced in place of Object Oriented Programming theory and lab.

ix. Mechanical Engineering

The in-charge HoD, Mech, Prof. A. Srinivas, made a brief presentation to the members on Syllabi of I-year B.E under CBCS.

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR
B.E I and II SEMESTERS W.E.F. 2017-18 (CBCS)

Course Code	I SEMESTER		Instruction Hours per week				Scheme of Examination		Credits
	Name of the Course	L	T	D	P	Duration in Hrs	Max. Marks		
THEORY							SEE	CIE	
HS110EH	English - I	2	1	-	-	3	60	40	2
BS110MA	Engineering Mathematics - I	3	1	-	-	3	60	40	3
BS120PH	Engineering Physics	2	1	-	-	3	60	40	2
BS130CH	Engineering Chemistry	2	1	-	-	3	60	40	2
ES110CS	Computer Programming	3	1	-	-	3	60	40	3
ES120EE	Basic Electrical Engineering (CSE, ECE, IT)	3	0	-	-	3	60	40	3
ES100CE	Basic Engineering Mechanics (CIVIL,MECH,EEE)								
ES120CE	Engineering Graphics- I (Civil, Mech, EEE)	-	2	3	-	3	60	40	4
ES130CE	Engineering Drawing-I (CSE, IT, ECE)								
LABS									
HS111EH	English Language Lab - I	-	-	-	2	3	50	30	1
BS111PH	Engineering Physics Lab (CIVIL, ECE, IT)				2	3	50	30	1
BS121CH	Engineering Chemistry Lab (CSE, EEE, MECH)								
ES111CS	Computer Programming Lab	-	-	-	2	3	50	30	1
ES121ME	Engineering Workshop- I	-	-	-	2	3	50	30	1
Total		15	7	3	8		620	400	23
		33					1020		

II SEMESTER									
THEORY									
HS210E H	English – II	2	1	-	-	3	60	40	2
BS210M A	Engineering Mathematics - II	3	1	-	-	3	60	40	3
BS220PH	Applied Physics	2	1	-	-	3	60	40	2
BS240C H	Applied Chemistry	2	1	-	-	3	60	40	2
ES210CS	Object Oriented Programming (ECE, EEE, MECH, CIVIL)	3	1	-	-	3	60	40	3
ES210EC	Basic Electronics (CSE)								
ES210IT	Data structures(IT)								
ES100CE	Basic Engineering Mechanics(CSE, ECE, IT)	3	0	-	-	3	60	40	3
ES220CE	Engineering Mechanics (CIVIL, MECH, EEE)								
ES230CE	Engineering Graphics– II (Civil, Mech, EEE)								
ES240CE	Engineering Drawing-II (CSE, IT, ECE)		2	3	-	3	60	40	4
LABS									
HS211E H	English Language Lab - II	-	-	-	2	3	50	30	1
BS111PH	Engineering Physics Lab (CSE, EEE, MECH)	-	-	-	2	3	50	30	1
BS121C H	Engineering Chemistry Lab (CIVIL ,ECE, IT)	-	-	-					
ES211CS	Object Oriented Programming Lab (ECE, EEE, MECH,CIVIL)	-	-	-	2	3	50	30	1
ES211EC	Basic Electronics Lab (CSE)								
ES211IT	Data Structures lab (IT)								
ES221M E	Engineering Workshop-II (CIVIL, MECH, EEE)								
ES231EE	Basic Electrical Engineering Lab (ECE)	-	-	-	2	3	50	30	1
ES241CS	CSE workshop (CSE)								
ES251IT	IT Lab (IT)								
Total		15	7	3	8		620	400	23
* SEE- Semester End Examination		33					1020		
* CIE- Continuous Internal Evaluation									

The members of the Academic council approved the Scheme of instruction, examinations and syllabi of I and II semester of B.E., (all branches) to be implemented w.e.f., the academic year 2017-18.

The members also made the following general suggestions :

- Scheme of examinations template must be uniform across all the branches and all the semesters. All the departments shall use common template for the scheme.
- Check all the totals of Lecture hours, Tutorials, Practicals, Drawing, credits, total marks of SEE and CIE and grand totals in scheme template.
- The course codes should be uniform across all the branches.
- At the end of the syllabus of each course mention the Learning Resources under the heads:
 - Suggested books
 - Reference Books
 - Online resources
- All the references should follow uniform format as given below:
 Author names (coma separated for multiple authors) , Initials of authors, title of the book, edition number, (publication Year), name of the publishers, place of publications
 Example: **Leach D. P and Malvino A. P., Digital Principals and Applications,6th Edition (2006), Tata McGraw - Hill, New Delhi**

- f. One credit courses of 60:40 scheme should have SEE: 30 and CIE: 20
- g. One credit courses of 70:30 scheme should have SEE: 35 and CIE: 15
- h. No two courses shall have the same title.
- i. Under electives each department shall offer at least two courses.
- j. Course objectives and course outcomes need to be rechecked and uniform format should be followed.

8. Approval of Scheme of Instruction & Examination and Syllabi of MCA II year under CBCS w.e.f., the Academic Year 2017-18.

The college has implemented CBCS w.e.f., the A.Y. 2016-17 for I year MCA program. To meet the requirements, the department of CA has conducted Board of Studies meeting to finalize MCA-II-year scheme and syllabi.

The Head, Computer applications made a brief presentation on Scheme of Instruction & Examination and Syllabi of MCA II year under CBCS to the members.

Academic council approved the Scheme of Instruction & Examination and Syllabi of III and IV semesters of II year MCA under CBCS w.e.f., the academic year 2017-18.

9. Approval of Scheme of Instruction & Examination and Syllabi of MCA I year under CBCS w.e.f., from the academic year 2017-18

The Academic Council approved the Scheme of Instruction & Examination and Syllabi of MCA I year. The Council also approved the revision of ratio of marks of Semester End Examinations (SEE) to Continuous Internal Evaluation (CIE i.e. internal assessment) from 70:30 to 60:40 w.e.f., the academic year 2017-18.

10 Approval to introduce 1 (one) and 2 (two) credit open electives courses from III to VI-Semesters of B.E program under CBCS w.e.f the academic year 2017-18.

The Heads of Departments in the meeting held on 13.06.2017, recommended to introduce one and two credit open electives courses from III to VI-Semesters of B.E program under CBCS with effect from the academic year 2017-18. It was recommended that the, students shall have to acquire a total of 3 credits put together from the open elective courses offered by Departments of Physics and Chemistry out of 11 credits under open electives courses.

The following allocation of CIE and SEE for open electives is approved:

S. No.	Year of admission	Duration of Course-end Examination	CIE	SEE
1	2016-17			
	For 1 Credit Course:	2 Hrs.	15	35
	For 2 Credit Course:	3 Hrs.	30	70
2	2017-18			
	For 1 Credit Course:	2 Hrs.	20	30
	For 2 Credit Course :	3 Hrs.	40	60

The Academic Council also approved that both CIE and SEE for open elective courses of 1(one) and 2 (two) credits shall be conducted by the "course instructor" and will not be scheduled as centralized method of conducting the examinations and the necessary guidelines for conduct and award of marks for CIE and SEE for open elective courses shall be issued separately.

(B)


Approved of participation of students in the following activities in addition to the minimum credits prescribed by the department concerned with effect from the academic year 2016-17 under CBCS.

The Heads of Departments in the meeting held on 13.06.2017 proposed that students shall participate in the following activities during the 4-Year B.E. program to become eligible for award of degree in addition to acquiring the minimum credits prescribed by the department concerned through courses offered under (HS, BS, ES, PC, PE, OE, MC, and project) for the batches admitted with effect from the academic year 2016-17 under CBCS.

- 04 extra-curricular activities (from four semesters)
- One paper presentation at 5th Semester
- One Theme-based project report submission at 6th Semester
- All co-curricular activities offered by the Department.
- One certificate course amongst courses prescribed by the Department.

The chairman informed the members that these activities do not have assessment and these are audit courses with no credits attached. However, attendance in the activities is made mandatory to encourage student participation and a student should secure minimum of 75% attendance in these programs.


Dr. G. Ramadevedu
Member- Secretary


Dr. K. Jaya Sankar
Principal and Chairman

Vasavi College of Engineering (Autonomous)
Ibrahimbagh, Hyderabad

14.05.2018

MINUTES OF THE MEETING OF
Minutes of the Meeting of 9th Academic Council held on 5th May 2018 (Saturday)
at 11.00 AM at Conference Hall, Ground Floor, Visvesvaraya Block

Members Present:

- | | | | |
|----|--|---|------------------------|
| 1 | Dr. S. V Ramana Principal | : | Chairman |
| 2 | Prof. M. Kumar, Dept. of Civil Engg., Osmania University | : | Univ. Nominee & Member |
| 3 | Prof. G. Yesu Ratnam, Dept. of EEE, Osmania University | : | Univ. Nominee & Member |
| | Prof. V. Sudhakar, Head, Dept. of Education, EFLU, Hyd | : | Educationist & Member |
| 4 | Dr. B. Sridhar, HoD, Civil Engg. | : | Member |
| 5 | Dr. T. Adilaxmi, HoD, CSE | : | Member |
| 6 | Dr. K. Jaya Sankar, HoD-ECE | : | Member |
| 7 | Prof. K.V. Ramana Murthy, HoD, EEE | : | Member |
| 8 | Dr.K. Ram Mohan Rao, HoD-IT | : | Member |
| 9 | Prof. G.V. Ramana Murthy, HoD, Mech & Director (Acad) | : | Member |
| 10 | Dr. P. Hemagiri Rao, HoD, C.A. | : | Member |
| 11 | Dr. T. Sudhakara Rao, HoD, Mathematics | : | Member |
| 12 | Dr. A.S. Sai Prasad, HoD, Physics | : | Member |
| 13 | Dr. Ch. Gouri Shankar, HoD, Chemistry | : | Member |
| 14 | Dr. Jacqueline Amaral, HoD, H & SS | : | Member |
| 15 | Dr. K. Kishore, Professor, Mech. Engg., | : | Member |
| 16 | Dr. E. Sreenivasa Rao, Professor, ECE | : | Member |
| 17 | Dr. M. Chakravarthy, Professor, EEE | : | Member |

The following members could not attend the meeting

- | | | | |
|---|---|---|-------------------------------------|
| 1 | Prof. P. Ushasri, Dept. of Mech. Engg., Osmania University | : | Univ. Nominee & Member |
| | Dr. K.S. Ratnakar, Director, GMRF, Hyderabad | : | Educationist & Member |
| 2 | Dr. G. Ramadevudu, Asst. Prof., Physics | : | Member-Secretary |
| 3 | Sri Ramesh Loganathan, Vice President, Products & Centre
Head, Progressive Software, Hyderabad | : | Industry Representative &
Member |
| 4 | Dr. C.N.V. Ramana, General Manager, TCGT, BHEL, Hyd | : | Industry Rep. & Member |
| 5 | Sri M. Bhasker, Associate Professor, Civil Engg., | : | Member |

The Principal and the Chairman of the Academic Council, Dr. S. V. Ramana presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:

1. **Confirmation of the minutes of the meeting of 8th Academic council held on 06.01.2018**

The minutes of the 8th Academic council meeting held on 06.01.2018 were read and confirmed.

The minutes of the 8th academic council meeting held on 06.01.18 have been confirmed.

2. **Action taken report on the minutes of the meeting of 8th Academic council held on 05.01.2018**

Agenda item No	Action Taken
Item No. 6: Under this item, 8 th Academic council approved moderation rules (of Osmania University) adopted by the college under Autonomy. It was informed to the academic council that, the college is planning to soon conduct a meeting on reforms in examination system including the moderation rules involving experts. The recommendations of the reforms meeting will be placed in the next academic council for discussion.	The process of examination reforms was initiated and conducted few internal meetings. Some more meetings are scheduled in the coming months. After completion of the meetings the recommendations on the reforms will be placed in the academic council for discussion.

Prof. S. V. Ramana, principal and the chairman of the Academic council informed to the members that the process of examinations reforms including moderation rules is still at initial stage and request the Academic Council to grant some more time to finalize the report on examinations reforms.

The academic Council has given permission to complete the process and asked to come up with a final and consolidated report on examinations reforms.

3. **Ratification of condonation of attendance on medical grounds for students who put in attendance between 65 & 75% for IV Semester B.E and II Semester MCA**

A student shall put in a minimum attendance of 75% eligible to appear for semester examinations. Those students whose attendance is between 65% & 75% should submit a valid medical certificate to get eligibility under medical condonation. The following number of students were given medical condonation for the academic year 2017-18 IV semester B.E and II semester MCA:

S.No	Year	Semester	No. of Students	Remarks
1	B.E II	IV	27	Circular No:VCE/AEB/MC List/2018/097 Date:28/04/2018
2	B.E 3/4	II	35	
3	B.E 4/4	II	47	
4	MCA III	II	01	Circular No: VCE/AEB/MC List/2018/100 Date:28/04/2018

The following candidates as per the circular No: VCE/AEB/Detained Students-2018/099 dated 28/04/2018, have been detained in II (IV Sem), III & IV year B.E II-Semester courses (All Branches) under the Autonomous rules and regulations of the college and due to lack of adequate percentage of attendance for the year 2017-2018.

They are advised to repeat the same course in the next academic year by paying the required tuition fee.

Sl. No.	H.T.No.	Name of the Student	Year//Branch(sec.)		Aggregate % of attendance secured
01	1602-16-733-072	BHAVANI NADIMPALLY	BE IV SEM	CSE-B	27
02	1602-16-737-313	RATNALA SUDAKER	BE IV SEM	I.T-B	11
03	1602-14-735-312	SREENU N	BE 4/4-II SEM	ECE-A	0

B.E II (IV SEM) bridge course (all branches)

04	1602-16-737-313	RATNALA SUDAKER	BE IV SEM	I.T-B	33.33
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Academic Council approved and ratified the above list of students for condonation of attendance on medical grounds and also the list of detained students due to lack of required attendance.

4. **Approval for Change of marks ratio of SEE: CIE to 60:40 from existing 70:30 for III and IV semesters of B.E/M.E/M.Tech Program and III and IV & V and VI semesters of MCA program w.e.f. the Year 2018-19.**

The Chairman, academic Council informed the members that, under CBCS, the ratio of marks of Semester End Examinations (SEE) to Continuous Internal Evaluation (CIE) was revised from 70:30 to 60:40 w.e.f., the academic year 2017-18 for the under graduate and post graduate programs in Engineering and MCA. It is proposed to continue the ratio of SEE to CIE 60:40 w.e.f the Academic year 2018-19 also.

The academic council approved the ratio marks of SEE to CIE as 60:40 for B.E, ME, M.Tech and MCA programs for the students admitted in the academic year 2017-18 until completion their respective programs of admission.

5. **Approval of scheme of examination and syllabi B.E (CIVIL) w.e.f 2018-19**

The batch of students admitted in the academic year 2017-18 are moving to next higher semesters with effect from the academic year 2018-19. Hence the respective Departments have conducted Board of studies meetings to finalize the scheme and syllabi of the courses offered in III and IV semesters of B.E w.e.f A.Y 2018-19. The respective BoS approved the scheme and syllabi.

Prof. B. Sridhar, HoD, Civil Engineering Department briefly presented the Scheme of Examination and Syllabi III and IV Semesters of B.E (CIVIL) (For the batch admitted in the A.Y 2017-18) and also Scheme of Examination and Syllabi V and VI Semesters of B.E (CIVIL) (For the batch admitted in the A.Y 2016-17).

Further HoD, informed to the members of Academic Council that as per the suggestions of the of Board of studies, open elective course "Health Monitoring and Retrofitting of Structures" has been withdrawn as it is not apt for other branches of Engineering. The BoS (civil) advised to introduced new open elective courses "Management of Sewage" and "Metro-Rail System" In addition, BoS (civil) also approved Change of finishing School-IV Technical Skills from MAT Lab to Primavera and Rivet Architecture.

The Academic Council approved the following for Civil Engineering Department:

- Scheme of Examination and Syllabi of III and IV Semesters of B.E (For the batch admitted in the A.Y 2017-18) w.e.f the Academic Year 2018-19.
- Scheme of Examination and Syllabi of V and VI Semesters of B.E (For the batch admitted in the A.Y 2016-17) w.e.f the Academic Year 2018-19.
- Withdrawal of earlier open elective course Health Monitoring and Retrofitting of Structures and approved introduction of new open elective courses.
- Change of finishing School-IV (Technical Skills) From MATLAB to Primavera and Rivet Architecture

6. Approval of scheme of examination and syllabi B.E (CSE) w.e.f 2018-19

Prof. T. Adilakshmi, HoD, CSE made a brief presentation to the members in the Scheme of Examination and Syllabi III and IV Semesters of B.E (CSE) (For the batch admitted in the A.Y 2017-18) and also Scheme of Examination and Syllabi V and VI Semesters of B.E (CSE) (For the batch admitted in the A.Y 2016-17). The BoS meeting approved the scheme and syllabi for above semesters.

The Academic Council approved the following for CSE Department:

- Scheme of Examination and Syllabi of III and IV Semesters of B.E (For the batch admitted in the A.Y 2017-18) w.e.f the Academic Year 2018-19.
- Scheme of Examination and Syllabi of V and VI Semesters of B.E (For the batch admitted in the A.Y 2016-17) w.e.f the Academic Year 2018-19.

7. Approval of scheme of examination and syllabi B.E (ECE) w.e.f 2018-19

Prof. K. Jaya Sankar, HoD, ECE made a brief presentation on the Scheme of Examination and Syllabi III and IV Semesters of B.E (ECE) (For the batch admitted in the A.Y 2017-18) and also Scheme of Examination and Syllabi V and VI Semesters of B.E (ECE) (For the batch admitted in the A.Y 2016-17). The BoS meeting approved the scheme and syllabi.

The Academic Council approved the following for ECE Department:

- Scheme of Examination and Syllabi of III and IV Semesters of B.E (For the batch admitted in the A.Y 2017-18) w.e.f the Academic Year 2018-19.
- Scheme of Examination and Syllabi of V and VI Semesters of B.E (For the batch admitted in the A.Y 2016-17) w.e.f the Academic Year 2018-19.

8. Approval of scheme of examination and syllabi B.E (EEE) w.e.f 2018-19

Prof. K.V. Ramana Murthy, HoD, EEE presented BoS approved Scheme of Examination and Syllabi III and IV Semesters of B.E (EEE) (For the batch admitted in the A.Y 2017-18) and also Scheme of Examination and Syllabi V and VI Semesters of B.E (EEE) (For the batch admitted in the A.Y 2016-17).

The Academic Council approved the following for EEE Department:

- Scheme of Examination and Syllabi of III and IV Semesters of B.E (For the batch admitted in the A.Y 2017-18) w.e.f the Academic Year 2018-19.
- Scheme of Examination and Syllabi of V and VI Semesters of B.E (For the batch admitted in the A.Y 2016-17) w.e.f the Academic Year 2018-19.

9. *Approval of scheme of examination and syllabi B.E (IT) w.e.f 2018-19*

Dr. K. Ramamohan Rao, HoD, IT briefly explained the Scheme of Examination and Syllabi III and IV Semesters of B.E (IT) (For the batch admitted in the A.Y 2017-18) and also Scheme of Examination and Syllabi V and VI Semesters of B.E (IT) (For the batch admitted in the A.Y 2016-17). The schemes and syllabi have been approved by the Board of studies in IT.

The Academic Council approved the following for IT Department:

- Scheme of Examination and Syllabi of III and IV Semesters of B.E (For the batch admitted in the A.Y 2017-18) w.e.f the Academic Year 2018-19.
- Scheme of Examination and Syllabi of V and VI Semesters of B.E (For the batch admitted in the A.Y 2016-17) w.e.f the Academic Year 2018-19.

10. *Approval of scheme of examination and syllabi B.E (Mech) w.e.f 2018-19*

Prof. G.V. Ramana Murthy, HoD, Mechanical Engineering Department presented the Scheme of Examination and Syllabi III and IV Semesters of B.E (Mech) (For the batch admitted in the A.Y 2017-18) and also Scheme of Examination and Syllabi V and VI Semesters of B.E (Mech) (For the batch admitted in the A.Y 2016-17) to the members and informed that Board of Studies in mechanical Engineering had approved above. .

The Academic Council approved the following for Mechanical Engineering Department:

- Scheme of Examination and Syllabi of III and IV Semesters of B.E (For the batch admitted in the A.Y 2017-18) w.e.f the Academic Year 2018-19.
- Scheme of Examination and Syllabi of V and VI Semesters of B.E (For the batch admitted in the A.Y 2016-17) w.e.f the Academic Year 2018-19.
- Introduction of mini project (V semester)
- Revision in the curriculum of finishing School-IV (Technical Skills).
- Introduction of the following open elective Courses

One credit courses	:	1. Basics of 3D printing (in V-Sem)
		2. Basics of Mechatronics (in VI-Sem)
Two credit courses	:	1. Introduction to Robotics (in V-Sem)
		2. Basics of Entrepreneurship (in V-Sem)
		3. Optimization Methods for Engineering (in VI Sem)
		4. Advances in Entrepreneurship (in VI-Sem)

11. *Note on NIRF Ranking to the College for 2017-18*

The Chairman and the Principal Prof. S.V. Ramana informed the Academic Council that the college was placed in the rank bracket of 151-200 for the year 2017-18 by the National Institutional Ranking Framework (NIRF). He also informed that the institution is working for better rank in the coming year. To achieve better rank the college should score good marks in Research and Development activity including obtaining sponsored research projects and improve journal publications. The faculty members are being sensitized in these areas and advised to apply for sponsored research projects to various funding agencies.

Prof. M. Kumar suggested that, HoDs of respective departments should take the initiative to advise the faculty members to publish research papers in journals of high repute.

The Academic Council noted the NIRF rank and suggested to improve the rank in the coming years. Members

12. *Note on grant of NBA Accreditation to three PG programs offered by the college.*

The Chairman and the Principal Prof. S.V. Ramana informed to the Academic Council that the National Accreditation Board (NBA) granted accreditation in the Month of March 2018 for the three Post Graduate programs namely M.E (Advanced Design and manufacturing: Mechanical Engineering), ME (Embedded Systems and VLSI design: ECE) and Masters in Computer Applications (MCA) for two years each (2017-19).

The Academic Council noted the NBA Accreditation to three PG programs and congratulated the Management, Principal and the Staff.

13. *Review of NAAC-SSR submission process for May/June 2018 window.*

The Chairman and the Principal Prof. S.V. Ramana informed to the Academic Council that the college is planning to submit SSR to NAAC for accreditation in May/June 2018 window.

The Academic Council noted the submission NAAC-SSR in the May/June 2018 window

14. *Note on status of campus placements for the year 2017-18*

UG [B.E] Campus Placements Details - 2017 – 2018 as on 26.4.2018

S.NO	Branch	Strength	No. of eligible Students	Gross Selection	Net Selection	% of Selection
1	CSE	142	137	209	119	84.67
2	ECE	142	132	158	105	79.55
3	EEE	68	60	51	38	63.33
4	IT	138	124	153	102	82.26
5	MECH	138	122	80	56	45.90
6	CIVIL	68	53	24	16	30.19
	Total	696	628	675	433	68.95

PG [M.E/ M.Tech] Campus Placements Details - 2017 - 2018

S.NO	Branch	Strength	No. of eligible Students	Gross Selection	Net Selection	% of Selection
1	CSE	15	9	5	5	55.6
2	ECE (VLSI)	17	05	2	2	40
3	ECE (CE&SP)	10	06	2	2	33.33
4	EEE	17	11	-	-	-
5	MECH	13	12	-	-	-
6	MCA	42	35	16	11	31.43

The Principal informed, the members that the average salary package of the year 2017-18 has increased to Rs. 4.5 lacs. He also informed that some of the Civil engineering students were selected for Government jobs and many of them opting for the Government jobs.

15. **Revision of mandatory requirement of completion of activities by the students for the award of B.E. degree in addition to the minimum credits prescribed by the college with effect from the academic year 2016-17 under CBCS.**

The Academic Council in its 7th meeting held on 17.05.2017, under agenda item No. 11 approved the following activities to be completed by the students for the award of B.E degree, in addition to minimum credits prescribed by the College w.e.f the Academic Year 2016-17 under CBCS.

- 04 extra-curricular activities- ECA (from 3rd to 6th Semester)
- 04 Co-Curricular activities- CCA (from 3rd to 6th Semester)
- One paper presentation at 5th Semester
- One Theme-based project report submission at 6th Semester
- One online (MOOCS) certificate course amongst courses prescribed by the Department.

After the due deliberations among members on the enhancement of employability skills and placements of students, it was resolved to revise the above mentioned activities to acquire B.E degree, in addition to minimum credits prescribed by the College w.e.f the Academic Year 2016-17 under CBCS as follows:

III Semester : CCA-1 and ECA-1

IV- Semester : CCA-2 and Technical Skill/ Workshops. RC.TC etc in place of ECA

- V- Semester : CCA-3 (PP) and ECA-2 and Technical Skill-1 (prerequisites to additional Technical Skills of VI semester and any other technical skills identified by the Departments Concerned.
- VI- Semester : Additional Technical Skills
- VI Semester : One Theme-based project report submission at 6th Semester
- One online (MOOCS) certificate course amongst courses prescribed by the Department.

The Academic Council has approved the above mandatory requirement of completion of activities by the students for the award of B.E. degree in addition to the minimum credits prescribed by the college with effect from the academic year 2016-17 under CBCS.


Dr. G. Ramadevudu
Member-Secretary
Academic Council


Prof. S.V. Ramana
Principal &
Chairman, Academic Council

30.05.2018

Minutes of the Meeting of 10th Academic Council held on 29th May 2018 (Tuesday)
at 11.00 AM at Conference Hall, Ground Floor, Visvesvaraya Block

Members Present:

- | | | | |
|----|--|---|------------------------|
| 1 | Dr. S. V Ramana, Principal | : | Chairman |
| 2 | Prof. M. Kumar, Dept. of Civil Engg., Osmania University | : | Univ. Nominee & Member |
| 3 | Prof. P. Ushasri, Dept. of Mech. Engg., Osmania University | : | Univ. Nominee & Member |
| 4 | Prof. V. Sudhakar, Head, Dept. of Education, EFLU, Hyd | : | Educationist & Member |
| 5 | Dr. C.N.V. Ramana, General Manager, TCGT, BHEL, Hyd | : | Industry Rep. & Member |
| 6 | Dr. B. Sridhar, HoD, Civil Engg. | : | Member |
| 7 | Dr. T. Adilaxmi, HoD, CSE | : | Member |
| 8 | Dr. K. Jaya Sankar, HoD-ECE | : | Member |
| 9 | Dr. M. Chakravarthy, HoD, EEE | : | Member |
| 10 | Dr. K. Ram Mohan Rao, HoD-IT | : | Member |
| 11 | Prof. G.V. Ramana Murty, HoD, Mech & Director (Acad) | : | Member |
| 12 | Dr. P. Hemagiri Rao, HoD, C.A. | : | Member |
| 13 | Dr. T. Sudhakara Rao, HoD, Mathematics | : | Member |
| 14 | Dr. A.S. Sai Prasad, HoD, Physics | : | Member |
| 15 | Dr. P. Venugopal, I/c, HoD, Chemistry | : | Member |
| 16 | Dr. Jacqueline Amaral, HoD, H & SS | : | Member |
| 17 | Dr. K. Kishore, Professor, Mech. Engg., | : | Member |
| 18 | Dr. E. Sreenivasa Rao, Professor, ECE | : | Member |
| 19 | Dr. G. Ramadevudu, Asst. Prof., Physics | : | Member-Secretary |

The following members could not attend the meeting

- | | | | |
|---|--|---|----------------------------------|
| 1 | Prof. G. Yesu Ratnam, Dept. of EEE, Osmania University | : | Univ. Nominee & Member |
| 2 | Dr. K.S. Ratnakar, Director, GMRF, Hyderabad | : | Educationist & Member |
| 3 | Sri Ramesh Loganathan, Vice President, Products & Centre Head, Progressive Software, Hyderabad | : | Industry Representative & Member |
| 4 | Sri M. Bhasker, Associate Professor, Civil Engg., | : | Member |

The Principal and the Chairman of the Academic Council, Dr. S. V. Ramana presided over the meeting and extended warm welcome to the members. The following items on the agenda were taken-up for consideration:



1. Confirmation of the minutes of the meeting of 9th Academic council held on 05.05.2018

The minutes of the 9th Academic council meeting held on 05.05.2018 were circulated to the members. The minutes of the meeting were read and confirmed.

The minutes of the 9th academic council meeting held on 05.05.18 have been confirmed.

2. Ratification of attendance condonation on medical grounds for students who put in attendance between 65 & 75% for II Semester B.E

A student shall put in a minimum attendance of 75% to be eligible to appear for semester examinations. Those students whose attendance is between 65% & 75% should submit a valid medical certificate to get eligibility under medical condonation. The following students of B.E II semester were given medical condonation for the academic year 2017-18.

S.No	Year	Semester	No. of Students	Remarks
1	First Year B.E	II	20	Circular No: VCE/AEB/MC List/2018/115 Date:09/05/2018

The following candidate is detained in I year B.E - II Semester course as per autonomous BE rules and regulations, due to lack of adequate percentage of attendance for the year 2017-2018. He is advised to repeat the same course in the next academic year by paying the required tuition fee.

H.T.No.	Name of the Student	Year//Branch	Aggregate % of attendance secured
1602-17-736-064	Garlapati Pavan Aditya Reddy	I Mech-B	04

Academic Council approved and ratified the above list of students for condonation of attendance on medical grounds and also the list of detained students due to lack of required attendance.

3. Approval of the ALMANAC of 2/4 B.E (III & IV), 3/4 B.E (V & VI) & 4/4 B.E I & II Semesters and V & VI Semesters of MCA for the academic year 2018-2019

The ALMANAC for 2/4 B.E (III & IV semesters), 3/4 B.E (V & VI semesters) and 4/4 (I & II Semesters) and V & VI Semesters of MCA for the academic year 2018-2019 are given below:

BE III & V & 4/4 – I Semesters(16 Weeks)

	Name of the Item	Period
1	Subjects registration by students	From 16.07.2018 to 21.07.2018
2	Commencement of Instruction	23.07.2018
3	1 st Internal Test	09.09.2018 to 14.09.2018
4	Dasara Vacation	15.10.2018 to 20.10.2018
5	2 nd internal Test	13.11.2018 to 17.11.2018
6	Last date of instruction	17.11.2018
7	Preparation holidays and practical Examinations	19.11.2018 to 01.12.2018
8	Commencement of Theory Examinations	03.12.2018

BE IV & VI & 4/4 – II Semesters(16 Weeks)

1	Subjects registration by students	From 27.12.2018 to 29.12.2018
2	Commencement of Instruction	31.12.2018
3	1 st Internal Test	18.02.2019 to 21.02.2019
4	Euphoria & TechFest-2019	14-16th March,2019
5	2 nd Internal Test	17.04.2019 to 20.04.2019
6	Last date of instruction	20.04.2019
7	Preparation holidays and practical Examinations	22.04.2019 to 04.05.2019
8	Commencement of Theory Examinations	06.05.2019
9	Summer vacation (*)	01.05.2019 to 06.07.2019
10	Commencement of I Semester for the Academic year 2019-2020	15.07.2019

III SEMESTER MCA COURSE

1	Commencement of Instruction	30.07.2018
2	First Class Tests	19.09.2018 to 22.09.2018
3	Dasara Vacation	15.10.2018 to 20.10.2018
4	Second Class Tests	20.11.2018 to 24.11.2018
5	Last Date of Instruction	24.11.2018
6	Preparatory Holidays & Semester End Lab Examinations	26.11.2018 to 08.12.2018
7	Commencement of theory (Main & Suppl) examinations	10.12.2018

IV SEMESTER MCA COURSE

1	Commencement of Instruction	31.12.2018
2	First Internal Test	18.02.2019 to 20.02.2019
3	Euphoria & Tech Fest 2019	14-16 th March,2019
4	Second Internal Test	18.04.2019 to 20.04.2019
5	Last Date of Instruction	20.04.2019
6	Preparatory Holidays & Practical Examinations	22.04.2019 to 04.05.2019
7	Commencement of Theory examinations	06.05.2019
8	Summer Vacation (*)	-
9	Commencement of I Semester for the academic year 2019-20	15-07-2019

Academic Council approved the above ALMANAC for the year 2018-19 for second, third and fourth years (semester wise) of B.E programme and V and VI semesters of MCA programme.

4. Approval of Scheme of Instruction and Examination of B.E programme w.e.f the academic year 2018-19 as per AICTE model curriculum

The AICTE has recently announced the model curriculum guidelines to U.G and P.G programmes in Engineering, to be implemented from the academic year 2018-19 onwards. As per the guidelines, Scheme of Instruction and Examination of, B.E programmes w.e.f the academic year 2018-19 have been drafted. All the academic departments conducted meetings of Board of Studies (BoS) and taken approval for the scheme of Instruction and Examination.

The total credits of B.E programme in each branch of Engineering is fixed at 160.

The Heads of Departments concerned presented the Scheme of Instruction and Examination of all the four years of B.E programme to be implemented from the Academic Year 2018-19 onwards.

The Academic Council approved the Scheme of Instruction and Examination of B.E programme to be implemented w.e.f the academic year 2018-19.



5. **Approval of syllabi of Mathematics of B.E I to IV semesters w.e.f Academic Year 2018-19**

Dr. T. Sudhakar Rao, HoD, Mathematics, briefly presented the syllabi of Mathematics-I, Mathematics-II, Mathematics-III and Mathematics-II. He informed that the syllabi was approved by the Board of studies-Mathematics.

The Academic Council approved the syllabi of Mathematics papers offered by the Department of Mathematics to students of B.E programme during I to IV semesters w.e.f Academic Year 2018-19.

6. **Approval of syllabi of Physics (theory and Laboratory) for I and II semesters of B.E w.e.f Academic Year 2018-19**

The Head, Department of Physics, Prof. A.S. Saiprasad, presented the Physics (theory and Laboratory) syllabi of B.E I and II semesters to be implemented w.e.f Academic Year 2018-19. He informed that the Board of studies -Physics approved the syllabi in its meeting.

The Academic Council approved the syllabi of Physics (theory and Laboratory) offered by the Department of Physics to students of B.E programme in I and II semesters w.e.f Academic Year 2018-19.

7. **Approval of syllabi of Chemistry (theory and Laboratory) for I and II semesters of B.E w.e.f Academic Year 2018-19**

The in-charge Head, Department of Chemistry made a presentation on the contents of the syllabi of Chemistry (both theory and Laboratory) prescribed for B.E I and II semesters w.e.f Academic Year 2018-19. He informed that the syllabi was approved by the Board of studies-Chemistry.

The Academic Council approved the syllabi of Chemistry (theory and Laboratory) offered by the Department of Chemistry to students of B.E programme in I and II semesters w.e.f Academic Year 2018-19.

8. **Approval of syllabi of English (theory and Laboratory) for I and II semesters of B.E w.e.f Academic Year 2018-19**

The HoD, H&SS, Ms. Jacqueline, briefly made presentation on the BoS approved syllabi of English (both theory and Laboratory) prescribed for B.E I and II semesters w.e.f Academic Year 2018-19.

The Academic Council approved syllabi of English (theory and Laboratory) offered by the Department of H&SS to students of B.E programme in I and II semesters w.e.f Academic Year 2018-19.

9. **Approval of syllabi offered by the Department of CSE in I and II semesters of B.E as per the scheme of instruction w.e.f Academic Year 2018-19**

Prof. T. Adilakshmi, HoD, CSE presented the BoS approved syllabi for the courses "Programming for Problem Solving" (theory and Lab) and Object Oriented Programming through C++ (Theory and Lab) prescribed in B.E I and II semesters w.e.f Academic Year 2018-19.

The Academic Council approved the syllabi of Programming for Problem Solving" (theory and Lab) and Object Oriented Programming through C++ (Theory and Lab) prescribed in B.E I and II semesters as per the scheme of instruction w.e.f Academic Year 2018-19.

10. Approval of the syllabi offered by the Department of EEE in I and II semesters of B.E as per the scheme of instruction w.e.f Academic Year 2018-19

The HoD, EEE, Prof. M. Chakravarthy presented the BoS approved syllabi of Basic Electrical Engineering (Theory) and Basic Electrical Engineering (Lab) prescribed in B.E I and II semesters w.e.f Academic Year 2018-19

The Academic Council approved the syllabi of Basic Electrical Engineering (Theory) and Basic Electrical Engineering (Lab) offered by the department of EEE as per the scheme of instruction w.e.f the A.Y 2018-19.

11. Approval of the syllabi offered by the Department of Civil Engineering in I and II semesters of B.E as per the scheme of instruction w.e.f Academic Year 2018-19

The HoD, Civil Engineering Department, Prof. B. Sridhar made a brief presentation on the BoS approved syllabi offered by the Department of Civil Engineering prescribed in B.E I and II semesters w.e.f Academic Year 2018-19 on the following courses for various branches. :

- | | |
|-------------------------------|---------------------------|
| • Basic Engineering Mechanics | • Engineering Mechanics |
| • Engineering Drawing-I | • Engineering Drawing-II |
| • Engineering Graphics-I | • Engineering Graphics-II |

The Academic Council approved the syllabi of above courses offered by the Department of Civil Engineering prescribed in B.E I and II semesters as per the scheme of instruction w.e.f Academic Year 2018-19

12. Approval of the syllabi offered by the Department of Mechanical Engineering in I and II semesters of B.E as per the scheme of instruction w.e.f Academic Year 2018-19

Prof. G.V. Ramana Murty, HoD, Mechanical Engineering Department briefly presented the BoS approved syllabi as per the scheme of instruction prescribed in B.E I and II semesters w.e.f Academic Year 2018-19 for the Workshop manufacturing Process lab-I and Workshop manufacturing Process lab-II.

The Academic Council approved the syllabi of above courses offered by the Department of Mechanical Engineering prescribed in B.E I and II semesters as per the scheme of instruction w.e.f Academic Year 2018-19

13. Approval of the syllabi offered by the Department of ECE in II semesters of B.E as per the scheme of instruction w.e.f Academic Year 2018-19

The HoD, ECE Department, Prof. K. Jaya Shankar presented the BoS approved syllabi of Introduction to Electronics Engineering (theory) and Introduction to Electronics Engineering (Lab) prescribed in B.E II semesters as per the scheme of instruction w.e.f Academic Year 2018-19

The Academic Council approved the syllabi of above courses offered by the Department of ECE prescribed in B.E semester as per the scheme of instruction w.e.f Academic Year 2018-19.

14. Approval of the syllabi offered by the Department of Information Technology in the II semesters of B.E as per the scheme of instruction w.e.f Academic Year 2018-19

The HoD, IT Department, Dr. K. Rama Mohan Rao briefly presented the BoS approved syllabi of Data Structures (theory and lab) prescribed in B.E II semester w.e.f Academic Year 2018-19.

The Academic Council approved the syllabi of above courses offered by the Department of IT prescribed in B.E semester as per the scheme of instruction w.e.f Academic Year 2018-19.

15. Approval of Scheme of Instruction & Examination and syllabi of M.E programmes w.e.f the academic year 2018-19 as per AICTE model curriculum for the Following Departments

The Heads of the Departments of CSE, ECE, EEE and Mech presented the BoS approved Scheme of Instruction & Examination and syllabi of M.E/ M. Tech programmes to be implemented w.e.f the academic year 2018-19.

The Academic Council approved the Scheme of Instruction & Examination and syllabi of the following M.Tech/M.E programmes w.e.f the academic year 2018-19:

- M.TECH (CSE)
- M.E ECE (Embedded Systems & VLSI Design)
- M.E ECE (Communications & Signal Processing)
- M.E EEE (Power Systems and Power Electronics) and
- M.E Mechanical Engineering (Advanced Design & Manufacturing)

The members made the following suggestions:

- Every department shall prepare a list of professional electives and open electives courses semester wise.
- Conduct of CIE question paper auditing either by utilizing the services of both internal and external subject experts.

16. Approval of Academic Rules and Regulations (VCE-2018-19) to be implemented for the batch of Students taking admissions w.e.f. 2018-19.

The curriculum is revised as per the AICTE Model Curriculum guidelines, the academic regulations for the batch of students taking admission into the college w.e.f academic year 2018-19 will come under the new academic guidelines namely "Academic Regulations (VCE-2018-19)". The Principal and Chairman of Academic Council Prof. S.V. Ramana placed the Regulation before the members of the Academic Council for discussion and approval.

The Academic Council approved the Academic Rules and Regulations (VCE-2018-19) for the batch of Students taking admissions w.e.f. 2018-19 onwards.

17. **Approval of the "Induction Program" for the students as per AICTE Model Curriculum guidelines from the Academic Year 2018-19 onwards.**

As per AICTE Model Curriculum guidelines, three weeks "Induction program" shall be mandatorily conducted to the students w.e.f academic year 2018-19. It is proposed to conduct the three weeks "Induction program" that includes 'know your campus, visits to departments, laboratories, library, conduct of foundation courses, cultural activities etc.

The Academic Council approved the conduct of three week induction program as described, w.e.f academic year 2018-19


18. **Approval to the modalities of offering B.E (Honours) programme as per AICTE Model Curriculum guidelines from 2018-19 onwards.**

As per the AICTE Model Curriculum guidelines, there is a provision to offer B.E (Honours) programme. The curriculum for any Branch of study of B.E programme is designed to have total credits 160 to acquire regular degree. In addition, if the student is interested to obtain B.E (Honours) degree, he or she has to acquire additional 20 credits as prescribed by the College. The college in principle prepared to offer B.E (Honours) programme.

