



Vasavi College of Engineering

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(Autonomous)

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(Sponsored by Vasavi Academy of Education)

(Affiliated to Osmania University & approved by AICTE)

9-5-81, Ibrahimbagh, Hyderabad 500 031, India, www.vce.ac.in

Minutes of the 15th meeting of the Academic Council held at 10.30 a.m. on 21.08.2021 (Saturday)

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| 1. Dr. S.V. Ramana, Principal, VCE | : Chairman |
| 2. Dr. N.Suresh Kumar, Dean Faculty of Engineering
UCE, OU, Hyderabad, O.U. Nominee | : Member |
| 3. Dr. K.G. Chandrika, Dean Faculty of Management, O.U. Nominee | : Member |
| 4. Dr. A.Balakishan, Dean Faculty of Science, O.U. Nominee | |
| 5. Dr. D.M. Vinod Kumar, Professor (HAG),
Dept. of EEE, NIT-Warangal | : Member |
| 6. Dr. Shobhan Babu, Asso. Prof., IIT-Hyd. | : Member |
| 7. Dr. V. Sudhakar, Professor, EFLU, Hyderabad. | : Member |
| 8. Dr. Raghavendra Kune, Scientist/Engineer "SF, ADRIN",
Department of ISRO, Government of India. | : Member |
| 9. Dr. B.Venkatesham, Associate Professor, Dept. of Mech. Engg.,
IIG-Hyderabad. | : 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. T. Rama Mohan Rao, HoD-Mech., Engg., VCE | : Member |
| 15. Dr. T. Sudhakara Rao. HoD-Mathematics, VCE | : Member |
| 16. Dr. A.S. Sai Prasad, HoD-Physics, VCE | : Member |
| 17. Dr. P. Venu Gopal, HoD-Chemistry, VCE | : Member |
| 18. Dr. K. Jhansi Rani, HoD-H&SS, VCE | : Member |
| 19. Dr. Nagaratna P. Hegde, Professor, Dept. of CSE, VCE | : Member |
| 20. Dr. K. Veera Swamy, Professor, Dept. of ECE, VCE | : Member |
| 21. Mr. M. Bhasker, Asso. Prof., Dept. of Civil Engg., VCE | : Member |
| 22. Dr. P. Hemagiri Rao, CoE, VCE | : Member |
| 23. Dr. K. Kishore, Professor, Dept., of Mech. Engg., VCE | : Member |
| 24. Dr. 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. Mr. M. Ranganath, Sr. Manager, Deloitte, Hyderabad.
2. Dr. A. Venu Gopal, Professor, Dept. of Mech. Engg., NIT-Warangal
3. Dr. Rajeev Wankar, Professor, Dept. of Computer Science & Information Sciences, Univ. of Hyd.
4. Dr. B.Sridhar, HoD-Civil, VCE

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

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

Agenda for Approval:

1. **Presentation of a brief profile of the college by the Principal to introduce the college to the newly nominated members of the Academic Council:**

The Principal has given a brief presentation on the profile of the College.

2. Confirmation of the minutes of the 14th meeting of the Academic Council held on 09.01.2021:

The minutes of the 14th meeting of the Academic Council held on 06.08.2020 were read and confirmed.

3. Review and approve the action taken report on the resolutions of the Academic Council meeting held on 09.01.2021:

The Action taken report was reviewed by the members which is as follows:

Agenda Item No.	Suggestion	Action Taken
3	Dr.D.M.Vinod Kumar suggested to include the possible date of announcing results of Semester End Examination in Almanac	Date for announcing results is included in the Almanacs.
3	Dr. Rajeev Wankar suggested to mention the "Course Registration" as "On-line Course Registration" in the Almanacs of B.E. IV, VI, VIII Semesters, M.E./ M.Tech. programmes.	"Course Registration" is modified as "On-line Course Registration" in the Almanacs.
5	Members suggested to circulate a list of Coursera /Edx courses approved by respective Boards of studies among the students.	Approved list of Coursera /Edx courses were circulated by the respective Boards of Studies among the students.
5	Dr.M.Kumar suggested to identify a methodology/modalities for award of grades to B.E & M.E/M.Tech students who have completed MOOCs through Coursera /Edx in lieu of Swayam NPTEL courses.	The methodology for the award of grades is prepared and placed as agenda item No.7 seeking suggestions and approval of the Council.

The Principal VCE, has informed the members that the College has implemented the above suggestions made by the members.

The Academic Council has resolved to approve the action taken by the College.

4. Review and approval of the Almanacs for the Academic Year 2021-22 in respect of the following Programmes:

- B.E-III to VIII Semesters.
- M.E/ M.Tech-III & IV Semesters.

The Almanacs for the Academics of B.E., M.E/M.Tech Programmes for the academic year 2021-22 has been presented by the Principal:

I. For B.E. Programmes:

a) B.E - III Semester

S.No.	Name of the Item	Period - 16 weeks
1	Online course registration by students	From 15.09.2021 & 18.09.2021
2	Commencement of Classwork	20.09.2021
3	1 st Internal Test	08.11.2021 to 11.11.2021
4	Parent- Teacher Meeting	20.11.2021
5	2 nd internal Test	04.01.2022 to 08.01.2022
6	Last date of instruction	08.01.2022
7	Preparation holidays and conduct of Lab SEE	10.01.2022 to 22.01.2022
8	Conduct of SEE Theory	24.01.2022 to 12.02.2022
9	Declaration of Results for BE-III Semester	26.02.2022