The Academic Council has approved to offer B.E (Honours) programme by the college. The members suggested to prepare the draft guidelines for opting B.E (Honours) course by the students.

The 10th Academic council meeting has been concluded with the Chairman thanking all the members.


Dr. G. Ramadevudu
Member-Secretary
Academic Council


Prof. S.V. Ramana
Principal and
Chairman, Academic Council



VASAVI COLLEGE OF ENGINEERING (Autonomous)

Ibrahimbagh, Hyderabad – 500 031

**Minutes of the 11th meeting of Academic Council held at
10.00 a.m. on 10.06.2019 (Monday)**

Members present:

1.	Dr. S.V. Ramana, Principal, VCE	: Chairman
2.	Dr. Shobhan Babu, Asso. Prof., IIT-Hyd.	: Member
3.	Dr. Rajeev Wankar, Professor Dept. of Computer Science & Information Sciences, University of Hyderabad	: Member
4.	Dr. M. Kumar, Principal Dept. of Civil Engineering, UCE, OU, Hyd.	: University Nominee & Member
5.	Mr. M. Ranganath, Sr. Manager, Deloitte, Hyd.	: Member
6.	Dr. A. Venu Gopal, Professor, Dept. of Mech. Engg., NIT-Warangal	: Member
7.	Dr. D.M. Vinod Kumar, Professor (HAG), Dept. of EEE, NIT-Warangal	: Member
8.	Prof. (Dr.) Y.F. Jaya Kumar, Principal, Pendekanti Law College, Hyd.	: Member
9.	Dr. B. Sridhar, HoD-Civil Engg., VCE	: Member
10.	Dr. T. Adi Lakshmi, HoD-CSE, VCE	: Member
11.	Dr. E. Sreenivasa Rao, HoD-ECE, VCE	: Member
12.	Dr. M. Chakravarthy, HoD-EEE, VCE	: Member
13.	Dr. K. Ram Mohan Rao, HoD-IT, VCE	: Member
14.	Dr. G.V. Ramana Murty, Professor, Dept. of Mech. Engg., & Director (A & A), VCE	: Member
15.	Dr. N. Vasudha, Asso. Prof., Dept. of Mathematics, VCE	: Member
16.	Dr. A.S. Sai Prasad, HoD-Physics, VCE	: Member
17.	Dr. P. Venu Gopal, HoD-Chemistry, VCE	: Member
18.	Dr. Jacqueline Amaral, HoD-H&SS, VCE	: Member
19.	Ms. Ch. V.S.S. Sailaja, Asso. Prof., Dept. of EEE, VCE	: Member-Secretary

The following members of the Academic Council could not attend the meeting:

1. Dr. K. Shyamala, Professor, Dept. of CSE, Osmania University, Hyderabad.
2. Dr. B. Rajendra Naik, Professor, Dept. of ECE, UCE, O.U., Hyderabad
3. Dr. V. Sudhakar, Professor, Department of Education, The English and Foreign Languages University, Hyderabad.

Prof. S.V. Ramana, Principal & Chairman, Academic Council, presided over the meeting.

The following items on the agenda were taken up for consideration:

1. Confirmation of the minutes of the 10th meeting of the Academic Council held on 29.05.2018:

The minutes of the 10th meeting of the Academic Council held on 29.05.2018 were read and confirmed.

2. Approval of the action taken on the resolutions of the Academic Council meeting held on 29.05.2018:

Agenda item No.	Action Taken
Item.15: Members suggested to prepare list of Professional Elective & Open Elective courses semester-wise.	Each department has prepared the list of Professional Elective & Open Elective courses semester-wise and kept in the respective Schemes of Instruction & Examination.
Item No. 18: Members suggested to prepare draft guidelines for introducing B.E (Honors) Programme.	Draft guidelines for introducing B.E (Honors) Programme are under preparation and will be presented in the next meeting.

The Academic Council has noted the above and resolved to approve the action taken on the item No.15 and advised to prepare the guidelines for introducing B.E (Honors) Programme at the earliest.

3. Approval for the Almanac of 2/4 B.E (III & IV-Semesters), 3/4 B.E (V & VI-Semesters), 4/4 B.E (VII & VIII-Semester), M.E/M.Tech (III to IV-Semesters) and MCA (V & VI-Semesters) Programmes for the academic year 2019-20:

The Academic Council reviewed and approved the following Almanac for 2/4 B.E (III & IV-Semesters), 3/4 B.E (V & VI-Semesters), 4/4 B.E (VII & VIII-Semester), M.E/M.Tech (III to IV Semesters) and MCA (V & VI-Semesters) Programmes for the academic year 2019-20:

B.E. III, V & VII-Semesters:		
S No.	Name of the Item	Period
1	Subjects registration by students	From 15.07.2019 to 20.07.2019
2	Commencement of Instruction	22.07.2019
3	1 st Internal Test	09.09.2019 to 14.09.2019
4	Parent- Teacher Meeting	21.09.2019
5	Dasara Vacation	07.10.2019 to 12.10.2019
6	2 nd internal Test	12.11.2019 to 16.11.2019
7	Last date of instruction	16.11.2019
8	Preparation holidays and practical Examinations	18.11.2019 to 30.11.2019
9	Commencement of Theory Examinations	02.12.2019

B.E. IV , VI & VIII-Semesters:		
S No.	Name of the Item	Period
1	Subjects registration by students	From 23.12.2019 to 28.12.2019
2	Commencement of Instruction	30.12.2019
3	1 st Internal Test	10.02.2020 to 14.02.2020
4	Parent- Teacher Meeting	07.03.2020
5	Euphoria & TechFest-2020	27.02.2020 to 29.02.2020
6	2 nd Internal Test	13.04.2020 to 18.04.2020
7	Last date of instruction	18.04.2020
8	Preparation holidays and practical Examinations	20.04.2020 to 02.05.2020
9	Commencement of Theory Examinations	04.05.2020
10	Summer vacation	04.05.2020 to 11.07.2020
11	Commencement of I Semester for the Academic year 2020-2021	20.07.2020
M.E/M.Tech III-Semester (16 weeks):		
S No.	Name of the Item	Period
1	Orientation and Briefing session for registration of subjects	22.08.2019 to 24.08.2019
2	Commencement of Instruction	26.08.2019
3	First Class Test	19.10.2019
4	Dasara Vacation	07.10.2019 to 12.10.2019
5	Second Class Test	21.12.2019
6	Project Seminar (Presentation & Evaluation)	16.12.2019 to 19.12.2019
7	Last date of Instruction	21.12.2019
8	Display of attendance and Sessional Marks	24.12.2019
9	Theory Exams	06.01.2020 to 10.01.2020
10	Declaration of results	25.01.2020
11	Make-up Exams	03.02.2020 to 08.02.2020
M.E/M.Tech IV-Semester (16 weeks):		
S No.	Name of the Item	Period
1	Registration	20.01.2020
2	Euphoria & TechFest-2020	27.02.2020 to 29.02.2020
3	Project Seminar (Presentation & Evaluation)	--
4	Last date for submission of Draft dissertation	08.05.2020
5	Pre-submission Viva Voce Exam.	11.05.2020 to 16.05.2020
6	Submission of approved thesis of the students for External Evaluation	12.06.2020
7	Conduct of External Viva-Voce	22.06.2020 to 27.06.2020
8	Pre-submission Viva-Voce Examination(for Late Submission)	21.09.2020 to 26.09.2020
9	Conduct of External Viva-Voce Examination(for late Submission)	05.10.2020 to 09.10.2020

V-Semester MCA Programme:		
S No.	Name of the Item	Period
1	Commencement of Instruction	22.07.2019
2	First Internal Tests	13.09.2019 & 14.09.2019
3	Dasara Vacation	07.10.2019 to 12.10.2019
4	Second Internal Tests	14.11.2019 & 16.11.2019
5	Last Date of Instruction	16.11.2019
6	Preparatory Holidays & Practical Examinations	18.11.2019 to 30.11.2019
7	Commencement of Theory Exams.	02.12.2019
VI-Semester MCA Programme:		
S No.	Name of the Item	Period
1	Commencement of Instruction	30.12.2019
2	Euphoria & TechFest 2020	27.02.2020 to 29.02.2020
3	Last Date of Instruction	18.04.2020
4	Project Seminar/Lab schedule will be given during semester	-
5	Project Viva – Voce Examinations	24.04.2020 to 25.04.2020
6	Summer vacation	01.05.2020 to 11.07.2020
7	Commencement of Supplementary Examinations	27.04.2020

4. Approval for the revised total credit requirement for the award of B.E Degree from 161 to 162 credits for all B.E students admitted from the academic year 2018-19 onwards:

It was noted that, based on the suggestions made by the BoG during its meeting held on 30.06.2019, the credits for "Engineering Drawing" & "Engineering Graphics" courses of I & II-Semesters have been revised from 1.5 to 2 and accordingly, the total credit requirement for the award of the B.E. Degree has been revised from 160 to 161.

Also noted that in order to lay more emphasis on "Experiential Learning", the College has proposed to offer Theme-Based Project with "One-Credit" weightage during VI-Semester of B.E. Programmes for the students admitted from the academic year 2018-19 onwards and accordingly the total credit requirement for the award of B.E. Degree will revise from 161 to 162.

The Academic Council approved "One-Credit" weightage to Theme-Based Project" and for revising total credit requirement for the award of degree from 161 to 162 applicable for the students admitted from the academic year 2018-19..

5. Review and approval of the revised Rules & Academic Regulations with regard to Open Electives:

- a) To make the Open Electives offered by the Departments of Physics and Chemistry on a "Optional " instead of "Compulsory" for all B.E Programmes for the students admitted from 2017-18 onwards:

Principal informed the members that, after thorough discussions in the Academic Committee and also by considering the feedback of the students, it is proposed to give more freedom to the students in the selection of Open Electives by removing the condition of acquiring a minimum of 3-Credits put-together from Open Elective courses being offered by the Departments of Physics and

Chemistry, to the students admitted from or after 2017-2018. He also informed that, this revision, however, will not change the total number of 11-Credits to be acquired through Open Electives during III to VI-Semesters of B.E. Programme by the students.

Academic Council approved the proposal.

- b) To offer Open Electives with a weightage of 2-Credits during III-Semester and 3-Credits during IV, V and VI-Semesters for all B.E Programmes from the academic year 2018-19 onwards:

Principal informed that by considering the feedback of the students, it is proposed to discontinue Open Electives with One-Credit weightage and to offer only 2 or 3 credit weightage courses during III to VI-Semesters of B.E. Programme.

Academic Council approved the proposal.

6. Approval for the revised Rules & Regulations for offering "Theme-Based Project" course with ONE-Credit weightage to the students admitted from the academic year 2018-19 onwards:

The Principal informed the members that in concurrence with the agenda item No.4 (b), it is proposed to give One-Credit weightage to Theme-Based Project which is to be offered during VI-Semester for the students admitted from the Academic Year 2018-19 onwards.

The Academic Council approved the proposal.

7. Approval of the Scheme of Instruction & Examination and Syllabi of the following B.E. Programmes:

a) B.E. (Civil Engineering):

- i) Scheme of Instruction & Examination for I to VIII-Semesters and Syllabi for I & II-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination for III to VIII-Semesters and Syllabi for III & IV-Semesters for the students admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination for V to VIII-Semesters and Syllabi for V & VI-Semesters for the students admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for VII & VIII-Semesters for the students admitted in the academic year 2016-17.

b) B.E. (Computer Science & Engineering):

- i) Scheme of Instruction & Examination for I to VIII-Semesters and Syllabi for I & II-Semesters for the students to be admitted from the academic year 2019-20.

- ii) Scheme of Instruction & Examination for III to VIII-Semesters and Syllabi for III & IV-Semesters for the students admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination for V to VIII-Semesters and Syllabi for V & VI-Semesters for the students admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for VII & VIII-Semesters for the students admitted in the academic year 2016-17.

c) B.E. (Electronics & Communication Engineering):

- i) Scheme of Instruction & Examination for I to VIII-Semesters and Syllabi for I & II-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination for III to VIII-Semesters and Syllabi for III & IV-Semesters for the students admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination for V to VIII-Semesters and Syllabi for V & VI-Semesters for the students admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for VII & VIII-Semesters for the students admitted in the academic year 2016-17.

d) B.E. (Electrical & Electronics Engineering):

- i) Scheme of Instruction & Examination for I to VIII-Semesters and Syllabi for I & II-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination for III to VIII-Semesters and Syllabi for III & IV-Semesters for the students admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination for V to VIII-Semesters and Syllabi for V & VI-Semesters for the students admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for VII & VIII-Semesters for the students admitted in the academic year 2016-17.

e) B.E. (Information Technology):

- i) Scheme of Instruction & Examination for I to VIII-Semesters and Syllabi for I & II-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination for III to VIII-Semesters and Syllabi for III & IV-Semesters for the students admitted in the academic year 2018-19.

- iii) Scheme of Instruction & Examination for V to VIII-Semesters and Syllabi for V & VI-Semesters for the students admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for VII & VIII-Semesters for the students admitted in the academic year 2016-17.

f) B.E. (Mechanical Engineering):

- i) Scheme of Instruction & Examination for I to VIII-Semesters and Syllabi for I & II-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination for III to VIII-Semesters and Syllabi for III & IV-Semesters for the students admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination for V to VIII-Semesters and Syllabi for V & VI-Semesters for the students admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for VII & VIII-Semesters for the students admitted in the academic year 2016-17.

g) Department of Mathematics:

- i) Scheme of Instruction & Examination and Syllabi for the courses to be offered during I to VI-Semesters for the students of all B.E. Programmes to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during III to VI-Semesters for the students of all B.E. Programmes admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during V & VI-Semesters for the students of all B.E. Programmes.
- iv) Scheme of Instruction & Examination and Syllabi for the courses to be offered during I & II-Semesters for the students of all M.E/M.Tech. Programmes to be admitted from the academic year 2019-20.

h) Department of Physics:

- i) Scheme of Instruction & Examination and Syllabi for the courses to be offered during I to VI-Semesters for the students of all B.E. Programmes to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during III to VI-Semesters for the students of all B.E. Programmes admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during V & VI-Semesters for the students of all B.E. Programmes admitted in the academic year 2017-18.

i) Department of Chemistry:

- i) Scheme of Instruction & Examination and Syllabi for the courses to be offered during I to VI-Semesters for the students of all B.E. Programmes to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during III to VI-Semesters for the students of all B.E. Programmes admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during V & VI-Semesters for the students of all B.E. Programmes admitted in the academic year 2017-18.

j) Department of H & SS:

- i) Scheme of Instruction & Examination and Syllabi for the courses to be offered during I to VII-Semesters for the students of all B.E. Programmes to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during III to VII-Semesters for the students of all B.E. Programmes admitted in the academic year 2018-19.
- iii) Scheme of Instruction & Examination and Syllabi for the courses to be offered during V to VII-Semesters for the students of all B.E. Programmes admitted in the academic year 2017-18.
- iv) Scheme of Instruction & Examination and Syllabi for the courses to be offered during I & II-Semesters for the students of all M.E./M.Tech. Programmes to be admitted from the academic year 2019-20.

The members have reviewed the Scheme of Instruction & Examination and Syllabi for each of the item mentioned above and approved the same. However, the members of the Academic Council suggested to revise the title of "Physics Laboratory Courses" as per the syllabi of Physics Theory Courses.

8. Review and approval of Scheme of Instruction & Examination and Syllabi following for all M.E/M.Tech. Programmes as mentioned against each item:

a) M.Tech – CSE (Computer Science & Engineering):

- i) Scheme of Instruction & Examination and Syllabi of I to IV-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi of III & IV-Semesters for the students admitted in the academic year 2018-19.

b) M.E – ECE (Embedded Systems & VLSI Design):

- i) Scheme of Instruction & Examination and Syllabi of I to IV-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi of III & IV-Semesters for the students admitted in the academic year 2018-19.

c) M.E – ECE (Communication Engineering & Signal Processing):

- i) Scheme of Instruction & Examination and Syllabi of I to IV-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi of III & IV-Semesters for the students admitted in the academic year 2018-19.

d) M.E – EEE (Power Systems & Power Electronics):

- i) Scheme of Instruction & Examination and Syllabi of I to IV-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi of III & IV-Semesters for the students admitted in the academic year 2018-19.

e) M.E – Mech. (Advanced Design & Manufacturing):

- i) Scheme of Instruction & Examination and Syllabi of I to IV-Semesters for the students to be admitted from the academic year 2019-20.
- ii) Scheme of Instruction & Examination and Syllabi of III & IV-Semesters for the students admitted in the academic year 2018-19.

The members have reviewed the Scheme of Instruction & Examination and Syllabi for each of the item mentioned above and approved the same.

9. Ratification of the condonation and detention of the students based on minimum attendance requirement of acquiring (65-74%) attendance for all odd and even semesters of B.E, M.E/M.Tech and MCA Programmes:

The Principal informed the members that as per the eligibility criteria in vogue to appear for Semester End Examination, a student shall put in a minimum attendance of 75% and the students having attendance between 65% & 74% should submit a valid medical certificate to get eligibility under medical condonation. The following number of students were given medical condonation for the academic year 2018-19 (Odd and Even semesters).

List of eligible candidates for medical condonation in Odd-Semester of B.E Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of Students under medical condonation			
		I-Sem.	III-Sem.	V-Sem.	4/4 EEE I- Sem.
1	Civil Engineering	---	3	4	5
2	Computer Science & Engg.	---	3	1	4
3	Electronics & Communication Engg.	---	2	2	41
4	Electrical & Electronics Engg.	1	1	---	14
5	Information Technology	---	6	4	22
6	Mechanical Engineering	2	10	2	43
	Total	3	25	13	129

List of eligible candidates for medical condonation in odd semester of M.E./M.Tech/MCA Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of Students under medical condonation		
		I-Sem.	III-Sem.	V-Sem.
1	M.Tech (CSE) Computer Science Engineering	6	---	---
2	M.E.(ECE) (Embedded Systems & VLSI Design) : III-Semester Course	12	2	---
3	M.E.(ECE)- Communication Engineering & Signal Processing : III-Semester Course	4	---	---
4	M.E. (EEE) – Power Systems & Power Electronics : III-Semester Course	2	---	---
5	M.E. (Mech.) – Advanced Design & Manufacturing : III-Semester Course	7	---	---
6	MCA	---	2	1
Total		31	4	1

List of eligible candidates for medical condonation in even semester of B.E. Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of Students under medical condonation			
		II-Sem.	IV-Sem.	VI-Sem.	4/4 EEE II-Sem.
1	Civil Engineering	2	7	3	2
2	Computer Science & Engg.	1	1	4	4
3	Electronics & Communication Engg.	1	6	2	10
4	Electrical & Electronics Engg.	1	6	4	7
5	Information Technology	2	7	11	15
6	Mechanical Engineering	4	14	13	16
Total		11	41	37	54

List of eligible candidates for medical condonation in even semester of M.E./M.Tech/MCA Programmes (all branches) for the year 2018-19:

S No.	Branch	No. of Students under medical condonation		
		II-Sem.	IV-Sem.	VI-Sem.
1	M.Tech (CSE) Computer Science Engineering	---	---	---
2	M.E.(ECE) (Embedded Systems & VLSI Design) : III-Semester Course	3	---	---
3	M.E.(ECE)- Communication Engineering & Signal Processing : III-Semester Course	3	---	---
4	M.E. (EEE) – Power Systems & Power Electronics : III-Semester Course	5	---	---
5	M.E. (Mech.) – Advanced Design & Manufacturing : III-Semester Course	4	---	---
6	MCA	---	1	---
Total		15	1	NIL

As per autonomous rules and regulations in vogue in respect of required percentage of marks and attendance, students having less than 40% of aggregate sessional marks and attendance less than 65% for the academic year 2018-2019 are detained. They were advised to repeat the same course in the next academic year by paying the required tuition fee. Following are the details of detained students:

List of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%) for Odd-Semester of B.E Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%).			
		I-Sem.	III-Sem.	V-Sem.	4/4 EEE I- Sem.
1	Civil Engineering	---	---	---	---
2	Computer Science & Engg.	---	---	---	---
3	Electronics & Communication Engg.	---	---	1	---
4	Electrical & Electronics Engg.	1	2	---	---
5	Information Technology	---	3	---	---
6	Mechanical Engineering	1	---	---	2
Total		02	05	01	02

List of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%) for Odd-Semester of M.E./M.Tech/MCA Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%).		
		I-Sem.	III-Sem.	V-Sem.
1	M.Tech (CSE) Computer Science Engineering	2	---	---
2	M.E.(ECE) (Embedded Systems & VLSI Design) : III-Semester Course	3	1	---
3	M.E.(ECE)- Communication Engineering & Signal Processing : III-Semester Course	---	---	---
4	M.E. (EEE) – Power Systems & Power Electronics : III-Semester Course	---	---	---
5	M.E. (Mech.) – Advanced Design & Manufacturing : III-Semester Course	2	---	---
6	MCA	---	2	1
Total		07	03	01

List of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%) for Even-Semester of B.E Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%).			
		II-Sem.	IV-Sem.	VI-Sem.	4/4 EEE II-Sem.
1	Civil Engineering	1	1	---	---
2	Computer Science & Engg.	---	1	---	---
3	Electronics & Communication Engg.	---	2	---	---
4	Electrical & Electronics Engg.	---	1	---	---
5	Information Technology	---	1	---	---
6	Mechanical Engineering	2	9	1	---
Total		03	15	01	Nil

List of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%) for Even-Semester of M.E./M.Tech/MCA Programmes (all branches) for the year 2018-2019:

S No.	Branch	No. of students detained due to lack of attendance and/or shortage of aggregate percentage of sessional marks (i.e Less than 40%).		
		II-Sem.	IV-Sem.	VI-Sem.
1	M.Tech (CSE) Computer Science Engineering	---	---	---
2	M.E.(ECE) (Embedded Systems & VLSI Design) : III-Semester Course	---	---	---
3	M.E.(ECE)- Communication Engineering & Signal Processing : III-Semester Course	---	---	---
4	M.E. (EEE) – Power Systems & Power Electronics : III-Semester Course	2	---	---
5	M.E. (Mech.) – Advanced Design & Manufacturing : III-Semester Course	---	---	---
6	MCA	---	---	---
Total		2	---	---

Academic Council approved and ratified the above list of students for medical condonation & detention.

10. Ratification of the re-admission of students into CBCS Regulations during the academic year 2018-19:

The Principal informed that the Promotion & Re-admissions Committee during its meeting has analyzed the course status of readmitted students as per the Transitory Regulations and the following students were directed to pursue the courses pertaining to previous semesters in addition to the courses of ongoing semester of the academic year 2018-2019:

Sl. No.	Name of the student	H.T. No.	Branch/Section, in which Readmission/Promotion given	Semester-wise courses prescribed due to backlogs/uncovered/exempted courses
1	B VIJAY KUMAR	1602-15-732-059	V-Sem-Civil	Backlogs : M-III(III Sem), SM-II, Surveying -II, FM-I, ET(Part-A)IV Sem Uncovered courses: NIL Exempted courses: NIL
2	T KIRAN KUMARI	1602-14-733-018	V-Sem- CSE	Backlogs : NIL Uncovered courses: OS, OS Lab Exempted courses: MPI, MPI Lab
3	D. SAI RAM	1602-14-733-311	4/4 I-Sem-CSE	Backlogs : PPL, MEA, COCO Uncovered courses: NIL Exempted courses: NIL
4	N. SAI MANISH REDDY	1602-14-733-037	4/4 I-Sem-CSE	Backlogs : MEA, ISM Uncovered courses: NIL Exempted courses: NIL
5	A SRINIVAS ANURAGH	1602-14-734-311	4/4 I-Sem-EEE	Backlogs : PE (3/4-IS), DSP, EM-II, PE Lab (3/4-II Sem) Uncovered courses: NIL Exempted courses: NIL
6	M NIKHIL MYTHRA	1602-14-734-030	4/4 I-Sem-EEE	Backlogs : PE (3/4- IS), DSP(3/4-IIS) Uncovered courses: NIL Exempted courses: NIL
7	B YUVA KIRAN	1602-16-735-120	III-Sem-ECE	Backlogs : OOP Using C++(II Sem) Uncovered courses: NIL Exempted courses: NIL
8	KONDREDDY MAHENDER	1602-16-735-078	III-Sem-ECE	Backlogs : NIL Uncovered courses: NIL Exempted courses: NIL
9	V NISCHITH KUMAR REDDY	1602-16-735-027	III-Sem-ECE	Backlogs : BEE, EG-I(I Sem) Uncovered courses: NIL Exempted courses: NIL
10	DOLU VIJAY	1602-15-735-114	V-Sem-ECE	Backlogs : M-IV, AEC, NTL, SATT, PDSC (IV Sem) Uncovered courses: NIL Exempted courses: Nil

Sl. No.	Name of the student	H.T. No.	Branch/Section, in which Readmission/ Promotion given	Semester-wise courses prescribed due to backlogs/uncovered/ exempted courses
11	P SIVA TEJA	1602-15-735-045	V-Sem-ECE	Backlogs : M-III (III Sem), M-IV & SATT (IV Sem) Uncovered courses: NIL Exempted courses: NIL
12	N. SREENU	1602-14-735-312	4/4 II Sem-ECE	Backlogs : NIL Uncovered courses: NIL Exempted courses: NIL
13	K SAKETH GARGEYA	1602-15-736-042	V-Sem-Mech	Backlogs: TD,MOM,MMS,ECM,ATD, KOM Uncovered courses: ES Exempted courses: NIL
14	MD MUNEEB ALI	1602-15-736-082	V-Sem-Mech	Backlogs : M-IV, KOM, (II Yr) Uncovered courses: ES Exempted courses: NIL
15	P BHAVANA SRI	1602-14-736-309	4/4 I-Sem-MECH	Backlogs : NIL Uncovered courses: NIL Exempted courses: NIL
16	Y. VENKAT ASHISH	1602-14-736-008	4/4 I-Sem-MECH	Backlogs : DME, RAC (III /I) MV, HT (III/II) Uncovered courses: NIL Exempted courses: NIL
17.	POLEPAKA B MANISH BABU	1602-13-737-076	4/4 I-Sem-IT	Backlogs : M-II, BEE, IT Workshop (I Year); FS-III, TS, MEA(3Yr) Uncovered courses: NIL Exempted courses: NIL
18	CH. BHAVANA	1602-13-737-070	4/4 I-Sem-IT	Backlogs : Chemistry-I, EM-I, EG-I, M-II, Chemistry-II, BEE, EG-II(I Year) S&S, PRP, DAA(II Year) DSP, TOA, MEA, Compiler Construction (3 Year) Uncovered courses: NIL Exempted courses: NIL

The Academic Council approved and ratified the above list of students for re-admission into the respective programmes under CBCS Regulations during the academic year 2018-19

11. Ratification of the student results of odd semester for all B.E and M.E/M.Tech Programmes:

BE – I Year I-Semester Result Analysis (After RV) – 2018-2019:

S No.	Branch	Total Appeared	Total Passed	Pass Percentage
1	CSE-A	61	56	91.80
2	CSE-B	60	58	96.67
3	ECE-A	60	58	96.67
4	ECE-B	60	51	85.00
5	EEE	60	45	75.00
6	Mechanical-A	60	33	55.00
7	Mechanical-B	59	38	64.41
8	Civil	62	42	67.74
9	IT-A	60	54	90.00
10	IT-B	59	51	86.44
Total (After RV) 2018-2019		601	486	80.87
Total (Before RV) 2018-2019		601	479	79.70
Total (After RV) 2017-2018		602	459	76.25
Total (Before RV) 2017-2018		602	454	75.42

BE – II Year III-Sem Result analysis (After RV) – 2018-2019:

S No.	Branch	Total Appeared	Total Passed	Pass Percentage
1	CSE-A	73	68	93.15
2	CSE-B	72	62	86.11
3	ECE-A	73	66	90.41
4	ECE-B	73	66	90.41
5	EEE	70	53	75.71
6	Mechanical-A	71	48	67.61
7	Mechanical-B	69	45	65.22
8	Civil	76	62	81.58
9	IT-A	71	56	78.87
10	IT-B	71	56	78.87
Total (After RV) 2018-2019		719	582	80.95
Total (Before RV) 2018-2019		719	572	79.55
Total (After RV) 2017-2018		711	606	85.23
Total (Before RV) 2017-2018		711	600	84.39

BE – III Year V-Sem Result analysis (After RV)- 2018-2019:

S No.	Branch	Total Appeared	Total Passed	Pass Percentage
1	CSE-A	73	71	97.26
2	CSE-B	71	68	95.77
3	ECE-A	71	62	87.32
4	ECE-B	71	67	94.37
5	EEE	72	66	91.67
6	Mechanical-A	73	65	89.04
7	Mechanical-B	65	55	84.62
8	Civil	72	57	79.17
9	IT-A	71	56	78.87
10	IT-B	66	57	86.36
Total (After RV) 2018-2019		705	624	88.51
Total (Before RV) 2018-2019		705	610	86.52
Total (After RV) 2017-2018		704	610	86.65
Total (Before RV) 2017-2018		704	602	85.51

BE – 4 Year I-Semester Result analysis (After RV) – 2018-2019:

S No.	Branch	Total Appeared	Total Passed	Pass Percentage
1	CSE-A	72	69	95.83
2	CSE-B	70	67	95.71
3	ECE-A	69	66	95.65
4	ECE-B	70	67	95.71
5	EEE	76	66	86.84
6	Mechanical-A	66	58	87.88
7	Mechanical-B	67	62	92.54
8	Civil	68	65	95.59
9	IT-A	70	65	92.86
10	IT-B	74	64	86.49
Total (After RV) 2018-2019		702	649	92.45
Total (Before RV) 2018-2019		702	637	90.74
Total (After RV) 2017-2018		687	653	95.05
Total (Before RV) 2017-2018		687	643	93.60

M.E./M. Tech I-Year I-Semester (Main) Result Analysis – 2018 – 2019:

S No.	Branch	No. of Candidates Registered	No. of Candidates Passed	Pass Percentage
1	M.E. – ADM	11	6	54.55
2	M.E. – ESVLSID	13	7	53.85
3	M.E. – CESP	11	7	63.64
4	M.E. – PSPE	17	12	70.59
5	M.Tech. CSE	12	12	100.00
	Total	64	44	68.75

M.E./M. Tech II Year – III Semester (Main) Result Analysis – 2018 – 2019:

S No.	Branch	No. of Candidates Registered	No. of Candidates Passed	Pass Percentage
1	M.E. – ADM	15	15	100.00
2	M.E. – ESVLSID	11	11	100.00
3	M.E. – CESP	9	9	100.00
4	M.E. – PSPE	14	14	100.00
5	M.Tech. CSE	15	15	100.00
	Total	64	64	100.00

MCA – III-Semester Result analysis After RV – 2018-2019:

S No.	Branch	Total Appeared	Total Passed	Pass Percentage
1	MCA	47	39	82.97

MCA – V-Semester Result analysis After RV – 2018-2019:

S No.	Branch	Total Appeared	Total Passed	Pass Percentage
1	MCA	42	41	97.61

The Academic Council approved and ratified the odd semester results of all B.E and M.E/M.Tech and MCA Programmes.

12. Status on campus placements for the academic year 2018-19:

The Principal informed the members about the status of UG and PG students campus placements for the academic year 2018-19 batch as follows:

UG (B.E.) Campus placements details (2018-19) – As on 03.05.2019

S No.	Branch	Strength	No. of eligible students	Gross Selection	Net selection	% of Selection
1	CSE	142	133	204	127	95.49
2	ECE	142	133	175	117	87.97
3	EEE	72	60	65	45	75.00
4	IT	140	120	177	107	89.17
5	Mech.	138	100	83	57	57.00
6	Civil	68	55	31	24	43.64
	Total	702	601	735	477	79.53
<p>➤ No. of students with 1 offer : 309</p> <p>➤ No. of students with 2 offers : 99</p> <p>➤ No. of students with 3 offers : 53</p> <p>➤ No. of students with 4 offers : 11</p> <p>➤ No. of students with 5 offers : 5</p> <p style="text-align: right;">Net Selections : 477</p>						

PG (M.E./M.Tech & MCA) Campus placements details (2018-19):

S No.	Branch	Strength	No. of eligible students	Gross Selection	Net selection	% of Selection
1	CSE	16	15	7	8	46.67
2	ECE(ES&VLSID)	17	9	10	6	66.67
3	ECE(CE&SP)	10	10	---	---	---
4	EEE(PS&PE)	17	14	---	---	---
5	Mech (ADM)	16	13	1	1	7.69
6	MCA	42	28	18	17	60.71
<p>➤ No. of students with 1 offer : 17</p> <p>➤ No. of students with 2 offers : 4</p> <p>➤ No. of students with 3 offers : 1</p> <p style="text-align: right;">Net Selections : 32</p>						

After having gone through the data on students' placements as indicated above, the members appreciated the efforts made by the College in achieving good campus placements.

13. Status of NIRF Ranking for the year 2019:

It was noted that the College has participated in NIRF-2019 process of MHRD, Govt. of India and secured 170th Rank out of 200 ranks announced.

14. Status of R&D and Consultancy activities of the College:

Academic Council has reviewed and noted the efforts made by the College towards R & D and Consultancy which are as follows:

R & D Projects:

Year	No. of proposals submitted	Total budget (Rs. in lakhs)	No. of projects Sanctioned	Total amount sanctioned (Rs. in lakhs)	No. of projects Ongoing/cost	No. of projects Completed/cost
2017-18	14	156.96	03	27.44	1/(Rs.1.70 lakhs)	2/(Rs.10.00 lakhs)
2018-19	13	642.32	01	60.00	Nil	Nil

Consultancy works:

Following is the summary of consultancy works handled by VCE during 2017-18 and 2018-19 (till date):

Year	No. of consultancy projects	Total value (Rs. lakhs)	Status
2017-18	19	9.90	Completed
2018-19	31	22.50	Completed

15. Status of NAAC-SSR Submission process:

It was noted that the College has submitted its NAAC-SSR on 04.06.2019 and Student Satisfaction Survey & DVV procedure (Data Verification & Validation) by NAAC has started thereafter.

16. Department level achievements:

It was noted that following are the achievements of the students, faculty of the College:

A) Faculty achievements:**List of faculty awarded with Ph.D:**

- Ms. P. Sukanya, Asst. Professor of Chemistry – from JNTU-Hyderabad.
- Ms. V. Sireesha, Asst. Professor of CSE – from Andhra University, Waltair, Andhra Pradesh.
- Mr. P. Venkateswara Rao, Asso. Professor of Mechanical Engineering - from Osmania University.
- Mr. K. Shyam Sunder Reddy, Asst. Professor of I.T. – from JNTU-Ananthapur.

List of faculty who have submitted Ph.D Thesis:

- Ms. Ch. V.S.S. Sailaja, Associate Professor, Department of EEE, submitted her Ph.D thesis to Osmania University.
- Ms. G. Pranava, Assistant Professor, Department of EEE, submitted her Ph.D thesis to JNTU-Hyderabad.
- Ms. K. Deepthi, Assistant Professor, Department of ECE, submitted her Ph.D thesis to Osmania University.

Notable awards received by students:

- A 3-Member CSE students' team won 1st prize in the National-Level Hackathon.
- An 8-Member I.T. students' team won 1st prize and also won 3rd prize in KONY-AMWAY App Playground Hackathon.
- A 3-Member I.T. students' team won 1st & 2nd prizes in Virtual Labs Remote Internship conducted by IIIT-Hyderabad.
- The Mechanical Engineering students' team stood 5th position in "Student Design Challenge-2019" in the ASME's Global E-Fests 2019.
- VCE has conducted the 2nd edition Entrepreneurial Summit at Tagore Auditorium, Osmania University, Hyderabad on 19th & 20th January, 2019.

B) College Rankings (2019-20):➤ **Times of India Engineering Institute Ranking Survey-2019:**

- i) 2nd position in top 25 Engineering Institutes – Telangana State
- ii) 2nd position in Top 10 Telangana Private Institutes – in Research category.
- iii) 2nd position in Top 10 Telangana Private Institutes – in Placements category.
- iv) 6th position in Top 10 Telangana Private institutes – in Infrastructure category.
- v) 32nd position in top 140 Engineering Institutes - In India.

➤ **Education World:**

- 34th position in Nation-wide out of 100 private engineering colleges.
- 3rd position in Telangana State

C) Workshops/Guest Lectures/Seminars organized:

- For the benefit of students and faculty, around 138 National Seminars/Conferences/Workshops/Guest lectures were conducted by all the departments during the academic year 2018-19.

17. **Credit weightage for "Online Courses":**

It was noted that following are the methodology for giving credit weightage for "Online Courses":

Practice as per approved regulations:

Every student who has been admitted from the Academic Year 2016-17 under CBCS Regulations shall have to complete ONE Online Certification Course (minimum of 8 weeks' duration and approved by the respective departments) being offered by NPTEL, Coursera etc., during the period from III to VIII-Semester B.E. Programme to become eligible for award of Degree.

Suggested:

Proposal-I:

It is suggested to allot ONE Credit for the students of B.E. and M.E./M.Tech Programmes on completing ONE Online Certification Course minimum of 8 weeks' duration and approved by the respective departments being offered by NPTEL, Coursera etc., during the period from III to VIII-Semester B.E. Programme and from II to III-Semester for M.E./M.Tech Programmes to become eligible for award of Degree. This ONE Credit shall be adjusted out of the total credits earmarked/approved for the respective B.E. and M.E./M.Tech Programmes.

Proposal-II (Online Courses permitted for UG students):

Students may be permitted to register for ONE online course (a minimum of 12 weeks' duration offered by NPTEL, Coursera etc., and approved by the respective departments) during V to VII-Semester of their study. On successful completion of the course, he/she has to submit the copy of the certificate to the Head of the Department for necessary exemption from registering for Professional Elective Course. Based on the recommendation of the Committee constituted by the Head of the Department, the student will be awarded grade and credits for the identified Professional Elective. The recommendation will be sent to the Controller of Examinations after getting approval of the Principal.

Online Courses permitted for PG students:

Students may be permitted to register for ONE Online course (a minimum of 12 weeks' duration offered by NPTEL, Coursera etc., and approved by the respective departments) during II to III-Semester of his/her study. On successful completion of the course, he/she has to submit the copy of the certificate to the Head of the Department for exemption from registering for an elective course. Based on the recommendations of the Committee constituted by the Head of the Department, the student will be awarded grade and credits (maximum of 3) in Professional Elective Category. The recommendation will be sent to the Controller of Examinations after the approval by the Principal.

The Academic Council has recommended the above proposals to BoG for approval and it has also suggested that draft guidelines for giving Credit to the online courses under Professional Elective Category be prepared and submitted for consideration.

The meeting concluded with a vote of thanks to the Chair.