b) B.E - IV Semester

S.No.	Name of the Item	Period - 16 weeks
1	Online course registration by students	From 07.02.2022 to 11.02.2022
2	Commencement of Classwork	14.02.2022
3	1 st Internal Test	04-04-2022 to 08-04-2022
4	Parent- Teacher Meeting	16-04-2022
5	Euphoria & TechFest-2022	To be decided later
6	2 nd Internal Test	31-05-2022 to 04-06-2022
7	Last date of instruction	04.06.2022
8	Preparation holidays and conduct of Lab SEE	06-06-2022 to 18-06-2022
9	Conduct of SEE Theory	20-06-2022 to 09.07.2022
10	Declaration of Results for BE-IV Semester	23.07.2022
11	Commencement of ODD Semesters for the Academic year 2022-2023	25.07.2022

a) For B.E - V & VII Semesters

S.No.	Name of the Item	Period - 16 weeks
1	Online course registration by students	From 30.08.2021 to 04.09.2021
2	Commencement of Classwork	06.09.2021
3	1 st Internal Test	25.10.2021 to 29.10.2021
4	Parent- Teacher Meeting	06.11.2021
5	2 nd internal Test	20.12.2021 to 24.12.2021
6	Last date of instruction	24.12.2021
7	Preparation holidays and conduct of Lab SEE	27.12.2021 to 08.01.2022
8	Conduct of SEE Theory	10.01.2022 to 05.02.2022
9	Declaration of Results for BE-V & VII Semesters	26.02.2022

b) BE VI & VIII Semesters

S.No.	Name of the Item	Period - 16 weeks
1	Online course registration by students	From 07.02.2022 to 11.02.2022
2	Commencement of Classwork	14.02.2022
3	1 st Internal Test	04-04-2022 to 08-04-2022
4	Parent- Teacher Meeting	16-04-2022
5	Euphoria & TechFest-2022	To be decided later `
6	2 nd Internal Test	31-05-2022 to 04-06-2022
7	Last date of instruction	04.06.2022
8	Preparation holidays and conduct of Lab SEE	06-06-2022 to 18-06-2022
9	Conduct of SEE Theory	20-06-2022 to 09.07.2022
10	Declaration of Results for BE-VIII Semester Declaration of results for BE-VI Semester	02-07-2022 23-07-2022
11	Commencement of ODD Semesters for the Academic year 2022-2023	25-07-2022

II. For M.E./M.Tech. Programmes**a) M.E./M.Tech - III Semester**

S.No.	Name of the Item	Period - 16 weeks
1	Online orientation and briefing session for registration of subjects	28.09.2021 to 01.10.2021
2	Commencement of classwork	04.10.2021
3	1 st Internal Test	27.11.2021
4	2 nd Internal Test	22.01.2022
5	Project Seminar (Presentation & Evaluation)	17.01.2022 to 20.01.2022
6	Last date of Instruction	22.01.2022
7	Display of attendance and Sessional Marks	25.01.2022
8	Theory Exams	31.01.2022 to 02.02.2022
9	Declaration of results	05.02.2022
10	Make-up Exams	21.02.2022 to 23.02.2022

b) M.E./M.Tech - IV Semester

S.No.	Name of the Item	Period - 16 weeks
1	Online registration and commencement of Project work	07.02.2022
2	Euphoria & TechFest-2022	To be decided later
3	Project Seminar (Presentation & Evaluation)	Departments to decide the schedule
4	Last date for submission of Draft dissertation	28.05.2022
5	Pre-submission Viva Voce Examination	06.06.2022 to 11.06.2022
6	Submission of approved thesis of the students for External Evaluation	09.07.2022
7	Conduct of External Viva-Voce	18.07.2022 to 23.07.2022
8	Pre-submission Viva-Voce Examination(for Late Submission)	10.10.2022 to 15.10.2022
9	Conduct of External Viva-Voce Examination(for late Submission)	07.11.2022 to 12.11.2022

The Academic Council has resolved to approve the Almanacs of B.E & M.E./M.Tech. programmes for the Academic Year 2021-22.

5. Review and approval of the exemption of Co- Curricular (CCA) & Extra-Curricular Activities(ECA) for B.E students for the academic year 2020-21 (CBCS mandatory requirement) in view of the COVID-19 pandemic:

The Principal informed the members that, the following mandatory requirements are to be completed by the students admitted under CBCS Regulations besides securing 162-Credits from I to VIII-Semesters to become eligible for award of B.E. Degree:

- 3 CCA (Co-curricular Activities).
- 2 ECA (Extra Curricular Activities).
- 1 Theme based project.
- 1 Online Certification Course (NPTEL) of 8-Weeks duration.

He further informed that, the College was not able to offer CCA & ECA during the academic year 2020-21 in view of COVID-19 pandemic. It is proposed to exempt ECA-I for B.E. – III Semester students and CCA-3 & ECA-2 for B.E. – V Semester students for the Academic Year 2020-21. It is also proposed to exempt the repetition of Extra-Curricular Activities for B.E – VII Semester students who could not complete them in their earlier semesters for the academic year 2020-21.

The Academic Council resolved to approve the above proposals made by the College for the academic year 2021-22 in view of the COVID-19 pandemic.

6. Review and approval of the Coursera / edX Online Certification Courses in lieu of Swayam-NPTEL courses (CBCS mandatory requirement) for M.E/ M.Tech – IV Semester students in view of the COVID-19 pandemic:

The Principal informed the members that, as per VCE-CBCS Regulations, the M.E./M.Tech students should complete ONE Online Certification Course (NPTEL) of minimum 8-Week duration during II to III Semesters of their study to become eligible for the award of Degree. Due to COVID-19 pandemic, NPTEL Certification examinations could not be conducted till 31.07.2021. Accordingly, the College has advised the students to complete the Online Certification Course through the Coursera Platform to fulfil the condition of the said mandatory requirement. Hence, the Academic Council is requested to grant approval to consider the Coursera Online Certification in lieu of NPTEL Certification Course for the M.E./M.Tech – IV Semester students who will be graduating in the academic year 2020-21. It is submitted to the members that the same requirement is applicable for BE students also, but Academic Council approval was taken in the meeting held on 09.01.2021.

The Academic Council resolved to approve the above proposal made by the College.

7. Review and approval of the modalities for award of grades to B.E & M.E/M.Tech students who have completed MOOCs through Coursera /edX in lieu of Swayam NPTEL courses due to COVID-19 Pandemic for the year 2020-21:

The Principal informed the members that, the following are the modalities for the award of Grade on the completion of Coursera / edX course in lieu of NPTEL equivalent to 2 credits by the M.E/M.Tech students who were admitted during 2019 – 20 by considering the present COVID pandemic situation:

S.No	Duration	Marks %	Grade
1	8 weeks or above	90 % or above	A+
2	8 weeks or above	80% and above	A
3	8 weeks or above	70% and above	B+
4	6 weeks or above	90 % or above	B
5	6 weeks or above	80 % or above	C
6	6 weeks or above	70% and above	D

Dr.B.Venkatesam and other members suggested to revise the grading for courses as follows:

S.No	Duration	Marks %	Grade
1	8 weeks or above	90 % or above	A+
2	8 weeks or above	80% and above	A
3	8 weeks or above	70% and above	B+
4	6 weeks or above	90 % or above	A
5	6 weeks or above	80 % or above	B+
6	6 weeks or above	70% and above	B

The Academic Council resolved to approve the revised proposal.

8. Review and approval for introduction of SEE component for the Mini Project & Theme Based Project Courses with effect from the academic year 2021-22:

The Principal informed the members that, the following guidelines are proposed for incorporating SEE component for Mini & Theme Based Projects:

Mini Project / Theme Based Evaluation

L:T:P (Hrs./week):0:0:2	SEE Marks :50	Course Codes: U21XXXXXXX U20XXXXXXX
Credits : 1	CIE Marks: 30	Duration of SEE: 3 Hours

Objective: Develop an application/product prototype using any of the programming languages/simulation tools/electronic circuits/Engineering concepts.

Course of Action:

1. Students should be divided into teams of 2 or 3 for each project.
2. Faculty Supervisors should be allotted for the teams.
3. The project titles should be submitted by the students and approved by their supervisor.
4. Progress of the project should be reviewed weekly.

Continuous Internal Evaluation (CIE) – 30 marks : To be evaluated by the Internal Examiner as per the following:

Assesment-1 : [5 Marks]

Review of problem selection & abstract to be conducted in week-2.

Assesment-2: [10 Marks]

Review of project design & initial phase of implementation and to be conducted in week-7.

Assesment-3: [15 Marks]

Review of final implementation, presentation and report to be conducted in week-15.

Semester End Examination(SEE) – 50 marks: To be evaluated by the External Examiner

Evaluation is to be done based on the following:

PowerPoint Presentation	[10 Marks]
Demonstration of the application	[20 Marks]
Project report	[10 Marks]
Viva Voce	[10 Marks]

External Examiner should be appointed from other premier Institutes OR from the industry.

Dr.Sobhan Babu suggested to revise the parameters to be considered for Evaluation and marks as follows:

PowerPoint Presentation	[5 Marks]
Demonstration of the application	[25 Marks]
Innovation	: 05 Marks
Implementation	: 15 Marks
Understanding	: 05 Marks
Project report	[10 Marks]
Viva Voce	[10 Marks]

Dr.V. Sudhakar suggested to prepare a micro level rubric for the assessment.

Dr.D.M. Vinod Kumar suggested to prepare rubrics separately for hardware projects and simulation projects.

Dr. B. Venkatesam suggested to motivate the students to make a 2 to 3 minutes video individually to enable them to understand the project thoroughly.

The Academic Council resolved to approve the above proposal made by the College with the above revision.

9. Review and approval of the CIE component for the Bridge Courses with effect from the academic year 2021-22.

The Principal informed the members that, it is proposed to introduce CIE component for the Bridge Courses conducted for lateral entry students. However by considering the COVID-19 Pandemic it is proposed to defer the proposal and hence the detailed modalities will be presented in the next meeting of Academic Council.

The Academic Council resolved to approve the above proposal and requested to present the required modalities in the next meeting of the Council.

10. Review and approval of the introduction of Theory-cum-Lab courses and its Scheme Instruction & Examination with effect from the academic year 2021-22.

The Principal informed the members that, it is proposed to introduce Theory-cum-Lab courses for the students to be admitted in the academic year 2021-22 during B.E VI Semester and M.E II-Semester and the detailed modalities will be presented in the next meeting of Academic Council.

Dr.B. Venkatesam suggested that 10 to 20 % courses of the curriculum may have project component.

Dr.D.M.Vinod Kumar suggested to see that the maximum credits allocated for theory cum lab courses do not exceed 4 credits.

The Academic Council resolved to approve the above proposal and requested to present the required modalities in the next meeting of the Council.

11. Review and approval of the revision of B.E. Promotion Rules for the academic year 2020-21 in view of the COVID-19 Pandemic.

The Principal informed the members that, in view of the continuation of COVID -19 pandemic situation and inability of the college to conduct Supplementary SEE for each semester in the academic year 2020-21, it is resolved to relax the BE & ME/M.Tech Promotion Rules for the Academic year 2020-21. Consequently, all the students of BE –II, IV & VI semesters of 2020-21 are promoted to BE- III, V & VII semesters respectively during the academic year 2020-21 irrespective of the no. of credits acquired by them. Accordingly, the results of Even Semester SEE conducted in July/August/ September, 2021 would be published as "Passed" (for those students who have passed all the courses up to current semester) and "Promoted" (those who are having any no. of backlogs in any of the previous semesters including the current semester for which they appeared for examinations).