(Ch. V.S.S. Sailaja)
Member-Secretary


(Dr. S.V. Ramana)
Principal & Chairman-Academic Council

**CIVIL ENGINEERING
SCHEME OF INSTRUCTIONS
(FROM 2014-15 TO 2018-19)**

**CIVIL ENGINEERING
SCHEME OF INSTRUCTIONS
(R-14)**

VASAVI COLLEGE OF ENGINEERING (Autonomous)

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014 - 15

B.E. I YEAR- I SEMESTER (CIVIL ENGINEERING)

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
								Univ. Exam	Sessionals	
THEORY										
1	HS1100	English-I	3	-	-	-	3	50	30	2
2	MA1110	Mathematics-I	3	1	-	-	3	70	30	3
3	PH1120	Engineering Physics-I	3	-	-	-	3	70	30	3
4	CH1130	Engineering Chemistry-I	3	-	-	-	3	70	30	3
5	CS1140	Programming in 'C' &Problem solving	3	1	-	-	3	70	30	3
6	CE1150	Engineering Mechanics-I	3	2	-	-	3	70	30	3
7	CE1160	Engineering Graphics-I	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1111	English Language Lab-I	-	-	-	3	3	50	25	2
9	PH1121	Physics Lab-I	-	-	-	3	3	50	25	2
10	CH1131	Chemistry Lab-I	-	-	-	3	3	50	25	2
11	CS 1141	'C' Programming Lab	-	-	-	3	3	50	25	2
12	ME1161	Workshop Practice-I	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30

H.O.D. (Civil)
B.O.S. Chairman

VASAVI COLLEGE OF ENGINEERING (Autonomous)

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014 - 15

B.E. I YEAR- II SEMESTER common to Civil, Mechanical and EEE Branches

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Univ. Exam	Sessionals	
THEORY										
1	HS1200	English-II	3	-	-	-	3	50	30	2
2	MA1210	Mathematics-II	3	1	-	-	3	70	30	3
3	PH1220	Engineering Physics-II	3	-	-	-	3	70	30	3
4	CH1230	Engineering Chemistry-II	3	-	-	-	3	70	30	3
5	CS1240	OOPS	3	1	-	-	3	70	30	3
6	CE1250	Engineering Mechanics-II	3	2	-	-	3	70	30	3
7	CE1260	Engineering Graphics-II	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1211	English Language Lab-II	-	-	-	3	3	50	25	2
9	PH1221	Physics Lab-II	-	-	-	3	3	50	25	2
10	CH1231	Chemistry Lab-II	-	-	-	3	3	50	25	2
11	CS 1241	OOPS Lab	-	-	-	3	3	50	25	2
12	ME1251	Workshop Practice-II	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30

H.O.D. (Civil)
B.O.S. Chairman

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. II/IV (REGULAR)
CIVIL ENGINEERING

SEMESTER-I

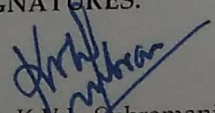
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			Periods per Week		Duration in Hrs.	Maximum Marks		
			L/T	D/P		Univ. Exam	Sess-ionals	
THEORY								
1	MA 2010	Mathematics-III	4	-	3	70	30	3
2	CE 2010	Building Planning & Drawing	2	3	3	70	30	3
3	CE 2020	Building Materials & Construction	4	-	3	70	30	3
4	CE 2030	Engineering Geology	4	-	3	70	30	3
5	CE 2040	Strength of Materials-I	4+2	-	3	70	30	4
6	CE 2050	Surveying-I	4	-	3	70	30	3
7	HS 2010	Finishing School- I	2+1	-	-	70	30	2
PRACTICALS								
1	CE 2011	Engineering Geology Lab	-	3	3	50	25	2
2	CE 2021	Surveying-I Lab	-	3	3	50	25	2
3	CE 2031	Civil Engineering Drafting Lab	-	3	3	50	25	2
		Total	27	12	-	640	285	27
			39				925	

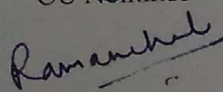
SERVICE COURSES

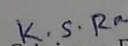
SERVICE COURSES								
S. No.	Syllabus Ref.No.	Subject	Scheme of Instruction		Scheme of Examination			Credits
			Periods per Week		Duration in Hrs.	Maximum Marks		
			L/T	D/P		Univ. Exam	Sessionals	
Mechanical								
1	CE 2060	Fluid Dynamics	4	-	3	70	30	3
2	CE 2070	Mechanics of Materials	4	-	3	70	30	3
3	CE 2041	Mechanics of Materials Lab	-	3	3	50	25	2


SYLLABUS IS APPROVED BY MEMBERS OF BOS

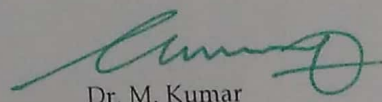
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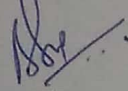

Dr. K.V.L. Subramaniam
OU Nominee


Dr. R. Pradeep Kumar
Subject Expert & Alumni


Dr. K. Srinivasa Raju
Subject Expert


Er. P. Surya Prakash
Industry Representative


Dr. M. Kumar
Subject Expert


Dr. B. Sridhar
Chairman, BOS

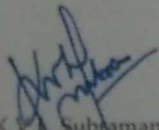
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. II/IV (REGULAR)
CIVIL ENGINEERING

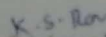
SEMESTER-II

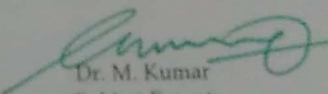
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			Periods per Week		Duration in Hrs.	Maximum Marks		
			L/T	D/P		Univ. Exam	Sessionals	
THEORY								
1	CE 2510	Strength of Materials - II	4+2	-	3	70	30	4
2	CE 2520	Surveying-II	4	-	3	70	30	3
3	CE 2530	Fluid Mechanics-I	4	-	3	70	30	3
4	CE 2090	Environmental Studies	4	-	3	70	30	3
5		Electrical & Mechanical Technology						
	EE 2100	Part - A Electrical Technology	3	-	3	35	15	2
	ME2080	Part - B Mechanical Technology	2	-	3	35	15	2
6	CE 2540	Concrete Technology	4	-	3	70	30	3
7	HS 2020	Finishing School-II	2+1	-	-	70	30	2
PRACTICALS								
1	CE 2511	Strength of Materials Lab	-	3	3	50	25	2
2	CE 2521	Surveying-II Lab	-	3	3	50	25	2
3	CE 2531	Fluid Mechanics Lab	-	3	3	50	25	2
		Total	30	9	-	640	285	28
			39				925	

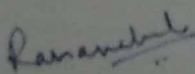
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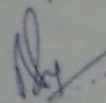

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 Dr. R. Pradeep Kumar
 Subject Expert & Alumni


 Er. P. Surya Prakash
 Industry Representative


 Dr. B. Sridhar
 Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
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SEMESTER-I

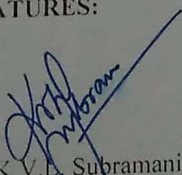
SEMESTER-I

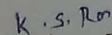
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			Periods per week		Duration In Hours	Maximum Marks		
			L/T	D/P		Univ. Exam	Sessi-onals	
THEORY								
1	CE 3010	Reinforced Concrete	4+2	-	3	70	30	4
2	CE 3020	Fluid Mechanics-II	4	-	3	70	30	3
3	CE 3030	Theory of Structures-I	4+2	-	3	70	30	4
4	CE 3040	Environmental Engineering	4	-	3	70	30	3
5	CE 3050	Soil Mechanics	4	-	3	70	30	3
6	HS 3040	Finishing School-III (Soft Skills)	2	-	1½	35	15	1
	CE 3100	Finishing School-III (Technical)	2	-	1½	35	15	1
7	HS 3160	Human Values and Professional Ethics	2	-	1½	35	15	1
PRACTICALS								
1	CE 3011	Hydraulics & Hydraulics Machinery lab	-	3	3	50	25	2
2	CE 3021	Soil Mechanics Lab	-	3	3	50	25	2
3	CE 3031	Concrete Lab	-	3	3	50	25	2
4	CE 3041	Surveying Camp	-	-	-	-	50*	2
		Total	30	9	-	605	320	28
			39				925	

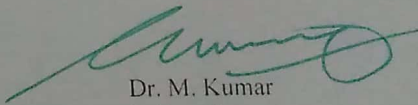
*Only Sessional marks and camp will be organised in the intervening period between the completion of the II year II semester and the commencement of III year I semester.

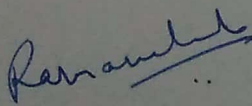
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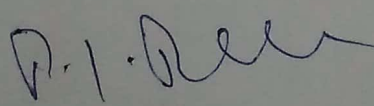
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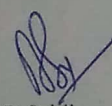

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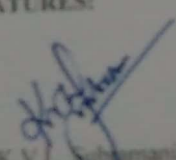
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
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B.E. III/IV (REGULAR)
CIVIL ENGINEERING


SEMESTER-II

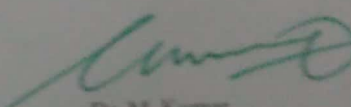
SEMESTER-II								
Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction		Scheme of Examination			Credits
			Periods per week		Duration In Hours	Maximum Marks		
			L/T	D/P		Univ. Exam	Sessionals	
THEORY								
1	CE 3510	Design of Reinforced Concrete Structures	4+1	—	3	70	30	4
2	CE 3520	Design of Steel Structures-I	4+1	—	3	70	30	4
3	CE 3530	Theory of Structures-II	4+1	—	3	70	30	4
4	CE 3540	Geotechnical Engineering	4	—	3	70	30	3
5	CE 3550	Water Resources Engineering-I	4	—	3	70	30	3
6	CE 3560	Transportation Engineering-I	4	—	3	70	30	3
7	HS 3610	Finishing School-IV (Soft Skills)	2	—	1%	35	15	1
	CE 3600	Finishing School-IV (Technical)	2	—	1%	35	15	1
PRACTICALS								
1	CE 3511	Environmental Engineering Lab	—	3	3	50	25	2
2	CE 3521	Computer Applications-I Lab	—	3	3	50	25	2
3	CE 3531	Transportation Engineering Lab	—	3	3	50	25	2
		Total	31	9	-	640	285	29
			40				925	

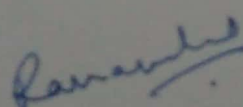
SCHEME OF INSTRUCTIONS IS APPROVED BY MEMBERS OF BOS

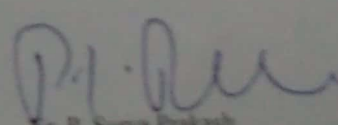
SIGNATURES:


 Dr. K.V.L. Subramaniam
 OU Nominee


 Dr. K. Srinivasa Raju
 Subject Expert


 Dr. M. Kumar
 Subject Expert


 Dr. R. Pradeep Kumar
 Subject Expert & Alumni


 Dr. P. Surya Prakash
 Industry Representative


 Dr. B. Sridhar
 Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION FOR B.E. IV/IV w.e.f. 2017-18
(Students admitted in 2014-15)

SEMESTER-I

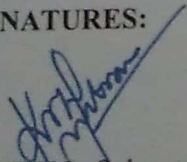
SEMESTER-I										
S. No	Subject Code	Subject	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Duration in Hours	Maximum Marks		
			L	T	D	P		SEM Exam	Sessional	
THEORY										
1	CE 4010	Design of Steel Structures-II	3	1	-	-	3	70	30	3
2	CE 4020	Estimating and Specifications	3	1	-	-	3	70	30	3
3	CE 4030	Water Resources Engineering-II	3	1	-	-	3	70	30	3
4	CE 4040	Construction Management and Administration	3	0	-	-	3	70	30	3
5	CE 4050	Transportation Engineering-II	3	1	-	-	3	70	30	3
6	HS 4010	Managerial Economics and Accountancy	3	-	-	-	3	70	30	3
7		Elective -I	3	1	-	-	3	70	30	3
PRACTICALS										
8	CE 4011	Computer Applications-II Lab	-	-	-	2	3	50	25	1
9	CE 4021	Project Seminar	-	-	-	2	-	-	25	1
		Total	21	5	-	4	-	540	260	23
Grand Total			30					800		

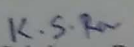
Elective-I

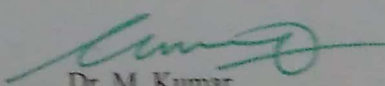
CE 4051	Finite Element Methods
CE 4052	Pre-Stressed Concrete
CE 4053	Geoinformatics
ME 4040	Operation Research

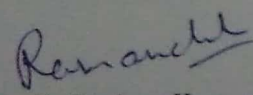
SYLLABUS IS APPROVED BY MEMBERS OF BOS

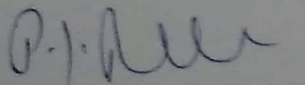
SIGNATURES:



Dr. K.V.L. Subramaniam
OU Nominee


Dr. K. Srinivasa Raju
Subject Expert


Dr. M. Kumar
Subject Expert


Dr. R. Pradeep Kumar
Subject Expert & Alumni


Er. P. Surya Prakash
Industry Representative


Dr. B. Sridhar
Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION B.E. IV/IV w.e.f. 2017-18
(Students admitted in 2014-15)

SEMESTER-II

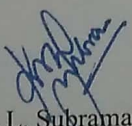
SEMESTER-II										
S. No	Subject Code	Subject	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Duration in Period	Maximum Marks		
			L	T	D	P		SEM Exam	Sessional	
THEORY										
1	CE	Elective-II	3	-	-	-	3	70	30	3
2	CE	Elective-III	3	-	-	-	3	70	30	3
		PRACTICALS								
3	CE 4521	Project / Internship	-	-	18	-	Viva Voce	50	50	9
		Total	6	-	18	-	-	190	110	15
Grand Total			24					300		

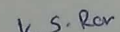
ELECTIVE – II	
CE 4531	Disaster Mitigation and Management
CE 4532	Ground Improvement Techniques
CE 4533	Advanced Environmental Engineering
CE 4534	Advanced Reinforced Concrete Design

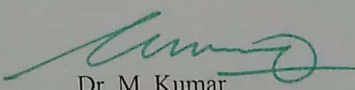
ELECTIVE – III	
CE 4541	Advanced Transportation Engineering
CE 4542	Ground Water Hydrology
CE 4543	Elements of Earthquake Engineering
CE 4544	Health Monitoring & Retrofitting of Structures

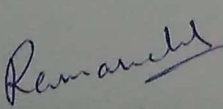
SYLLABUS IS APPROVED BY MEMBERS OF BOS

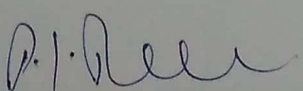
SIGNATURES:



 Dr. K.V.L. Subramaniam
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 Dr. K. Srinivasa Raju
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 Dr. M. Kumar
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 Subject Expert & Alumni


 Er. P. Surya Prakash
 Industry Representative


 Dr. B. Sridhar
 Chairman, BOS

**CIVIL ENGINEERING
SCHEME OF INSTRUCTIONS
(R-16)**

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. - (CIVIL ENGINEERING) I-SEMESTER ACADEMIC YEAR 2016 - 2017
(Students Admitted 2016-17)

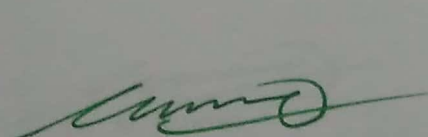
B.E (Civil) I Semester

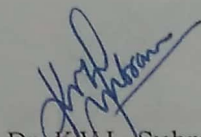
B.E (Civil) I Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
HS110EH	English – I	2	-	-	3	70	30	2
BS110MA	Engineering Mathematics – I	3	-	-	3	70	30	3
BS120PH	Engineering Physics	2	-	-	3	70	30	2
BS130CH	Engineering Chemistry	2	-	-	3	70	30	2
ES110CS	Computer Programming and Problem Solving	3	-	-	3	70	30	3
ES100CE	Basic Engineering Mechanics (Civil, Mech, EEE)	3	-	-	3	70	30	3
ES130CE	Engineering Graphics – I	-	2	3	3	70	30	4
PRACTICALS								
HS111EH	English Lab – I	-	-	2	3	50	25	1
BS111PH	Engineering Physics Lab	-	-	2	3	50	25	1
BS121CH	Engineering Chemistry Lab	-	-	2	3	50	25	1
ES111CS	Computer Programming & Problem Solving Lab	-	-	2	3	50	25	1
ES121ME	Engineering Workshop Lab- I	-	-	2	3	50	25	1
TOTAL		15	2	13		740	335	24
GRAND TOTAL		30				1075		
Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement .								

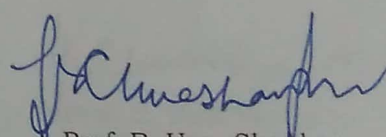
Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement.

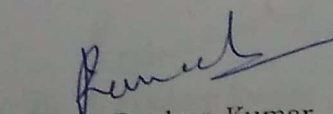
SCHEME IS APPROVED BY MEMBERS OF BOS

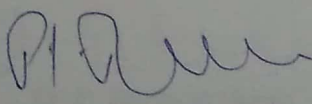
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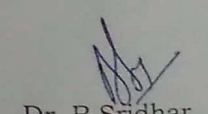

Dr. M. Kumar,
OU Nominee


Dr. K.V.L. Subramaniam
Subject Expert


Prof. B. Uma Shankar,
Subject Expert


Dr. R. Pradeep Kumar
Subject Expert & Alumni


Er. P. Surya Prakash
Industry Representative


Dr. B. Sridhar
Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. - (CIVIL ENGINEERING) II-SEMESTER ACADEMIC YEAR 2016 - 2017
(Students Admitted 2016-17)

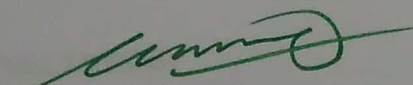
B.E (Civil) II Semester

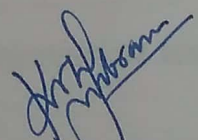
B.E (Civil) II Semester									
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination				
		Hours per Week			Duration in Hrs	Maximum Marks		Credits	
		L	T	P/D		SEE	CIE		
THEORY									
HS220EH	English – II	2	-	-	3	70	30	2	
BS210MA	Engineering Mathematics - II	3	-	-	3	70	30	3	
BS220PH	Applied Physics	2	-	-	3	70	30	2	
BS230CH	Applied Chemistry	2	-	-	3	70	30	2	
ES210CS	Object Oriented Programming using C++	3	-	-	3	70	30	3	
ES220CE	Engineering Mechanics (Civil, Mech, EEE)	3	-	-	3	70	30	3	
ES230CE	Engineering Graphics - II	-	2	3	3	70	30	4	
PRACTICALS									
HS211EH	English Lab - II	-	-	2	3	50	25	1	
BS211PH	Applied Physics Lab	-	-	2	3	50	25	1	
BS221CH	Applied Chemistry Lab	-	-	2	3	50	25	1	
ES211CS	Object Oriented Programming using C++ Lab	-	-	2	3	50	25	1	
ES221ME	Engineering Workshop-II (Civil, Mech, EEE)	-	-	2	3	50	25	1	
TOTAL		15	2	13		740	335	24	
GRAND TOTAL		30				1075			
Note: The following hours are to be allotted to CC / RC / TC / PDC based on the requirement.									

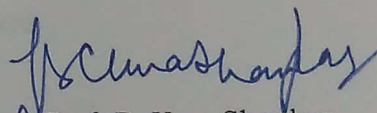
Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement.

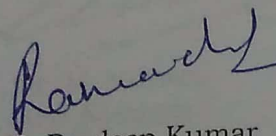
SCHEME IS APPROVED BY MEMBERS OF BOS

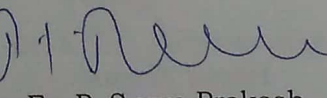
SIGNATURES:

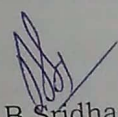

Dr. M. Kumar,
OU Nominee


Dr. K.V.L. Subramaniam
Subject Expert


Prof. B. Uma Shankar,
Subject Expert


Dr. R. Pradeep Kumar
Subject Expert & Alumni


Er. P. Surya Prakash
Industry Representative


Dr. B. Sridhar
Chairman, BOS

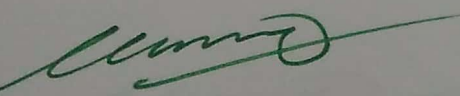
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

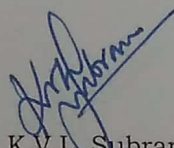
SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. - (CIVIL ENGINEERING) III-SEMESTER ACADEMIC YEAR 2017 - 2018
(Students Admitted 2016-17)

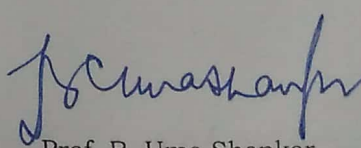
B.E (Civil) III Semester									
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination				
		Hours per Week			Duration in Hrs	Maximum Marks		Credits	
		L	T	P/D		SEE	CIE		
THEORY									
BS310MA	Engineering Mathematics – III	3	-	-	3	70	30	3	
BS320CE	Geology	3	-	-	3	70	30	3	
ES310CE	Building Planning & Drawing	2	-	2	3	70	30	2	
PC310CE	Strength of Materials-I	3	-	-	3	70	30	3	
PC320CE	Surveying-I	3	-	-	3	70	30	3	
OE3XXXX	Open Elective – I	2	-	-	3	70	30	2	
MC310EH	FS-I: Communication Skills in English	2	-	-	3	70	30	2	
MC330ME	Introduction to Entrepreneurship	1	-	-	2	35	15	1	
MC300EH	Human Values & Professional Ethics-I	1	-	-	2	35	15	1	
PRACTICALS									
BS321CE	Geology Lab	-	-	2	2	50	25	1	
PC331CE	Surveying-I Lab	-	-	2	2	50	25	1	
PC341CE	Civil Engineering Drafting Lab	-	-	2	2	50	25	1	
Student should complete one online certificate course during III-VIII Semester									
TOTAL		20	-	8		710	315	23	
GRAND TOTAL		28				1025			
Note: The left over hours are to be allotted to ECA-I / CCA-I / CC / RC / TC / PDC based on the requirement .									

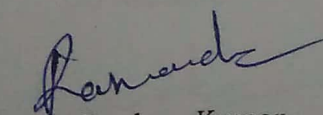
SCHEME IS APPROVED BY MEMBERS OF BOS

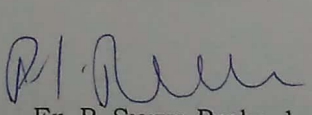
SIGNATURES:

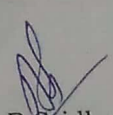

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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. – (CIVIL ENGINEERING) IV-SEMESTER ACADEMIC YEAR 2017 - 2018
(Students Admitted 2016-17)

B.E (Civil) IV Semester									
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination				
		Hours per Week			Duration in Hrs	Maximum Marks		Credits	
		L	T	P/D		SEE	CIE		
THEORY									
BS410MA	Engineering Mathematics – IV	3	-	-	3	70	30	3	
ES410CE	Building Materials and Construction	3	-	-	3	70	30	3	
PC410CE	Strength of Materials – II	3	-	-	3	70	30	3	
PC420CE	Surveying-II	3	-	-	3	70	30	3	
PC430CE	Fluid Mechanics – I	3	-	-	3	70	30	3	
OE4XXXX	Open Elective – II	1	-	-	2	35	15	1	
OE4XXXX	Open Elective – III	2	-	-	3	70	30	2	
MC320CE	Environmental Science	2	-	-	3	70	30	2	
MC410EH	FS-II: Communication Skills in English	2	-	-	3	70	30	2	
PRACTICALS									
PC441CE	Strength of Materials Lab	-	-	2	2	50	25	1	
PC451CE	Surveying-II Lab	-	-	2	2	50	25	1	
PC461CE	Fluid Mechanics Lab	-	-	2	2	50	25	1	
Student should complete one online certificate course during III-VIII Semester									
TOTAL		22	-	6		760	330	25	
GRAND TOTAL		28				1090			
Note: The left over hours are to be allotted to ECA-II / CCA-II / CC / RC / TC / PDC based on the requirement.									

Note: The left over hours are to be allotted to ECA-II / CCA-II / CC / RC / TC / PDC based on the requirement.

SCHEME IS APPROVED BY MEMBERS OF BOS

SIGNATURES:

Dr. M. Kumar,
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. - (CIVIL ENGINEERING) V-SEMESTER ACADEMIC YEAR 2018 - 2019
(Students Admitted 2016-17)

B.E (Civil) V Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
PC510CE	Reinforced Concrete Design – I	3	-	-	3	70	30	3
PC520CE	Theory of Structures-I	3	-	-	3	70	30	3
PC530CE	Fluid Mechanics – II	3	-	-	3	70	30	3
PC540CE	Soil Mechanics	3	-	-	3	70	30	3
PC550CE	Environmental Engineering	3	-	-	3	70	30	3
OE510CE	Open Elective – IV (Remote Sensing)	1	-	-	2	50	30	1
OE520CE	Open Elective – V (Project Management)	2	-	-	3	70	30	2
MC510EH	Human Values & Professional Ethics-II	1	-	-	2	50	25	1
MC500EH	FS : III - Soft Skills	1	-	-	1.5	35	15	1
MC500CE	FS: III - Technical Skills	1	-	-	1.5	35	15	1
PRACTICALS								
PC551CE	Hydraulics & Hydraulics Machinery Lab	-	-	2	3	50	25	1
PC561CE	Soil Mechanics Lab	-	-	2	3	50	25	1
PC571CE	Concrete Technology Lab	-	-	2	3	50	25	1
PW519CE	Mini Project : Surveying Camp	-	-	-	-	-	50	1
Student should complete one online certificate course during III-VIII Semester								
TOTAL		21	-	6		550	360	25
GRAND TOTAL		27				1100		
Note: The left over hours are to be allotted to ECA-III / CCA-III / CC / RC / TC / PDC based on the requirement .								

SCHEME IS APPROVED BY MEMBERS OF BOS

SIGNATURES:

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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

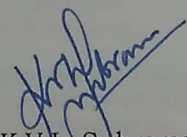
SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. - (CIVIL ENGINEERING) VI-SEMESTER ACADEMIC YEAR 2018 - 2019
(Students Admitted 2016-17)

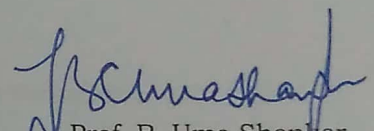
B.E (Civil) VI Semester								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
		Hours per Week			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
PC610CE	Reinforced Concrete Design – II	3	-	-	3	70	30	3
PC620CE	Theory of Structures-II	3	-	-	3	70	30	3
PC630CE	Highway Engineering	3	-	-	3	70	30	3
PC640CE	Design of Steel Structures	3	-	-	3	70	30	3
PC650CE	Hydrology and Water Resources Engineering	3	-	-	3	70	30	3
OE610CE	Open Elective – VI (ITS)	1	-	-	2	35	15	1
OE620CE	Open Elective – VII (GPS)	2	-	-	3	70	30	2
MC600EH	FS : IV – Soft Skills	1	-	-	2	35	15	1
MC600CE	FS:IV–Campus Recruitment Training	1	-	-	2	35	15	1
PRACTICALS								
PC661CE	Transportation Engineering Lab	-	-	2	3	50	25	1
PC671CE	Computer Applications-I Lab	-	-	2	3	50	25	1
PC681CE	Environmental Engineering Lab	-	-	2	3	50	25	1
Student should complete one online certificate course during III-VIII Semester								
TOTAL		20	-	6		675	300	23
GRAND TOTAL		26				975		
Note: The left over hours are to be allotted to ECA-IV / CCA-IV / CC / RC / TC / PDC based on the requirement .								

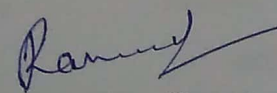
SCHEME IS APPROVED BY MEMBERS OF BOS

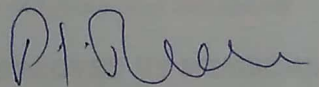
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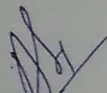

Dr. M. Kumar,
OU Nominee


Dr. K.V.L. Subramaniam
Subject Expert


Prof. B. Uma Shankar,
Subject Expert


Dr. R. Pradeep Kumar
Subject Expert & Alumni


Er. P. Surya Prakash
Industry Representative


Dr. B. Sridhar
Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. - (CIVIL ENGINEERING) VII-SEMESTER ACADEMIC YEAR 2019 - 2020
(Students Admitted 2016-17)

B.E (Civil) VII Semester									
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination				
		Hours per Week			Duration in Hrs	Maximum Marks		Credits	
		L	T	P / D		SEE	CIE		
THEORY									
HS040EH	Economics and Finance for Engineers	2	-	-	3	70	30	2	
PC710CE	Concrete Technology	3	-	-	3	70	30	3	
PC720CE	Estimation & Specifications	3	-	-	3	70	30	3	
PE7XXCE	Professional Elective – I	3	-	-	3	70	30	3	
PE7XXCE	Professional Elective – II	3	-	-	3	70	30	3	
PE7XXCE	Professional Elective – III	3	-	-	3	70	30	3	
PE7XXCE	Professional Elective – IV	3	-	-	3	70	30	3	
PRACTICALS									
PC711CE	Computer Applications-II Lab	-	-	2	3	50	25	1	
PW719CE	Project Seminar	-	-	2	-	-	25	1	
	CC / RC / TC	-	-	-	-	-	-	-	
Student should complete one online certificate course during III-VIII Semester									
	TOTAL	20	-	4		540	260	22	
	GRAND TOTAL	24				800			
Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement .									

Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement .

PROFESSIONAL ELECTIVE - I

- | | | |
|---|---------|-------------------------------------|
| 1 | PE711CE | Advanced Design of Steel Structures |
| 2 | PE712CE | Railway & Airport Engineering |
| 3 | PE713CE | Advanced Environmental Engineering |

PROFESSIONAL ELECTIVE - II

- | | | |
|---|---------|-------------------------|
| 1 | PE721CE | Finite Element Method |
| 2 | PE722CE | Foundation Engineering |
| 3 | PE723CE | Optimization Techniques |

PROFESSIONAL ELECTIVE - III

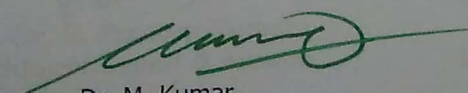
- | | | |
|---|---------|---|
| 1 | PE731CE | Elements of Earthquake Engineering |
| 2 | PE732CE | Transportation Infrastructure Planning and Management |
| 3 | PE733CE | Water Resources Engineering |

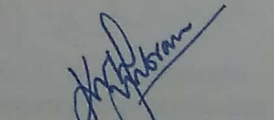
PROFESSIONAL ELECTIVE - IV

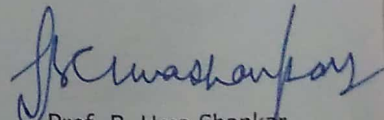
- | | | |
|---|---------|------------------------------------|
| 1 | PE741CE | Pre-Stressed Concrete |
| 2 | PE742CE | Geoinformatics |
| 3 | PE743CE | Disaster Mitigation and Management |

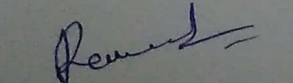
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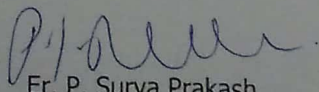
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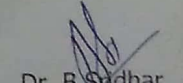

Dr. M. Kumar,
OU Nominee


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Prof. B. Uma Shankar,
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Subject Expert & Alumni


Er. P. Surya Prakash
Industry Representative


Dr. B. Sudhar
Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION (R-16)
B.E. – (CIVIL ENGINEERING) VIII-SEMESTER ACADEMIC YEAR 2019 - 2020
(Students Admitted 2016-17)

B.E (Civil) VIII Semester									
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination				
		Hours per Week			Duration in Hrs	Maximum Marks		Credits	
		L	T	P / D		SEE	CIE		
THEORY									
PESXXCE	Professional Elective – V	3	-	-	3	70	30	3	
PESXXCE	Professional Elective – VI	3	-	-	3	70	30	3	
PRACTICALS									
PW819CE	Project /Internship	-	-	18	Viva-Voce	50	50	9	
Student should complete one online certificate course during III-VIII Semester									
	TOTAL	6	-	18		190	110	15	
	GRAND TOTAL	24				300			
Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement .									

Note: The left over hours are to be allotted to CC / RC / TC / PDC based on the requirement .

PROFESSIONAL ELECTIVE – V

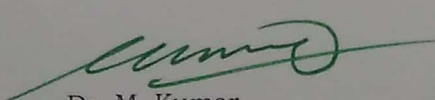
- | | | |
|---|---------|-------------------------------------|
| 1 | PE851CE | Advanced Reinforced Concrete Design |
| 2 | PE852CE | Advanced Transportation Engineering |
| 3 | PE853CE | Ground Water Hydrology |

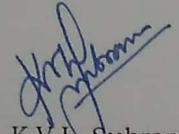
PROFESSIONAL ELECTIVE – VI

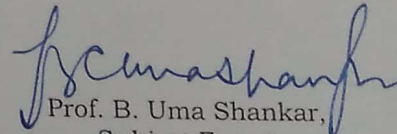
- | | | |
|---|---------|--|
| 1 | PE861CE | Health Monitoring & Retrofitting of Structures |
| 2 | PE862CE | Ground Improvement Techniques |
| 3 | PE863CE | Construction Management & Administration |

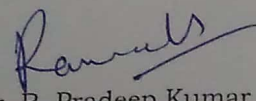
SCHEME IS APPROVED BY MEMBERS OF BOS

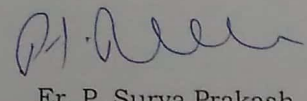
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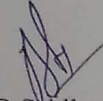

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Industry Representative


Dr. B. Sridhar
Chairman, BOS

**CIVIL ENGINEERING
SCHEME OF INSTRUCTIONS
(R-18)**

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2018-19

B.E I Semester									
S. No	Sub reference Code	SUBJECT	Scheme of Instruction			Scheme of Examination			Credits
			Periods per Week (One Hour each)			Duration in Hrs	Maximum Marks		
			L	T	P/D		SEE	CIE	
THEORY									
1	18HS120EH	English-I	2	-	-	3	60	40	2
2	18BS110MA	Mathematics-I	3	-	-	3	60	40	3
3	18BS130PH	Physics -I	2	-	-	3	60	40	2
4	18BS140CH	Chemistry-I	2	-	-	3	60	40	2
5	18CS150CS	Programming for Problem Solving	3	-	-	3	60	40	3
6	18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
7	18ES170CE	Engineering Graphics-I	-	-	3	3	60	40	1.5
PRACTICALS									
8	18HS111EH	English Lab-I	-	-	2	3	50	30	1
9	18BS121PH	Physics Lab-I	-	-	2	3	25	15	1
	18BS121CH	Chemistry Lab-I	-	-		3	25	15	
10	18ES131CS	Programming for Problem Solving Lab	-	-	2	3	50	30	1
11	18ES141ME	Workshop manufacturing Process Lab-I	-	-	2	3	50	30	1
TOTAL			15	0	11	-	620	400	
GRAND TOTAL			26				1020		20.5

INTER DISCIPLINARY COURSES OFFERED BY CIVIL ENGINEERING TO CSE, ECE & IT

INTER DISCIPLINARY COURSES OFFERED BY CIVIL ENGINEERING TO CSE, EEE & IT								
Sub reference Code	SUBJECT	Scheme of Instruction			Scheme of Examination			
		Periods per Week (One Hour each)			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
18ES180CE	Engineering Drawing-I	-	-	3	3	60	40	1.5

SYLLABUS IS APPROVED BY MEMBERS OF BOS

SIGNATURES:

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Industry Representative

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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF CIVIL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2018-19

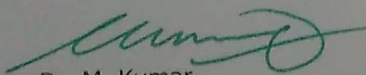
B.E II Semester									
S. No	Sub reference Code	SUBJECT	Scheme of Instruction			Scheme of Examination			
			Periods per Week (One Hour each)			Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE	CIE	
THEORY									
1	18HS220EH	English –II	2	-	-	3	60	40	2
2	18BS210MA	Mathematics-II	3	-	-	3	60	40	3
3	18BS230PH	Physics -II	2	-	-	3	60	40	2
4	18BS240CH	Chemistry -II	2	-	-	3	60	40	2
5	18ES250EE	Basic Electrical Engineering	2	-	-	3	60	40	2
6	18ES260CE	Engineering Mechanics	3	-	-	3	60	40	3
7	18ES270CE	Engineering Graphics-II	-	-	3	3	60	40	1.5
PRACTICALS									
8	18HS211EH	English Lab-II	-	-	2	3	50	30	1
9	18BS221PH	Physics Lab-II	-	-	2	3	25	15	1
	18BS221CH	Chemistry Lab-II	-	-			25	15	
10	18ES231ME	Workshop manufacturing Process lab -II	-	-	2	3	50	30	1
11	18ES141EE	Basic Electrical Engineering lab	-	-	2	3	50	30	1
TOTAL			14	0	11		620	400	19.5
GRAND TOTAL			25				1020		

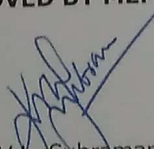
INTER DISCIPLINARY COURSES OFFERED BY CIVIL ENGINEERING to CSE, ECE & IT

Sub reference Code	SUBJECT	Scheme of Instruction			Scheme of Examination			
		Periods per Week (One Hour each)			Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
18ES280CE	Engineering Drawing-II	-	-	3	3	60	40	1.5
18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3

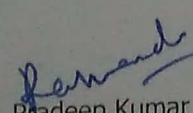
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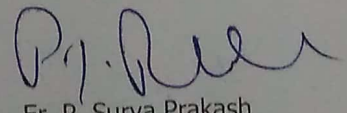
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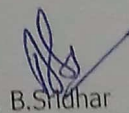

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 Er. P. Surya Prakash
 Industry Representative


 Dr. B. Shidhar
 Chairman, BOS

**B.E.– COMPUTER SCIENCE &
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-14

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR I SEMESTER STUDENTS

ADMITTED IN THE ACADEMIC YEAR 2014-15

(Academic Year 2014-15)

S. No	Subject Code	B.E. FIRST YEAR I SEMESTER						Examination			Credits
		Subject Name	Instruction Hours Per Week								
			L	T	D	P	Duration in Hrs	Max Marks			
THEORY								SEM Exam	Sessi onals		
1	HS1100	English-I	3	-	-	-	3	50	30	2	
2	MA1110	Mathematics-I	3	1	-	-	3	70	30	3	
3	PH1120	Engineering Physics-I	3	-	-	-	3	70	30	3	
4	CH1130	Engineering Chemistry-I	3	-	-	-	3	70	30	3	
5	CS1140	Programming in 'C' & Problem solving	3	1	-	-	3	70	30	3	
6	CE1150	Engineering Mechanics-I	3	2	-	-	3	70	30	3	
7	CE1160	Engineering Graphics-I	-	2	6	-	3	70	30	3	
PRACTICALS											
8	HS1111	English Language Lab-I	-	-	-	3	3	50	25	2	
9	PH1121	Physics Lab-I	-	-	-	3	3	50	25	2	
10	CH1131	Chemistry Lab-I	-	-	-	3	3	50	25	2	
11	CS1141	'C' Programming Lab	-	-	-	3	3	50	25	2	
12	ME1161	Workshop Practice –I	-	-	-	3	3	50	25	2	
		TOTAL	18	6	6	15		720	335	30	
			45					1055			


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR II SEMESTER

STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15

(Academic Year 2014-15)

S. No	Subject Code	B.E. FIRST YEAR II SEMESTER						Examination			Credits
		Subject Name	Instruction Hours Per Week								
			L	T	D	P	Duration in Hrs	Max Marks			
THEORY								SEM Exam	Sessi onals		
1	HS1200	English-II	3	-	-	-	3	50	25	2	
2	MA1210	Mathematics-II	3	1	-	-	3	70	30	3	
3	PH1220	Engineering Physics-II	3	-	-	-	3	70	30	3	
4	CH1230	Engineering Chemistry-II	3	-	-	-	3	70	30	3	
5	CS1240	Object Oriented Programming using C++	3	1	-	-	3	70	30	3	
6	CE1260	Basic Electrical Engineering	3	2	-	-	3	70	30	3	
7	CE1260	Engineering Graphics-II	-	2	6	-	3	70	30	3	
PRACTICALS											
8	HS1211	English Language Lab-II	-	-	-	3	3	50	25	2	
9	PH1221	Physics Lab-II	-	-	-	3	3	50	25	2	
10	CH1231	Chemistry Lab-II	-	-	-	3	3	50	25	2	
11	CS1241	C++ Programming Lab	-	-	-	3	3	50	25	2	
12	CS1271	CS Workshop(CSE)	-	-	-	3	3	50	25	2	
		TOTAL	18	6	6	15		720	335	30	
			45					1055			


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Ibrahimbagh, Hyderabad-500 031

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E SECOND YEAR I SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15 (Academic Year 2015-16)

S. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Duration in Hrs	Maximum Marks		
			L	T	D	P		SEM Exam	Sessio nals	
	THEORY									
1.	MA 2010	Mathematics – III	4	-	-	-	3	70	30	3
2.	CS 2020	Data Structures	4	-	-	-	3	70	30	3
3.	CS 2030	Discrete Structures	4	-	-	-	3	70	30	3
4.	CS 2040	Logic and Switching Theory	4	1	-	-	3	70	30	3
5.	CS 2050	Computer Architecture	4	-	-	-	3	70	30	3
6.	EC 2130	Basic Electronics	4	1	-	-	3	70	30	3
7	HS 2140	Human Values & Professional Ethics-I	2	-	-	-	3	70	30	1
8	HS 2160	Finishing School: Communication Skills in English -I	2	-	-	-	3	70	30	2
	PRACTICALS									
1.	CS 2071	Data Structures Lab	-	-	-	3	3	50	25	2
2.	EC 2391	Basic Electronics Lab	-	-	-	3	3	50	25	2
		Total	28			6	-	660	290	25
								950		


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Ibrahimbagh, Hyderabad-500 031


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E SECOND YEAR II SEMESTER

STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15

(Academic Year 2015-16)

S. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Duration in Hrs	Maximum Marks		
			L	T	D	P		SEM Exam	Sessi onals	
THEORY										
1.	MA 2030	Mathematics – IV	4	-	-	-	3	70	30	3
2.	CS 2100	Object Oriented Programming using Java	4	-	-	-	3	70	30	3
3.	CS 2110	Microprocessors& Interfacing	4	-	-	-	3	70	30	3
4.	CS 2120	Data Communication	4	1	-	-	3	70	30	3
5.	CS 2130	Design & Analysis of Algorithms	4	1	-	-	3	70	30	3
6.	CE 2090	Environmental Studies	4	-	-	-	3	70	30	3
7.	HS 2270	Finishing School: Communication Skills in English-II	2	-	-	-	3	70	30	2
PRACTICALS										
1.	CS 2151	Java Lab	-	-	-	3	3	50	25	2
2.	CS 2161	Microprocessors & Interfacing Lab	-	-	-	3	3	50	25	2
		Total	26		6			590	260	24
								850		


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Ibrahimbagh, Hyderabad-500 031


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E THIRD YEAR I SEMESTER

STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15

(Academic Year 2016-17)

Course Code	B.E. THIRD YEAR I SEMESTER		Instruction Hours per week				Scheme of Examination			Credits
	Name of the Course		L	T	D	P	Duration in Hours	Maximum Marks		
								SEM Exam	Sessionals	
THEORY										
CS 3010	Database Management Systems		4	-	-	-	3	70	30	3
CS 3020	Operating Systems		4	-	-	-	3	70	30	3
CS 3030	Software Engineering		4	-	-	-	3	70	30	3
CS 3040	Automata, Languages and Computation		4	-	-	-	3	70	30	3
HS 3120	Managerial Economics and Accountancy		4	-	-	-	3	70	30	3
HS 3110	Finishing School-III: Soft Skills		2	-	-	-	1.5	35	15	1
CS 3050	Finishing School-III: Technical Skills		2	-	-	-	1.5	35	15	1
HS 3140	Human Values & Professional Ethics – II		2	-	-	-	1.5	35	15	1
LABS										
CS 3061	Database Management Systems Lab		-	-	-	3	3	50	25	2
CS 3071	Operating Systems Lab		-	-	-	3	3	50	25	2
CS 3081	Software Engineering Lab		-	-	-	3	3	50	25	2
CS 3095	Mini Project		-	-	-	3	3	-	25	1
	Total		26		12		-	605	295	25
Grand Total		38				900				