Similarly, M.E./M.Tech students of the academic year 2020-21 having more than 03 backlog courses will be permitted to register for M.E./M.Tech – IV semester Dissertation work. However, such students should not have any backlog at the time of final Dissertation Viva-voce.

The Academic Council resolved to approve the above proposal made by the College for all B.E and M.E/M.Tech., Programmes for the academic year 2020-21 in view of COVID-19 pandemic.

12. Review and approval of the revision of SEE question paper pattern and examination duration for all semesters of B.E.& M.E/ M.Tech Programmes for the academic year 2020-21 in view of the COVID Pandemic:

The Principal informed the members that, considering the prevailing conditions caused by COVID-19 pandemic, it is proposed to adopt the approved revised SEE question paper pattern and examination duration of 2019-20 for conducting SEE for Even semesters of B.E. programme and B.E–I Semester & M.E/M.Tech. – I Semester for the academic year 2020-21.

The Academic Council resolved to approve the above proposal made by the College towards the conduct of SEE for the academic year 2020-21.

13. Review and approval of the following for all the B.E & M.E /M.Tech Programmes for the academic year 2021-22. (To be presented by all the BoS Chairpersons).

- a) Scheme of Instruction & Examination for I to VIII Semesters and Syllabi for I & II Semesters for the B.E students to be admitted in the academic year 2021-22 (R21 Regulations).
- b) Scheme of Instruction & Examination for III & IV Semesters and Syllabi for the B.E students admitted in the academic year 2020-21 (R20 Regulations).
- c) Scheme of Instruction & Examination for V & VI Semesters and Syllabi for the B.E students admitted in the academic year 2019-20 (R19 Regulations).
- d) Scheme of Instruction & Examination for VII & VIII Semesters and Syllabi for the B.E students admitted in the academic year 2018-19 (R18 Regulations).
- e) Scheme of Instruction & Examination for I to IV Semesters and Syllabi for I & II Semesters for the M.E/M.Tech students to be admitted in the academic year 2021-22 (R21 Regulations).

- f) Scheme of Instruction & Examination for III & IV Semesters and Syllabi for the M.E/M.Tech students admitted in the academic year 2020-21 (R20 Regulations).

The Schemes of Instruction & Examination for all B.E and M.E/ M.Tech. programmes were presented by the respective BoS Chairperson.

After review, the Academic Council approved the proposed Schemes & Regulations and Syllabi for all B.E & M.E/ M.Tech. programmes for the academic year 2021-22.

14. Review and approval of new academic initiatives in respect of Introduction of new courses, Alternate assessment evaluation methods etc. with effect from the academic year 2021-22:

The Principal informed the members that, the following new academic initiatives are proposed to be implemented from the academic year 2020-21 onwards.

i) Introducing "Course in Data Structures" for BE- CIVIL, EEE, ECE & MECH students to enhance their employability opportunities:

It is proposed to introduce a Theory and a Lab course in "Data Structures" to the students of Civil, Mechanical, EEE & ECE to enhance the employment opportunities. The following is the sequencing of Programming Courses proposed.

Sl. No.	Branch	Year of Admission of the students	Name of the course	Semester
1	Civil & Mech.	2021-22	• Programming for Problem Solving (Theory)	III Sem.
			• Programming for Problem Solving (lab)	III Sem.
			• Data Structures (Theory)	IV Sem.
			• Data Structures (Lab)	IV Sem.
2	ECE & EEE	2021-22	• Programming for Problem Solving (Theory)	I Sem.
			• Programming for Problem Solving (lab)	I Sem.
			• Object Oriented Programming (Theory)	II Sem.
			• Object Oriented Programming (Lab)	II Sem.
			• Data Structures (Theory)	IV Sem.
			• Data Structures (Lab)	IV Sem.
3	Civil, Mech, ECE & EEE	2020-21	• Data Structures (Theory)	IV Sem.
			• Data Structures (Lab) (Through Open Elective and Technical Skills)	IV Sem.
4	Civil, Mech, ECE & EEE	2019-20	• Data Structures (Theory)	V Sem.
			• Data Structures (Lab) (Through Open Elective and Technical Skills)	V Sem.

ii) Introduction of course in "Biomedical Engineering" under Open Electives:

It is proposed to introduce a course in "Biomedical Engineering and its applications" with 03 Credits weightage as an Open Elective for either B.E-V or VI Semester students.

iii) Introduction of Design Thinking course for all students:

It is proposed to introduce "Design Thinking Course" as an Open Elective from the academic year i.e., 2022-23. Meanwhile, HoDs are requested to find out the course contents and train some of the faculty to teach the course.

iv) Introduction of AAT (Alternative Assessment Tests) i.e., other than quizzes and assignments:

It is proposed to introduce AAT (Alternative Assessment Tests) Viz., Case Studies, Group Presentations on Applicative Aspects/ Emerging Technologies related to the course/ Term paper, Micro-Projects in selected courses with effect from the academic year 2021-22.

v) To introduce Open Book Test:

It is proposed to conduct one internal test in "Open Book Test" mode for the selected courses in a time bound and proctored manner.

vi) To introduce Theory-cum-lab courses:

It is proposed to introduce Theory-cum-lab courses for B.E & M.E/M.Tech students to be admitted from the academic year 2021-22 in certain identified courses on a pilot basis.

vii) Increase the experiential learning aspects in some of the labs as lab based projects:

It is proposed to enhance the experiential learning aspects in identified labs through Lab based projects/ Design Contest / Conduct of Hackathons / Developing any proto types / preparing the students for Ideation Competitions.

viii) Flexibility to the faculty member to enhance the percentage of Blooms Taxonomy levels - 3 & 4 while setting the internal and Semester End question paper:

It is proposed to revise the Blooms Taxonomy levels in the question papers as per the following:

Sl.No.	Blooms Taxonomy level	Range of percentages
1	BTL - 1	20% (compulsory)
2	BTL - 2	Minimum of 30% and upto 40% maximum
3	BTL - 3 & 4	The total percentage of the BTLs from 01 to 04 should be equal to 100% i.e., from Level -2 if faculty selects minimum 30%, obviously 50% questions should be selected from BTL- 3 & 4.

ix) To consider credit transfer for online NPTEL course equivalent to courses listed in the scheme of instruction:

It is proposed to permit the B.E students (only in VII & VIII Semesters) and M.E/M.Tech Students (only in II & III Semesters) to complete one NPTEL course with minimum of 12 weeks duration in lieu of any one (1) Professional Elective with 03 credit weightage with the following guidelines.

- Departments should prepare and display the stream-wise Professional Elective courses and the corresponding eligible NPTEL courses of 12 weeks duration to the students well in advance i.e., at the end of VI Semester for B.E students and at the end of I Semester for M.E/M.Tech students.
- Students should be permitted to complete one (1) online NPTEL course in lieu of any one Professional Elective course, if that course is not offered by the department but listed in the approved stream of Professional Electives for the particular academic year.
- Students should take the approval from the HoD before registering in the NPTEL portal.
- Students should be well informed to register for approved NPTEL course and report

the completion of the course to get necessary credit transfer at his / her own risk.

Dr. Sobhan Babu suggested to conduct the open book test from only prescribed text/reference book or from the student own note book.

Academic Council approved the new academic initiatives proposed by the College

Agenda to note:

15. The Even-semester examination results for B.E and M.E/ M.Tech Programmes for the academic year 2019-20:

The Controller of Examinations, VCE, has presented the examination results of various Programmes for the academic year 2019-20 to the members, which are as follows:

B.E. – II Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	61	48	78.68
2	CSE-B	60	54	90
3	CSE-C	61	56	91.8
4	ECE-A	58	50	86.2
5	ECE-B	60	52	86.66
6	ECE-C	59	47	79.66
7	EEE	60	45	75
8	Mechanical-A	55	34	61.81
9	Mechanical-B	59	44	74.57
10	Civil	59	40	67.79
11	IT-A	60	47	78.33
12	IT-B	58	44	75.86
13	IT-C	59	51	86.44
Total			612	79.58

B.E. – IV Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	65	63	96.92
2	CSE-B	65	64	98.46
3	ECE-A	66	60	90.9
4	ECE-B	66	60	90.9
5	EEE	67	60	89.55
6	Mechanical-A	68	40	58.82
7	Mechanical-B	59	39	66.1
8	Civil	67	56	83.58
9	IT-A	67	60	89.55
10	IT-B	62	57	91.93
Total		652	559	85.73

B.E. –VI Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	73	70	95.89
2	CSE-B	71	69	97.18
3	ECE-A	73	56	76.71
4	ECE-B	72	67	93.05
5	EEE	68	54	79.41
6	Mechanical-A	68	46	67.64
7	Mechanical-B	64	33	51.56
8	Civil	76	65	85.52
9	IT-A	69	62	89.85
10	IT-B	70	63	90
Total		704	585	83.09

The Academic Council noted the results of B.E. & M.E./M.Tech. programmes for the academic year 2019-20.

16. The Odd semester examination results for B.E and M.E/M.Tech Programmes for the academic year 2020-21:

The Controller of Examinations, VCE, has presented the examination results of various Programmes for the academic year 2020-21 to the members, which are as follows:

B.E. – I Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	61	57	93.44
2	CSE-B	61	50	81.96
3	ECE-A	61	52	85.24
4	ECE-B	59	52	88.13
5	ECE-C	60	49	81.66
6	EEE	59	41	69.49
7	Mechanical-A	47	26	55.31
8	Mechanical-B	47	33	70.21
9	Civil	55	33	60
10	IT-A	60	45	75
11	IT-B	61	53	86.88
12	IT-C	60	48	80
13	CSE-AIML-C	59	56	94.91
Total		750	595	79.33

B.E. – III Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	68	58	85.29
2	CSE-B	68	56	82.35
3	CSE-C	67	62	92.53
4	ECE-A	63	55	87.3
5	ECE-B	66	57	86.36
6	ECE-C	65	53	81.53
7	EEE	66	50	75.75
8	Mechanical-A	64	32	50
9	Mechanical-B	67	46	68.65
10	Civil	66	41	62.12
11	IT-A	67	54	80.59
12	IT-B	66	57	86.36
13	IT-C	65	51	78.46
Total		858	672	78.32

B.E. – V Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	65	61	93.84
2	CSE-B	65	62	95.38
3	ECE-A	66	63	95.45
4	ECE-B	66	58	87.87
5	EEE	68	59	86.76
6	Mechanical-A	68	41	60.29
7	Mechanical-B	60	33	55
8	Civil	67	55	82.08
9	IT-A	68	56	82.35
10	IT-B	62	55	88.7
Total		655	543	82.90

B.E. – VII Semester Result Analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	CSE-A	73	66	90.41
2	CSE-B	71	69	97.18
3	ECE-A	73	64	87.67
4	ECE-B	72	69	95.83
5	EEE	69	61	88.4
6	Mechanical-A	69	50	72.46
7	Mechanical-B	65	53	81.53
8	Civil	76	71	93.42
9	IT-A	69	61	88.4
10	IT-B	70	64	91.42
Total		707	628	88.82

M.E/M.Tech I-Semester result analysis

S. No.	Branch	Total appeared	Total Passed	Pass Percentage
1	ECE (CE&SP)	8	2	25.00
2	ECE (ES&VLSID)	16	9	56.25
3	EEE (PS&PE)	17	13	76.47
4	Mechanical (AD&M)	8	5	62.50
5	CSE(M.TECH)	8	4	50.00
Total :		57	33	57.89

The Academic Council noted the results of B.E. & M.E./M.Tech. programmes for the academic year 2020-21.