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E THIRD YEAR II SEMESTER


STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15

(Academic Year 2016-17)

Course Code	B.E. THIRD YEAR II SEMESTER	Instruction				Scheme of Examination			Credits
	Name of the Course	Hours per week				Duration in Hours	Maximum Marks		
		L	T	D	P				
THEORY							SEM Exam	Sessionals	
CS 3110	Web Programming & Services	4	-	-	-	3	70	30	3
CS 3120	Computer Networks	4	-	-	-	3	70	30	3
CS 3130	Compiler Construction	4	-	-	-	3	70	30	3
CS 3140	Principles of Programming Languages	4	-	-	-	3	70	30	3
CS 3XXX	Elective-I	4	-	-	-	3	70	30	3
HS 3210	Finishing School-IV (Soft Skills)	2	-	-	-	1.5	35	15	1
CS 3150	Finishing School-IV (Technical Skills)	2	-	-	-	1.5	35	15	1
LABS									
CS 3161	Web Programming & Services Lab	-	-	-	3	3	50	25	2
CS 3171	Computer Networks Lab	-	-	-	3	3	50	25	2
CS 3181	Compiler Construction Lab	-	-	-	3	3	50	25	2
CS 3195	Mini Project	-	-	-	3	3	-	25	1
	Total	24	12			-	570	280	24
Grand Total		36					850		


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ELECTIVE-I	
CS 3200	Advanced Databases
CS 3210	Information Storage Management
CS 3220	Advanced Computer Architecture
CS 3230	Simulation & Modelling
CS 3240	Software Quality and Testing
CS 3190	Multimedia System


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FOURTH YEAR I SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15 (Academic Year 2017-18)

Course code	B.E. FOURTH YEAR I SEMESTER	Instruction				Scheme of Examination			Credits
	Name of the Course	Hours per week				Duration in Hours	Maximum Marks		
		L	T	D	P				
THEORY							SEM Exam	Sessionals	
CS 4010	Distributed Systems	3	1	-	-	3	70	30	3
CS 4020	Artificial Intelligence	3	1	-	-	3	70	30	3
CS 4030	Principles & Applications of Embedded Systems	3	1	-	-	3	70	30	3
CS 4040	Information Security	3	-	-	-	3	70	30	3
CS 4050	Data Mining	3	1	-	-	3	70	30	3
CS 4XXX	ELECTIVE-II	3	-	-	-	3	70	30	3
LABS									
CS 4061	Distributed Systems lab	-	-	-	2	3	50	25	1
CS 4071	Embedded Systems Lab	-	-	-	2	3	50	25	1
CS 4081	Data Mining Lab	-	-	-	2	3	50	25	1
CS 4096	Project Seminar	-	-	-	2	-	-	25	1
	Total	18	4	-	8		570	280	22
Grand Total		30					850		


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ELECTIVE-II	
CS 4100	Mobile Communications
CS 4110	Software Project Management
CS 4120	Human Computer Interaction
CS 4130	Software Reuse Techniques
CS 4140	Operations Research
ME 4150	Entrepreneurship


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FOURTH YEAR II SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2014-15 (Academic Year 2017-18)

Course Code	B.E. FOURTH YEAR II SEMESTER	Instruction				Scheme of Examination			Credits
	Name of the Course	Hours per week				Duration in Hours	Maximum Marks		
		L	T	D	P				
THEORY							SEM Exam	Sessio nals	
CS 4XXX	ELECTIVE –III	3	-	-	-	3	70	30	3
CS 4XXX	ELECTIVE-IV	3	-	-	-	3	70	30	3
LABS									
CS 4135	Project / Internship	-	-	-	18	Viva Voce	50	50	9
	Total	6	-	-	18	-	190	110	15
Grand Total		24					300		

ELECTIVE-III		ELECTIVE-IV	
CS 4200	Cloud Computing	CS 4260	Big Data
CS 4210	Information Retrieval Systems	CS 4270	Machine Learning
CS 4220	Ad hoc & Sensor Networks	CS 4280	Natural Language Processing
CS 4230	Neural Networks	CS 4290	Soft Computing
CS 4240	Semantic Web	CS 4300	Simulation & Modelling
ME 4250	Intellectual Property Rights	CE 4531	Disaster Mitigation and Management

**B.E.– COMPUTER SCIENCE &
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-16


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E I SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2016-17 (Academic Year 2016-17)

Subject Code	B.E. I SEMESTER (CBCS)					Examination			Credits
	Subject Name	Instruction Hours Per Week							
		L	T	D	P	Duration in Hrs	Max Marks		
THEORY							SEE	CIE	
HS110EH	English-I	2	1	-	-	3	70	30	2
BS110MA	Engineering Mathematics-I	3	1	-	-	3	70	30	3
BS120PH	Engineering Physics	2	1	-	-	3	70	30	2
BS130CH	Engineering Chemistry	2	1	-	-	3	70	30	2
ES110CS	Computer Programming and Problem solving using C	3	1	-	-	3	70	30	3
ES120EE	Basic Electrical Engineering	3	1	-	-	3	70	30	3
ES130CE	Engineering Graphics-I	-	2	3	-	3	70	30	4
PRACTICALS									
HS111EH	English Language Lab-I	-	-	-	2	3	50	25	1
BS111PH	Engineering Physics Lab	-	-	-	2	3	50	25	1
BS121CH	Engineering Chemistry Lab	-	-	-	2	3	50	25	1
ES111CS	Computer Programming & Problem solving using C Lab	-	-	-	2	3	50	25	1
ES121ME	Engineering Workshop -I	-	-	-	2	3	50	25	1
	TOTAL	15	8	3	10		740	335	24
		36					1075		


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E II SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2016-17 (Academic Year 2016-17)

Subject Code	B.E. II SEMESTER (CBCS)					Examination			Credits
	Subject Name	Instruction Hours Per Week							
		L	T	D	P	Duration in Hrs	Max Marks		
THEORY							SEE	CIE	
HS210EH	English-II	2	1	-	-	3	70	30	2
BS210MA	Engineering Mathematics-II	3	1	-	-	3	70	30	3
BS220PH	Applied Physics	2	1	-	-	3	70	30	2
BS240CH	Applied Chemistry	2	1	-	-	3	70	30	2
ES210CS	Object Oriented Programming using C++	3	1	-	-	3	70	30	3
ES100CE	Basic Engineering Mechanics	3	1	-	-	3	70	30	3
ES230CE	Engineering Graphics-II	-	2	3	-	3	70	30	4
PRACTICALS									
HS211EH	English Language Lab-II	-	-	-	2	3	50	25	1
BS211PH	Applied Physics Lab	-	-	-	2	3	50	25	1
BS221CH	Applied Chemistry Lab	-	-	-	2	3	50	25	1
ES211CS	Object Oriented Programming using C++ Lab	-	-	-	2	3	50	25	1
ES241CS	CSE Workshop	-	-	-	2	3	50	25	1
	TOTAL	15	8	3	10		740	335	24
		36					1075		


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E III SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2016-17 (Academic Year 2017-18)

B.E. III SEMESTER (CBCS)									
Subject Code	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
		Periods per Week				Duration in Hrs	Max Marks		
		L	T	D	P		SEE	CIE	
THEORY									
BS310MA	Mathematics III	3	1	0	0	3	70	30	3
PC310CS	Data Structures	3	1	0	0	3	70	30	3
PC320CS	Discrete Structures	3	1	0	0	3	70	30	3
PC330CS	Logic & Switching Theory	3	1	0	0	3	70	30	3
ES320EC	Introduction to Electronics Engineering	3	1	0	0	3	70	30	3
HS310EH	Finishing School -I: Communication Skills	2	2	0	0	3	70	30	2
MC300EH	HVPE-I	1	0	0	0	2	35	15	1
MC310ME	Introduction to Entrepreneurship	1	0	0	0	2	35	15	1
OE3XXXX	Open Elective-I	2	0	0	0	3	70	30	2
PRACTICALS									
PC311CS	Data Structures Lab	0	0	0	2	3	50	25	1
ES321EC	Introduction to Electronics Engineering Lab	0	0	0	2	3	50	25	1
	Total	21	7	0	4	-	660	290	23
	Grand Total	32					950		23


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E IV SEMESTER STUDENTS
ADMITTED IN THE ACADEMIC YEAR 2016-17
(Academic Year 2017-18)**

B.E IV SEMESTER (CBCS)									
Subject Code	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
		Periods per Week				Duration in Hrs	Max Marks		
		L	T	D	P		SEE	CIE	
THEORY									
BS410MA	Mathematics –IV	3	1	0	0	3	70	30	3
PC410CS	Object Oriented Programming Using Java	3	0	0	0	3	70	30	3
PC420CS	Operating Systems	3	0	0	0	3	70	30	3
PC430CS	Design & Analysis of Algorithms	3	1	0	0	3	70	30	3
PC440CS	Computer Architecture	3	1	0	0	3	70	30	3
HS410EH	FS–II : Communication Skills in English-II	2	2	0	0	3	70	30	2
MC320CE	Environmental Science	2	1	0	0	3	70	30	2
OE4XXXX	Open Elective-II	1	0	0	0	2	35	15	1
OE4XXXX	Open Elective-III	2	0	0	0	3	70	30	2
PRACTICALS									
PC411CS	Java Lab	0	0	0	2	3	50	25	1
PC421CS	Operating Systems Lab	0	0	0	2	3	50	25	1
	Total	22	6	0	4	-	695	305	24
	Grand Total	32				-	1000		24

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E V SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2016-17 (Academic Year 2018-19)

Course Code	B.E. V SEMESTER	Instruction Hours per week				Scheme of Examination			Credits
	Name of the Course	L	T	D	P	Duration in Hours	Maximum Marks		
THEORY							SE E	CIE	
PC510CS	Database Management Systems	3	0	0	0	3	70	30	3
PC520CS	Micro Processors & Interfacing	3	0	0	0	3	70	30	3
PC530CS	Computer Networks	3	1	0	0	3	70	30	3
PC540CS	Automata, Languages and Computation	3	0	0	0	3	70	30	3
HS500EH	Economics and Finance for Engineers	2	1	0	0	3	70	30	2
MC500EH	Human Values & Professional Ethics-II	1	0	0	0	2	50	30	1
HS510EH	Finishing School-III : Soft Skills	1	1	0	0	1.5	35	15	1
MC510CS	Finishing School-III : Technical Skills	1	1	0	0	1.5	35	15	1
OE5XXXX	Open Elective-IV	1	0	0	0	2	50	30	1
OE5XXXX	Open Elective-V	2	0	0	0	3	70	30	2
LABS									
PC511CS	Database Management Systems Lab	0	0	0	2	3	50	25	1
PC521CS	Micro Processors & Interfacing Lab	0	0	0	2	3	50	25	1
PC531CS	Computer Networks Lab	0	0	0	2	3	50	25	1
PW519CS	Mini Project	0	0	0	2	-	50	25	1
	Total	20	4	0	8	-	740	370	24
Grand Total		32				-	1110		


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E VI SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2016-17 (Academic Year 2018-19)

Course Code	B.E. VI SEMESTER	Instruction Hours per week				Scheme of Examination			Credits
	Name of the Course	L	T	D	P	Duration in Hours	Maximum Marks		
							SEE	CIE	
THEORY									
PC610CS	Web Programming & Services	3	1	0	0	3	70	30	3
PC620CS	Software Engineering	3	0	0	0	3	70	30	3
PC630CS	Compiler Construction	3	0	0	0	3	70	30	3
PC640CS	Artificial Intelligence	3	1	0	0	3	70	30	3
PE6X0CS	Professional Elective –I (IP)	3	0	0	0	3	70	30	3
HS610EH	Finishing School-IV (Soft Skills)	1	1	0	0	1.5	35	15	1
MC610CS	Finishing School-IV (Technical Skills)	1	1	0	0	1.5	35	15	1
OE5XXXX	Open Elective-VI	1	0	0	0	2	50	30	1
OE5XXXX	Open Elective-VII	2	0	0	0	3	70	30	2
LABS									
PC611CS	Web Programming & Services Lab	0	0	0	2	3	50	25	1
PC621CS	Software Engineering Lab	0	0	0	2	3	50	25	1
PC631CS	Compiler Construction Lab	0	0	0	2	3	50	25	1
PW619CS	Mini Project (Pega)	0	0	0	2	-	50	25	1
	Total	20	4	0	8	-	690	340	24
Grand Total		32				-	1030		

Professional Elective – I	
PE610CS	Image Processing
PE620CS	Software Project Management
PE630CS	Wireless & Mobile Communications
PE640CS	Network security
PE650CS	Computer Graphics


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**B.E.– COMPUTER SCIENCE &
ENGINEERING
SCHEME OF INSTRUCTIONS**

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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E I SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2018-19 (Academic Year 2018-19)

B.E I SEMESTER									
S. No	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
			Hours per Week			Exam Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE (60%)	CIE (40%)	
THEORY									
1	U18HS110EH	English Language and Communication-I	2	-	-	3	60	40	2
2	U18BS120MA	Mathematics-I	3	-	-	3	60	40	3
3	U18BS130PH	Semiconductor Physics	2	-	-	3	60	40	2
4	U18BS140CH	Chemistry-I	2	-	-	3	60	40	2
5	U18ES150CS	Programming for Problem Solving	3	-	-	3	60	40	3
6	U18ES160EE	Basic Electrical Engineering (BEE)	2	-	-	3	60	40	2
7	U18ES170CE	Engineering Drawing-I	1	-	2	3	60	40	2
PRACTICALS									
8	U18HS111EH	English Language and Communication Skills Lab- I	-	-	2	3	50	30	1
9	U18BS131PH	Physics Lab-I &	-	-	2	3	25	15	1
	U18BS141CH	Chemistry Lab –I					25	15	
10	U18ES151CS	Programming for Problem Solving lab	-	-	2	3	50	30	1
11	U18ES161EE	Basic Electrical Engineering lab (BEE)	-	-	2	3	50	30	1
TOTAL			15	0	10	-	620	400	20
GRAND			25				1020		

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E II SEMESTER STUDENTS ADMITTED IN THE ACADEMIC YEAR 2018-19 (Academic Year 2018-19)

B.E II SEMESTER									
S. N o	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
			Hours per Week			Exam Dura tion in Hrs	Maximum Marks		
			L	T	P/D		SEE (60%)	CIE (40%)	
THEORY									
1	U18HS210EH	English Language and Communication-II	2	-	-	3	60	40	2
2	U18BS220MA	Engineering Mathematics-II	3	-	-	3	60	40	3
3	U18BS230PH	Optoelectronic Devices	2	-	-	3	60	40	2
4	U18BS240CH	Engineering Chemistry	2	-	-	3	60	40	2
5	U18ES250EC	Introduction to Electronics Engineering	3	-	-	3	60	40	3
6	U18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
7	U18ES260CE	Engineering Drawing-II	1	-	2	3	60	40	2
PRACTICALS									
8	U18HS211EH	English Language and Communication Skills Lab- I	-	-	2	3	50	30	1
9	U18BS231PH	Physics Lab-I & Chemistry Lab –I	-	-	2	3	25	15	1
	U18BS241CH						25	15	
10	U18ES251EC	Programming for Problem Solving lab	-	-	2	3	50	30	1
11	U18ES261ME	Basic Electrical Engineering lab (BEE)	-	-	2	3	50	30	1
TOTAL			16	0	10	-	620	400	21
GRAND			26				1020		

**B.E.– ELECTRONICS & COMMUNICATION
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-14

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15

B.E. I YEAR- I SEMESTER Common to All Branches

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Sem. Exam	Sessionals	
THEORY										
1	HS1100	English-I	3	-	-	-	3	50	30	2
2	MA1110	Mathematics-I	3	1	-	-	3	70	30	3
3	PH1120	Engineering Physics-I	3	-	-	-	3	70	30	3
4	CH1130	Engineering Chemistry-I	3	-	-	-	3	70	30	3
5	CS1140	Programming in 'C' &Problem solving	3	1	-	-	3	70	30	3
6	CE1150	Engineering Mechanics-I	3	2	-	-	3	70	30	3
7	CE1160	Engineering Graphics-I	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1111	English Language Lab-I	-	-	-	3	3	50	25	2
9	PH1121	Physics Lab-I	-	-	-	3	3	50	25	2
10	CH1131	Chemistry Lab-I	-	-	-	3	3	50	25	2
11	CS 1141	'C' Programming Lab	-	-	-	3	3	50	25	2
12	ME1161	Workshop Practice-I	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30



For
CHAIRMAN, BoS in E.C.E
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SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15
B.E. I YEAR- II SEMESTER common to CSE, ECE and IT Branches

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Sem. Exam	Sessional	
THEORY										
1	HS1200	English-II	3	-	-	-	3	50	30	2
2	MA1210	Mathematics-II	3	1	-	-	3	70	30	3
3	PH1270	Engineering Physics-II	3	-	-	-	3	70	30	3
4	CH1280	Engineering Chemistry-II	3	-	-	-	3	70	30	3
5	CS1240	Object Oriented Programming using C++	3	1	-	-	3	70	30	3
6	EE1260	Basic Electrical Engineering	3	2	-	-	3	70	30	3
7	CE1260	Engineering Graphics-II	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1211	English Language Lab-II	-	-	-	3	3	50	25	2
9	PH1221	Physics Lab-II	-	-	-	3	3	50	25	2
10	CH1231	Chemistry Lab-II	-	-	-	3	3	50	25	2
11	CS 1241	C++ Programming Lab	-	-	-	3	3	50	25	2
12	EC1261	Electronics Workshop (ECE)	-	-	-	3	3	50	25	2
	CS1271	CS Workshop (CSE)								
	IT 1291	IT Workshop (IT)								
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. II/IV – I SEMESTER

S. No	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Periods per Week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Ext. Exam	Sessionals	
THEORY										
1	MA 2010	Mathematics-III	4	-	-	-	3	70	30	3
2	EC 2010	Basic Circuit Analysis	4	1	-	-	3	70	30	3
3	EC 2020	Electronic Materials & Devices	4	1	-	-	3	70	30	3
4	ME 2061	Elements of Mechanical Engineering	4	1	-	-	3	70	30	3
5	CE 2090	Environmental Studies	4	-	-	-	3	70	30	3
6	HS 2010	Finishing School - I	2	1	-	-	3	70	30	2
PRACTICAL										
7	EC 2311	Electronic Devices Lab	-	-	-	3	3	50	25	2
8	EC 2321	Basic Circuits and Simulation Lab	-	-	-	3	3	50	25	2
9	EE 2031	Basic Electrical Engineering Lab	-	-	-	3	3	50	25	2
		TOTAL	22	4	-	9	-	570	255	23
		GRAND TOTAL	35					825		

Service Courses (CSE & EEE)

S. No	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Periods per Week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Ext. Exam	Sessionals	
THEORY										
1	EC 2130	Basic Electronics	4	1	-	-	3	70	30	3
2	EC 2140	Electronics Engineering - I	4	1	-	-	3	70	30	3
PRACTICAL										
1	EC 2391	Basic Electronics Lab	-	-	-	3	3	50	25	2
2	EC 2401	Electronics Engineering - I Lab	-	-	-	3	3	50	25	2



VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. II/IV – II SEMESTER

S. No.	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Period per week				Duration in Hrs	Max. marks		Credits
			L	T	D	P		Ext. Exam	Sessionals	
THEORY										
1	MA 2020	Mathematics – IV	4	-	-	-	3	70	30	3
2	EC 2150	Analog Electronic Circuits	4	1	-	-	3	70	30	3
3	EC 2160	Electromagnetic Theory	4	1	-	-	3	70	30	3
4	EC 2170	Networks and Transmission Lines	4	1	-	-	3	70	30	3
5	EC 2180	Signal Analysis and Transform Techniques	4	1	-	-	3	70	30	3
6	EC 2190	Pulse, Digital and Switching Circuits	4	1	-	-	3	70	30	3
7	HS 2020	Finishing School - II	2	1	-	-	3	70	30	2
8	HS 2150	Human Values and Professional Ethics	2	-	-	-	3	70	30	1
PRACTICALS										
9	EC 2411	Electronics Circuits Lab	-	-	-	3	3	50	25	2
10	EC 2421	Simulation Lab for Signals and Systems	-	-	-	3	3	50	25	2
		TOTAL	28	6	-	6	-	660	290	25
		GRAND TOTAL	40					950		

Service Courses (ME & EEE)

S. No.	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Period per week				Duration in Hrs	Max. marks		Credits
			L	T	D	P		Ext. Exam	Sessionals	
THEORY										
1	EC 2280	Applied Electronics	4	1	-	-	3	70	30	3
2	EC 2290	Electronics Engineering - II	4	1	-	-	3	70	30	3
PRACTICALS										
1	EC 2491	Applied Electronics Lab	-	-	-	3	3	50	25	2
2	EC 2501	Electronics Engineering - II Lab	-	-	-	3	3	50	25	2



VASAVI COLLEGE OF ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION

B.E. III/IV – I SEMESTER

S. No.	code	Subject	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs.	Maximum Marks		Credits
			L	T	D	P		Ext. Exam	Sessio-nals	
THEORY										
1	EC 3010	Linear Integrated Circuits and Applications	3	1	-	-	3	70	30	3
2	EC 3020	Digital Integrated Circuits and Applications	3	1	-	-	3	70	30	3
3	EC 3030	Analog Communication	3	1	-	-	3	70	30	3
4	EC 3040	Microprocessors and Microcontrollers	3	1	-	-	3	70	30	3
5	EC 3050	Automatic Control Systems	3	-	-	-	3	70	30	3
6	EC 3060	Electronic Instrumentation	3	-	-	-	3	70	30	3
7	EC 3070	Finishing School – III: Technical skills	2	-	-	-	1½	35	15	1
8	HS 3110	Finishing School – III: Soft skills	2	-	-	-	1½	35	15	1
PRACTICALS										
9	EC 3311	Integrated Circuits Lab	-	-	-	3	3	50	25	2
10	EC 3321	Microprocessor and Microcontroller Lab	-	-	-	3	3	50	25	2
11	EC 3331	Networking Lab	-	-	-	3	3	50	25	2
		TOTAL	22	4	-	9		640	285	26
		GRAND TOTAL	35					925		

For
CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

VASAVI COLLEGE OF ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION

B.E. III/IV – II SEMESTER

S. No.	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs.	Maximum Marks		Credits
			L	T	D	P		Ext Exam	Sessionals	
THEORY										
1	EC 3160	Digital Communication	3	1	-	-	3	70	30	3
2	EC 3170	Digital Signal Processing	3	1	-	-	3	70	30	3
3	EC 3180	Antennas and Wave Propagation	3	1	-	-	3	70	30	3
4	EC 3190	Computer Organization and Architecture	3	1	-	-	3	70	30	3
5	HS 3120	Managerial Economics and Accountancy	3	1	-	-	3	70	30	3
6	HS 3140	Human Values and Professional Ethics-II	2	-	-	-	3	70	30	1
7	EC 3220	Finishing School – IV: Technical skills	2	-	-	-	1½	35	15	1
8	HS 3210	Finishing School – IV: Soft skills	2	-	-	-	1½	35	15	1
PRACTICALS										
9	EC 3411	Analog and Digital Communication Lab	-	-	-	3	3	50	25	2
10	EC 3421	Digital Signal Processing Lab	-	-	-	3	3	50	25	2
11	EC 3431	Mini Project	-	-	-	3	-	-	25	2
		Total	21	5	-	9		590	285	24
		Grand Total	35					875		



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WITH EFFECT FROM THE ACADEMIC YEAR 2017-18

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION

B.E. IV/IV – I SEMESTER

S. No.	Code	Subject	Scheme of Instruction				Scheme Of Examination			Credits	
			Periods/week				Duration in Hrs.	Max. Marks			
			L	T	D	P		Sem. Exam	Sessi- onals		
THEORY											
1.	EC 4010	Microwave Engineering	3	1	-	-	3	70	30	3	
2.	EC 4020	VLSI Design	3	1	-	-	3	70	30	3	
3.	EC 4030	Computer Networks	3	1	-	-	3	70	30	3	
4.	EC 4040	Mobile Cellular Communication	3	1	-	-	3	70	30	3	
5.	-	Elective-I	3	-	-	-	3	70	30	3	
6.	ME 4150	Industrial Administration and Financial Management	3	-	-	-	3	70	30	3	
PRACTICALS											
7.	EC 4311	Microwave Engineering Lab	-	-	-	3	3	50	25	2	
8.	EC 4321	Electronic Design and Automation Lab	-	-	-	3	3	50	25	2	
9.	EC 4336	Project Seminar	-	-	-	2	-	-	25	1	
		TOTAL	18	4	-	8	-	520	255	23	
		GRAND TOTAL	30					775			

S.No.	CODE	ELECTIVE – I
1	EC 4050	Embedded Systems
2	EC 4060	Optical Fiber Communication
3	EC 4070	Digital Image Processing
4	EC 4080	System Automation and Control
5	EC 4090	EMI/EMC
6	EC 4100	Software for Embedded Systems
7	EC 4110	Optimization Techniques
8	CS 4030	Information Security




For **CHAIRMAN, BoS in E.C.E**
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

WITH EFFECT FROM THE ACADEMIC YEAR 2017-18

VASAVI COLLEGE OF ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. IV/IV – II SEMESTER

S. No.	Code	Subject	Scheme of Instruction				Scheme of Examination			credits
			Periods/week				Duration in Hours	Max. Marks		
			L	T	D	P		Ext. Exam	Sessional	
THEORY										
1.	---	Elective - II	3	-	-	-	3	70	30	3
2.	---	Elective - III	3	-	-	-	3	70	30	3
PRACTICALS										
3.	EC 4425	Project / Internship	-	-	-	18	Viva-Voce	50	50	9
TOTAL			6	-	-	18	-	190	110	15
GRAND TOTAL			24					300		

S.No.	CODE	ELECTIVE – II
1	EC 4170	Real Time Operating Systems
2	EC 4180	Coding Theory and Techniques
3	EC 4190	Design of Fault Tolerant Systems
4	EC 4200	Speech Processing
5	EC 4210	Wireless Sensor Networks
6	EC 4220	Power Electronics
7	EC 4230	Biomedical Signal Processing
8	EC 4240	Radar and Navigational Systems

S.No.	CODE	ELECTIVE – III
1	EC 4250	Nano Technology
2	EC 4260	Global Positioning Systems
3	EC 4270	Neural Networks and Fuzzy Logic
4	EC 4280	Spectral Estimation Techniques
5	EC 4290	Multi Rate Signal Processing
6	EC 4300	Telemetry and Telecontrol
7	EC 4310	Graph Theory in Engineering Applications
8	EC 4320	Satellite Communication Systems

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 For CHAIRMAN, BoS in E.C.E
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**B.E. – ELECTRONICS &
COMMUNICATION ENGINEERING
SCHEME OF INSTRUCTIONS**

R-16

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR I SEMESTER W.E. F 2016-17

Subject Code	I SEMESTER		Instruction Hours per week				Examination		Credits	
	Subject Name		L	T	D	P	Duration in Hrs	Max. Marks		
THEORY								SEE	CIE	
HS110EH	English - I		2	1	-	-	3	70	30	2
BS110MA	Engineering Mathematics - I		3	1	-	-	3	70	30	3
BS120PH	Engineering Physics		2	1	-	-	3	70	30	2
BS130CH	Engineering Chemistry		2	1	-	-	3	70	30	2
ES110CS	Computer Programming and Problem Solving using C		3	1	-	-	3	70	30	3
ES120EE	Basic Electrical Engineering (CSE, ECE, IT)		3	1	-	-	3	70	30	3
ES100CE	Basic Engineering Mechanics (Civil, Mech, EEE)									
ES130CE	Engineering Graphics - I		-	2	3	-	3	70	30	4
LABS										
HS111EH	English Language Lab - I		-	-	-	2	3	50	25	1
BS111PH	Engineering Physics Lab		-	-	-	2	3	50	25	1
BS121CH	Engineering Chemistry Lab		-	-	-	2	3	50	25	1
ES111CS	Computer Programming & Problem Solving using C Lab		-	-	-	2	3	50	25	1
ES121ME	Engineering Workshop- I		-	-	-	2	3	50	25	1
	Total		15	8	3	10		740	335	24
			36					1075		

* SEE- Semester End Examination * CIE- Continuous Internal Evaluation



for



CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR II SEMESTER W.E. F 2016-17

Subject Ref Code	II SEMESTER	Instruction Hours per week				Examination		Credits	
	Subject Name	L	T	D	P	Duration in Hrs	Max. Marks		
THEORY							SEE	CIE	
HS210EH	English – II	2	1	-	-	3	70	30	2
BS210MA	Engineering Mathematics - II	3	1	-	-	3	70	30	3
BS220PH	Applied Physics (CSE, ECE, EEE, IT, Mech)	2	1	-	-	3	70	30	2
BS230PH	Applied Physics (CIVIL)								
BS240CH	Applied Chemistry (CSE, ECE, IT)	2	1	-	-	3	70	30	2
BS250CH	Applied Chemistry (CIVIL, EEE, Mech)								
ES210CS	Object Oriented Programming using C++	3	1	-	-	3	70	30	3
ES100CE	Basic Engineering Mechanics (CSE, ECE, IT)	3	1	-	-	3	70	30	3
ES220CE	Engineering Mechanics (Civil, Mech, EEE)								
ES230CE	Engineering Graphics - II		2	3	-	3	70	30	4
LABS									
HS211EH	English Language Lab - II	-	-	-	2	3	50	25	1
BS211PH	Applied Physics Lab	-	-	-	2	3	50	25	1
BS221CH	Applied Chemistry Lab	-	-	-	2	3	50	25	1
ES211CS	Object Oriented Programming using C++ Lab	-	-	-	2	3	50	25	1
ES221ME	Engineering Workshop-II (Civil, Mech, EEE)	-	-	-	2	3	50	25	1
ES231EE	Basic Electrical Engineering Lab (For ECE)								
ES241CS	CSE workshop (CSE)								
ES251IT	IT Workshop (IT)								
Total		15	8	3	10		740	335	24
		36					1075		



for 


CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

With effect from the academic year 2017 - 2018

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. (ECE) III SEMESTER

S. No.	Course Code	Course	Scheme of Instruction				Scheme of Examination			Credits
			Hours / week				Duration in Hrs	Maximum Marks		
								SEE	CIE	
THEORY										
1	BS 310MA	Engineering Mathematics – III	3	1	-	-	3	70	30	3
2	ES 310EC	Networks Analysis	3	1	-	-	3	70	30	3
3	PC 310EC	Electronic Materials & Devices	3	1	-	-	3	70	30	3
4	PC 320EC	Electromagnetic Theory	3	2	-	-	3	70	30	4
5	MC 320CE	Environmental Studies	2	-	-	-	3	70	30	2
6	MC 310ME	Introduction to Entrepreneurship	1	-	-	-	2	35	15	1
7	HS 310EH	FS - I: Communication Skills in English-I	2	2	-	-	3	70	30	2
8	OE 3XXXX	Open Elective – 1	2	-	-	-	3	70	30	2
PRACTICALS										
9	ES 321EC	Basic Circuits Lab & Electronic Workshop	-	-	-	3	3	50	25	2
10	PC 311EC	Electronic Devices Lab	-	-	-	3	3	50	25	2
Total			19	7	-	6	-	625	275	24
Grand total			32					900		



for 
CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

With effect from the academic year 2017 - 2018

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. (ECE) – IV SEMESTER

S. No.	Course Code	Course	Scheme of Instruction				Scheme of Examination			Credits
			Hours / Week				Duration in Hrs	Maximum Marks		
			L	T	D	P		SEE	CIE	
THEORY										
1	BS 410MA	Engineering Mathematics – IV	3	1	-	-	3	70	30	3
2	ES 410ME	Basic Thermodynamics	3	-	-	-	3	70	30	3
3	PC 410EC	Analog Electronic Circuits	3	-	-	-	3	70	30	3
4	PC 420EC	Signal Analysis & Transform Techn.	3	1	-	-	3	70	30	3
5	PC 430EC	Pulse, Digital and Switching Circuits	3	1	-	-	3	70	30	3
6	MC 300EH	HVPE – I	1	-	-	-	2	35	15	1
7	HS 410EH	FS - II : Communication Skills in English-II	2	2	-	-	3	70	30	2
8	OE4XXXX	Open Elective – II	1	-	-	-	2	35	15	1
9	OE4XXXX	Open Elective – III	2	-	-	-	3	70	30	2
PRACTICALS										
10	PC 441EC	Electronics Circuits Lab	-	-	-	3	3	50	25	2
11	PC 451EC	Simulation Lab for Signals & Systems	-	-	-	3	3	50	25	2
Total			21	5	-	6		660	290	25
Grand total			32					950		

for

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CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

With effect from the academic year 2018 - 2019

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR BE V-SEMESTER w.e.f. 2018-19 under CBCS
(Students admitted in 2016-17)

S. NO.	Course Code	Course	Scheme of Instruction				Scheme of Examination			Credits
			Hrs / week				Duration in Hrs	Maximum Marks		
			L	T	D	P		SEE	CIE	
THEORY										
1	PC510EC	Integrated Circuits & Applications	3	1	-	-	3	70	30	3
2	PC520EC	Automatic Control Systems	3	1	-	-	3	70	30	3
3	PC530EC	Digital Signal Processing	3	1	-	-	3	70	30	3
4	PC540EC	Computer Organization and Architecture	3	1	-	-	3	70	30	3
5	PC550EC	Analog Communication	3	-	-	-	3	70	30	3
6	HS510EH	FS - III: Soft skills	1	1	-	-	1.5	35	15	1
7	MC510EC	FS - III: Technical Skills	1	1	-	-	1.5	35	15	1
8	OE5XXX	Open Elective – IV	1	-	-	-	2	50	30	1
9	OE5XXX	Open Elective – V	2	-	-	-	3	70	30	2
PRACTICALS										
10	PC561EC	Integrated Circuits Lab	-	-	-	2	3	50	25	1
11	PC571EC	Sensors & Systems Lab	-	-	-	2	3	50	25	1
12	PC581EC	Digital Signal Processing Lab	-	-	-	2	3	50	25	1
Total			20	6	-	6		690	315	23
Grand Total			32					1005		



With effect from the academic year 2018 - 2019

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR BE VI-SEMESTER w.e.f. 2018-19 under CBCS
(Students admitted in 2016-17)

S. No	Course Code	Course	Scheme of Instruction				Scheme of Examination			Credits
			Hrs / week				Duration in Hrs.	Maximum Marks		
			L	T	D	P		SEE	CIE	
THEORY										
1	PC610EC	Digital Communication	3	1	-	-	3	70	30	3
2	PC620EC	Transmission Lines and Antennas	3	1	-	-	3	70	30	3
3	PC630EC	Microcontrollers and Applications	3	1	-	-	3	70	30	3
4	PC640EC	Computer Networks	3	-	-	-	3	70	30	3
5	HS500EH	Economics and Finance for Engineers	2	1	-	-	3	70	30	2
6	MC500EH	Human Values & Professional Ethics - II	1	-	-	-	2	50	30	1
7	HS610EH	FS - IV : Soft Skills	1	1	-	-	1.5	35	15	1
8	MC6XXEC	FS - IV : Technical Skills	1	1	-	-	1.5	35	15	1
9	OE6XXXX	Open Elective – VI	1	-	-	-	2	50	30	1
10	OE6XXXX	Open Elective – VII	2	-	-	-	3	70	30	2
PRACTICALS										
11	PC651EC	Analog & Digital Communication Lab	-	-	-	2	3	50	25	1
12	PC661EC	Microcontrollers Lab	-	-	-	2	3	50	25	1
13	PC671EC	Computer Networks Lab	-	-	-	2	3	50	25	1
Total			20	6	-	6		740	345	23
Grand Total			32					1085		

**B.E.– ELECTRONICS & COMMUNICATION
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-18

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E. I - SEMESTER W.E. F 2018-19

B.E I Semester (CSE-ECE-IT BRANCHES)

Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination		
		Hours per Week			Exam Duration in Hrs	Maximum Marks		Credits
		L	T	P/D		SEE	CIE	
THEORY								
U18HS110EH	English language and communication-I	2	-	-	3	60	40	2
U18BS120MA	Engineering Mathematics-I	3	-	-	3	60	40	3
U18BS130PH	Semiconductor Physics (CSE & IT)	2	-	-	3	60	40	2
U18BS132PH	Waves and Optics (ECE)							
U18BS140CH	Chemistry-I	2	-	-	3	60	40	2
U18ES150CS	Programming for Problem Solving	3	-	-	3	60	40	3
U18ES160EE	Basic Electrical Engineering	2	-	-	3	60	40	2
U18ES170CE	Engineering Drawing-I	1	-	2	3	60	40	2
PRACTICALS								
U18HS111EH	English language and communication skills Lab- I	-	-	2	3	50	30	1
U18BS131PH	Physics Lab-I and	-	-	2	3	25	15	0.5
U18BS141CH	Chemistry Lab -I				3	25	15	0.5
U18ES151CS	Programming for Problem Solving lab	-	-	2	3	50	30	1
U18ES161EE	Basic Electrical Engineering lab	-	-	2	3	50	30	1
	TOTAL (CSE-ECE-IT)	15	0	10	-	620	400	20
	GRAND TOTAL	25				1020		



for



CHAIRMAN, B.E. ECE
VASAVI COLLEGE OF ENGG. (A)
HYDERABAD-500 031.

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E IISEMESTER W.E. F 2018-19 (CBCS)

B.E II Semester (CSE-ECE-IT BRANCHES)								
Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination		
		Hours per Week		Exam Duration in Hrs	Maximum Marks		Credits	
		L	T	P/D	SEE	CIE		
THEORY								
U18HS210EH	English language and communication-II	2		-	3	60	40	2
U18BS220MA	Engineering Mathematics-II	3		-	3	60	40	3
U18BS230PH	Optoelectronic Devices (CSE & IT)	2		-	3	60	40	2
U18BS232PH	Quantum Mechanics & Semiconductor Physics(ECE)							
U18BS240CH	Chemistry-II	2	-	-	3	60	40	2
U18ES250EC	Introduction to Electronics Engineering (CSE)	3			3	60	40	3
U18ES250CS	Object oriented programming through C++ (ECE)							
U18ES250IT	Data Structures (I.T)							
U18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
U18ES270CE	Engineering Drawing-II	1	-	2	3	60	40	2



for 

CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

**B.E.– ELECTRICAL & ELECTRONICS
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-14

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15

B.E. I YEAR- I SEMESTER Common to All Branches

B.E. 1 YEAR - I SEMESTER Common to All Branches										
S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Sem. Exam	Sessionals	
THEORY										
1	HS1100	English-I	3	-	-	-	3	50	30	2
2	MA1110	Mathematics-I	3	1	-	-	3	70	30	3
3	PH1120	Engineering Physics-I	3	-	-	-	3	70	30	3
4	CH1130	Engineering Chemistry-I	3	-	-	-	3	70	30	3
5	CS1140	Programming in 'C' &Problem solving	3	1	-	-	3	70	30	3
6	CE1150	Engineering Mechanics-I	3	2	-	-	3	70	30	3
7	CE1160	Engineering Graphics-I	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1111	English Language Lab-I	-	-	-	3	3	50	25	2
9	PH1121	Physics Lab-I	-	-	-	3	3	50	25	2
10	CH1131	Chemistry Lab-I	-	-	-	3	3	50	25	2
11	CS 1141	'C' Programming Lab	-	-	-	3	3	50	25	2
12	ME1161	Workshop Practice-I	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15

B.E. I YEAR- II SEMESTER Common to Civil, Mechanical and EEE Branches

B.E. I YEAR- II SEMESTER Common to Civil, Mechanical and EEE Branches										
S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Sem. Exam	Sessionals	
THEORY										
1	HS1200	English-II	3	-	-	-	3	50	30	2
2	MA1210	Mathematics-II	3	1	-	-	3	70	30	3
3	PH1220	Engineering Physics-II	3	-	-	-	3	70	30	3
4	CH1230	Engineering Chemistry-II	3	-	-	-	3	70	30	3
5	CS1240	Object Oriented Programming using C++	3	1	-	-	3	70	30	3
6	CE1250	Engineering Mechanics-II	3	2	-	-	3	70	30	3
7	CE1260	Engineering Graphics-II	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1211	English Language Lab-II	-	-	-	3	3	50	25	2
9	PH1221	Physics Lab-II	-	-	-	3	3	50	25	2
10	CH1231	Chemistry Lab-II	-	-	-	3	3	50	25	2
11	CS 1241	C++ Programming Lab	-	-	-	3	3	50	25	2
12	ME1251	Workshop Practice-II	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30


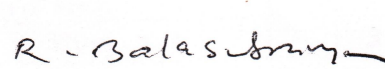
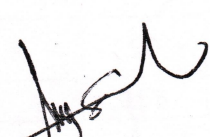
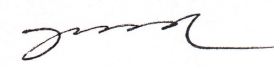
M. Chakravarty

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2015-2016

B.E. II YEAR – I - SEMESTER

S.NO	Sub reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Final Exam	Sessionals	
THEORY										
1	EE 2010	Electric Circuits-I	4	1	-	-	3	70	30	4
2	EE 2020	Electrical Measurements & Instruments	4	-	-	-	3	70	30	3
3	EE 2030	Electromagnetic Theory	4	1	-	-	3	70	30	4
4	MA 2010	Mathematics-III	4	-	-	-	3	70	30	3
5	ME 2070	Principles of Mechanical Engineering	4	-	-	-	3	70	30	3
6	EC 2140	Electronic Engineering-I	4	-	-	-	3	70	30	3
7	2010	Finishing School	2	1	-	-	-	70	30	2
PRACTICALS										
8	EC 2401	Electronic Engineering-I Lab	-	-	-	3	3	50	25	2
9	EE 2031	Circuits and Measurements Lab	-	-	-	3	3	50	25	2
		TOTAL	26	3	-	6		590	260	26

S.NO	Sub reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
								Univ. Exam	Sessionals	
			L	T	D	P				
SERVICE COURSE - THEORY / LAB										
PRACTICALS										
1	EE 2041	Basic Electrical Engineering Lab (For ECE)	-	-	-	3	3	50	25	2
		Total				3		50	25	2

 (K.V. RAMANA MURTHY)
  (DR. R. BALASUBRAMANIAN)
  (V. SRINIVAS)
  (DR. P.V.N. PRASAD)


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2015-2016

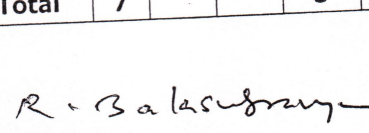
B.E. II YEAR – II - SEMESTER

B.E. II YEAR – II – SEMESTER


S.NO	Sub reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
								Final Exam	Sessionals	
L	T	D	P							
THEORY										
1	EE 2040	Electrical Circuits – II	4	1	-	-	3	70	30	4
2	EE 2050	Digital Electronics and Logic Design	4	-	-	-	3	70	30	3
3	EE 2060	Power Systems-I	4	1	-	-	3	70	30	4
4	EE 2070	Electrical Machinery – I	4	1	-	-	3	70	30	4
5	EC 2290	Electronic Engineering – II	4	-	-	-	3	70	30	3
6	CE 2090	Environmental Studies	4	-	-	-	3	70	30	3
7	2020	Finishing School	2	1	-	-	-	70	30	2
PRACTICALS										
8	EC 2501	Electronic Engineering – II Lab	-	-	-	3	3	50	25	2
9	ME 2021	Mechanical Technology Lab	-	-	-	3	3	50	25	2
TOTAL			26	4	-	6		590	260	27

S.NO	Sub reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Univ. Exam	Sessionals	
SERVICE COURSE - THEORY / LAB										
THEORY										
1	EE 2090	Electrical Circuits And Machines (For Mech.)	4	-	-	-	3	70	30	3
2	EE 2100	Electrical Technology (For Civil)	3	-	-	-	1.5	35	15	2
PRACTICALS										
3	EE 2111	Electrical Circuits And Machines Lab (For Mech.)	-	-	-	3	3	50	25	2
		Total	7			3		155	70	7


 Prof. K.V. RAMANA MURTHY


 (Dr. R. BALASUBRAMANIAN)

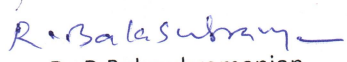

 (VSRNIVAS)

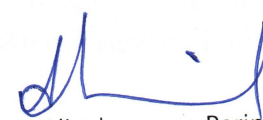

 (Dr. R.V.N. PRASAD)


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
 SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2016-2017

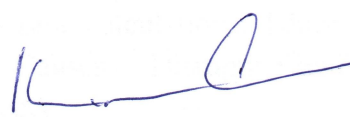
B.E. III YEAR – I - SEMESTER

B.E. III YEAR – I - SEMESTER										
S.NO	Sub reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Final Exam	Sessionals	
THEORY										
1	EE 3010	Power System- II	4		-	-	3	70	30	3
2	EE 3020	Electrical Machinery - II	4	1	-	-	3	70	30	3
3	EE 3030	Power Electronics	4	1	-	-	3	70	30	3
4	EE 3040	Linear Integrated Circuits	4		-	-	3	70	30	3
5	EE 3050	Linear Control Systems	4	1	-	-	3	70	30	3
6	EE 3110	Finishing School - Technical Skills	2	-	-	-	1.5	35	15	1
7	HS 3110	Finishing School – Soft Skills-1	2	-	-	-	1.5	35	15	1
PRACTICALS										
8	EE 3031	Electrical Machines-I Lab	-	-	-	3	3	50	25	2
9	EE 3041	Control System Lab	-	-	-	3	3	50	25	2
10	EE 3051	Mini Project	-	-	-	3	3	50	25	2
		TOTAL	24	3	-	9	-	570	255	23


 Dr.R.Balasubramanian
 Member-BOS, Subject Expert


 Dr.Alivelumanga Parimi
 Member-BOS, OU Nominee


 V.Srinivas
 Member-BOS, Industry Expert


 Prof. K.V. Ramana Murthy
 BOS Chairman

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
 SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2016-2017

B.E. III YEAR – II - SEMESTER

S.NO	Sub reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Final Exam	Sessionals	
THEORY										
1	EE 3060	Digital Signal Processing	4	-	-	-	3	70	30	3
2	EE 3070	Electrical Machinery - III	4	1	-	-	3	70	30	3
3	EE 3080	Switchgear and Protection	4	-	-	-	3	70	30	3
4	EE 3090	Microprocessors and Microcontrollers	4	-	-	-	3	70	30	3
5	EE 3100	Electric Drives and Static Control	4	-	-	-	3	70	30	3
6	EE 3120	Finishing School - Technical Skills	2	-	-	-	1.5	35	15	1
7	HS 3210	Finishing School – Soft Skills	2	-	-	-	1.5	35	15	1
8	HS 3140	Human Values and Professional Ethics	2	-	-	-	1.5	35	15	1
PRACTICALS										
9	EE 3061	Electrical Machines Lab – II	-	-	-	3	3	50	25	2
10	EE 3071	Power Electronics Lab	-	-	-	3	3	50	25	2
11	EE 3081	IC Lab	-	-	-	3	3	50	25	2
		TOTAL	26	1	-	9	-	605	270	24

R. Balasubramanian

Dr.R.Balasubramanian
Member-BOS, Subject Expert

V. Srinivas

V.Srinivas
Member-BOS, Industry Expert

Dr. Alivelumanga Parimi

Dr. Alivelumanga Parimi
Member-BOS, OU Nominee

Prof. K.V. Ramana Murthy

Prof. K.V. Ramana Murthy
BOS Chairman

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2017-2018 UNDER AUTONOMY
B.E 4th Year - I – SEMESTER

S.NO	Subject Reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
								SEE	CIE	
THEORY										
1	EE4010	Power System Operation Control	4	1	-	-	3	70	30	4
2	EE4020	Electrical Machine Design	4	1	-	-	3	70	30	4
3	EE40XX	Elective - I	4	1	-	-	3	70	30	4
4	HS4010	Managerial Economics and Accountancy	4	1	-	-	3	70	30	4
PRACTICALS										
5	EE4011	MPMC Lab	-	-	-	2	3	50	25	1
6	EE4021	Power System Lab	-	-	-	2	3	50	25	1
7	EE4031	DSP Lab	-	-	-	2	3	50	25	1
8	EE4041	EECS Lab	-	-	-	2	3	50	25	1
9	EE4016	Project Seminar	-	-	-	2	-	-	25	1
		TOTAL	16	4	-	10		480	245	21
		Grand Total	30					725		
Elective – I										
	EE4030	High Voltage DC Transmission	EE4060				Nuclear Energy			
	EE4040	High Voltage Engineering	ME4150				Entrepreneurship			
	EE4050	Power Quality	EC4050				Embedded Systems			

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2017-2018 UNDER AUTONOMY

B.E 4th Year - II – SEMESTER

S.NO	Subject Reference Code	Subject	Scheme of Instructions				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
								SEE	CIE	
			L	T	D	P				
			THEORY							
1	EE-400X	Elective - II	3	0	-	-	3	70	30	3
2	EE-400X	Elective - III	3	0	-	-	3	70	30	3
3	EE-4019	Project Work / Internship		-	-	18	Viva-voce	50	50	9
		TOTAL	6	0	-	18		190	110	15
		Grand Total	24					300		

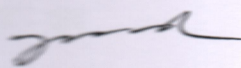
• Elective – II

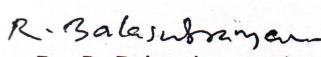
1. EE-4070: Electrical Power Distribution Engineering ✓
2. EE-4080: Advanced Control systems ✓
3. EC-4110: Optimization Techniques ✓
4. EC-4020: VLSI Design
5. CE-4531: Disaster Mitigation and Management — Not present

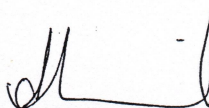
• Elective – III


1. EE-4090: Renewable Energy Sources ✓
2. EE-4100: Transducers ✓
3. EE-4110: Power System Reliability ✓
4. EE-4120: Electronic Instrumentation systems ✓
5. EE-4130: EHV AC Transmission ✗
6. EC-4070: Digital Image Processing ✓
7. XX-XXXX: Soft Computing ✗

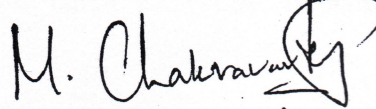
* BOS Members may kindly permit us for any modification of subject code in future.


 Dr. P.V.N. Prasad
 Member-BOS, Subject Expert


 Dr. R. Balasubramanian
 Member-BOS, Subject Expert


 Dr. Alivelumanga Parimi
 Member-BOS, OU Nominee


 Mr. V. Srinivas
 Member-BOS, Industry Expert


 Dr. M. Chakravarthy
 BOS chairman

**B.E.– ELECTRICAL & ELECTRONICS
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-16

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR I SEMESTER W.E. F 2016-17

Subject Code	I SEMESTER		Instruction Hours per week				Examination		Credits	
	Subject Name		L	T	D	P	Duration in Hrs	Max. Marks		
THEORY							SEE	CIE		
HS110EH	English - I		2	1	-	-	3	70	30	2
BS110M A	Engineering Mathematics - I		3	1	-	-	3	70	30	3
BS120PH	Engineering Physics		2	1	-	-	3	70	30	2
BS130CH	Engineering Chemistry		2	1	-	-	3	70	30	2
ES110CS	Computer Programming and Problem Solving using C		3	1	-	-	3	70	30	3
ES120EE	Basic Electrical Engineering (CSE, ECE, IT)		3	1	-	-	3	70	30	3
ES100CE	Basic Engineering Mechanics (Civil, Mech, EEE)									
ES130CE	Engineering Graphics - I		-	2	3	-	3	70	30	4
LABS										
HS111EH	English Language Lab - I		-	-	-	2	3	50	25	1
BS111PH	Engineering Physics Lab		-	-	-	2	3	50	25	1
BS121CH	Engineering Chemistry Lab		-	-	-	2	3	50	25	1
ES111CS	Computer Programming & Problem Solving using C Lab		-	-	-	2	3	50	25	1
ES121ME	Engineering Workshop- I		-	-	-	2	3	50	25	1
	Total		15	8	3	10		740	335	24
			36					1075		

* SEE- Semester End Examination * CIE- Continuous Internal Evaluation

M. Chakravarthy

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR II SEMESTER W.E. F 2016-17


SCHEME OF INSTRUCTION AND EXAMINATIONS FOR B.E FIRST YEAR II SEMESTER W.E.F 2016-17										
Subject Ref Code	II SEMESTER		Instruction Hours per week				Examination		Credits	
	Subject Name		L	T	D	P	Duration in Hrs	Max. Marks		
								SEE		CIE
THEORY										
HS210EH	English – II		2	1	-	-	3	70	30	2
BS210MA	Engineering Mathematics - II		3	1	-	-	3	70	30	3
BS220PH	Applied Physics (CSE, ECE, EEE, IT, Mech)		2	1	-	-	3	70	30	2
BS230PH	Applied Physics (CIVIL)									
BS240CH	Applied Chemistry (CSE, ECE, IT)		2	1	-	-	3	70	30	2
BS250CH	Applied Chemistry (CIVIL, EEE, Mech)									
ES210CS	Object Oriented Programming using C++		3	1	-	-	3	70	30	3
ES100CE	Basic Engineering Mechanics (CSE, ECE, IT)		3	1	-	-	3	70	30	3
ES220CE	Engineering Mechanics (Civil, Mech, EEE)									
ES230CE	Engineering Graphics - II			2	3	-	3	70	30	4
LABS										
HS211EH	English Language Lab - II		-	-	-	2	3	50	25	1
BS211PH	Applied Physics Lab		-	-	-	2	3	50	25	1
BS221CH	Applied Chemistry Lab		-	-	-	2	3	50	25	1
ES211CS	Object Oriented Programming using C++ Lab		-	-	-	2	3	50	25	1
ES221ME	Engineering Workshop-II (Civil, Mech, EEE)		-	-	-	2	3	50	25	1
ES231EE	Basic Electrical Engineering Lab (For ECE)									
ES241CS	CSE workshop (CSE)									
ES251IT	IT Workshop (IT)									
Total			15	8	3	10		740	335	24
			36					1075		

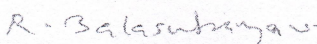
U. Chakravarthy


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING


SCHEME OF INSTRUCTION AND EXAMINATION for 3rd Semester W.E.F.
2017-2018 UNDER CBCS admitted for the students in the year 2016-17

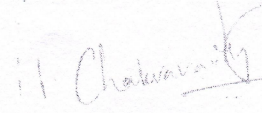
Subject Code	Subject Name	III SEMESTER							Credits
		Instruction Hours per week				Examination			
		L	T	D	P	Duration	Max. Marks		
						Hours	SEE	CIE	
BS310MA	Engineering Mathematics - III	3	1	0	0	3	70	30	3
MC310CE	Environmental Studies (ECE, EEE, IT)	2	1	0	0	3	70	30	2
HS310EH	FS-I: Communication Skills	2	2	0	0	3	70	30	2
MC320ME	Basics of Entrepreneurship	1	0	0	0	2	50	30	1
OE310XX	Open Elective - I	2	0	0	0	3	70	30	2
PC310EC	Electronics Engineering-I	3	0	0	0	3	70	30	3
PC320EE	Electromagnetic Field Theory	3	1	0	0	3	70	30	3
PC330EE	Electrical Circuits-I	3	1	0	0	3	70	30	3
PC340EE	Electrical Machines-I	3	0	0	0	3	70	30	3
LABS									
PC311EE	Circuits & Simulation lab	0	0	0	2	3	50	25	1
PC321EC	Electronics Engineering lab-I	0	0	0	2	3	50	25	1
Total		22	6	0	4		710	320	
Contact hours		32					1030		24


 Dr.P.V.N. Prasad
 Member-BOS, Subject Expert


 Dr. R. Balasubramanian
 Member-BOS, Subject Expert


 Dr. Alivelumanga Parimi
 Member-BOS, OU Nominee



 Mr. V. Srinivas
 Member-BOS, Industry Expert

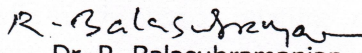

 Dr. M.Chakravarthy
 BOS chairman


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING


SCHEME OF INSTRUCTION AND EXAMINATION for 4th Semester W.E.F.
2017-2018 UNDER CBCS admitted for the students in the year 2016-17

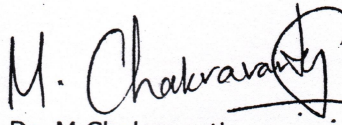
Subject Code	Subject Name	IV SEMESTER				Credits		
		Instruction Hours per week				Examination		
		L	T	D	P	Duration	Max. Marks	Credits
						Hours	SEE	CIE
BS410MA	Engineering Mathematics - IV	3	1	0	0	3	70	30
MC410EH	HVPE – I (ECE, EEE, IT)	1	0	0	0	2	50	30
HS410EH	FS-II : Communication Skills	2	2	0	0	3	70	30
OE410XX	Open Elective - II	1	0	0	0	2	35	50
OE420XX	Open Elective - III	2	0	0	0	3	70	30
PC410EC	Electronics Engineering-II	3	1	0	0	3	70	30
PC420EE	Electrical circuits-II	3	1	0	0	3	70	30
PC430EE	Power System-I	3	1	0	0	3	70	30
PC440EE	Electrical Machines-II	3	1	0	0	3	70	30
LABS								
PC411EC	Electronics Engineering Lab-II	0	0	0	2	3	50	25
PC421EE	Electrical Machinery Lab-I	0	0	0	2	3	50	25
Total		21	7	0	4		690	320
Contact hours		32					1020	


 Dr.P.V.N. Prasad
 Member-BOS, Subject Expert


 Dr. R. Balasubramanian
 Member-BOS, Subject Expert


 Dr. Arivelumanga Parimi
 Member-BOS, OU Nominee


 Mr. V. Srinivas
 Member-BOS, Industry Expert


 Dr. M. Chakravarthy
 BOS chairman

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR BE V-SEMESTER w.e.f. 2018-19 under CBCS
(Students admitted in 2016-17)

SCHEME OF INSTRUCTION AND EXAMINATION FOR B.TECH. (Students admitted in 2016-17)									
Course Code	Course Name	Instruction Hours/ week				Examination			
		L	T	D	P	Duration Hours	Max. Marks		
							SEE	CIE	
	Theory								
		3	1	0	0	3	70	30	3
PC510EE	Power Systems-II	3	1	0	0	3	70	30	3
PC520EE	Electrical Measurements & Instrumentation	3	1	0	0	3	70	30	3
PC530EE	Power Electronics	3	1	0	0	3	70	30	3
PC540EE	Linear Control Systems	3	0	0	0	3	70	30	3
PC550EE	Digital Electronics & Logic Design	1	1	0	0	1.5	35	15	1
HS510EH	FS- III : Soft Skills	1	1	0	0	1.5	35	15	1
MC510EE	FS- III : Technical Skills	1	0	0	0	2	50	30	1
OE510EE	Open Elective-IV	2	0	0	0	3	70	30	2
OE520ES	Open Elective-V								
	LABS								
		0	0	0	2	3	50	25	1
PC511EE	Electrical Machines Lab-II	0	0	0	2	3	50	25	1
PC521EE	Controls Systems & Simulation Lab	0	0	0	2	3	50	25	1
PC531EE	Electrical Measurements Lab	20	6	0	6		690	315	23
	Total							1005	
	Grand Total				32				

Handwritten signature: N. Chakravarti

Dr.G.Yesuratnam
 Member-BOS, Subject Expert 1

Dr. Vinod Kumar D M
 Member-BOS Subject Expert 2

Dr. P.V.N. Prasad
 Member-BOS Subject Expert 3

V.Srinivas
 Member-BOS, Industry Expert

Dr.M.Chakravarthy
 BOS Chairman

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR BE VI-SEMESTER w.e.f. 2018-19 under CBCS
(Students admitted in 2016-17)

Course Code	Subject Name	Instruction Hours per Week				Examination			
		L	T	D	P	Duration	Max. Marks		
							Hours	SEE	
PC610EE	Linear Integrated Circuits	3	0	0	0	3	70	30	3
PC620EE	Switchgear & Protection	3	1	0	0	3	70	30	3
PC630EE	Signals & Systems	3	1	0	0	3	70	30	3
PC640EE	Microprocessor and Microcontrollers	3	1	0	0	3	70	30	3
HS500EH	Economics and Finance for Engineers (ECE, EEE, IT)	2	1	0	0	3	70	30	2
MC500EH	HVPE– II (ECE, EEE, Mech.)	1	0	0	0	2	50	30	1
HS610EH	FS– IV : Soft Skills	1	1	0	0	1.5	35	15	1
MC610XX	FS– IV : Technical Skills	1	1	0	0	1.5	35	15	1
OE6XXXX	Open elective-VI	1	0	0	0	2	50	30	1
OE6XXXX	Open elective-VII	2	0	0	0	3	70	30	2
LABS									
PC611EE	Power Systems Lab	0	0	0	2	3	50	25	1
PC621EE	Power Electronics & Simulation Lab	0	0	0	2	3	50	25	1
PC639EE	Mini Project	0	0	0	2	-	-	25	1
Total		20	6	0	6		690	345	23
Grand Total		32					1035		

Dr.G.Yesuratnam

Dr. Vinod Kumar D M

Dr. P.V.N. Prasad

V.Srinivas

Dr.M.Chakravarthy

Member-BOS, Subject Expert 1 Member-BOS Subject Expert 2 Member-BOS Subject Expert 3 Member-BOS, Industry Expert

BOS Chairman

**B.E.– ELECTRICAL & ELECTRONICS
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-18

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E. I - SEMESTER W.E. F 2018-19

B.E I Semester (CSE-ECE-IT BRANCHES)

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E. I - SEMESTERW.E. F 2018-19								
E.E I Semester (CSE-ECE-IT BRANCHES)								
Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination		Credits
		Hours per Week			Exam Duration in Hrs	Maximum Marks		
		L	T	P/D		SEE	CIE	
THEORY								
U18HS110EH	English language and communication-I	2	-	-	3	60	40	2
U18BS120MA	Engineering Mathematics-I	3	-	-	3	60	40	3
U18BS130PH	Semiconductor Physics (CSE & IT)	2	-	-	3	60	40	2
U18BS132PH	Waves and Optics (ECE)	2	-	-	3	60	40	2
U18BS140CH	Chemistry-I	3	-	-	3	60	40	3
U18ES150CS	Programming for Problem Solving	2	-	-	3	60	40	2
U18ES160EE	Basic Electrical Engineering	2	-	-	3	60	40	2
U18ES170CE	Engineering Drawing-I	1	-	2	3	60	40	2
PRACTICALS								
U18HS111EH	English language and communication skills Lab- I	-	-	2	3	50	30	1
U18BS131PH	Physics Lab-I and	-	-	2	3	25	15	0.5
U18BS141CH	Chemistry Lab -I	-	-	2	3	25	15	0.5
U18ES151CS	Programming for Problem Solving lab	-	-	2	3	50	30	1
U18ES161EE	Basic Electrical Engineering lab	-	-	2	3	50	30	1
TOTAL (CSE-ECE-IT)		15	0	10	-	620	400	20
GRAND TOTAL		25				1020		

B.E I Semester (CIVIL- EEE-MECH BRANCHES)								
Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination		
		Hours per Week			Exam Duration in Hrs	Maximum Marks		Credit s
		L	T	P/D		SEE	CIE	
THEORY								
U18HS110EH	English language and communication-I	2	-	-	3	60	40	2
U18BS120MA	Engineering Mathematics-I	3	-	-	3	60	40	3
U18BS132PH	Waves and Optics (EEE)	2		-	3	60	40	2
U18BS133PH	Oscillations, Waves and Optics (Civil &Mech)							
U18BS140CH	Chemistry-I	2		-	3	60	40	2
U18ES150CS	Programming for Problem Solving	3	-	-	3	60	40	3
U18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
U18ES180CE	Engineering Graphics-I	1	-	2	3	60	40	2
PRACTICALS								
U18HS111EH	English language and communication skills lab-I	-	-	2	3	50	30	1
U18BS131PH	Physics Lab-I and	-	-	2	3	25	15	0.5
U18BS141CH	Chemistry Lab -I				3	25	15	0.5
U18ES151CS	Programming for Problem Solving lab	-	-	2	3	50	30	1
U18ES171ME	Workshop-I	-	-	2	3	50	30	1
TOTAL (CIVIL-EEE-MECH)		16	0	10		620	400	21
GRAND TOTAL		26				1020		21

M. Chakraborty

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E II SEMESTER W.E. F 2018-19 (CBCS)

B E II Semester (CSE-ECE-IT BRANCHES)								
Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination		
		Hours per Week		Exam Duration in Hrs	Max Marks		Credits	
		L	T		P/D	SEE		CIE
PRACTICALS								
U18HS211EH	English language and communication skills lab-II	-	-	2	3	50	30	1
U18BS231PH	Physics Lab-II	-	-	2	3	25	15	0.5
U18BS241CH	Chemistry Lab -II	-	-		3	25	15	0.5
U18ES251EC	Introduction to Electronics Engineering Lab (CSE)	-	-	2	3	50	30	1
U18ES251CS	Object oriented programming using C++ Lab (ECE)							
U18ES251IT	Data Structures Lab (I.T)							
U18ES171ME	Workshop-I	-	-	2	3	50	30	1
TOTAL (CSE-ECE-IT)		16	0	10		620	400	21
GRAND TOTAL		26			1020			21

Student Handbook-2018-19

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E II SEMESTER W.E. F 2018-19

B.E II Semester (CIVIL- EEE-MECH BRANCHES)

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E II SEMESTER W.E. F 2018-19									
B.E II Semester (CIVIL- EEE-MECH BRANCHES)									
Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination		Credits	
		Hours per Week			Exam Duration in Hrs	Maximum Marks			
		L	T	P/D		SEE	CIE		
THEORY									
U18HS210EH	English language and communication-II	2	-	-	3	60	40	2	
U18BS220MA	Engineering Mathematics-II	3		-	3	60	40	3	
U18BS232PH	Quantum Mechanics & Semiconductor Physics (EEE)	2		-	3	60	40	2	
U18BS233PH	Applied Physics (CIVIL-MECH)	2		-	3	60	40	2	
U18BS240CH	Chemistry-II	2	-	-	3	60	40	2	
U18ES160EE	Basic Electrical Engineering	1	-	2	3	60	40	2	
U18ES250CE	Engineering Graphics-II	3		-	3	60	40	3	
U18ES260CE	Engineering Mechanics								
PRACTICALS									
U18HS211EH	English language and communication skills Lab-II	-	-	2	3	50	30	1	
U18BS231PH	Physics Lab-II	-	-	2	3	25	15	0.5	
U18BS241CH	Chemistry Lab -II	-	-	2	3	25	15	0.5	
U18ES161EE	Basic Electrical Engineering lab	-	-	2	3	50	30	1	
U18ES271ME	Workshop -II	15	0	10		620	400	20	
TOTAL (CIVIL-EEE-MECH)					25		1020	20	
GRAND TOTAL									

Student Handbook-2018-19

M. Chakravarthy

**B.E.– INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTIONS**

R-14

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15
B.E. I YEAR- I SEMESTER Common to All Branches

B.E. I YEAR- I SEMESTER Common to All Branches										
S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Sem. Exam	Sessionals	
THEORY										
1	HS1100	English-I	3	-	-	-	3	50	30	2
2	MA1110	Mathematics-I	3	1	-	-	3	70	30	3
3	PH1120	Engineering Physics-I	3	-	-	-	3	70	30	3
4	CH1130	Engineering Chemistry-I	3	-	-	-	3	70	30	3
5	CS1140	Programming in 'C' &Problem solving	3	1	-	-	3	70	30	3
6	CE1150	Engineering Mechanics-I	3	2	-	-	3	70	30	3
7	CE1160	Engineering Graphics-I	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1111	English Language Lab-I	-	-	-	3	3	50	25	2
9	PH1121	Physics Lab-I	-	-	-	3	3	50	25	2
10	CH1131	Chemistry Lab-I	-	-	-	3	3	50	25	2
11	CS 1141	'C' Programming Lab	-	-	-	3	3	50	25	2
12	ME1161	Workshop Practice-I	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		50	25	2
		GRAND TOTAL	45					720	335	30
								1055		30

Head of the Department
Department of Information Technology
Vasavi College of Engineering (Autonomous)
Hyderabad-500031

N. VASANTHA

SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15
B.E. I YEAR- II SEMESTER common to CSE, ECE and IT Branches

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Sem. Exam	Sessional	
THEORY										
1	HS1200	English-II	3	-	-	-	3	50	30	2
2	MA1210	Mathematics-II	3	1	-	-	3	70	30	3
3	PH1270	Engineering Physics-II	3	-	-	-	3	70	30	3
4	CH1280	Engineering Chemistry-II	3	-	-	-	3	70	30	3
5	CS1240	Object Oriented Programming using C++	3	1	-	-	3	70	30	3
6	EE1260	Basic Electrical Engineering	3	2	-	-	3	70	30	3
7	CE1260	Engineering Graphics-II	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1211	English Language Lab-II	-	-	-	3	3	50	25	2
9	PH1221	Physics Lab-II	-	-	-	3	3	50	25	2
10	CH1231	Chemistry Lab-II	-	-	-	3	3	50	25	2
11	CS 1241	C++ Programming Lab	-	-	-	3	3	50	25	2
12	EC1261	Electronics Workshop (ECE)	-	-	-	3	3	50	25	2
	CS1271	CS Workshop (CSE)								
	IT 1291	IT Workshop (IT)								
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
9-5-81, Ibrahimbagh, Hyderabad-500031
DEPARTMENT OF INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTION AND EXAMINATION FOR B.E. II YEAR- I-SEMESTER
B.E. II/IV (Regular)

S No.	Code	Subject	Scheme of Instruction			Scheme of Examination			
			Periods per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		SEM Exam	Sessio nals	
1	IT 2010	Discrete Mathematics	3	1		3	70	30	3
2	IT2020	Micro Electronics	3	1		3	70	30	3
3	IT2030	Digital Electronics & Logic Design	3	2		3	70	30	4
4	IT2040	Data Structures	3	1		3	70	30	3
5	IT2050	Signals & Systems	3	1		3	70	30	3
6	IT2060	Computer Organization	3	1		3	70	30	3
7	HS2140	Human Values & Professional Ethics	2			3	70	30	1
8	HS2190	Finishing School-I	2			3	70	30	2
Practicals									
9	IT2071	Basic Electronics Lab			3	3	50	25	2
10	IT2081	Data Structures Lab			3	3	50	25	2
11	IT2095	Mini Project-I				3		25	1
		Total	22	7	6		660	315	27
		Grand Total	35			-	975		

N. Vasantha
N. VASANTHA
Head of the Department
Department of Information Technology
Vasavi College of Engineering (Autonomous)
Hyderabad-500031

VASAVI COLLEGE OF ENGINEERING (Autonomous)
INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTION AND EXAMINATION FOR 2/4 B.E- II Semester

S No.	Code	Subject	Scheme of Instruction			Scheme of Examination			
			Periods per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		SEM Exam	Sessio nals	
Theory									
1	IT2100	Probability & Random Processes	3	1		3	70	30	3
2	IT2110	Microprocessor & Microcontroller	3	1		3	70	30	3
3	IT2120	OOP using Java	3	1		3	70	30	3
4	IT2130	Data Communication	3	2		3	70	30	4
5	IT2140	Design & Analysis of Algorithms	3	1		3	70	30	3
6	CE2090	Environmental Studies	4			3	70	30	3
7	HS2260	Finishing School-II	2			3	70	30	1
Practical's									
8	IT2151	Microprocessor Lab			3	3	50	25	2
9	IT2161	Java Programming Lab			3	3	50	25	2
10	IT2175	Mini Project-II			3	-	-	25	1
		Total	21	6	9		590	285	
		Grand Total	36				875		25

**SCHEME OF INSTRUCTION AND EXAMINATION
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
INFORMATION TECHNOLOGY
B.E. III YEAR - I-Semester**

INFORMATION TECHNOLOGY B.E. III YEAR - I-Semester										
S N o	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Univ. Exam	Sessionals	
1	IT3010	Data Base Management Systems	3	1			3	70	30	3
2	IT3020	Digital Signal Processing	3	2			3	70	30	4
3	IT3030	Software Engineering	3	1			3	70	30	3
4	IT3040	Operating Systems	3	1			3	70	30	3
5	IT3050	Theory of Automata	3	1			3	70	30	3
6	IT3060	Web Technologies	3	1			3	70	30	3
7	IT3170	Finishing School – Technical skills	2				1 ½	35	15	1
8	HS3110	Finishing School – Soft Skills -I	2				1 ½	35	15	1
9	HS3140	Human Values and Professional Ethics -II	2				1 ½	35	15	1
Practicals										
10	IT3071	DBMS Lab				3	3	50	25	2
11	IT3081	Operating Systems Lab				3	3	50	25	2
12	IT3095	Mini Project-III				3	-	-	25	1
		Total	24	7		9		625	300	27
		Grand Total	40					925		27

K. Srinivas

[Signature]

Associate Professor
Department of Information Technology
Vasavi College of Engineering (Autonomous)
Ibrahimbagh, Hyderabad-500031, TG
Ph: 040-23146050, 23146052

**SCHEME OF INSTRUCTION AND EXAMINATION
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
INFORMATION TECHNOLOGY**

B.E. III YEAR - II-Semester

S N o	Code	Subject	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Univ. Exam	Sessionals	
1	HS3010	Managerial Economics & Accountancy	4				3	70	30	3
2	IT3100	Compiler Construction	3	1			3	70	30	3
3	IT3110	Computer Networks	3	1			3	70	30	3
4	IT3120	Data Warehousing & Data Mining	3	2			3	70	30	4
5	IT3130	Object Oriented System Development	3	1			3	70	30	3
6	IT3180	Finishing School – Technical skills	2				1 ½	35	15	1
7	HS3210	Finishing School – Soft Skills -II	2				1 ½	35	15	1
Practicals										
8	IT3141	Network Programming using JAVA Lab				3	3	50	25	2
9	IT3151	OOSD & CC Lab				3	3	50	25	2
10	IT3165	Mini Project-IV				3	-	-	25	1
		Total	20	5		9		520	255	23
		Grand Total		34				775		23

K. Srinivas

[Signature]
10/11/2017

Associate Professor
Department of Information Technology
Vasavi College of Engineering (Autonomous)
Ibrahimbagh, Hyderabad-500031, TS
Ph: 040-23146050, 23146052

VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

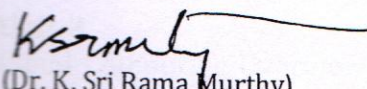
SCHEME OF INSTRUCTION AND EXAMINATION
for the students admitted in the academic year 2014-2015
(with effect from the academic year 2017-18)

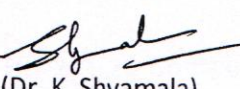
IV Year I-Semester

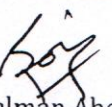
S No.	Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		SEE	CIE	
1	IT4010	Distributed & Cloud Computing	3	1	-	-	3	70	30	3
2	IT4020	Embedded Systems	3	1	-	-	3	70	30	3
3	IT4030	Information Security	3	1	-	-	3	70	30	3
4	IT4040	VLSI Design	3	1	-	-	3	70	30	3
5	IT4**0	Elective I	3	1	-	-	3	70	30	3
6	IT4**0	Elective II	3	1	-	-	3	70	30	3
PRACTICALS										
7	IT4121	Distributed & Cloud Computing Lab	-	-	-	2	3	50	25	1
8	IT4131	Embedded Systems Lab	-	-	-	2	3	50	25	1
9	IT4145	Project Seminar	-	-	-	2	-	-	25	1
Total			18	6	-	6	-	520	255	21
Grand Total			30				-	775		

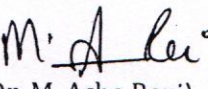
Elective-I	
1. IT4050	Wireless & Mobile Communications
2. IT4060	Ad-hoc & Sensor Networks
3. IT4070	Network Security
4. ME4150	Entrepreneurship


Elective-II	
1. IT4080	Information Retrieval Systems
2. IT4090	Information Storage Management
3. IT4100	Digital Image Processing
4. IT4110	Artificial Intelligence

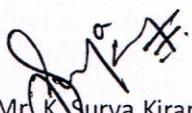

(Dr. K. Sri Rama Murthy)
OU Nominee

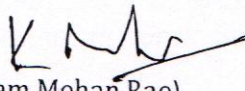

(Dr. K. Shyamala)
Subject Expert


(Dr. Salman Abdul Moiz)
Subject Expert


(Dr. M. Asha Rani)
Subject Expert


(Mr. Raju Kanchibhotla)
Industry Representative


(Mr. K. Surya Kiran)
UG Alumnus


(Dr. K. Ram Mohan Rao)
Chairman, BOS

VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY


SCHEME OF INSTRUCTION AND EXAMINATION
for the students admitted in the academic year 2014-2015
(with effect from the academic year 2017-18)


IV Year II-Semester


S No.	Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		SEE	CIE	
1	IT4**0	Elective III	3	-	-	-	3	70	30	3
2	IT4**0	Elective IV	3	-	-	-	3	70	30	3
PRACTICALS										
3	IT4215	Project Work / Internship				18	Viva	50	50	9
Total			6	-	-	18	-	190	110	15
Grand Total			24				-	300		

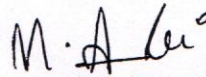
Elective-III	
1. IT4150	Software Reuse Techniques
2. IT4160	Software Project Management
3. IT4170	Middleware Technologies
4. IT4180	Software Testing

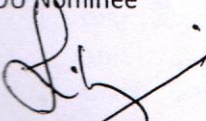
Elective-IV	
1. IT4190	Machine Learning
2. IT4200	Natural Language Processing
3. ME4210	Intellectual Property Rights
4. CE4530	Disaster Management



(Dr. K. Sri Rama Murthy)
OU Nominee



(Dr. K. Shyamala)
Subject Expert


(Dr. Salman Abdul Moiz)
Subject Expert


(Dr. M. Asha Rani)
Subject Expert


(Mr. Raju Kanchibhotla)
Industry Representative


(Mr. K. Surya Kiran)
UG Alumnus


(Dr. K. Ram Mohan Rao)
Chairman, BOS

**B.E.– INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTIONS**

R-16

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS UNDER CBCS FOR FIRST YEAR B.E w.e.f 2016-17

Subject Code	B.E FIRST YEAR I SEMESTER							
	Subject Name	Instruction Hours per week				Examination		
		L	T	P	C	Duration in Hrs	Max. Marks	
THEORY							SEM Exam	CIE
HS1100	English - I	2	1	0	2	3	50	25
MA1100	Engineering Mathematics - I	3	1	0	3	3	50	25
PH1110	Engineering Physics	2	1	0	2	3	50	25
CH1100	Engineering Chemistry	2	1	0	2	3	50	25
CS1100	Computer Programming and Problem Solving	3	1	0	3	3	50	25
EE1100	Basic Electrical Engineering (CSE, ECE, IT)	3	1	0	3	3	50	25
CE1000	Basic Engineering Mechanics (Civil, Mech, EEE)							
CE1110	Engineering Graphics - I	3	2	0	4	3	50	25
LABS								
HS1101	English Lab - I	0	0	2	1	3	30	20
PH1101	Engineering Physics Lab	0	0	2	1	3	30	20
CH1101	Engineering Chemistry Lab	0	0	2	1	3	30	20
CS1101	Computer Programming and Problem Solving Lab	0	0	2	1	3	30	20
ME1101	Engineering Workshop Lab- I	0	0	2	1	3	30	20
Total		18	8	10	24		500	275

Subject Code	B.E FIRST YEAR II SEMESTER							
	Subject Name	Instruction Hours per week				Examination		
		L	T	P	C	Duration in Hrs	Max. Marks	
THEORY							SEM Exam	CIE
HS1200	English - II	2	1	0	2	3	50	25
MA1200	Engineering Mathematics - II	3	1	0	3	3	50	25
PH1200	Applied Physics	2	1	0	2	3	50	25
CH1200	Applied Chemistry	2	1	0	2	3	50	25
CS1200	Object Oriented Programming using C++	3	1	0	3	3	50	25
CE1000	Basic Engineering Mechanics (CSE, ECE, IT)	3	1	0	3	3	50	25
CE1200	Engineering Mechanics (Civil, Mech, EEE)							
CE1210	Engineering Graphics - II	3	2	0	4	3	50	25
LABS								
HS1201	English Lab - II	0	0	2	1	3	30	20
PH1201	Applied Physics Lab	0	0	2	1	3	30	20
CH1201	Applied Chemistry Lab	0	0	2	1	3	30	20
CS1201	Object Oriented Programming using C++ Lab	0	0	2	1	3	30	20
ME1201	Engineering Workshop-II (Civil, Mech, EEE)	0	0	2	1	3	30	20
CS1211	CSE workshop (CSE)							
EC1201	Electronic workshop (ECE)							
IT1201	IT Workshop (IT)							
Total		18	8	10	24		500	275

• CIE- Continuous Internal Evaluation

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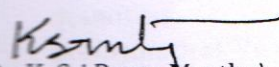
Associate Professor
Department of Information Technology
Vasavi College of Engineering (Autonomous)
Ibrahimbagh, Hyderabad-500031, TS
Ph: 040-23146050, 23146052


VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

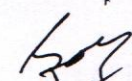
SCHEME OF INSTRUCTION AND EXAMINATION
Choice Based Credit Systems (CBCS)
for the students admitted in the academic year 2016-2017
(with effect from the academic year 2017-18)


SEMESTER - III


S No.	Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		SEE	CIE	
1	BS330MA	Discrete Mathematics	3	-	-	-	3	70	30	3
2	BS360MA	Probability & Statistics	3	-	-	-	3	70	30	3
3	ES310IT	Data Structures	3	1	-	-	3	70	30	3
4	PC310IT	Basic Electronics	3	1	-	-	3	70	30	3
5	PC320IT	Digital Electronics & Logic Design	3	-	-	-	3	70	30	3
6	MC320CE	Environmental Science	2	-	-	-	3	70	30	2
7	MC310ME	Introduction to Entrepreneurship	1	-	-	-	2	35	15	1
8	MC310EH	Finishing School-I- Communication skills in English-I	2	2	-	-	3	70	30	2
9	OE3XXXX	Open Elective -I	2	-	-	-	3	70	30	2
PRACTICALS										
10	PC311IT	Basic Electronics Lab	-	-	-	2	3	50	25	1
11	ES311IT	Data Structures Lab	-	-	-	2	3	50	25	1
12	P319IT	Mini Project-I	-	-	-	2	3	-	25	1
Total			22	4	-	6	-	695	330	25
Grand Total			32				-	1025		