17. The award of NAAC Accreditation to the College:

The Principal informed the members that, the NAAC Peer Team had visited the College on 29th & 30th January, 2021, inspected various Departments/Sections/Facilities and also various processes & procedures being followed by the College in respect of Curricular aspects, Teaching-Learning, Examination Reforms, Research & Consultancy etc., as a part of its Assessment & Accreditation Process. Accordingly, the College has been accredited by NAAC with a CGPA of 3.51 with A++ Grade on a Seven-point Scale for a period of five years.

Academic Council congratulated the Management, Principal, faculty, staff and students for achieving the NAAC A++ grade.

18. The extension of UGC Autonomous status to the College:

The Principal informed the members that, based on College NAAC 'A++' grade, the Standing Committee constituted by University Grants Commission in its meeting held on 12.04.2021 has extended the autonomous status of the College for a period of ten(10) years from the session 2020-21 to 2030-31, without an onsite visit.

Academic Council appreciated the Management, Principal, faculty, staff and students for their efforts made towards attaining the Autonomous status for a period of ten (10) years from the session 2020-21 to 2030-31.

19. The status of Campus Placements for the academic year 2020-21:*UG (B.E.) Campus placements details (2020-21) – As on 12.08.2021*

The Principal presented the details of campus placements for the academic year 2020-21:

S No	Branch	Strength	No. of eligible students	Gross Selection	Net Selection	% of Selection
1	CSE	144	137	294	132	96.35
2	ECE	145	135	251	117	86.67
3	EEE	68	55	56	37	67.27
4	IT	139	120	240	115	95.83
5	Mech.	132	81	87	55	67.90
6	Civil	76	60	28	22	36.67
	Total	704	588	956	478	

➤	No. of students with 1 offer	:	208
➤	No. of students with 2 offer	:	138
➤	No. of students with 3 offers	:	82
➤	No. of students with 4 offers	:	33
➤	No. of students with 5 offers	:	10
➤	No. of students with 6 offers	:	06
➤	No. of students with 8 offers	:	01
	Net Selections	:	478

Academic Council has noted the status of Campus Placements for the academic year 2020-21.

20. The achievements of the college during the academic year 2020-21.

The Principal presented the notable achievements of the college which are as follows:

- ❖ Faculty of Civil Engineering has published 13 technical papers in the National and International Conferences
- ❖ Department of Civil Engineering organized 23 Guest lecture sessions from various industrial and subject experts.
- ❖ Department of Civil Engineering generated an internal revenue of Rs. 57,820.00/-through Consultancy work in the academic year 2020-21.
- ❖ Faculty of Civil Engineering has completed Sixteen online certificate courses during the academic year 2020-21 semester.
- ❖ 10 students of Civil Engineering were qualified in GATE-2021.

- ❖ Dr. C. Mohan Lal , Associate Professor, Department of Civil Engineering has conducted Online Short-Term Training Programme (STTP) on "Advances in Finite Element Methods for Industry and Research Applications" from 03.08.2020 to 08.08.2020.
- ❖ Dr. C. Mohan Lal , Associate Professor, Department of Civil Engineering has conducted AICTE Online Short-Term Training Programme (STTP) on "Advances in Finite Element Methods for Industry and Research Applications" from 07.09.2020 to 12.09.2020.
- ❖ Dr. C. Mohan Lal , Associate Professor, Department of Civil Engineering has conducted AICTE Online Short-Term Training Programme (STTP) on "Advances in Finite Element Methods for Industry and Research Applications" from 23.11.2020 to 28.11.2020.
- ❖ Two day workshop on "Redefining the World of Mobility with Pioneering Transportation Solutions (RWMPTS 2021) was organized by the Department of Civil Engineering from 21.05.2020 & 22.05.2020.
- ❖ Department of Computer Science and Engineering was organized 4th International Conference on Smart Computing and Informatics (SCI-2020) on 9th and 10th October 2020 in association with Springer Nature. The Proceedings of this conference were published in Smart Innovation, Systems and Technologies series, with book titled Smart Computing Techniques and Applications in June 2021.
- ❖ Department of Computer Science and Engineering was received funding of Rs.11,00,000/- for Establishing Industrial IoT Lab under MODROBS Scheme by AICTE in 2019-20.
- ❖ Department of Computer Science and Engineering has organized following Faculty Development Programs
 - a) National Level One Week FDP on Multi Technology in association with Brain O Vision and National Youth Council of India - 28-Jun-2021 to 03-Jul-2021.
 - b) FDP ON BLOCKCHAIN AND IoT in association with NIT Warangal- 12-Jul-2021 to 22-Jul-2021.
 - c) FACULTY DEVELOPMENT PROGRAMME (FDP) ON CYBER SECURITY IN PRACTICAL ASPECTS – 01.09.2020 to 05.09.2020.
- ❖ Eight NPTEL Courses were completed by 11 faculty.
- ❖ 46 papers were published in the Department of Computer Science and Engineering out of which, 14 research papers were published in Scopus indexed journals, 1 in SCI and 19 research papers were published in International Conference in 2020-21.
- ❖ Dr.TAdilakshmi was the Editor for Smart Computing Techniques and Applications, Proceedings of 4th International Conference on Smart Computing and Informatics, Volume-1,2 published in June 2021.
- ❖ Mr. M Sashi Kumar, Assistant Professor and Mr. S Vinay Kumar, Assistant Professor are the resource persons for ATAL – FDP on RPA organized at national level by NIT Gorakhpur in May 2020-21.
- ❖ Dr. Nagaratna P Hegde, Ms. M. Sunitha Reddy, Mr. R. Sateesh Kumar were awarded NPTEL Discipline star award in December 2021.
- ❖ Mr. S Vinay Kumar, Assistant Professor is recognized as Google Cloud Ready Facilitator in March 2021.

- ❖ Mr. M Sashi Kumar is recognized as Faculty Ambassador under AWS Educate programme in April 2021.
- ❖ Mr. S Vinay Kumar and Mr. M Sashi Kumar are AWS Academy Accredited Educators and have cleared AWS Cloud Practitioner certification exam in March 2021.
- ❖ Mr. M Sashi Kumar is a Certified UiPath RPA Associate in December 2020.
- ❖ Dr. K.Srinivas, Associate Professor, is the Co-Principal Investigator for the project titled "File carving Techniques for Image Files with Missing Fragments". The JNTUH University (through Collaborative Research Scheme of TEQIP-III) has sanctioned Rs. 2,94,500/- for this research project on 30-07-2020. Vasavi College of Engineering, Hyderabad is the Collaborating Research Institute for this project.
- ❖ Mr. M Jithender Reddy was awarded as an "Active Instructor in CISCO Networking Academy Program " by CISCO.
- ❖ Mr. M Jithender Reddy, achieved instructor level credentials for DevNet Associate Course of CISCO.
- ❖ Mr. M Jithender Reddy, awarded Active participation and dedicated service in Cisco Networking Academy for ten years by CISCO.
- ❖ Faculty of ECE Department has published 29 Journal Papers and 10 Conference papers.
- ❖ Dr. K. Deepti, Assistant Professor along with outside faculty, have published a patent on Navigation Technique for Industrial Cleaning robots with multi height and width adaptability.
- ❖ Dr. D.M.K. Chaitanya, Associate Professor, along with outside faculty, have published a patent on Patch Antenna, Method of Manufacturing And Using Such An Antenna, And Antenna System.
- ❖ Mrs. S. Aruna Deepthi, Assistant Professor, Dr. E. Sreenivasa Rao, Professor & HoD have published a patent on Secure Transmission of Surveillance Camera Images using MQTT Based Raspberry Pi WSN using Block Chain.
- ❖ Prof. Ch. Hima Bindu, Professor, have published a patent on Sound Canon Gun.
- ❖ Mrs. Ch. Neetu, Assistant Professor, along with outside faculty, have published a patent on Air Quality Monitoring Device Using Internet Of Things (IOT).
- ❖ Mr. M. Ramanjaneyulu, Assistant Professor, received NPTEL Gold Medal in Dec. 2020, course title "Applied Optimization for Wireless, Machine Learning, Big Data".
- ❖ Dr. Ch. Hima Bindu, Professor, Best Women Researcher in Science and Technology Award – For CHSN-2020 (International Conference on Computer Vision, High Performance Computing, Smart Devices and Networks) from 28th to 29th Dec-2020.
- ❖ Students of ECE secured following GATE scores
 - Mr. Dinesh Reddy got 353 All India GATE rank.
 - Mr. N. Sai Mounish got All India GATE Rank 760.

- ❖ Following faculty of ECE Department registered for part time Ph.D at NIT – Warangal.
 - Mrs. Ch. Neetu, Assistant Professor.
 - Mrs. K.R. Deepthi, Assistant Professor.
 - Mrs. V. Aruna, Assistant Professor
 - Mr. M. Ramanjaneyulu, Assistant Professor.
- ❖ ECE department conducted 4th National Conference on Communications & Signal Processing-2020 from 13th to 14th Nov, 2020.
- ❖ ECE department conducted 3 Day FDP on "Recent Trends in IC Design" Using Mentor Graphics EDA Tools Organized by Department of ECE in association with CoreEL Technologies Pvt. Ltd., Hyderabad from 29th & 30th Jun, 1st Jul, 2020.
- ❖ ECE department organized One week Workshop on 2X2 RF MIMO Communication System Platform in association with Research and Development Dept. Techfluent Solutions Pvt. Ltd. Hyderabad. From 16th to 21st Nov, 2020 (3days Online & 3days Offline).
- ❖ ECE department conducted 2 Day workshop on "Vector Network Analyzer and Spectrum Analyzer" Organized by Department of ECE in association with Keysight Technologies Pvt. Ltd., Hyderabad on 09th & 10th December, 2020.
- ❖ ECE department conducted Outreach program Skill Development Workshop for Government ITI Students Mallepally, Hyderabad organized by Department of ECE, Vasavi College of Engineering (Autonomous), Hyderabad – 31. From 1.3.2021 to 6.3.2021. 15 Students participated.
- ❖ The College has entered into an MoU with National Instruments Systems India Private Limited, Bangalore on 23rd Oct 2020.
- ❖ Students of EEE have secured the following All India GATE ranks.

➤	Nava Dixit	:	327
➤	Vinay Paggala	:	460
➤	Allani Saketh	:	456
➤	Sujan	:	549
- ❖ Mr. C.Srinivasaratnam has been awarded with Ph.D degree from NIT Warangal in the area of "Optimal Scheduling of Micro Sources and Load Frequency Control in Multi-Microgrid System using Meta- heuristic Techniques".
- ❖ Dr.Ch.V.S.S.Sailaja, Associate Professor, EEE received a grant of Rs.1.00 lakh under AICTE-ATAL scheme for organizing Faculty Development Program on "Artificial Intelligent Techniques Applied to Power Systems".