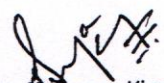

(Dr. K. Sri Rama Murthy)
OU Nominee

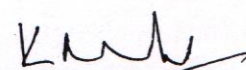

(Dr. K. Shyamala)
Subject Expert


(Dr. Salman Abdul Moiz)
Subject Expert


(Dr. M. Asha Rani)
Subject Expert


(Mr. Raju Kanchibhotla)
Industry Representative


(Mr. K. Surya Kiran)
UG Alumnus

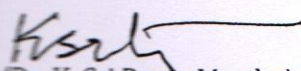

(Dr. K. Ram Mohan Rao)
Chairman, BOS

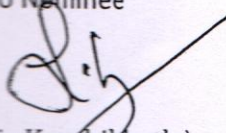
VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

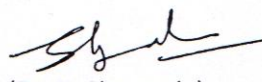
SCHEME OF INSTRUCTION AND EXAMINATION
Choice Based Credit Systems (CBCS)
for the students admitted in the academic year 2016-2017
(with effect from the academic year 2017-18)

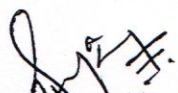
SEMESTER - IV


S No.	Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		SEE	CIE	
1	PC410IT	Data Base Management Systems	3	1	-	-	3	70	30	3
2	PC420IT	Object Oriented Programming	3	1	-	-	3	70	30	3
3	PC430IT	Computer Organization	3	-	-	-	3	70	30	3
4	PC440IT	Data Communications	3	-	-	-	3	70	30	3
5	PC450IT	Design & Analysis of Algorithms	3	1	-	-	3	70	30	3
6	MC410EH	Finishing School-II: Communication skills in English -II	2	2	-	-	3	70	30	2
7	MC300EH	Human Values Professional Ethics-I	1	-	-	-	2	50	30	1
8	OE4XXXX	Open Elective-II	1	-	-	-	2	35	15	1
9	OE4XXXX	Open Elective-III	2	-	-	-	3	70	30	2
PRACTICALS										
10	PC411IT	Data Base Management Systems Lab	-	-	-	2	3	50	25	1
11	PC421IT	Object Oriented Programming Lab	-	-	-	2	3	50	25	1
12	P419IT	Mini Project-II	-	-	-	2	-	-	25	1
Total			21	5	-	6	-	675	330	24
Grand Total			32				-	1005		

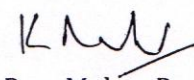

(Dr. K. Sri Rama Murthy)
OU Nominee

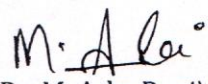

(Mr. Raju Kanchibhotla)
Industry Representative


(Dr. K. Shyamala)
Subject Expert


(Mr. K. Surya Kiran)
UG Alumnus


(Dr. Salman Abdul Moiz)
Subject Expert


(Dr. K. Ram Mohan Rao)
Chairman, BOS


(Dr. M. Asha Rani)
Subject Expert

with effect from the academic year 2018-19

VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

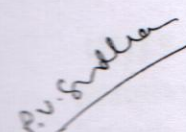
SCHEME OF INSTRUCTION AND EXAMINATION
Choice Based Credit Systems (CBCS)
for the students admitted in the academic year 2016-2017


SEMESTER - V

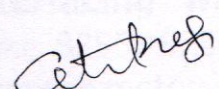
S No.	Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		SEE	CIE	
1	PC510IT	Microprocessor and Microcontroller	3	1	-	-	3	70	30	3
2	PC520IT	Operating Systems	3	1	-	-	3	70	30	3
3	PC530IT	Computer Networks	3	-	-	-	3	70	30	3
4	PC540IT	Software Engineering	3	1	-	-	3	70	30	3
5	PC550IT	Theory of Automata	3	1	-	-	3	70	30	3
6	HS510EH	Finishing School -III: Soft Skills	1	1	-	-	1 ½	35	15	1
7	MC510IT	Finishing School -III: Technical Skills	1	1	-	-	1 ½	35	15	1
8	OE5XXXX	Open Elective-IV	1	-	-	-	2	50	30	1
9	OE5XXXX	Open Elective-V	2	-	-	-	3	70	30	2
PRACTICALS										
10	PC511IT	Microprocessor and Microcontroller Lab	-	-	-	2	3	50	25	1
11	PC521IT	Operating Systems Lab	-	-	-	2	3	50	25	1
12	PC531IT	Computer Networks Lab	-	-	-	2	3	50	25	1
Total			20	6	-	6	-	690	315	23
Grand Total			32				-	1005		

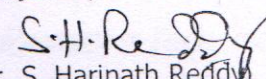
Open Electives:

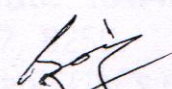
1. OE510IT: Introduction to Linux 2. OE520IT: Introduction to Java Programming Language

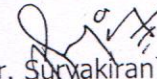

(Dr. P.V. Sudha)
University Nominee



(Dr. Raghavendra Kune)
Expert from Research Organization

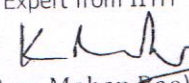

(Dr. Atul Negi)
Subject Expert from UoH


(Mr. S. Harinath Reddy)
Expert from Industry


(Dr. Salman Abdul Moiz)
Subject Expert from UoH


(Mr. Suryakiran)
Alumnus


(Dr. Bheemarjuna Reddy Tamma)
Subject Expert from IITH


(Dr. K. Ram Mohan Rao)
Chairman, BOS

with effect from the academic year 2018-19

VASAVI COLLEGE OF ENGINEERING

(AUTONOMOUS)

DEPARTMENT OF INFORMATION TECHNOLOGY

SCHEME OF INSTRUCTION AND EXAMINATION

Choice Based Credit Systems (CBCS)

for the students admitted in the academic year 2016-2017

SEMESTER - VI

Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
		Periods per week				Duration in Hrs	Maximum Marks		Credits
		L	T	D	P		SEE	CIE	
HS500EH	Economics and Finance for Engineers	2	1			3	70	30	2
PC610IT	Web Technologies	3	1	-	-	3	70	30	3
PC620IT	Compiler Construction	3	1	-	-	3	70	30	3
PC630IT	Embedded Systems	3	1	-	-	3	70	30	3
PE6XXIT	Professional Elective-1	3	-	-	-	3	70	30	3
HS610EH	Finishing School - IV : Soft Skills	1	1	-	-	1 ½	35	15	1
MC6XXIT	Finishing School - IV -Technical Skills	1	1	-	-	3	35	15	1
MC500EH	Human Values and Professional Ethics -II	1	-	-	-	2	50	30	1
OE6XXXX	Open Elective - VI	1	-	-	-	2	50	30	1
OE6XXXX	Open Elective - VII	2	-	-	-	3	70	30	2
PRACTICALS									
PC611IT	Web Technologies Lab	-	-	-	2	3	50	25	1
PC621IT	Compiler Construction Lab	-	-	-	2	3	50	25	1
PC631IT	Embedded Systems Lab	-	-	-	2	3	50	25	1
Total		20	6	-	6	-	740	345	23
Grand Total		32				-	1085		

Professional Elective-I

1. PE610IT Advanced Computer Architecture
2. PE620IT Artificial Intelligence
3. PE630IT Digital Signal Processing
4. PE640IT Network Security
5. PE650IT Data Mining

Open Electives:

1. OE610IT: Introduction to Web Technologies
2. OE620IT: Statistical Programming using R

Finishing School -IV: Technical Skills

1. MC610IT: Fundamental Programming Skills
2. MC620IT: Advanced Programming Skills

(Dr. P.V.Sudha)
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Dr. Raghavendra Kune)
Expert from Research
Organization

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Expert from Industry

(Mr. Suryakiran)
Alumnus

(Dr. K. Ram Mohan Rao)
Chairman, BOS

150

VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

19-02-2019

Controller of Examinations,
Vasavi College of Engineering.

Sub: Scheme of Instructions for B.E IT – 3rd Year 2nd Semester (VI Semester) of Academic Year 2018-19

S No.	Course Code	Course Name	Scheme of Instruction				Scheme of Examination			
			Periods per week				Duration in Hrs	Maximum Marks		Credi ts
			L	T	D	P		SEE	CIE	
1	HS500EH	Economics and Finance for Engineers	2	1	-	-	3	70	30	2
2	PC610IT	Web Technologies	3	-	-	-	3	70	30	3
3	PC620IT	Compiler Construction	3	-	-	-	3	70	30	3
4	PC630IT	Embedded Systems	3	1	-	-	3	70	30	3
5	PE6XXIT	Professional Elective-1	3	-	-	-	3	70	30	3
6	HS610EH	Finishing School – IV : Soft Skills	1	1	-	-	1 ½	35	15	1
7	MC6XXIT	Finishing School – IV -Technical Skills	1	1	-	-	1 ½	35	15	1
8	MC500EH	Human Values and Professional Ethics -II	1	-	-	-	2	50	30	1
9	OE6XXXX	Open Elective - VI	1	-	-	-	2	50	30	1
10	OE6XXXX	Open Elective - VII	2	-	-	-	3	70	30	2
PRACTICALS										
11	PC611IT	Web Technologies Lab	-	-	-	2	3	50	25	1
12	PC621IT	Compiler Construction Lab	-	-	-	2	3	50	25	1
13	PC631IT	Embedded Systems Lab	-	-	-	2	3	50	25	1
14	P619IT	Mini Project-III	-	-	-	2	-	-	25	1
Total			20	4	-	8	-	740	370	24
Grand Total			32				-	1110		

HoD, IT


Head of the Department
Department of Information Technology
Vasavi College of Engineering (Autonomous)
Hyderabad-500031

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY
B.E. INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTION AND EXAMINATION
ACADEMIC YEAR 2019-20
(for the students admitted in the academic year 2016-2017 (R-16))


SEMESTER - VII									
S No.	Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
			Hours per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE	CIE	
1	PC710IT	Distributed Systems and Cloud Computing	3	-	-	3	70	30	3
2	PC720IT	Machine Learning	3	-	-	3	70	30	3
3	PE7XXIT	Professional Elective – II	3	-	-	3	70	30	3
4	PE7XXIT	Professional Elective – III	3	-	-	3	70	30	3
5	PE7XXIT	Professional Elective – IV	3	-	-	3	70	30	3
PRACTICALS									
6	PC711IT	Distributed Systems and Cloud Computing Lab	-	-	2	3	50	25	1
7	PC721IT	Machine Learning Lab	-	-	2	3	50	25	1
8	PC731IT	Software Engineering Lab	-	-	2	3	50	25	1
9	PW719IT	Project Seminar	-	-	2	-	-	25	1
Student should complete one online certificate course during III-VIII Semester									
Total			15	-	8	-	500	250	19
Grand Total			23			-	750		

Professional Elective - II	Professional Elective - III
PE710IT: Data Analytics	PE750IT: Digital Image Processing
PE720IT: Software Testing	PE760IT: Software Reuse Techniques
PE730IT: Advanced Algorithms	PE770IT: Parallel and Distributed Algorithms
PE740IT: Cryptography	PE780IT: Information Security

Professional Elective - IV
PE790IT: Natural Language Processing
PE712IT: Software Quality and Assurance
PE722IT: Queueing Theory and Modeling
PE732IT: Information Storage and Management

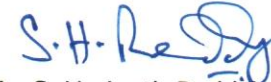

(Dr. P.V.Sudha)
University Nominee


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Subject Expert from UoH


(Dr. Salman Abdul Moiz)
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY
B.E. INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTION AND EXAMINATION
ACADEMIC YEAR 2019-20
 (for the students admitted in the academic year 2016-2017 (R-16))

SEMESTER - VIII									
S No.	Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
			Hours per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE	CIE	
1	PE8XXIT	Professional Elective - V	3	-	-	3	70	30	3
2	PE8XXIT	Professional Elective -VI	3	-	-	3	70	30	3
PRACTICALS									
3	PW819IT	Project / Internship	-	-	16	Viva-Voce	50	50	8
Student should complete one online certificate course during III-VIII Semester									
Total			6	-	16		190	110	14
Grand Total			22			-	300		

Professional Elective - V	Professional Elective - VI
PE810IT: Neural Networks	PE850IT: Deep Learning
PE820IT: Software Project Management	PE860IT: Agile Software Development
PE830IT: Computational Number Theory	PE870IT: Information Theory and Coding
PE840IT: Information Retrieval Systems	PE880IT: Block Chain


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 Chairman, BOS

**B.E.– INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTIONS**

R-18

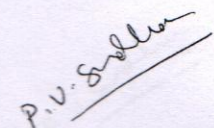
VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY


SCHEME OF INSTRUCTION AND EXAMINATION
Choice Based Credit Systems (CBCS)
for the students admitted in the academic year 2018-2019


With effect from the academic year 2018-19


SEMESTER - I

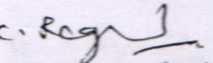
S No.	Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
			Periods per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE	CIE	
1	U18HS110EH	English Language and Communication- I	2	-	-	3	60	40	2
2	U18BS120MA	Engineering Mathematics - I	3	-	-	3	60	40	3
3	U18BS130PH	Semiconductor Physics	2	-	-	3	60	40	2
4	U18BS140CH	Chemistry - I	2	-	-	3	60	40	2
5	U18ES150CS	Programming for Problem Solving	3	-	-	3	60	40	3
6	U18ES160EE	Basic Electrical Engineering	2	-	-	3	60	40	2
7	U18ES170CE	Engineering Drawing - I	1	-	2	3	60	40	2
PRACTICALS									
8	U18HS111EH	English Language and Communication Skills Lab - I	-	-	2	3	50	30	1
9	U18BS131PH	Physics Lab – I and	-	-	2	3	25	15	0.5
10	U18BS141CH	Chemistry Lab – I	-	-		3	25	15	0.5
11	U18ES151CS	Programming for Problem Solving Lab	-	-	2	3	50	30	1
12	U18ES161EE	Basic Electrical Engineering Lab	-	-	2	3	50	30	1
Total			15	0	10	--	620	400	20
Grand Total			25			--	1020		

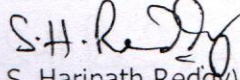

(Dr. P.V. Sudha)
University Nominee

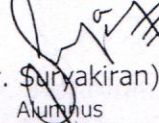

(Dr. Atul Negi)
Subject Expert from UoH

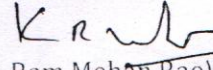

(Dr. Salman Abdul Moiz)
Subject Expert from UoH


(Dr. Bheemarjuna Reddy Tamma)
Subject Expert from IITH


Dr. Raghavendra Kune)
Expert from Research Organization


(Mr. S. Harinath Reddy)
Expert from Industry


(Mr. Suryakiran)
Alumnus


(Dr. K. Ram Mohan Rao)
Chairman, BOS

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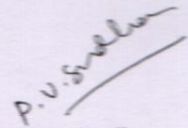
VASAVI COLLEGE OF ENGINEERING
(AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY

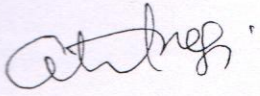
SCHEME OF INSTRUCTION AND EXAMINATION
Choice Based Credit Systems (CBCS)
for the students admitted in the academic year 2018-2019

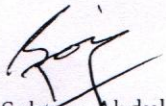
With effect from the academic year 2018-19

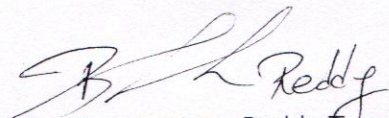
SEMESTER - II

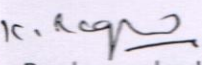
SEMESTER - II									
Course Code	Course Name	Scheme of Instruction			Scheme of Examination				
		Periods per week			Duration in Hrs	Maximum Marks		Credits	
		L	T	P/D		SEE	CIE		
U18HS210EH	English Language and Communication- II	2	-	-	3	60	40	2	
U18BS220MA	Engineering Mathematics - II	3	-	-	3	60	40	3	
U18BS230PH	Optoelectronic Devices	2	-	-	3	60	40	2	
U18BS240CH	Chemistry - II	2	-	-	3	60	40	2	
U18ES250IT	Data Structures	3	-	-	3	60	40	3	
U18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3	
U18ES270CE	Engineering Drawing - II	1	-	2	3	60	40	2	
PRACTICALS									
U18HS211EH	English Language and Communication Skills Lab - II	-	-	2	3	50	30	1	
U18BS231PH	Physics Lab - II and	-	-	2	3	25	15	0.5	
U18BS241CH	Chemistry Lab - II	-	-		3	25	15	0.5	
U18ES251IT	Data Structures Lab	-	-	2	3	50	30	1	
U18ES171ME	Workshop-I	-	-	2	3	50	30	1	
Total		16	0	10	--	620	400	21	
Grand Total		26			--	1020			

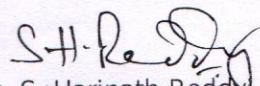

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University Nominee

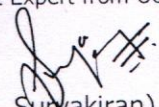

(Dr. Atul Negi)
Subject Expert from UoH

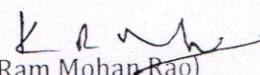

(Dr. Salman Abdul Moiz)
Subject Expert from UoH


(Dr. Bheemarjuna Reddy Tamma)
Subject Expert from IITH


Dr. Raghavendra Kune
Expert from Research Organization


(Mr. S. Harinath Reddy)
Expert from Industry


(Mr. Suryakiran)
Alumnus


(Dr. K. Ram Mohan Rao)
Chairman, BOS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY
B.E. INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTION AND EXAMINATION
ACADEMIC YEAR 2019-20
(for the students admitted in the academic year 2018-2019 (R-18))

SEMESTER - III									
S No.	Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
			Hours per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE	CIE	
1	U18HS330EH	Skill Development -I: Communication Skills in English	2	-	-	3	60	40	2
2	U18BS340MA	Discrete Mathematics	3	-	-	3	60	40	3
3	U18ES310IT	Basic Electronics	3	-	-	3	60	40	3
4	U18ES320IT	Digital Electronics and Logic Design	3	-	-	3	60	40	3
5	U18PC310IT	Advanced Data Structures	2	-	-	3	60	40	2
6	U18PC320IT	Object Oriented Programming	3	-	-	3	60	40	3
7	U18OE3XXXX	Open Elective – I	2	-	-	3	60	40	2
8	U18MC010CE	Environmental Science	2	-	-	3	60	40	0
9	U18MC310ME	Introduction to Entrepreneurship	1	-	-	2	40	30	0
PRACTICALS									
10	U18ES311IT	Basic Electronics Lab	-	-	2	3	50	30	1
11	U18PC311IT	Advanced Data Structures Lab	-	-	2	3	50	30	1
12	U18PC321IT	Object Oriented Programming Lab	-	-	2	3	50	30	1
Student should complete one online certificate course during III-VIII Semester.									
Total			21	-	6	-	670	440	21
Grand Total			27			-	1110		
Note:									
1. One hour is allotted to Library / Sports / Proctorial Interaction.									
2. The left over hours are to be allotted to ECA-I / CCA-I / RC / CC / TC based on the requirement.									

Open Electives offered by IT

1. U18OE310IT: Fundamentals of Data Structures [2 Credits]
2. U18OE320IT: Introduction to Linux [2 Credits]

P.V. Sudha

(Dr. P.V.Sudha)
University Nominee

(Dr. Atul Negi)
Subject Expert from UoH

Salman Abdul Moiz
(Dr. Salman Abdul Moiz)
Subject Expert from UoH

Bheemarjuna Reddy Tamma
(Dr. Bheemarjuna Reddy Tamma)
Subject Expert from IITH

Raghavendra Kune
(Dr. Raghavendra Kune)
Subject Expert from Research Organization

S.H. Reddy
(Mr. S. Harinath Reddy)
Expert from Industry

Suryakiran
(Mr. Suryakiran)
Alumnus

K. Ram Mohan Rao
(Dr. K. Ram Mohan Rao)
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF INFORMATION TECHNOLOGY
B.E. INFORMATION TECHNOLOGY
SCHEME OF INSTRUCTION AND EXAMINATION
ACADEMIC YEAR 2019-20
(for the students admitted in the academic year 2018-2019 **(R-18)**)

SEMESTER - IV									
S No.	Course Code	Course Name	Scheme of Instruction			Scheme of Examination			
			Hours per week			Duration in Hrs	Maximum Marks		Credits
			L	T	P/D		SEE	CIE	
1	U18HS010EH	Human Values and Professional Ethics – I	1	-	-	2	40	30	1
2	U18HS430EH	Skill Development -II: Communication Skills in English	2	-	-	3	60	40	2
3	U18BS420MA	Probability and Statistics	3	-	-	3	60	40	3
4	U18PC410IT	Computer Organization	3	-	-	3	60	40	3
5	U18PC420IT	Database Management Systems	3	-	-	3	60	40	3
6	U18PC430IT	Design and Analysis of Algorithms	3	-	-	3	60	40	3
7	U18PC440IT	Software Engineering	2	-	-	3	60	40	2
8	U18OE4XXXX	Open Elective – II	3	-	-	3	60	40	3
PRACTICALS									
9	U18PC411IT	Database Management Systems Lab	-	-	2	3	50	30	1
10	U18PC421IT	Design and Analysis of Algorithms Lab	-	-	2	3	50	30	1
11	U18PC431IT	Software Engineering Lab	-	-	2	3	50	30	1
Student should complete one online certificate course during III-VIII Semester									
Total			20	-	6	-	610	400	23
Grand Total			26			-	1010		
Note:									
1. One hour is allotted to Library / Sports / Proctorial Interaction.									
2. The left over hours are to be allotted to CCA-II / RC / CC / TC based on the requirement.									

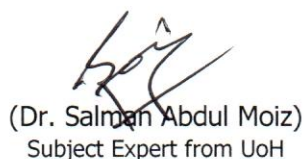
Open Electives offered by IT

1. U18OE410IT: Introduction to Object Oriented Programming [3 Credits]
2. U18OE420IT: Introduction to Scripting Languages [3 Credits]



(Dr. P.V.Sudha)
University Nominee

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Chairman, BOS

B.E.MECHANICAL ENGINEERING

SCHEME OF INSTRUCTIONS

R-14

Scheme of instruction, Syllabus and Academic Guidelines

**FOR FIRST YEAR UNDERGRADUATE ENGINEERING PROGRAM
w.e.f 2014-15 Academic Year**




**DEPARTMENT OF MECHANICAL ENGINEERING
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)**

Sponsored by Vasavi Academy of Education
UGC Autonomous and affiliated to Osmania University, Hyderabad

Approved by AICTE, New Delhi
9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana State

Phone : 040-23146002, 23146003, 23146081,
Fax: 040-23146090
www.vce.ac.in



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Board of Studies
Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous)
Hyderabad - 500031.

VASAVI COLLEGE OF ENGINEERING (Autonomous)

PROPOSED SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15

B.E. I YEAR- I SEMESTER (Common to All Branches)

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				in Hrs	Maximum Marks Duration		Credits
			L	T	D	P		Univ. Exam	Sessional	
THEORY										
1	HS1100	English-I	3	-	-	-	3	50	30	2
2	MA1110	Mathematics-I	3	1	-	-	3	70	30	3
3	PH1120	Engineering Physics-I	3	-	-	-	3	70	30	3
4	CH1130	Engineering Chemistry-I	3	-	-	-	3	70	30	3
5	CS1140	Programming in 'C' &Problem solving	3	1	-	-	3	70	30	3
6	CE1150	Engineering Mechanics-I	3	2	-	-	3	70	30	3
7	CE1160	Engineering Graphics-I	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1111	English Language Lab-I	-	-	-	3	3	50	25	2
9	PH1121	Physics Lab-I	-	-	-	3	3	50	25	2
10	CH1131	Chemistry Lab-I	-	-	-	3	3	50	25	2
11	CS 1141	'C' Programming Lab	-	-	-	3	3	50	25	2
12	ME1161	Workshop Practice-I	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30




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VASAVI COLLEGE OF ENGINEERING (Autonomous)

PROPOSED SCHEME OF INSTRUCTION AND EXAMINATION W.E.F. 2014-15

B.E. I YEAR- II SEMESTER common to Civil, Mechanical and EEE Branches

S. No	Sub reference Code	SUBJECT	Scheme of Instruction				Scheme of Examination			
			Periods per Week (50min each)				Duration in Hrs	Maximum Marks		Credits
			L	T	D	P		Univ. Exam	Sessionals	
THEORY										
1	HS1200	English-II	3	-	-	-	3	50	30	2
2	MA1210	Mathematics-II	3	1	-	-	3	70	30	3
3	PH1220	Engineering Physics-II	3	-	-	-	3	70	30	3
4	CH1230	Engineering Chemistry-II	3	-	-	-	3	70	30	3
5	CS1240	OOPS	3	1	-	-	3	70	30	3
6	CE1250	Engineering Mechanics-II	3	2	-	-	3	70	30	3
7	CE1260	Engineering Graphics-II	-	2	6	-	3	70	30	3
PRACTICALS										
8	HS1211	English Language Lab-II	-	-	-	3	3	50	25	2
9	PH1221	Physics Lab-II	-	-	-	3	3	50	25	2
10	CH1231	Chemistry Lab-II	-	-	-	3	3	50	25	2
11	CS 1241	OOPS Lab	-	-	-	3	3	50	25	2
12	ME1251	Workshop Practice-II	-	-	-	3	3	50	25	2
		TOTAL	18	6	6	15		720	335	30
		GRAND TOTAL	45					1055		30


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VASAVI COLLEGE OF ENGINEERING (Autonomous)


DEPARTMENT OF MECHANICAL ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATION

B.E. II YEAR

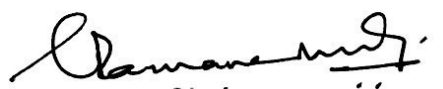
SEMESTER – I

SEMESTER – I								
Sl No.	Syllabus Ref .No.	SUBJECT	Scheme of Instruction		Scheme of Examination			Credits
			Periods per Week		Duration in Hours	Maximum Marks		
			L+T	D/P		Univ. Exam	Sessi- onals	
THEORY								
1	ME2010	Machine Drawing	2	4	3	70	30	4
2	ME2020	Thermodynamics	4	-	3	70	30	3
3	ME2030	Metallurgy & Material Science	4	-	3	70	30	3
4	CE2060	Fluid Dynamics	4	-	3	70	30	3
5	CE2070	Mechanics of Materials	4	-	3	70	30	3
6	MA2010	Mathematics –III	4	-	3	70	30	3
7	HS2010	Finishing School-I	2+1	-	3	70	30	2
PRACTICALS								
1	ME2011	Metallurgy Lab	-	3	3	50	25	2
2	CE2041	Mechanics of Materials Lab	-	3	3	50	25	2
TOTAL			24+1	10	–	590	260	25
SERVICE COURSES OFFERED TO OTHER DEPARTMENTS								
THEORY								
1	ME2060	Elements of Mechanical Engineering (For ECE)	4	–	3	70	30	3
2	ME2070	Principles of Mechanical Engineering (For EEE)	4	-	3	70	30	3
SEMESTER – II								
THEORY								
1	ME2040	Kinematics of Machines	4	1	3	70	30	3
2	ME2050	Applied Thermodynamics	4	-	3	70	30	3
3	EC2280	Applied Electronics	4	-	3	70	30	3
4	EE2090	Electrical Circuits & Machines	4	-	3	70	30	3
5	MA2020	Mathematics-IV	4	-	3	70	30	3
6	HS2020	Finishing School-II	2+1	-	3	70	30	2
7	HS2140	Human Values and Professional Ethics	2	-	3	70	30	1
PRACTICALS								
1	ME2021	Applied Thermodynamics Lab	-	3	3	50	25	2
2	EE2111	Electrical Circuits & Machines Lab	-	3	3	50	25	2
3	EC2491	Applied Electronics Lab	-	3	3	50	25	2
TOTAL			24+1	10	–	640	285	24
SERVICE COURSES OFFERED TO OTHER DEPARTMENTS								
1	ME2080	Mechanical Technology (For CE)	2	-	1½	35	15	2
2	ME2031	Mechanical Technology Lab (For EEE)	-	3	3	50	25	2


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SCHEME OF INSTRUCTION & EXAMINATION
B.E. III-YEAR
(MECHANICAL ENGINEERING)

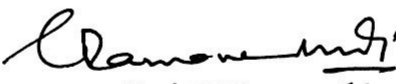
SEMESTER – I								
Sl No.	Syllabus Ref .No.	SUBJECT	Scheme of Instruction		Scheme of Examination			Credits
			Periods per Week		Duration in Hours	Maximum Marks		
			L+T	D/P		Univ. Exam	Sessi- onals	
THEORY								
1	ME3010	Dynamics of Machines	4	-	3	70	30	3
2	ME3020	Design of Machine Elements	4	-	3	70	30	3
3	ME3030	Manufacturing Processes	4	-	3	70	30	3
4	ME3050	Hydraulic Machinery & Systems	4	-	3	70	30	3
5	ME3110	Refrigeration & Air Conditioning	4+1	-	3	70	30	3
6	CE2090	Environmental Studies	4	-	3	70	30	3
7	HS3110	Finishing School-III (Soft Skills-III)	2	-	1½	35	15	1
8	ME3120	Finishing School-III (Technical Skills-III)	2	-	1½	35	15	1
PRACTICALS								
1	ME3011	Manufacturing Processes Lab	-	3	3	50	25	2
2	ME3021	Fluids & Hydraulic Machinery Lab	-	3	3	50	25	2
TOTAL			29	6	–	590	260	24
SEMESTER – II								
THEORY								
1	ME3060	Machine Design	4+1	-	3	70	30	3
2	ME3070	Mechanical Vibrations	4	-	3	70	30	3
3	ME3080	CAD/CAM	4	-	3	70	30	3
4	ME3090	Machine Tools & Metal Cutting	4	-	3	70	30	3
5	ME3100	Heat Transfer	4+1	-	3	70	30	3
6	HS3140	Human Values and Professional Ethics-II	2	-	3	70	30	1
7	HS3210	Finishing School-IV (Soft Skills-IV)	2	-	1½	35	15	1
8	IT2180	Finishing School-IV (Technical Skills-IV)	2	-	1½	35	15	1
PRACTICALS								
1	ME3031	Dynamics of Machines Lab	-	3	3	50	25	2
2	ME3041	CAD/CAM Lab	-	3	3	50	25	2
3	ME3051	Machine Tools & Metal Cutting Lab	-	3	3	50	25	2
TOTAL			28	9	-	640	285	24


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VASAVI COLLEGE OF ENGINEERING (Autonomous)
DEPARTMENT OF MECHANICAL ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION
B.E. IVth YEAR (Autonomous)

SEMESTER – I										
Sl No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
			Hours per Week				Duration in Hours	Maximum Marks		
			L	T	D	P		SEM. Exam	Sessi- onals	
THEORY										
1	ME 4010	Thermal Turbo machines	3	2	-	-	3	70	30	4
2	ME 4020	Metrology and Instrumentation	3	1	-	-	3	70	30	3
3	ME 4030	Production and Operations management	3	1	-	-	3	70	30	3
4	ME 4040	Operations Research	3	1	-	-	3	70	30	3
5	HS 4010	Managerial Economics and Accountancy	3	-	-	-	3	70	30	3
6	ME 4xx0	Elective-1	3	1	-	-	3	70	30	3
PRACTICALS										
1	ME 4011	Metrology & Thermal Engineering Lab	-	-	-	2	3	50	25	1
2	ME 4021	Computer Aided Engineering Lab	-	-	-	2	3	50	25	1
3	ME 4016	Project Seminar	-	-	-	2	-	-	25	1
TOTAL			18	6	-	6		520	255	22
GRAND TOTAL			30					775		
INTER DISCIPLINARY COURSES										
THEORY										
1	ME 4050	Industrial Administration and Financial Management (Service Course to ECE)	3	-	-	-	3	70	30	3
SEMESTER – II										
THEORY										
1	ME 4xx0	Elective-II	3	-	-	-	3	70	30	3
2	ME 4xx0	Elective-III	3	-	-	-	3	70	30	3
PRACTICALS										
1	ME 4015	Project / Internship	-	-	-	18	Viva	50	50	9
TOTAL			6	-	-	18		190	110	15
GRAND TOTAL			24					300		

Elective-I		Elective-II		Elective-III	
Code No.	Subject Title	Code No.	Subject Title	Code No.	Subject Title
ME4110	Automobile Engineering	ME4200	Power Plant Engineering	ME4260	Fuels and Combustion
ME4120	Finite Element Analysis	ME4210	Computational Fluid Flows	ME4270	Control Systems
ME4130	Tool Design	ME4220	Machine Tool Design	ME4280	Robotics
ME4140	Composite Materials	ME4230	Mechatronics	ME4290	Additive Manufacturing Technologies
ME4150	Entrepreneurship	ME4240	Total Quality Management	ME4300	Production Drawing
CE4531	Disaster Mitigation & Management	ME4250	Intellectual Property Rights	CS4250	Information Security


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B.E.MECHANICAL ENGINEERING

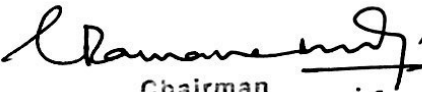
SCHEME OF INSTRUCTIONS

R-16

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
SCHEME OF INSTRUCTION (w.e.f. A.Y. 2016-17)

Choice Based Credit System

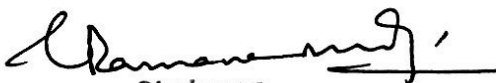
Subject Code			B.E. I-SEMESTER								
			Course Name	Scheme of Instruction				Scheme of Examination			
				L	T	P	C	Duration In Hours	Max. Marks		
									CIE	End Sem. Exam	Total
THEORY											
HS	HS1100	Basic English-I	2	1	0	2	3	25	50	75	
BS	MA1110	Engg. Mathematics I	3	1	0	3	3	25	50	75	
BS	PH1100	Engg. Physics	2	1	0	2	3	25	50	75	
BS	CH1130	Engg. Chemistry	2	1	0	2	3	25	50	75	
ES	101CS	Computer Programming and Problem solving	3	1	0	3	3	25	50	75	
ES	CE1150	Basic Engineering Mechanics	3	1	0	3	3	25	50	75	
ES	CE1160	Engineering Graphics - I	3	2	0	4	3	25	50	75	
PRACTICALS											
HS	HS1111	Basic English Lab-I	0	0	2	1	3	20	30	50	
BS	PH1101	Engg. Physics Lab	0	0	2	1	3	20	30	50	
BS	CH1131	Engg. Chemistry Lab	0	0	2	1	3	20	30	50	
ES	151CS	Comp Programming& Prob. Solving Lab	0	0	2	1	3	20	30	50	
ES	ME1161	Engineering Workshop-I	0	0	2	1	3	20	30	50	
Total			18	8	10	24		275	500	775	


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
SCHEME OF INSTRUCTION (w.e.f. A.Y. 2016-17)


Choice Based Credit System

Subject Code		B.E. II-SEMESTER								
		Course Name	Scheme of Instruction				Scheme of Examination			
			L	T	P	C	Duration In Hours	Max. Marks		
								CIE	End Sem. Exam	Total
THEORY										
HS	HS1200	Basic English-II	2	1	0	2	3	25	50	75
BS	MA1210	Engg. Mathematics-II	3	1	0	3	3	25	50	75
BS	PH1200	Applied Physics	2	1	0	2	3	25	50	75
BS	CH1230	Applied Chemistry	2	1	0	2	3	25	50	75
ES	201CS	Object oriented programming using C++	3	1	0	3	3	25	50	75
ES	CE1250	Engineering Mechanics	3	1	0	3	3	25	50	75
ES	CE1260	Engineering Graphics - II	3	2	0	4	3	25	50	75
PRACTICALS										
HS	HS1211	Basic English Lab--II	0	0	2	1	3	20	30	50
BS	PH1201	Applied Physics Lab	0	0	2	1	3	20	30	50
BS	CH1231	Aplied Chemistry Lab	0	0	2	1	3	20	30	50
ES	251CS	Object Oriented Programming using C++ Lab	0	0	2	1	3	20	30	50
ES	ME1251	Engineering Workshop II	0	0	2	1	3	20	30	50
Total			18	8	10	24		275	500	775

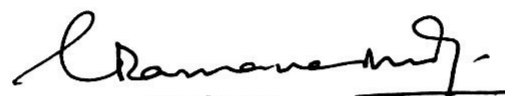

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With effect from AY 2017-18

Subject Code	III SEMESTER (CBCS)								Credits
	Course	Instruction Hours per week				Examination			
		L	T	D	P	Duration Hours	Max. Marks		
							SEE	CIE	
OE3XXXX	Open Elective - I	2	0	0	0	3	70	30	2
MC310ME	Introduction to Entrepreneurship	1	0	0	0	2	35	15	1
MC300EH	Human Values and Professional Ethics – I	1	0	0	0	2	35	15	1
HS310EH	Finishing School -I: Communication Skills in English - I	2	2	0	0	3	70	30	2
BS310MA	Engineering Mathematics - III	3	1	0	0	3	70	30	3
ES320ME	Thermodynamics	3	0	0	0	3	70	30	3
ES330ME	Metallurgy & Material Science	3	0	0	0	3	70	30	3
ES330CE	Mechanics of Materials	3	0	0	0	3	70	30	3
ES340ME	Machine Drawing	1	0	2	0	3	70	30	2
PC350ME	Mechanics of Fluids	3	1	0	0	3	70	30	3
LABS									
ES331ME	Metallurgy Laboratory	0	0	0	2	3	50	25	1
ES331CE	MOM Laboratory	0	0	0	2	3	50	25	1
Total		22	4	2	4		730	320	25
Contact hours/ Marks Grand Total		32					1050		


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Subject Code	Course	IV SEMESTER (CBCS)							Credits
		Instruction Hours per week				Examination			
		L	T	D	P	Duration Hours	Max. Marks		
							SEE	CIE	
OE4xxxx	Open Elective - II	1	0	0	0	2	35	15	1
OE4xxxx	Open Elective - III	2	0	0	0	3	70	30	2
HS410EH	Finishing School -II : Communication Skills in English	2	2	0	0	3	70	30	2
BS410MA	Engineering Mathematics - IV	3	1	0	0	3	70	30	3
MC320CE	Environmental Science (Civil, CSE, Mech)	2	0	0	0	3	70	30	2
ES410EE	Basics of Electrical and Electronics Engg.	2	1	0	0	3	70	30	2
PC410ME	Applied Thermodynamics	3	1	0	0	3	70	30	3
PC420ME	Kinematics of Machines	3	1	0	0	3	70	30	3
PC430ME	Design of Machine Elements	3	1	0	0	3	70	30	3
LABS									
PC411ME	Applied Thermodynamics Lab	0	0	0	2	3	50	25	1
ES411EE	Electrical and Electronics Engg. Lab	0	0	0	2	3	50	25	1
Total		21	7	0	4	-	695	305	23
Contact hours/ Marks Grand Total		32					1000		
Open Elective for other Departments									
Subject Code	Subject Name	Instruction Hours per week				Examination			Credits
		L	T	D	P	Duration Hours	Max. Marks		
							SEE	CIE	
OE300ME	Open Elective BASIC MECHANICAL ENGINEERING	2	0	0	0	3	70	30	2
OE310ME	Open Elective MECHANICAL TECHNOLOGY	2	0	0	0	3	70	30	2
INTER DISCIPLINARY COURSES									
ES410ME	Basic Thermodynamics (ECE)	3	0	0	0	3	70	30	3




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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
SCHEME OF INSTRUCTION (w.e.f. A.Y. 2018-19)

Choice Based Credit System

Course Code	Course Name	V SEMESTER							Cr.
		Instruction Hrs/ week				Examination			
		L	T	D	P	Duration Hours	Max. Marks		
							SEE	CIE	
OE500ME	Open elective-IV Basics of 3D Printing	1	0	0	0	2	50	30	1
OE510ME OE520 ME	Open elective-V Introduction to Robotics Basics of Entrepreneurship	2	0	0	0	3	70	30	2
MC500EH	Human Values and Professional Ethics – II	1	1	0	0	2	50	30	1
HS510EH	Finishing School -III : Soft Skills	1	1	0	0	1 1/2	35	15	1
MC510ME	Finishing School - III: Technical Skills	1	1	0	0	1 1/2	35	15	1
HS500EH	Economics for Engineers	2	1	0	0	3	70	30	2
PC510ME	Hydraulic Machinery	3	0	0	0	3	70	30	3
PC520ME	Machine Design	3	2	0	0	3	70	30	4
PC530ME	Finite Element Analysis	3	0	0	0	3	70	30	3
PC540ME	Manufacturing Processes	3	0	0	0	3	70	30	3
LABS									
PC511ME	Fluid Mechanics &Hydraulic Machinery Lab	0	0	0	2	3	50	25	1
PC541ME	Manufacturing Processes lab	0	0	0	2	3	50	25	1
PW519ME	Mini Project	0	0	0	2	-	-	50	1
Total		20	6	0	6		690	370	24
Contact hours		32					1060		


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

DEPARTMENT OF MECHANICAL ENGINEERING

SCHEME OF INSTRUCTION (w.e.f. A.Y. 2018-19)

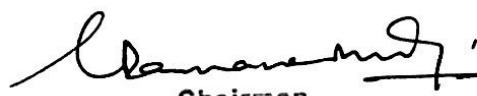
Choice Based Credit System

Course Code	Course Name	VISEMESTER							Cr.
		Instruction Hrs/ week				Examination			
		L	T	D	P	Duration Hours	Max. Marks		
							SEE	CIE	
VI SEMESTER									
OE600ME	Open Elective – VI Basics of Mechatronics	1	0	0	0	2	50	30	1
OE610ME OE630ME OE640ME	Open Elective – VII Optimization methods for Engrs. Introduction to Automobile Engineering Additive Manufacturing and its Applications	2	0	0	0	3	70	30	2
HS610EH	Finishing School - IV: Soft Skills	1	1	0	0	1 1/2	35	15	1
MC610ME	Finishing School - IV: Technical Skills	1*	0	0	0	3	35	15	1
PC610ME	Machine Tools and Metal Cutting	3	0	0	0	3	70	30	3
PC620ME	Dynamics of Machines	3	1	0	0	3	70	30	3
PC630ME	Heat Transfer	3	1	0	0	3	70	30	3
PC640ME	Geometric Modeling	3	0	0	0	3	70	30	3
PC650ME	Metrology and Instrumentation	3	0	0	0	3	70	30	3
PE6x0ME	Professional Elective 1	3	0	0	0	3	70	30	3
LABS									
PC611ME	Machine Tools Laboratory	0	0	0	2	3	50	25	1
PC621ME	Dynamics and Metrology Lab	0	0	0	2	3	50	25	1
PC631ME	CAD Lab	0	0	0	2	3	50	25	1
	Total	23	3	0	6		760	345	26
	Contact Hours	32					1105		

- Refer syllabus for details

List of Professional Electives Stream wise

	Design engineering		Manufacturing engineering		Thermal engineering		Industrial engineering	
	Course Code	Title	Course Code	Title	Course Code	Title	Course Code	Title
PE 1	PE600ME	Vibration analysis and Noise control	PE610ME	Manufacture and Inspection of Gears	PE620ME	Computational Fluid Dynamics	PE630ME	Production and Operations Management



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B.E.MECHANICAL ENGINEERING

SCHEME OF INSTRUCTIONS

R-18

Annexure I : Scheme of instruction and examination for BE program

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

Ibrahimbagh, Hyderabad-500 031, Telangana State

SCHEME OF INSTRUCTION AND EXAMINATIONS (CBCS) FOR B.E. I & II SEMESTERS W.E. F 2018-19

B.E I Semester Mechanical Engineering								
Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
		Hours per Week			Exam Duration in Hrs	Maximum Marks		
		L	T	P/D		SEE	CIE	
THEORY								
U18HS110EH	English language and communication-I	2	-	-	3	60	40	2
U18BS120MA	Engineering Mathematics-I	3		-	3	60	40	3
U18BS133PH	Oscillations, Waves and Optics	2		-	3	60	40	2
U18BS140CH	Chemistry-I	2		-	3	60	40	2
U18ES150CS	Programming for Problem Solving	3	-	-	3	60	40	3
U18ES160CE	Basic Engineering Mechanics	3	-	-	3	60	40	3
U18ES180CE	Engineering Graphics-I	1	-	2	3	60	40	2
PRACTICALS								
U18HS111EH	English language and communication skills lab-I	-	-	2	3	50	30	1
U18BS131PH	Physics Lab-I and	-	-	2	3	25	15	0.5
U18BS141CH	Chemistry Lab -I				3	25	15	0.5
U18ES151CS	Programming for Problem Solving lab	-	-	2	3	50	30	1
U18ES171ME	Workshop-I	-	-	2	3	50	30	1
TOTAL		16	0	10		620	400	21
GRAND TOTAL		26				1020		21

B.E II Semester Mechanical Engineering									
Course Code	Name of the Course	Scheme of Instruction				Scheme of Examination			
		Hours per Week			Exam Duration in Hrs	Maximum Marks		Credits	
		L	T	P/D		SEE	CIE		
THEORY									
U18HS210EH	English language and communication-II	2	-	-	3	60	40	2	
U18BS220MA	Engineering Mathematics-II	3		-	3	60	40	3	
U18BS233PH	Applied Physics	2		-	3	60	40	2	
U18BS240CH	Chemistry-II	2		-	3	60	40	2	
U18ES160EE	Basic Electrical Engineering	2	-	-	3	60	40	2	
U18ES250CE	Engineering Graphics-II	1	-	2	3	60	40	2	
U18ES260CE	Engineering Mechanics	3		-	3	60	40	3	
PRACTICALS									
U18HS211EH	English language and communication skills Lab-II	-	-	2	3	50	30	1	
U18BS231PH	Physics Lab-II	-	-	2	3	25	15	0.5	
U18BS241CH	Chemistry Lab -II				3	25	15	0.5	
U18ES161EE	Basic Electrical Engineering lab	-	-	2	3	50	30	1	
U18ES271ME	Workshop -II	-	-	2	3	50	30	1	
TOTAL		15	0	10		620	400	20	
GRAND TOTAL		25				1020		20	

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**M.TECH. – COMPUTER SCIENCE &
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-14

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)


9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana State

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**Course Structure****M.Tech I year****Semester-I**

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Durati on in Hrs	Maximum Marks		
			L	T	D	P		Univ. Exam	Sessi onals	
		THEORY								
1.	CS 5010	Advanced Algorithms	4	-	-	-	3	70	30	3
2.	CS 5020	Advanced Operating Systems	4	-	-	-	3	70	30	3
3.	CS 5030	Artificial Intelligence	4	-	-	-	3	70	30	3
4.	CS 5040	Object oriented Software Engineering	4	-	-	-	3	70	30	3
5.		ELECTIVE-I	4	-	-	-	3	70	30	3
6.		ELECTIVE-II	4	-	-	-	3	70	30	3
7		Finishing School	2							1
		PRACTICALS								
1.	CS 5051	Software lab1(AA and OOSE)	-	-	-	3	-	-	50	3
2.	CS 5066	Seminar-I	-	-	-	3	-	-	50	2
		Total	26		6		-	420	280	24
		Grand Total	32					700		24

Elective I & Elective II

CS 5070 Mobile computing
 CS 5080 Information storage management
 CS 5090 Parallel Computer Architecture
 CS 5100 Advanced Computer Graphics
 CS 5110 Human computer interaction
 CS 5120 Simulation modelling
 CS 5130 Software project management
 CS 5140 Embedded Systems
 CS 5150 Reliability & fault tolerance


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana State
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Course Structure

M.Tech I year
Semester-II


Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Duration in Hrs	Maximum Marks		
			L	T	D	P		Univ. Exam	Sessi onals	
		THEORY								
1.	CS 5160	Distributed Computing	4	-	-	-	3	70	30	3
2.	CS 5170	Advance Databases	4	-	-	-	3	70	30	3
3.		ELECTIVE-III	4	-	-	-	3	70	30	3
4.		ELECTIVE-IV	4	-	-	-	3	70	30	3
5.		ELECTIVE-V	4	-	-	-	3	70	30	3
6.		ELECTIVE-VI	4	-	-	-	3	70	30	3
7		Finishing School	2	-	-	-	-			1
		PRACTICALS								
1.	CS 5181	Software labII (DC and ADB)	-	-	-	3	-		50	3
2.	CS 5196	Seminar-II	-	-	-	3	-		50	2
		Total	26	6			-	420	280	24
		Grand Total	32					700		24

Elective III & IV

CS 5200 Image processing
CS 5210 Data Mining
CS 5220 Machine learning
CS 5230 Soft Computing
CS 5240 Real time systems
CS 5250 Natural Language Processing
CS 5260 Neural Networks
CS 5270 Software Quality & testing
CS 5280 Parallel algorithms

Electives V & VI

CS 5290 Cloud Computing
CS 5300 Network Security
CS 5310 Information Retrieval Systems
CS 5320 Multimedia Technologies
CS 5330 Web Engineering
CS 5340 Software reuse techniques
CS 5350 Big data Analytics
CS 5360 Software Engineering For Real Time Systems
CS 5370 Web mining


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9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana State
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Course Structure

M.Tech II year

Semester-III

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction				Scheme of Examination			Credits
			Periods per Week				Durati on in Hrs	Maximum Marks		
			L	T	D	P		Univ. Exam	Sessi onals	
1.	CS 5196	Dissertation + Project Seminar	-	-	-	6	-	-	100	6
		Total				6	-	-	100	6
		Grand Total				6			100	6



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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
9-5-81, Ibrahimbagh, Hyderabad-500031, Telangana State
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Course Structure

Department of Computer Science and Engineering
Course Structure
M.Tech II year

Semester-IV

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction					Scheme of Examination			Credits
			Periods per Week					Duration in Hrs	Maximum Marks		
			L	T	D	P			Univ. Exam	Sessio nals	
1	CS 5205	Project Dissertation	-	-	-	6			*Grade		6
		Total	6								6
		Grand Total	6								6

*Grade : Excellent/Very good/Good/Satisfactory/Unsatisfactory


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**M.TECH. – COMPUTER SCIENCE &
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-16

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Vasavi College of Engineering (A), Hyderabad 500031
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.TECH. (CSE)

With effect from Academic year 2016-17

Choice Based Credit System

I – SEMESTER											
Sl. No.	Category	Subject code	Subject Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration in Hrs	CIE	Sem End		
THEORY											
1	PC	CS5110	Advanced Algorithms	3	1	-	3	30	70	100	3
2	PC	CS5120	Advanced Operating Systems	3	-	-	3	30	70	100	3
3	PC	CS5130	Artificial Intelligence	3	-	-	3	30	70	100	3
4	PC	CS5140	Object Oriented Software Engineering	3	-	-	3	30	70	100	3
5	PE	CS50XX	Professional Elective – 1	3	-	-	3	30	70	100	3
6	PE	CS50XX	Professional Elective – 2	3	-	-	3	30	70	100	3
7	EEC	HSXXXX	Finishing School: Soft Skills-1	2	-	-	1.5	15	35	50	1
LABORATORY											
8	PC	CS5111	Advanced Algorithms Lab	-	-	2	-	50	-	50	1
9	PC	CS5121	Object Oriented Software Engineering Lab	-	-	2	-	50	-	50	1
10	PC	CS5112	Seminar – I	-	-	2	-	25	-	25	1
			TOTAL	20	1	6	-	320	455	775	22
			GRAND TOTAL	27				320	455	775	22
II - SEMESTER											
THEORY											
1	PC	CS5210	Distributed Computing	3	1	-	3	30	70	100	3
2	PC	CS5220	Advanced Databases	3	-	-	3	30	70	100	3
3	PE	CS50XX	Professional Elective - 3	3	-	-	3	30	70	100	3
4	PE	CS50XX	Professional Elective - 4	3	-	-	3	30	70	100	3
5	PE	CS50XX	Professional Elective - 5	3	-	-	3	30	70	100	3
6	PE	CS50XX	Professional Elective - 6	3	-	-	3	30	70	100	3
7	EEC	HSXXXX	Finishing School: Soft Skills-2	2	-	-	1.5	15	35	50	1
LABORATORY											
8	PC	CS5211	Distributed Computing Lab	-	-	2	-	50	-	50	1
9	PC	CS5221	Advanced Databases Lab	-	-	2	-	50	-	50	1
10	PC	CS5212	Seminar -II	-	-	2	-	25	-	25	1
			TOTAL	20	1	6	-	320	455	775	22
			GRAND TOTAL	27				320	455	775	22
III - SEMESTER											
1	EEC	CS5312	Dissertation seminar	-	-	4	-	50	-	50	2
2	EEC	CS5315	Dissertation – Phase I	-	-	16	-	100	-	100	8
			TOTAL	-	-	20	-	150	-	150	10
IV - SEMESTER											
1	EEC	CS5415	Dissertation – Phase II	-	-	30	-	Viva-voce (Grade)			15
											69

Professional Elective – 1 and 2


CS 5001	Mobile Computing
CS 5002	Information Storage Management
CS 5003	Parallel Computer Architecture
CS 5004	Advanced Computer Graphics
CS 5005	Human Computer Interaction
CS 5006	Simulation Modelling
CS 5007	Embedded Systems
CS 5008	Reliability & Fault Tolerance

Professional Elective – 5 and 6

CS 5018	Network Security
CS 5019	Cloud Computing
CS 5020	Information Retrieval Systems
CS 5021	Software Engineering For Real Time Systems
CS 5022	Software Quality & Testing
CS 5023	Software reuse techniques
CS 5024	Multimedia Technologies CS
5025	Real Time Systems
CS 5026	Software Project Management

Professional Elective –3 and 4

CS 5009	Image Processing
CS 5010	Data Mining
CS 5011	Machine Learning
CS 5012	Parallel Algorithms
CS 5013	Neural Networks
CS 5014	Soft Computing
CS 5015	Natural Language Processing
CS 5016	Web Mining
CS 5017	Big data Analytics


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**M.TECH. – COMPUTER SCIENCE &
ENGINEERING
SCHEME OF INSTRUCTIONS**

R-18

VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHEME OF INSTRUCTION AND EXAMINATION FOR M.Tech I-SEMESTER w.e.f. 2018-19 under CBCS


S. No	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
			Hours per Week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		SEE	CIE	
THEORY									
1	PI18AC110EH	Audit course-I: English for Research Paper Writing	2	0	0	3	60	40	0
2	PI 18PC110CS	Mathematical Foundations of Computer Science	3	0	0	3	60	40	3
3	PI 18PC120CS	Advanced Data Structures	3	0	0	3	60	40	3
4	PI 18PC130CS	Advanced Operating Systems	3	0	0	3	60	40	3
5	PI 18PE1XXCS	Professional Elective - I	3	0	0	3	60	40	3
6	PI 18PE1XXCS	Professional Elective - II	3	0	0	3	60	40	3
7	PI 18PE1XXCS	Professional Elective - III	3	0	0	3	60	40	3
PRACTICALS									
8	PI 18PC111CS	Advanced Data Structures Lab	0	0	3	0	0	50	1.5
9	PI 18PE1X1CS	Elective Based Lab	0	0	3	0	0	50	1.5
10	PI 18PC118CS	Seminar – I	0	0	2	0	0	50	1
		TOTAL	20	0	8	0	420	430	22
		GRAND TOTAL	28				850		
Foundation Classes: 6 Periods CCA:2 Periods									


Dr. T. ADILAKSHMI
 Professor & Head
 Dept. of Computer Science & Engineering
 Vasavi College of Engineering (Autonomous)
 Ibrahimbagh, Hyderabad-500 066

VASAVI COLLEGE OF ENGINEERING(AUTONOMOUS)


DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING SCHEME OF INSTRUCTION AND EXAMINATION FOR M.Tech (CSE) II-SEMESTER w.e.f. 2018-19 under CBCS

S. No	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			
			Hours per Week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		SEE	CIE	
THEORY									
1	PI 18AC210EH	Audit course-II: Pedagogy Studies	2	-	-	3	60	40	0
2	PI18PC240ME	Research Methodology and IPR	2	-	-	3	60	40	2
3	PI 18HS200EH	Skill Development Course	2	-	-	3	60	40	2
4	PI 18PC210CS	Advanced Algorithms	3	0	0	3	60	40	3
5	PI 18PC220CS	Data Mining	3	0	0	3	60	40	3
6	PI 18PC230CS	Object Oriented Software Engineering	3	0	0	3	60	40	3
7	PI 18PE2XXCS	Program Elective -IV	3	0	0	3	60	40	3
8	PI 18PE2XXCS	Program Elective - V	3	0	0	3	60	40	3
PRACTICALS									
9	PI 18PC211CS	Advance Algorithms Lab	0	0	3	0	0	50	1.5
10	PI 18PE2X1CS	Elective Based Lab	0	0	3	0	0	50	1.5
11	PI 18PC218CS	Seminar- II	0	0	2	0	0	50	1
12	PI 18PC219CS	Mini Project	0	0	2	0	0	50	1
		TOTAL	21	0	10	-	480	520	24
		GRAND TOTAL	31				1000		


Dr. T. ADILAKSHMI
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List of Professional Electives (Stream wise)		
AI and Data Engineering		
PE-I	PI18PE110CS	Artificial Intelligence
PE-II	PI18PE120CS	Advanced Data bases
PE-III	PI18PE130CS	Machine Learning
PE-IV	PI18PE240CS	Natural Language Processing
PE-V	PI18PE250CS	Information Retrieval Systems
PE-VI	PI18PE360CS	Web Mining
Systems & Networks		
PE-I	PI18PE 114CS	Information Storage Management
PE-II	PI18PE 124CS	Parallel Computer Architecture
PE-III	PI18PE 134CS	Information Security
PE-IV	PI18PE 244CS	Distributed Computing
PE-V	PI18PE 254CS	Wireless Sensor Networks
PE-VI	PI18PE 364CS	Cloud Computing
Applications		
PE-I	PI18PE 115CS	Mobile Computing
PE-II	PI18PE 125CS	Parallel Algorithms
PE-III	PI18PE 135CS	Software Engineering For Real Time Systems
PE-IV	PI18PE 245CS	Software Quality & Testing
PE-V	PI18PE 255CS	Image Processing
PE-VI	PI18PE 365CS	Multimedia Technologies

Audit Course – I			
			Credits
	PI18AC110EH	English for Research Paper Writing	2
	PI18AC120XX	Value Education	2
	PI18AC130XX	Stress Management by Yoga	2
	PI18AC140XX	Sanskrit for Technical Knowledge	2
Audit Course –II			
	PI18AC210EH	Pedagogy Studies	2
	PI18AC220XX	Personality Development through Life Enlightenment Skills.	2
	PI18AC230XX	Constitution of India	2
	PI18AC240XX	Disaster Management	2
Open Electives			
	PI18OE310XX	Business Analytics	3
	PI18OE320XX	Industrial Safety	3
	PI18OE330XX	Operations Research	3
	PI18OE340XX	Cost Management of Engineering Projects	3
	PI18OE350XX	Composite Materials	3
	PI18OE360XX	Waste to Energy	3


Dr. T. ADILAKSHMI
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**M.E.-EMBEDDED SYSTEMS & VLSI
DESIGN
SCHEME OF INSTRUCTIONS**

R-14

VASAVI COLLEGE OF ENGINEERING (Autonomous)
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Scheme of Instruction and Examination
M.E. (ECE EMBEDDED SYSTEMS AND VLSI DESIGN) Program
Four Semester Course (Regular)

S. No.	Subject	Periods per week		Duration (Hours)	Max. Marks		Credits
		L/T	D/P		SEM. Exam	Sessional	
Semester – I							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – I	--	3	--	--	50	2
8.	Lab – II	--	3	--	--	50	2
9.	Seminar – I	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – II							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – III	--	3	--	--	50	2
8.	Lab – IV	--	3	--	--	50	2
9.	Seminar – II	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – III							
1.	Dissertation + Project Seminar*	--	6	--	--	100**	-- 6
Total		--	6	--	--	100**	6
Semester – IV							
1.	Dissertation	--	--	Viva-voce	Grade***	-	10
Total		--	--	--	--	--	10

P.T.O




CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

Scheme of Instruction & Examination

M.E. – Four Semester Course (Regular)

S. No.	Subject	Periods per week		Duration (Hours)	Max. Marks		Credits
		L/T	D/P		Ext. Exam	Sessional	
Semester – I							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – I	--	3	--	--	50	2
8.	Lab – II	--	3	--	--	50	2
9.	Seminar – I	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – II							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – III	--	3	--	--	50	2
8.	Lab – IV	--	3	--	--	50	2
9.	Seminar – II	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – III							
1.	Dissertation + Project Seminar*	--	-- 6	--	--	-- 100**	-- 6
Total		--	6	--	--	100**	6
Semester – IV							
1.	Dissertation	--	--	Viva-voce	Grade***	-	10
Total		--	--	--	--	--	10

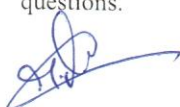
Note: Six core Subjects and Six Elective subjects should be completed by the end of Semester – II.

* One Project Seminar presentation.

** 50 marks to be awarded by guide and 50 marks to be awarded by Viva committee with guide and two internal faculty members.

*** Excellent / Very Good / Good / Satisfactory / Unsatisfactory.

- (i) The syllabus consists of 5 units. Semester end examination will be conducted for 70 marks. The question paper consists of PART - A and PART - B. Part - A is compulsory and should cover the entire syllabus, and carries 20 marks. Part - B will comprise seven questions. There has to be one question in each unit of the syllabus and the remaining two questions may be from the entire syllabus of all 5 units. Student has to answer any five questions out of seven questions and each question carry 10 marks. Theory question paper have total 8 questions out of which candidate has to answer 6 questions including one compulsory question of 20 marks. This compulsory question, consisting of 10 questions, which will cover the entire syllabus. Other questions will be of 10 marks each.
- (ii) Two internal examinations will be conducted for 20 marks. The question paper consists of Part - A and Part - B. Student should answer all the questions from Part - A and any two questions from Part - B. Part - A carries 6 marks and it consists of 6 questions. Each question is awarded 1 marks. The question may be definition, problem solving, multiple choice, match the following and filling the blanks type. Part - B carries 14 marks and consists of 3 Questions. Each question carries 7 marks and it may contain 2 sub questions.



**M.E.-EMBEDDED SYSTEMS & VLSI
DESIGN
SCHEME OF INSTRUCTIONS**

R-16

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Vasavi College of Engineering (A), Hyderabad 500031

SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E. (ECE) – ES&VLSID

With effect from Academic year 2016-17

Sl. No.	Category	Subject code	Subject Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration in Hrs	CIE	Sem end Exam		
I – SEMESTER											
Theory											
1.	PC		Professional Core	3	0	0	3	30	70	100	3
2.	PC		Professional Core	3	0	0	3	30	70	100	3
3.	PC		Professional Core	3	0	0	3	30	70	100	3
4.	PE		Professional Core / Elective	3	0	0	3	30	70	100	3
5.	PE		Professional Elective	3	0	0	3	30	70	100	3
6.	PE		Professional Elective	3	0	0	3	30	70	100	3
7.	EEC		Finishing School - I: Soft Skills	2	0	0	2	15	35	50	1
Laboratory											
8.	PC		Design and Simulation Laboratory-I	0	0	3	3	25	0	25	2
9.	PC		Embedded Systems Laboratory	0	0	3	3	25	0	25	2
10.	EEC		Seminar - I	0	0	2	0	25	0	25	1
				20	0	8	-	270	455	725	24
II – SEMESTER											
Theory											
1.	PC		Professional Core	3	0	0	3	30	70	100	3
2.	PC		Professional Core	3	0	0	3	30	70	100	3
3.	PC		Professional Core / Elective	3	0	0	3	30	70	100	3
4.	PE		Professional Elective	3	0	0	3	30	70	100	3
5.	PE		Professional Elective	3	0	0	3	30	70	100	3
6.	PE		Professional Elective	3	0	0	3	30	70	100	3
7.	EEC		Finishing School – II: Soft Skills	2	0	0	2	15	35	50	1
Laboratory											
8.	PC		Design and Simulation Laboratory-II	0	0	3	3	25	0	75	2
9.	PC		Embedded Systems Applications Laboratory	0	0	3	3	25	0	75	2
10.	EEC		Seminar -II	0	0	2	0	25	0	25	1
				20	0	8	-	270	455	725	24
III – SEMESTER											
1.	PC		Dissertation seminar	0	0	4	0	50	0	50	2
2.	PC		Dissertation – Phase I	0	0	16	0	100	0	100	8
				0	0	20	-	150	0	150	10
IV – SEMESTER											
1.	PC		Dissertation – Phase II	0	0	30	-	Viva-voce (Grade)			15
				0	0	30	-	--			15



for
CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

**M.E.-EMBEDDED SYSTEMS & VLSI
DESIGN
SCHEME OF INSTRUCTIONS**

R-18

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (ECE) EMBEDDED SYSTEMS AND VLSI DESIGN
I-SEMESTER w.e.f. 2018-19 under CBCS

S.No	Course code	Course Title	Scheme of Instruction			Scheme of Examination			Total	Credits
			L	T	P	Duration in Hrs	CIE	SEE		
		Theory								
1.	PI18AC110EH	Audit course-I: English for Research Paper Writing	2	-	-	3	40	60	100	-
2.	PI18PC110EC	Core - I: Embedded Systems Design	3	-	-	3	40	60	100	3
3.	PI18PC120EC	Core - II: Digital IC Design	3	-	-	3	40	60	100	3
4.	PI18PC130EC	Core - III: Analog IC Design	3	-	-	3	40	60	100	3
5.	PI18PE1X0EC	Professional Elective - I	3	-	-	3	40	60	100	3
6.	PI18PE1X0EC	Professional Elective - II	3	-	-	3	40	60	100	3
7.	PI18PE1X0EC	Professional Elective - III	3	-	-	3	40	60	100	3
		Laboratory								
8.	PI18PC111EC	Design and Simulation Laboratory - I	-	-	3	-	50	-	50	1.5
9.	PI18PC121EC	Embedded Systems Laboratory	-	-	3	-	50	-	50	1.5
10.	PI18PC118EC	Seminar – I	-	-	2	-	50	-	50	1
			20	-	8	-	430	420	850	22

by CHAIRMAN, BoS in E.C.E
 VASAVI COLLEGE OF ENGG.(A)
 HYDERABAD-500 031.

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (ECE) EMBEDDED SYSTEMS AND VLSI DESIGN
II-SEMESTER w.e.f. 2018-19 under CBCS

S. No	Category	Course code	Course Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration in Hrs	CIE	SEE		
Theory											
1.	AC	PI18AC210EH	Audit course-II: : Pedagogy Studies	2	-	-	3	40	60	100	-
2.	PC	PI18PC240ME	Research Methodology and IPR	2	-	-	3	40	60	100	2
3.	HS	PI18HS200EH	Skill Development Course	2	-	-	3	40	60	100	2
4.	PC	PI18PC210EC	Core-IV: Embedded Real Time Operating Systems	3	-	-	3	40	60	100	3
5.	PC	PI18PC220EC	Core – V: Mixed Signal IC Design	3	-	-	3	40	60	100	3
6.	PC	PI18PC230EC	Core – VI : Physics of Semiconductor Devices	3	-	-	3	40	60	100	3
7.	PE	PI18PE2X0EC	Professional Elective - IV	3	-	-	3	40	60	100	3
8.	PE	PI18PE2X0EC	Professional Elective - V	3	-	-	3	40	60	100	3
Laboratory											
9.	PC	PI18PC211EC	Design and Simulation Laboratory –II	-	-	3	-	50	-	50	1.5
10.	PC	PI18PC212EC	Embedded Systems Application Laboratory	-	-	3	-	50	-	50	1.5
11.	PW	PI18PW219EC	Mini Project	-	-	2	-	50	-	50	1
12.	PC	PI18PC218EC	Seminar – II	-	-	2	-	50	-	50	1
				21	-	10	-	520	480	1000	24




by **CHAIRMAN, BoS in E.C.E**
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (ECE) EMBEDDED SYSTEMS AND VLSI DESIGN
III and IV -SEMESTERS w.e.f. 2018-19 under CBCS

S. No	Category	Course code	Course Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration in Hrs	CIE	SEE		
III – SEMESTER											
1.	OE	PI18OE3XXXX	Open Elective	3	-	-	3	40	60	100	3
2.	PE	PI18PE3X0EC	Professional Elective - VI	3	-	-	3	40	60	100	3
3.	PW	PI18PW319EC	Dissertation-Phase-I / Internship	-	-	8	-	100	-	100	4
Total				6	-	8	-	180	120	300	10
IV - SEMESTER											
1.	PW	PI18PW419EC	Dissertation-Phase-II / Internship	-	-	24	-	Viva-Voce (Grade)			12

for CHAIRMAN, BoS in E.C.E
 VASAVI COLLEGE OF ENGG.(A)
 HYDERABAD-500 031.

**M.E.– COMMUNICATIONS ENGINEERING
& SIGNAL PROCESSING
SCHEME OF INSTRUCTIONS**

R-14

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

SCHEME OF INSTRUCTION & EXAMINATION
M.E. (ECE) Program-Four semester (Regular)
COMMUNICATION ENGINEERING AND SIGNAL PROCESSING

S. No.	Subject	Periods per week		Duration (Hours)	Max. Marks		Credits
		L/T	D/P		SEM. Exam	Sessional	
Semester – I							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – I	--	3	--	--	50	2
8.	Lab - II	--	3	--	--	50	2
9.	Seminar – I	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – II							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – III	--	3	--	--	50	2
8.	Lab - IV	--	3	--	--	50	2
9.	Seminar – II	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – III							
1.	Dissertation + Project Seminar*	--		-- 6	--	100**	6
Total		--		6	--	100**	6
Semester – IV							
1.	Dissertation	--		--	Viva-voce	Grade***	- 10
Total		--		--	--	--	-- 10

P.T.O



for  CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

Scheme of Instruction & Examination
M.E. – Four Semester Course (Regular)

S. No.	Subject	Periods per week		Duration (Hours)	Max. Marks		Credits
		L/T	D/P		Ext. Exam	Sessional	
Semester – I							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – I	--	3	--	--	50	2
8.	Lab - II	--	3	--	--	50	2
9.	Seminar – I	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – II							
1.	Core	4	--	3	70	30	3
2.	Core	4	--	3	70	30	3
3.	Core / Elective	4	--	3	70	30	3
4.	Core / Elective	4	--	3	70	30	3
5.	Core / Elective	4	--	3	70	30	3
6.	Elective	4	--	3	70	30	3
7.	Lab – III	--	3	--	--	50	2
8.	Lab - IV	--	3	--	--	50	2
9.	Seminar – II	--	3	--	--	50	2
Total		24	9	--	420	330	24
Semester – III							
1.	Dissertation + Project Seminar*	--	-- 6	--	--	-- 100**	-- 6
Total		--	6	--	--	100**	6
Semester – IV							
1.	Dissertation	--	--	Viva-voce	Grade***	-	10
Total		--	--	--	--	--	10

Note: Six core Subjects and Six Elective subjects should be completed by the end of Semester – II.

* One Project Seminar presentation.

** 50 marks to be awarded by guide and 50 marks to be awarded by Viva committee with guide and two internal faculty members.

*** Excellent / Very Good / Good / Satisfactory / Unsatisfactory.

- (i) The syllabus consists of 5 units. Semester end examination will be conducted for 70 marks. The question paper consists of PART - A and PART - B. Part – A is compulsory and should cover the entire syllabus, and carries 20 marks. Part - B will comprise seven questions. There has to be one question in each unit of the syllabus and the remaining two questions may be from the entire syllabus of all 5 units. Student has to answer any five questions out of seven questions and each question carry 10 marks. Theory question paper have total 8 questions out of which candidate has to answer 6 questions including one compulsory question of 20 marks. This compulsory question, consisting of 10 questions, which will cover the entire syllabus. Other questions will be of 10 marks each.
- (ii) Two internal examinations will be conducted for 20 marks. The question paper consists of Part - A and Part - B. Student should answer all the questions from Part - A and any two questions from Part - B. Part - A carries 6 marks and it consists of 6 questions. Each question is awarded 01 mark. The question may be definition, problem solving, multiple choice, match the following and filling the blanks type. Part - B carries 14 marks and consists of 3 Questions. Each question carries 7 marks and it may contain 2 sub questions.



**M.E.– COMMUNICATIONS ENGINEERING
& SIGNAL PROCESSING
SCHEME OF INSTRUCTIONS**


R-16

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
Vasavi College of Engineering (A), Hyderabad 500031

SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E. (ECE) – CE&SP
With effect from Academic year 2016-17

Sl. No.	Category	Subject code	Subject Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration in Hrs	CIE	Sem end Exam		
I – SEMESTER											
Theory											
1.	PC		Professional Core	3	0	0	3	30	70	100	3
2.	PC		Professional Core	3	0	0	3	30	70	100	3
3.	PC		Professional Core	3	0	0	3	30	70	100	3
4.	PE		Professional Core / Elective	3	0	0	3	30	70	100	3
5.	PE		Professional Elective	3	0	0	3	30	70	100	3
6.	PE		Professional Elective	3	0	0	3	30	70	100	3
7.	EEC		Finishing School - I: Soft Skills	2	0	0	2	15	35	50	1
Laboratory											
8.	PC		Advanced Signal Processing Laboratory	0	0	3	3	25	0	25	2
9.	PC		Embedded Systems Laboratory	0	0	3	3	25	0	25	2
10.	EEC		Seminar – I	0	0	2	0	25	0	25	1
				20	0	8	-	270	455	725	24
II – SEMESTER											
Theory											
1.	PC		Professional Core	3	0	0	3	30	70	100	3
2.	PC		Professional Core	3	0	0	3	30	70	100	3
3.	PC		Professional Core / Elective	3	0	0	3	30	70	100	3
4.	PE		Professional Elective	3	0	0	3	30	70	100	3
5.	PE		Professional Elective	3	0	0	3	30	70	100	3
6.	PE		Professional Elective	3	0	0	3	30	70	100	3
7.	EEC		Finishing School – II: Soft Skills	2	0	0	1.5	15	35	50	1
Laboratory											
8.	PC		Communication Systems Simulation Laboratory	0	0	3	3	25	0	25	2
9.	PC		DSP Processors Applications Laboratory	0	0	3	3	25	0	25	2
10.	EEC		Seminar –II	0	0	2	0	25	0	25	1
				20	0	8	-	270	455	725	24
III – SEMESTER											
1.	PC		Dissertation seminar	0	0	4	0	50	0	50	2
2.	PC		Dissertation – Phase I	0	0	16	0	100	0	100	8
				0	0	20	-	150	0	150	10
IV - SEMESTER											
1.	PC		Dissertation – Phase II	0	0	30	-	Viva-voce (Grade)			15
				0	0	30	-	--			15



for 
CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

**M.E.– COMMUNICATIONS ENGINEERING
& SIGNAL PROCESSING
SCHEME OF INSTRUCTIONS**

R-18

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (ECE) Communication Engineering and Signal Processing
I-SEMESTER w.e.f. 2018-19 under CBCS

S.No.	Category	Course code	Course Title	Scheme of Instruction			Scheme of Examination		SEE	Total	Credits
				L	T	P	Duration of SEE in Hrs	CIE			
Theory											
1.	AC	PI18AC110EH	Audit course-I: English for Research Paper Writing	2	-	-	3	40	60	100	-
2.	PC	PII18PC110EC	Core – I: Advanced Digital Signal Processing	3	-	-	3	40	60	100	3
3.	PC	PII18PC120EC	Core – II: Advanced Digital Modulation Techniques	3	-	-	3	40	60	100	3
4.	PC	PII18PC130EC	Core – III: Image and Video Processing	3	-	-	3	40	60	100	3
5.	PE	PII18PE1X0EC	Professional Elective - I	3	-	-	3	40	60	100	3
6.	PE	PII18PE1X0EC	Professional Elective - II	3	-	-	3	40	60	100	3
7.	PE	PII18PE1X0EC	Professional Elective - III	3	-	-	3	40	60	100	3
Laboratory											
8.	PC	PII18PC111EC	Advanced Signal Processing Laboratory	-	-	3	-	50	-	50	1.5
9.	PC	PII18PC121EC	Embedded Systems Laboratory	-	-	3	-	50	-	50	1.5
10.	PC	PII18PC118EC	Seminar – I	-	-	2	-	50	-	50	1
				20	-	8	-	430	420	850	22

Note: AC - Audit Course, PC - Program Core, PE - Professional Elective, HS - Humanities & Social Sciences, PW - Project Work, OE - Open Elective

for
CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
HYDERABAD-500 031.

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (ECE) Communication Engineering and Signal Processing
II-SEMESTER w.e.f. 2018-19 under CBCS

S.No.	Category	Course code	Course Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration of SEE in Hrs	CIE	SEE		
Theory											
1.	AC	PI18AC210EH	Audit course-II: : Pedagogy Studies	2	-	-	3	40	60	100	-
2.	PC	PI18PC240ME	Research Methodology and IPR	2	-	-	3	40	60	100	2
3.	HS	PI18HS200EH	Skill Development Course	2	-	-	3	40	60	100	2
4.	PC	PII18PC210EC	Core-IV: Coding Theory and Techniques	3	-	-	3	40	60	100	3
5.	PC	PII18PC220EC	Core-V: Wireless Communications and Networking	3	-	-	3	40	60	100	3
6.	PC	PII18PC230EC	Core-VI: Microcontrollers and DSP Processors - Architecture	3	-	-	3	40	60	100	3
7.	PE	PII18PE2X0EC	Professional Elective – IV	3	-	-	3	40	60	100	3
8.	PE	PII18PE2X0EC	Professional Elective – V	3	-	-	3	40	60	100	3
Laboratory											
9.	PC	PII18PC211EC	Communication Systems Simulation Laboratory	-	-	3	-	50	-	50	1.5
10.	PC	PII18PC212EC	DSP Processors Applications Laboratory	-	-	3	-	50	-	50	1.5
11.	PW	PII18PW219EC	Mini Project	-	-	2	-	50	-	50	1
12.	PC	PII18PC218EC	Seminar – II	-	-	2	-	50	-	50	1
				21	-	10	-	520	480	1000	24

CHAIRMAN, BoS in E.C.E
 VASAVI COLLEGE OF ENGG.(A)
 HYDERABAD-500 031.

DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (ECE) Communication Engineering and Signal Processing
III and IV-SEMESTER w.e.f. 2018-19 under CBCS

III – SEMESTER											
1.	OE	PII18OE3XXXX	Open Elective	3	-	-	3	40	60	100	3
2.	PE	PII18PE3X0EC	Professional Elective – VI	3	-	-	3	40	60	100	3
3.	PW	PII18PW319EC	Dissertation-Phase-I / Internship	-	-	8	-	100	-	100	4
				6	-	8	-	180	120	300	10
IV – SEMESTER											
1.	PW	PII18PW419EC	Dissertation-Phase-II / Internship	-	-	24	-	Viva-voce (Grade)		12	

for
CHAIRMAN, BoS in E.C.E
VASAVI COLLEGE OF ENGG.(A)
 HYDERABAD-500 031.

**M.E.– POWER SYSTEMS & POWER
ELECTRONICS**

SCHEME OF INSTRUCTIONS

R-14

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
SCHEME OF INSTRUCTION & EXAMINATION

M.E. (Power Systems & Power Electronics)
 Four-Semester Course (Full-Time) 2014-15

S. No	Syllabus Ref. No	Subject	Periods Per Week		Univ. Exam Duration(Hrs.)	Max. Marks		No. of Credits
			L/T	D/P		Univ. Exam	Sessional	
SEMESTER-I								
1	EE5010	Core	4	-	3	70	30	03
2	EE5020	Core	4	-	3	70	30	03
3	EE5030	Core	4	-	3	70	30	03
4		Elective	4	-	3	70	30	03
5		Elective	4	-	3	70	30	03
6		Elective	4	-	3	70	30	03
7	EE5221	Computer Simulation Lab	-	3	-	-	50	02
8	EE5236	Seminar - I	-	3	-	-	50	02
		Total	24	06		420	280	22
SEMESTER-II								
1	EE5040	Core	4	-	3	70	30	03
2	EE5050	Core	4	-	3	70	30	03
3	EE5060	Core	4	-	3	70	30	03
4		Elective	4	-	3	70	30	03
5		Elective	4	-	3	70	30	03
6		Elective	4	-	3	70	30	03
7	EE5241	PSPE Lab	-	3	-	-	50	02
8	EE5256	Seminar - II	-	3	-	-	50	02
		Total	24	06		420	280	2

SEMESTER-III								
1	EE5266	Project Seminar* + Dissertation	-	6	-	-	100**	06
		Total	-	6	-	-	-	06
SEMESTER-IV								
1	EE5276	Dissertation	-	6	Viva-Voce	Grade** *	-	06
		Total	-	6	-	-	-	06

Note: Six core subjects, Six elective subjects, Two laboratory courses and Two seminars should normally be completed by the end of Semester-II.