- ❖ Two faculty of the department have applied for Central Revenue Grant Scheme (under DST) & the two proposals cleared first round of Scrutiny.
 - Dr. Kasi Ramakrishna Reddy – Soft switched DC-DC Converter Configurations for LED Lighting Applications.
 - Dr. C. Srinivasratnam -Design of Investigations on Robust Controllers for frequency stabilization in a renewable rich micro grid system with plug in Electric Vehicle.
 - Department has signed two MoUs with
 - M/s. Solar Bull
 - ❖ Outcome 1: Training on Energy Audit has been done to all the faculty and fourth year students.
 - ❖ Outcome 2: Energy Audit has been done to the following Industries in collaboration with M/S. Solar Bull.
 - M/s. Sri Gayatri Energy Services
 - ❖ Outcome : Consultancy work is in progress with Sri Gayatri Energy Services in the area of Arc Flash Analysis of Power Systems.
- ❖ Mr. Ponnala Ravi secured Gold medal in Electrical Machines –I NPTEL exam conducted in December 2020.
- ❖ Mr. P.Rajasekhar Reddy got admission for PhD in NIT Surathkal.
- ❖ Faculty of EEE have published 6 papers in peer reviewed Journals. 5 in Scopus and 1 in Web of Science.
- ❖ A New Deep Learning Lab has been established by Department of Information Technology as part of AICTE MODROBs with a budget of Rs. 34.62 Lakhs out of which Rs. 19.31 Lakhs was sanctioned by AICTE and the balance of Rs. 16.32 lakhs was funded by college under Research Seed Money.
- ❖ Dr. K. Ram Mohan Rao, Prof. & HoD-I.T. got an amount of Rs. 50,000/- (Rupees fifty thousand only) from AICTE under the scheme Grant for Organizing Conference (GOC) for conduct of online mode i.e. E-Conference for organizing 3rd International Conference on Computational Intelligence and Data Engineering (ICCIDE 2020) during 8-9 August, 2020.
- ❖ Dr. T. HitendraSarma, Assoc. Prof. got Science & Engineering Research Board (SERB) project Titled Project titled "Dimensionality Reduction and Pixel Classification in Hyperspectral Images". Vide order No. FILE NO.TAR/2018/000703 dated 26 February, 2019 for 2018-2021 under Teachers Associateship for Research Excellence (TARE). Total Allocation is Rs. 18,30,000.00 has been approved.
- ❖ The Department of Information Technology has following Consultancy Projects:

S No	Description	Name of the Company	Amount (Rs)
1	Implementation of SAIX RISK PLATFORM–UI & Full Stack	M/s. Zillion Technologies India Private Limited	2,27,150.00
2	Implementation of SAIX RISK PLATFORM–CDP Data Stack	M/s. Zillion Technologies India Private Limited	2,27,150.00

- ❖ The Department of Information Technology was organized AICTE Sponsored 3rd International Conference on Computational Intelligence and Data Engineering (ICCIDE 2020-online mode) in association with Springer from 08-09 Aug, 2020.
- ❖ The Department of Information Technology was organized One week Outreach Programme on IT Essentials: PC Hardware, Software and Networking organized by Dept. of IT, VCE from 8th - 13th March, 2021.
- ❖ The Department of Information Technology was organized Online Faculty Development Programme (FDP) on Deep Learning and AI Applications from 21st – 30th June, 2021. Organized by E&ICT Academy, National Institute of Technology, Warangal, in association with Department of IT, Vasavi College of Engineering (Autonomous), Hyderabad.
- ❖ Dr. K. Ram Mohan Rao, Prof. & HoD got an amount of Rs. 50,000/- (Rupees fifty thousand only) from AICTE under the scheme Grant for Organizing Conference (GOC) for conduct of online mode i.e. E-Conference for organizing 3rd International Conference on Computational Intelligence and Data Engineering (ICCIDE 2020) during 8-9 August, 2020.
- ❖ Dr. K. Shyam Sunder Reddy, Associate Professor has recognized as Ph.D. Supervisor in the field of 'Artificial Intelligence, Machine Learning, Data Mining and Deep Learning', Faculty of Informatics, Osmania University.
- ❖ The faculty of Information Technology have published 24 Journal Publications and 8 conference papers.
- ❖ Dr. K Shyam Sunder Reddy, Associate Professor, published one patent on Effective Density-based Clustering Methods for Streaming Data, May 2020.
- ❖ Dr. B. Kezia Rani, Associate Professor, published on patent on 'An IOT Based LPG Cylinder Warehouse Monitoring System Along with Bookkeeping Refilling of Cylinders', -Dec 2020.
- ❖ Department of Mechanical Engineering received an amount of Rs. 20,97,471/- from AICTE for research project entitled "Investigations on Non-Linear, Fatigue and Fracture Behaviour of Elastomers and Composite Materials" under Research Promotion Scheme (RPS) during the financial year 2020-21.
- ❖ Department of Mechanical Engineering has organized three National Level FDPs, National Level Webinar and Technical Talk in the Academic Year 2020-21 through online mode.
 - FDP on Innovations in Product Design, Precision Engineering and Optimization during 10-14 Aug. 2020.
 - FDP on Recent Trends in Turbomachines during 14-18 Sept. 2020.
 - FDP on Research Avenues in Thermal Engineering during 25-30 July 2021.
 - Webinar on Industry 4.0 on 2nd Sept. 2020 by Dr. N. Arunachalam, IIT Madras, Chennai.
- ❖ 18 faculty members of Mechanical Engineering Department have completed MOOC certification courses.

- ❖ Faculty members of Mechanical Engineering Department have published 22 papers in International Journals and 01 paper in International Conference.
- ❖ Department of Mechanical Engineering has entered into an MoU with Adroitech Solutions Private Limited, Hyderabad.
- ❖ Department of Mechanical Engineering executed consultancy works with
 - 1) M/s. Vijaya Engineering Works, Balanagar, Hyderabad
 - 2) M/s. Light Speed AI, Hyderabad.

Academic Council noted the achievements of the College during the Academic Year 2020-21

21. Any other item with the permission of the Chair.



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



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

To

The members of Academic Council

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