*One Project seminar presentation

** To be awarded by the Viva Committee with Guide and two internal faculty.

*** Excellent/Very Good/Good/ Satisfactory/Unsatisfactory

VASAVI COLLEGE OF ENGINEERING (Autonomous)

M.E. (Power Systems & Power Electronics)

List of Theory and Practical Subjects

Core Subjects		
1	EE5010	Power Semi-Conductor Devices Circuits
2	EE5020	Advanced Synchronous Machine Theory
3	EE5030	Application of Power Electronics to Power Systems
4	EE5040	Distribution System Planning and Automation
5	EE5050	Power System Stability
6	EE5060	Power Electronics Controlled Electric Drives

Practicals		
1	EE5221	Computer Simulation Lab
2	EE5236	Seminar - I
3	EE5241	Power System Power Electronics Lab
4	EE5256	Seminar - II
5	EE5266	Project Seminar
6	EE5276	Dissertation Work

Elective Subjects		
1	EE5070	Machine Modeling and Analysis
2	EE5080	Advanced Computer methods in Power Systems
3	EE5090	Modern Control Theory
4	EE5100	Advanced Power System Protection
5	EE5110	Real Time Applications in Power Systems
6	EE5120	High Voltage D.C. Transmission
7	EE5130	Artificial Neural Networks
8	EE5140	Renewable Energy Sources
9	EE5150	Reliability Modeling in Power Systems
10	EE5160	Power Quality Engineering
11	EE5170	Energy Management
12	EE5180	Advanced Microprocessors Systems
13	EE5190	Digital Control Systems
14	EE5200	AI Applications to Power Systems
15	EE5210	High Voltage Engineering
16	EE5220	Programmable Logic Controllers And Their Applications
17	EE5230	Microcontrollers

M.E.– POWER SYSTEMS & POWER ELECTRONICS

SCHEME OF INSTRUCTIONS

R-16

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
Ibrahimbagh, Hyderabad – 500 031, Telangana State
DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

SCHEME OF INSTRUCTION AND EXAMINATIONS FOR M.E. COURSE (WEF 2016-17)
UNDER CBCS

S.No	Category	Subject Code	M.E. / M.TECH FIRST YEAR I SEMESTER				Examination			Total Marks	Credits
			Subject Title	Instruction							
				Hours per week							
				L	T	P	Duration in Hrs	Max. Marks			
	THEORY							CIE	SEE		
1	PC	EE5030	Application of Power Electronics to Power Systems	3	1	0	3	30	70	100	3
2	PC	EE5050	Power System Stability	3	1	0	3	30	70	100	3
3	PC	EE5250	Power Electronic Converters	3	1	0	3	30	70	100	3
4	PE	EEXXXX	Professional Elective - I	3	0	0	3	30	70	100	3
5	PE	EEXXXX	Professional Elective – II	3	0	0	3	30	70	100	3
6	PE	EEXXXX	Professional Elective - III	3	0	0	3	30	70	100	3
7	EEC	XXXXXX	Finishing School: Soft Skills	2	0	0	1.5	15	35	50	1
	LABS										
8	PC	EE5221	Computer Simulation Lab	0	0	3	3	25	50	75	2
9	PC	EE5236	Seminar - I	0	0	2	-	25	-	25	1
	Total			20	3	5	-	245	505	750	22
	Grand Total			28							22

S.No	Category	Subject Code	M.E. / M.TECH FIRST YEAR II SEMESTER				Examination			Total Marks	Credits
			Subject Title	Instruction							
				Hours per week							
				L	T	P	Duration in Hrs	Max. Marks			
	THEORY							CIE	SEE		
1	PC	EE5080	Advanced Computer methods in Power Systems	3	1	0	3	30	70	100	3
2	PC	EE5040	Distribution System Planning and Automation	3	1	0	3	30	70	100	3
3	PC	EE5060	Power Electronics Controlled Electric Drives	3	1	0	3	30	70	100	3
4	PE	EEXXXX	Professional Elective – IV	3	0	0	3	30	70	100	3
5	PE	EEXXXX	Professional Elective – V	3	0	0	3	30	70	100	3
6	PE	EEXXXX	Professional Elective - VI	3	0	0	3	30	70	100	3
7	EEC	XXXXXX	Finishing School: Soft Skills	2	0	0	1.5	15	35	50	1
	LABS										
8	PC	EE5241	Power System Power Electronics Lab	0	0	3	3	25	50	75	2
9	PC	EE5256	Seminar - II	0	0	2	-	25	-	25	1
	Total			20	3	5	-	245	505	750	22
	Grand Total			28							22

S.No	Category	Subject Code	M.E. / M.TECH FIRST YEAR III SEMESTER				Examination			Total Marks	Credits
			Subject Title	Instruction							
				Hours per week							
				L	T	P	Duration in Hrs	Max. Marks			
	THEORY							CIE	SEE		
1	PC	EE5276	Dissertation Seminar	0	0	4	-	50	-	50	2
2	PC	EE5286	Dissertation – Phase I	0	0	16	-	100	-	100	8
	Total					20		150	-	150	10
	Grand Total			20						150	10

S.No	Category	Subject Code	M.E. / M.TECH FIRST YEAR IV SEMESTER					Examination		Total Marks	Credits
			Subject Title	Instruction							
				Hours per week							
				L	T	P	Duration in Hrs	Max. Marks			
	THEORY										
1	PC	EE5386	Dissertation – Phase II	0	0	30	-	Viva-voce (Grade)		15	
	Total					30					
	Grand Total			30						15	
Total Credits										69	

**M.E.– POWER SYSTEMS & POWER
ELECTRONICS**

SCHEME OF INSTRUCTIONS

R-18

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (EEE) Power Systems and Power Electronics
I-SEMESTER w.e.f. 2018-19 under CBCS

S.No	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
			Hours per week			Duration in Hrs	Max. Marks		
			L	T	P				
		THEORY					CIE	SEE	
1	PI18AC110EH	Audit Course I: English for Research Paper Writing	2	-	-	3	40	60	-
2	PI18PC110EE	Advanced Computer Methods in Power Systems	3	-	-	3	40	60	3
3	PI18PC120EE	Power Electronics Converters	3	-	-	3	40	60	3
4	PI18PC130EE	Application of Power Electronics to Power Systems	3	-	-	3	40	60	3
5	PI18PC140EE	Power System Stability	3	-	-	3	40	60	3
6	PI18PE1XXEE	Professional Elective (from Power Systems Stream)	3	-	-	3	40	60	3
7	PI18PE1XXEE	Professional Elective (from Power Electronics Stream)	3	-	-	3	40	60	3
		LABS							
8	PI18PC111EE	Computer Simulation Lab	-	-	3	3	50	-	1.5
9	PI18PC121EE	Power Electronics & DSP Lab	-	-	3	3	50	-	1.5
10	PI18PC118EE	Seminar I	-	-	2	-	50	-	1
			20	-	8		430	420	22
			28				850		

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (EEE) Power Systems and Power Electronics
II-SEMESTER w.e.f. 2018-19 under CBCS

S.No	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
			Hours per week			Duration in Hrs	Max. Marks		
			L	T	P				
		THEORY					CIE	SEE	
1	PI18AC210EH	Audit Course-II: Pedagogy Studies	2	-	-	3	40	60	-
2	PI18PC240ME	Research Methodology & IPR	2	-	-	3	40	60	2
3	PI18HS200EH	Skill Development Course	2	-	-	3	40	60	2
4	PI18PC210EE	Power Electronics Controlled Electric Drives	3	-	-	3	40	60	3
5	PI18PC220EE	Distribution System Planning & Automation	3	-	-	3	40	60	3
6	PI18PE2XXEE	Professional Elective (from Power Systems Stream)	3	-	-	3	40	60	3
7	PI18PE2XXEE	Professional Elective (from Power Systems & Power Electronics Stream)	3	-	-	3	40	60	3
8	PI18PE2XXEE	Professional Elective (from Power Electronics Stream)	3	-	-	3	40	60	3
		LABS							
9	PI18PC211EE	Power Systems & Power Electronics Lab	-	-	3	3	50	-	1.5
10	PI18PC221EE	Programmable Logic Controller & Applications Lab	-	-	3	3	50	-	1.5
11	PI18PC218EE	Seminar – II	-	-	2	-	50	-	1
12	PI18PW219EE	Mini Project	-	-	2	-	50	-	1
		Total	21	-	10		520	480	24

DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING
SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E (EEE) Power Systems and Power Electronics
III and IV SEMESTERS w.e.f. 2018-19 under CBCS

S.No	Course Code	Name of the Course	Scheme of Instruction			Scheme of Examination			Credits
			Hours per week			Duration in Hrs	Max. Marks		
			L	T	P				
		THEORY					CIE	SEE	
1	PI18OE3XXXX	Open Elective	3	0	0	3	40	60	3
2	PI18PE3XXEE	Professional Elective	3	0	0	3	40	60	3
		LABS							
3	PI18PW319EE	Dissertation-Phase I / Internship	0	0	8	-	100	-	4
		Total	6	0	8		180	120	10
IV-SEMESTER w.e.f. 2018-19 under CBCS									
1	PI18PW419EE	Phase II Dissertation / Internship	0	0	24		Viva-Voce (Grade)		12
		Total			24				12

CORE SUBJECTS		
1	PI18PC110EE	Advanced Computer Methods in Power Systems
2	PI18PC120EE	Power Electronic Converters
3	PI18PC130EE	Application of Power Electronics to Power Systems
4	PI18PC140EE	Power System Stability
5	PI18PC210EE	Power Electronics Controlled Electric Drives
6	PI18PC220EE	Distribution System Planning & Automation
PROFESSIONAL ELECTIVES POWER SYSTEMS		
1	PI18PEX10EE	Advanced Synchronous Machine Theory
2	PI18PEX20EE	Advanced Power System Protection
3	PI18PEX30EE	Real Time Applications in Power Systems
4	PI18PEX40EE	High Voltage D.C. Transmission
5	PI18PEX50EE	Renewable Energy Sources
6	PI18PEX60EE	Reliability Modeling in Power Systems
7	PI18PEX70EE	Energy Management
8	PI18PEX80EE	AI Applications to Power Systems
9	PI18PEX90EE	High Voltage Engineering
10	PI18PEX14EE	Distributed generation and micro grids
11	PI18PEX24EE	Power System Analysis
12	PI18PEX34EE	AI Techniques
13	PI18PEX44EE	Digital Protection of Power Systems
14	PI18PEX54EE	Electrical Power Distribution System
15	PI18PEX64EE	Wind and Solar Systems
16	PI18PEX74EE	Smart Grid Technologies

PROFESSIONAL ELECTIVES POWER ELECTRONICS		
1	PI18PEX94EE	Power Semi-Conductor Devices Circuits
2	PI18PEX15EE	Machine Modeling and Analysis
3	PI18PEX25EE	Power Quality Engineering
4	PI18PEX35EE	Advanced topics in Power Electronics
5	PI18PEX45EE	Switched Mode power conversion
6	PI18PEX55EE	PWM converters and applications

7	PI18PEX65EE	Digital controllers in Power Electronics Applications
8	PI18PEX75EE	Static Control of Electric Drives
9	PI18PEX85EE	Application of Micro controllers to Power electronics
10	PI18PEX95EE	Power Electronic Control of DC Drives
11	PI18PEX16EE	Power Electronic Control of AC Drives
12	PI18PEX26EE	Digital Control of Power Electronics and Drive systems
13	PI18PEX36EE	SCADA Systems and Applications
14	PI18PEX46EE	Electric and Hybrid Vehicles
15	PI18PEX56EE	Electric Drive Systems
16	PI18PEX66EE	Static VAR Controllers and Harmonic Filtering

OPEN ELECTIVES		
1	PI18OE710XX	Business Analytics
2	PI18OE720XX	Industrial Safety
3	PI18OE730XX	Operations Research
4	PI18OE740XX	Cost Management of Engineering Projects
5	PI18OE750XX	Composite Materials
6	PI18OE760XX	Waste to Energy
AUDIT COURSES I & II		
1	PI18AC110EH	English for Research Paper Writing
2	PI18ACX20XX	Disaster Management
3	PI18ACX30XX	Sanskrit for Technical Knowledge
4	PI18ACX40XX	Value Education
5	PI18ACX50XX	Constitution of India
6	PI18AC210EH	Pedagogy Studies
7	PI18ACX70XX	Stress Management by Yoga
8	PI18ACX80XX	Personality Development through Life Enlightenment Skills
PROFESSIONAL ELECTIVES (COMMON TO POWER SYSTEMS & POWER ELECTRONICS)		
1	PI18PEX76EE	Advanced Microprocessors Systems
2	PI18PEX86EE	Digital Control Systems
3	PI18PEX96EE	Programmable Logic Controllers & Applications
4	PI18PEX17EE	Modern Control Theory
5	PI18PEX27EE	Microcontrollers

**M.E.-ADVANCED DESIGN AND
MANUFACTURING**

SCHEME OF INSTRUCTIONS

R-14

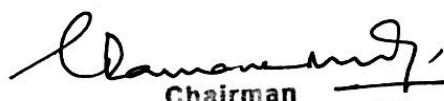
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)

SCHEME OF INSTRUCTION & EXAMINATION

M.E 1- YEAR

(Advanced Design and Manufacturing
MECHANICAL ENGINEERING)

SEMESTER – I								
Sl No.	Syllabus Ref .No.	SUBJECT	Scheme of Instruction		Scheme of Examination			Credits
			Periods per Week		Duration in Hours	Maximum Marks		
			L	D/P		Univ. Exam	Sessi- onals	
THEORY								
1	MA5010	Mathematical methods for Engineers	3	-	3	70	30	3
2	ME5020	Metal Cutting and Forming	3	-	3	70	30	3
3	ME5030	Finite Element Techniques	3	-	3	70	30	3
4	ME5040	Computer Integrated Design and Manufacturing	3	-	3	70	30	3
5	ME5050	Flexible Manufacturing system	3	-	3	70	30	3
6	ME5XX0	Elective - 1	3	-	3	70	30	3
PRACTICALS								
1	ME5011	CAD / CAM Laboratory	-	3	3	50	25	1
2	ME5012	Seminar-I	-	3	-	-	25	1
Total						470	230	20
SEMESTER - II								
THEORY								
1	ME5060	Robotic Engineering	3	-	3	70	30	3
2	ME5070	Metallurgy of Metal Casting & Welding/ Advanced material joining Processes	3	-	3	70	30	3
3	ME5080	Computer Aided Mechanical Design and Analysis	3	-	3	70	30	3
4	ME5XX0	Elective -2	3	-	3	70	30	3
5	ME5XX0	Elective – 3	3	-	3	70	30	3
6	ME5XX0	Elective - 4	3	-	3	70	30	3
PRACTICALS								
1	ME5021	Automation & robotics Laboratory	-	3	3	50	25	1
2	ME5022	Seminar-II	-	3	-	-	25	1
Total						470	230	20


 Chairman
 Board of Studies
 Department of Mechanical Engineering
 Vasavi College of Engineering (Autonomous)
 Hyderabad - 500031.

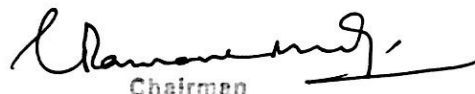
SEMESTER – III

Syllabus Ref. No.	SUBJECT	Scheme of Instruction Periods per Week		Duration in Hours	Scheme of Examination Maximum Marks		Credits
		L	D/P		Univ. Exam	Sessi-onals	
ME6016	Project Seminar		3	-	-	50	2
ME6015	Project (Stage 1)		6	-	-	50	6
Total						100	8

SEMESTER – IV

ME6025	Project (Stage 2)		12	-	Viva-voce (Grade)	-	12
Total						-	12

Sl. No.	Code No.	Title
1	ME5090	Advanced Kinematics
2	ME5100	Dynamics and vibrations
3	ME5110	Advanced Mechanics of solids
4	ME5120	Theory of Elasticity and Plasticity
5	ME5130	Mechanics of composite materials
6	ME5140	Advanced Non destructive Evaluation Techniques
7	ME5150	Design for Manufacture
8	ME5160	Fracture Mechanics
9	ME5170	Rapid Prototyping, Tooling and Manufacture
10	ME5180	Engineering research methodology
11	ME5190	Neural Networks and Fuzzy Logic
12	ME5200	Experimental techniques and Data Analysis
13	ME5210	MEMS and Nano Technology
14	ME5220	An introduction to nano science and technology
15	ME5230	Gear Design
16	ME5240	Product Design and Process Planning
17	ME5250	Quality and Reliability Engineering
18	ME5260	Value Engineering
19	ME5270	Optimization Techniques



Chairman
Board of Studies
Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous)
Hyderabad - 500031.

**M.E.-ADVANCED DESIGN AND
MANUFACTURING**

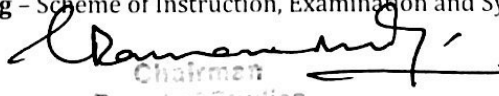
SCHEME OF INSTRUCTIONS

R-16

**SCHEME OF INSTRUCTION AND EXAMINATION FOR
M.E. (Advanced Design and Manufacturing)
With effect from Academic year 2016-17
Choice Based Credit System**

I – SEMESTER											
Sl. No.	Category	Subject code	Subject Title	Scheme of Instruction			Scheme of Examination			Total	Credits
				L	T	P	Duration in Hrs	CIE	Sem end Exam		
1	PC	MA5110	Mathematical methods for Engineers	3	1	0	3	30	70	100	3
2	PC	ME5120	Metal cutting and forming	3	0	0	3	30	70	100	3
3	PC	ME5130	Computer Integrated Design and manufacturing	3	1	0	3	30	70	100	3
4	PE	ME5010	Professional Elective - 1	3	1	0	3	30	70	100	3
5	PE	ME5020	Professional Elective - 2	3	0	0	3	30	70	100	3
6	PE	ME5030	Professional Elective - 3	3	0	0	3	30	70	100	3
7	EEC	HSxxxx	Finishing School: Soft Skills	2	0	0	1.5	15	35	50	1
Laboratory											
8	PC	ME5111	CAD/CAM Laboratory	0	0	2	0	50	0	50	1
9	PC	ME5112	Seminar - I	0	0	2	0	25	0	25	1
				20	3	4	-	270	455	725	21
II - SEMESTER											
1	PC	ME5250	Design for Manufacture and assembly	3	1	0	3	30	70	100	3
2	PC	ME5260	Metallurgy of Metal Casting and welding processes	3	1	0	3	30	70	100	3
3	PC	ME5270	Computer Aided Mechanical Design and Analysis	3	0	0	3	30	70	100	3
4	PE	ME5040	Professional Elective – 4	3	1	0	3	30	70	100	3
5	PE	ME5050	Professional Elective – 5	3	0	0	3	30	70	100	3
6	PE	ME5060	Professional Elective – 6	3	0	0	3	30	70	100	3
7	EEC	HS xxxx	Finishing School: Soft Skills	2	0	0	1.5	15	35	50	1
Laboratory											
8	PC	ME5211	Modelling & Simulation Laboratory	0	0	2	0	50	0	50	1
9	PC	ME5212	Seminar -II	0	0	2	0	25	0	25	1
				20	3	5	-	270	455	725	21
III - SEMESTER											
1.	PC	ME6112	Dissertation seminar	0	0	4	0	50	0	50	2
2.	PC	ME6115	Dissertation – Phase I	0	0	16	0	100	0	100	8
				0	0	20	-	150	0	150	10
IV - SEMESTER											
1.	PC	ME6215	Dissertation – Phase II	0	0	30	-	Viva-voce (Grade)			15
											67

Vasavi College of Engineering – Scheme of Instruction, Examination and Syllabus- CBCS-
ME(ADM)


Chairman

Page 1

Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous)
Hyderabad - 500031.

The student shall select at least **two courses** from each group of Professional Electives to be eligible to receive the degree.

Professional Electives

Sl. No.	Code No.	Design Group (D)	Code No	Manufacturing Group (M)	Code No	Analysis Group (A)
1	ME50x0	Advanced Kinematics	ME50x0	Flexible Manufacturing systems	ME50x0	Finite Element Techniques
2	ME50x0	Mechanical Vibrations	ME50x0	Advanced Non Destructive Evaluation Techniques	ME50x0	Engineering Research Methodology
3	ME50x0	Advanced Mechanics of solids	ME50x0	Additive Manufacturing	ME50x0	Optimisation Techniques
4	ME50x0	Theory of Elasticity and Plasticity	ME50x0	An Introduction to Nano Science and Technology	ME50x0	Computational Fluid Dynamics
5	ME50x0	Mechanics of Composite materials	ME50x0	Product Design and Process Planning	ME50x0	Advanced Finite Element Analysis
6	ME50x0	Robotic Engineering	ME50x0	Quality and Reliability Engineering	ME50x0	Experimental Techniques and Data Analysis
7	ME50x0	Gear Design and Engineering	ME50x0	Value Engineering	ME50x0	Fracture Mechanics
8.	ME50x0	Design of Pressure Vessels and Piping	ME50x0	Mechatronics	-	-
9.	-	-	ME50x0	Mechanical behaviour of engineering materials	-	-

X in Code No. will be replaced by 1,2,3 in I semester and 4,5,6 in II semester.



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Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous)
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Vasavi College of Engineering – Scheme of Instruction, Examination and Syllabus- CBCS-
ME(ADM)

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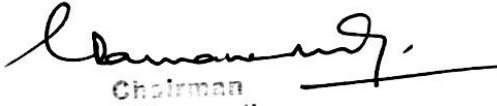
**M.E.-ADVANCED DESIGN AND
MANUFACTURING**

SCHEME OF INSTRUCTIONS


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS)
DEPARTMENT OF MECHANICAL ENGINEERING
Scheme of instruction and examination for
M.E. (Advanced Design & Manufacturing) program wef 2018-19

SEMESTER-I									
S. No	Course Code	Course Title	Scheme of Instruction			Scheme of Examination			
			Hours per week			Duration in Hrs	Max.Marks		Credits
			L	T	P		CIE	SEE	
Theory									
1	PI18AC110EH	Audit Course I – English for Research Paper writing	2	-	-	3	40	60	0
2	PI18PC110MA	Mathematical Methods for Engineers	3	-	-	3	40	60	3
3	PI18PC100ME	Metal Cutting and Forming	3	-	-	3	40	60	3
4	PI18PC110ME	Computer Integrated Design and manufacturing	3	-	-	3	40	60	3
5	PI18PE1X0ME	Professional Elective -1	3	-	-	3	40	60	3
6	PI18PE1X4ME	Professional Elective -2	3	-	-	3	40	60	3
7	PI18PE1X5ME	Professional Elective -3	3	-	-	3	40	60	3
Labs									
8	PI18PC111ME	Computer Aided Modelling and Assembly Laboratory	-	-	3	3	50	-	1.5
9	PI18PC121ME	Advanced Manufacturing Laboratory	-	-	3	3	50	-	1.5
10	PI18PC118ME	Seminar I	-	-	2	-	50	-	1
		Total	20	-	8		430	420	22
		Grand Total	28				850		


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Department of Mechanical Engineering
Vasavi College of Engineering (Autonomous)
Hyderabad - 500031.

SEMESTER-II									
S. No	Course Code	Course Title	Scheme of Instruction			Scheme of Examination			
			Hours per Week			Duration in Hrs	Maximum Marks		Credits
			L	T	P		CIE	SEE	
Theory									
1	PI18AC210EH	Audit Course 2: Pedagogy Studies	2	-	-	3	40	60	0
2	PI18PC240ME	Research Methodology and IPR	2	-	-	3	40	60	2
3	PI18HS200EH	Skill Development Course	2	-	-	3	40	60	2
4	PI18PC210ME	Design for Manufacture and assembly	3	-	-	3	40	60	3
5	PI18PC220ME	Metallurgy of Metal Casting and Welding	3	-	-	3	40	60	3
6	PI18PC230ME	Computer Aided Mechanical Design and Analysis	3	-	-	3	40	60	3
7	PI18PE2X0ME	Professional Elective – 4	3	-	-	3	40	60	3
8	PI18PE2X4ME	Professional Elective – 5	3	-	-	3	40	60	3
Labs									
9	PI18PC231ME	Vibration Analysis Laboratory	-	-	3	-	50	-	1.5
10	PI18PC241ME	Computer Aided Simulation Laboratory	-	-	3	-	50	-	1.5
11	PI18PC218ME	Seminar - II	-	-	2	-	50	-	1
12	PI18PW219ME	Mini Project	-	-	2	-	50	-	1
		Total	21	-	10		520	480	24
		Grand Total	31				1000		
Foundation Classes : 3 Hours& CCA : 2 Hours									


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 Board of Studies
 Department of Mechanical Engineering
 Vasavi College of Engineering (Autonomous)
 Hyderabad - 500031.

MASTER OF COMPUTER APPLICATIONS

SCHEME OF INSTRUCTIONS

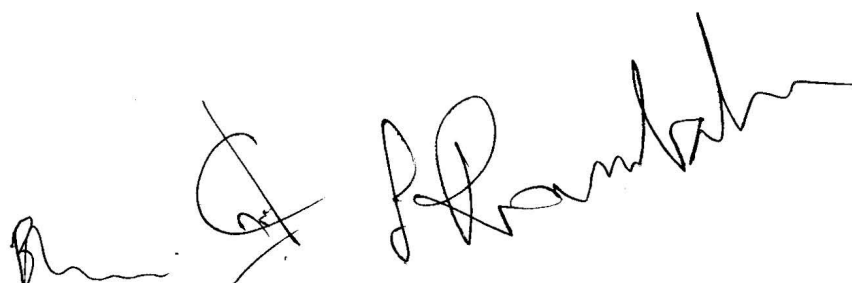
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31**DEPARTMENT OF COMPUTER APPLICATIONS****SCHEME OF INSTRUCTION & EXAMINATION****MCA I YEAR I-Semester**

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction			Scheme of Examination			
			Periods per week			End Sem Exam hrs	Maximum Marks		Credits
I YEAR I SEMESTER			L	T	P		End Sem Exam	Sessi- onals	
1	HS 5010	Communicative English - I	2	-	-	2	35	15	2
2	CA 5020	Discrete Mathematics	4	1	-	3	70	30	3
3	HS 5030	Managerial Economics and Accountancy	4	1	-	3	70	30	3
4	CA 5040	Computer Programming and Problem Solving	4	1	-	3	70	30	3
5	CA 5050	Management Information Systems	4	1	-	3	70	30	3
6	CA 5060	Computer Organization	4	1	-	3	70	30	3
Practicals									
7	HS 5311	English Language Training Lab – I	-	-	2	2	25	25	1
8	CA 5321	Programming Lab-I (C&C++ Lab)	-	-	9	3	50	25	3
9	CA 5331	Programming Lab-II (EIT Lab)	-	-	3	3	50	25	2
TOTAL			22	05	14	25	510	240	23



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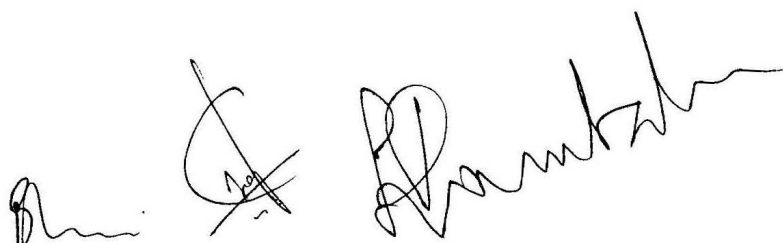


VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS
SCHEME OF INSTRUCTION & EXAMINATION
MCA I YEAR II-Semester

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction			Scheme of Examination			
			Periods per week			End Sem Exam hrs	Maximum Marks		Credits
I YEAR II SEMESTER			L	T	P		End Sem Exam	Sessi- onals	
1	HS 5510	Communicative English – II	2	-	-	2	35	15	2
2	CA 5520	Probability and Statistics	4	1*	-	3	70	30	3
3	CA 5530	Object Oriented Programming using JAVA	4	1	-	3	70	30	3
4	CA 5540	Data Structures	4	1	-	3	70	30	3
5	CA 5550	Software Engineering	4	1	-	3	70	30	3
6	CA 5560	Computer Networks	4	1	-	3	70	30	3
Practicals									
7	HS 5811	English Language Training Lab – II	-	-	2	2	25	25	1
8	CA 5821	Programming Lab-III OOP (JAVA) Lab	-	-	6	3	50	25	3
9	CA 5831	Programming Lab-IV (DS Lab)	-	-	6	3	50	25	3
TOTAL			22	05	14	25	510	240	24

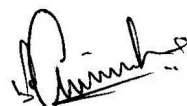


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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31**DEPARTMENT OF COMPUTER APPLICATIONS****SCHEME OF INSTRUCTION & EXAMINATION****MCA II YEAR I-Semester**

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction			Scheme of Examination			
			Periods per week			End Sem Exam hrs	Maximum Marks		Credits
Theory			L	T	P		End Sem Exam	Sessi-onals	
1	CA 6010	Database Management Systems	4	1	-	3	70	30	3
2	CA 6020	Operations Research	4	1	-	3	70	30	3
3	CA 6030	Operating Systems	4	1	-	3	70	30	3
4	CA 6040	Design and Analysis of Algorithms	4	1	-	3	70	30	3
5	CA 6050	Software Testing	4	1	-	3	70	30	3
6	HS 6060	Finishing School – I	2	-	-	1 ½	35	15	1
Practical									
7	CA 6315	Mini Project – I	-	-	2	-	-	25	1
8	CA 6321	Programming Lab – V (DBMS Lab)	-	-	6	3	50	25	2
9	CA 6331	Programming Lab – VI (OS Lab)	-	-	6	3	50	25	2
TOTAL			22	05	14	22 ½	485	240	21


Dr. P. Hemagiri Rao
Chairman BoS


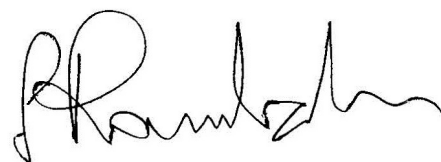
Mr. S. Bala Krishna



Dr. Rajeev Wankar



Mr. Oruganti Prasad



Mr. S. Rambabu

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS
SCHEME OF INSTRUCTION & EXAMINATION

MCA II YEAR II-Semester

Sl. No.	Syllabus Ref. No.	SUBJECT	Scheme of Instruction			Scheme of Examination			
			Periods per week			End Sem Exam hrs	Maximum Marks		Credits
Theory			L	T	P		End Sem Exam	Sessi-onals	
1	CA 6510	Data Mining	4	1	-	3	70	30	3
2	CA 6520	Web Programming and Services	4	1	-	3	70	30	3
3	CA 6530	Network Programming and Scripting Languages	4	1	-	3	70	30	3
4	CA 6540	Mobile Communications	4	1	-	3	70	30	3
5	CA	Elective – I	4	1	-	3	70	30	3
6	MA 6550	Finishing School – II	2	-	-	1 ½	35	15	1
Practical									
7	CA 6815	Mini Project – II	-	-	2	-	-	25	1
8	CA 6821	Programming Lab – VII (WPS Lab)	-	-	6	3	50	25	2
9	CA 6831	Programming Lab – VIII (NPSL Lab)	-	-	6	3	50	25	2
TOTAL			22	05	14	22 ½	485	240	21

Elective – I :

1. CA 6560 Enterprise Application Development using Java
2. CA 6570 Distributed Systems
3. CA 6580 Software Project Management
4. CA 6590 Artificial Intelligence




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Mr. S. Bala Krishna



Dr. Rajeev Wankar



Mr. Oruganti Prasad



Mr. S. Rambabu

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS

SCHEME OF INSTRUCTION & EXAMINATION
MCA III YEAR I-SEMESTER

Sl. No	Course Ref. No.	Course	Scheme of Instruction			Scheme of Examination			
			Periods per week			End Sem Exam hrs	Maximum Marks		Credits
Theory			L	T	P		End Sem Exam	Sessi-onals	
1	CA 7010	Middleware Technologies	4	1	-	3	70	30	4
2	CA 7020	Object Oriented Systems Development	4	1	-	3	70	30	4
3	CA	Elective – II	4	1	-	3	70	30	4
4	CA	Elective – III	4	1	-	3	70	30	4
Practical									
5	CA 7316	Project Seminar *	-	-	3	-	-	25	2
6	CA 7321	Programming Lab-IX (MWT Lab)	-	-	6	3	50	25	3
7	CA 7331	Programming Lab-X (OOSD Lab)	-	-	6	3	50	25	3
8	CA 7341	Certification Course I – Cisco Networking (Introduction to Networking)	-	-	3	-	-	25	2
TOTAL			16	04	18	18	380	220	26

Code Elective – II


CA 7030	Cloud Computing
CA 7040	Human Computer Interaction
CA 7050	Software Reuse Techniques
CA 7060	Mobile Application Development


Code Elective – III

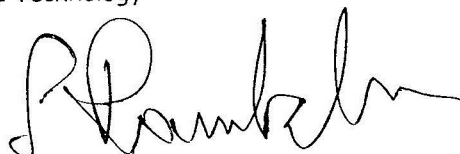
CA 7070	Information Security
CA 7080	System Administration
CA 7090	Information Retrieval Systems
CA 7100	Multimedia Technology


 Dr. P. Hemagiri Rao
 Chairman BoS


 Mr. S. Bala Krishna


 Dr. Rajeev Wankar


 Mr. Oruganti Prasad


 Mr. S. Rambabu

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS

SCHEME OF INSTRUCTION & EXAMINATION
MCA III YEAR II-SEMESTER


Sl. No.	Syllabus Ref. No.	SUBJECT	Category	Scheme of Instruction		Scheme of Examination			
				Periods per week		End Sem Exam hrs	Maximum Marks		Credits
				L/T	D/P		End Sem Exam	Sessi-onals	
1	CA 7815	Project { Seminar Lab	EEC	-	4 6	Viva Voce	Grade*	50	10
2	CA 7821	Certification Course II – Cisco Networking (Routing and Switching Concepts)	EEC	-	3	-	-	25	2
TOTAL				13		-	-	75	12

* Projects are evaluated with Viva Voce examination and the following grades are awarded:

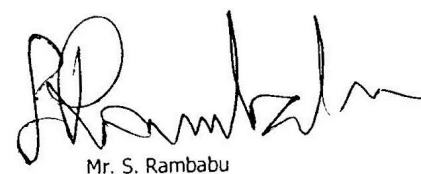
Outstanding/Excellent/Very Good/Good/Average/Pass/Fail.


Note: In case of **Fail**, the candidate has to **re-appear** the Viva Voce examination.


 Dr. P. Hemagiri Rao
 Chairman BoS


 Mr. S. Bala Krishna


 Dr. Rajeev Wankar


 Mr. S. Rambabu


 Mr. Oruganti Prasad

MASTER OF COMPUTER APPLICATIONS

SCHEME OF INSTRUCTIONS

R-16

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS

SCHEME OF INSTRUCTION & EXAMINATION
MCA I YEAR I-SEMESTER (CBCS)

Sl. No.	Course Code	Course Title	Category	Scheme of Instruction			Scheme of Examination			
				Periods per week			End Sem Exam Hrs	Maximum Marks		Credits
				L	T	P		End Sem Exam	Sessi-onals	
THEORY										
1	HS 5010	Communicative English - I	EEC	2	-	-	2	35	15	2
2	CA 5020	Discrete Structures	FC	3	1	-	3	70	30	3
3	HS 5030	Managerial Economics and Accountancy	FC	3	1	-	3	70	30	3
4	CA 5040	Problem Solving and Programming In C	FC	3	1	-	3	70	30	3
5	CA 5050	Managemènt Information Systems	PC	3	1	-	3	70	30	3
6	CA 5060	Computer Organization	PC	3	1	-	3	70	30	3
PRACTICALS										
7	HS 5311	English Language Training Lab – I	EEC	-	-	2	2	25	25	1
8	CA 5321	Programming Lab-I (C)	FC	-	-	4	3	50	25	2
9	CA 5331	Programming Lab-II (Elements of Information Technology)	FC	-	-	4	3	50	25	2
TOTAL				32			-	510	240	22

Dr. Rajeev Wankar

Mr. S. Bala Krishna

Mr. S. Rambabu

Mr. Oruganti Prasad

Dr. P. Hemaqiri Rao
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS

SCHEME OF INSTRUCTION & EXAMINATION
MCA I YEAR II-Semester (CBCS)

Sl. No.	Course Code	Course Title	Category	Scheme of Instruction			Scheme of Examination			
				Periods per week			End Sem Exam hrs	Maximum Marks		Credits
				L	T	P		End Sem Exam	Sessi-onals	
THEORY										
1	HS 5510	Communicative English – II	EEC	2	-	-	2	35	15	2
2	CA 5520	Probability and Statistics	FC	3	1	-	3	70	30	3
3	CA 5530	Object Oriented Programming In C++	FC	3	1	-	3	70	30	3
4	CA 5540	Data Structures	PC	3	1	-	3	70	30	3
5	CA 5550	Operating Systems	PC	3	-	-	3	70	30	3
6	CA 5560	Software Engineering	PC	3	1	-	3	70	30	3
PRACTICALS										
7	HS 5811	English Language Training Lab – II	EEC	-	-	2	2	25	25	1
8	CA 5821	Programming Lab-III (C++ and DS)	FC	-	-	4	3	50	25	2
9	CA 5831	Programming Lab-IV (OS)	PC	-	-	4	3	50	25	2
TOTAL				31			-	510	240	22

Dr. Rajeev Wankar

Mr. S. Rambabu

Mr. S. Bala Krishna

Mr. Oruganti Prasad

Dr. P. Hemagiri Rao
Chairman BoS

VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS
SCHEME OF INSTRUCTION & EXAMINATION
MCA II YEAR I-Semester – CBCS
(With effect from 2017-18)

Sl. No.	Course Code	Course Title	Category	Scheme of Instruction			Scheme of Examination			
				Hours per week			End Sem. Exam hrs.	Maximum Marks		Credits
				L	T	P		End Sem. Exam	Internal Assessment	
THEORY										
1	CA 6090	Database Management Systems	PC	3	1	-	3	70	30	3
2	CA 6100	Operations Research	PC	3	1	-	3	70	30	3
3	CA 6110	Object Oriented Programming using Java	FC	3	1	-	3	70	30	3
4	CA 6120	Computer Networks	PC	3	1	-	3	70	30	3
5	CA	Elective - I	PE	3	1	-	3	70	30	3
6	HS 6130	Finishing School – I	EEC	3	1	-	3	70	30	3
PRACTICALS										
7	CA 6345	Mini Project – I	EEC	-	-	2	-	-	25	1
8	CA 6351	Programming Lab – V (DBMS)	PC	-	-	4	3	50	25	2
9	CA 6361	Programming Lab – VI (Java)	FC	-	-	4	3	50	25	2
TOTAL				34			-	520	255	23

Elective - I:

Sl. No.	Course Code	Course Title	Category
1	CA 6140	Software Testing	PE
2	CA 6150	Artificial Intelligence	PE
3	CA 6160	Distributed Systems	PE

Dr. Rajeev Wankar

Mr. S. Rambabu

Mr. S. Bala Krishna

Mr. B. Swamy

Dr. P. Hemagiri Rao
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VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS
SCHEME OF INSTRUCTION & EXAMINATION
MCA II YEAR II-Semester – CBCS
(With effect from 2017-18)

Sl. No.	Course Code	Course Title	Category	Scheme of Instruction			Scheme of Examination			
				Hours per week			End Sem. Exam. hrs	Maximum Marks		Credits
				L	T	P		End Sem. Exam.	Internal Assessment	
THEORY										
1	CA 6610	Web Programming and Services	PC	3	1	-	3	70	30	3
2	CA 6620	Network Programming and Scripting Languages	PC	3	1	-	3	70	30	3
3	CA 6630	Design and Analysis of Algorithms	PC	3	1	-	3	70	30	3
4	CA	Elective – II	PE	3	1	-	3	70	30	3
5	CA	Elective – III	PE	3	1	-	3	70	30	3
6	HS 6640	Finishing School – II	EEC	3	1	-	3	70	30	3
PRACTICALS										
7	CA 6845	Mini Project – II	EEC	-	-	2	-	-	25	1
8	CA 6851	Programming Lab – VII (WPS)	PC	-	-	4	3	50	25	2
9	CA 6861	Programming Lab – VIII (NPSL)	PC	-	-	4	3	50	25	2
TOTAL				34			-	520	255	23

Electives – II & III:

Sl. No.	Course Code	Course Title	Category
1	CA 6650	Data Mining	PE
2	CA 6660	Mobile Communications	PE
3	CA 6670	Enterprise Application Development using Java	PE
4	CA 6680	Software Project Management	PE
5	CA 6690	Information Retrieval Systems	PE
6	CA 6700	Human Computer Interaction	PE

Dr. Rajeev Wankar

Mr. S. Rambabu

Mr. S. Bala Krishna

Mr. B. Swamy


Dr. P. Hemagiri Rao
Chairman BoS

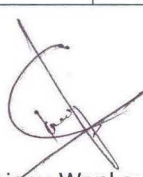
VASAVI COLLEGE OF ENGINEERING (AUTONOMOUS), HYDERABAD-31
DEPARTMENT OF COMPUTER APPLICATIONS
SCHEME OF INSTRUCTION & EXAMINATION
MCA V - SEMESTER – CBCS
(With effect from 2018-19)

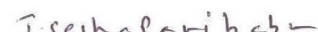
Sl. No.	Course Code	Course Title	Category	Scheme of Instruction			Scheme of Examination			
				Hours per week			SEE hrs	Maximum Marks		Credits
				L	T	P		SEE	CIE	
THEORY										
1	CA 7120	Middleware Technologies	PC	3	1	-	3	70	30	3
2	CA 7130	Object Oriented System Development	PC	3	1	-	3	70	30	3
3	CA	Elective – IV	PE	3	1	-	3	70	30	3
4	CA	Elective – V	PE	3	1	-	3	70	30	3
PRACTICALS										
5	CA 7356	Project Seminar	EEC	-	-	3	-	-	25	2
6	CA 7361	Programming Lab-IX (MWT)	PC	-	-	4	3	50	25	2
7	CA 7371	Programmng Lab-X (OOSD)	PC	-	-	4	3	50	25	2
8	CA 7381	Certification Course – I Cisco Networking (Introduction to Networking)	EEC	-	-	3	-	-	25	2
TOTAL				30			-	380	220	20

Electives – IV & V :


Sl. No.	Course Code	Course Title	Category
1	CA 7140	Software Reuse Techniques	PE
2	CA 7150	Cloud Computing	PE
3	CA 7160	Multimedia Technology	PE
4	CA 7170	System Administration	PE
5	CA 7180	Information Security	PE


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 Group Project Manager Infosys,



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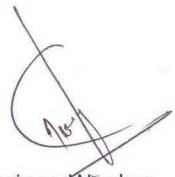

Dr. P. Hemagiri Rao
 Hod & Bos Chairman.

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Sl. No.	Syllabus Ref. No.	SUBJECT	Category	Scheme of Instruction		Scheme of Examination			
				Hours per week		SEE hrs	Maximum Marks		Credits
				L	P		SEE	CIE	
1	CA 7835	Project { Seminar Lab	EEC	-	6 14	Viva Voce	100	50	10
2	CA 7841	Certification Course – II Cisco Networking (Routing and Switching Concepts)	EEC	-	3	-	-	25	2
TOTAL				23		-	100	75	12


Note: In case of Fail, the candidate has to re-appear the Viva Voce examination.


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