VASAVI COLLEGE OF ENGINEERING
(Autonomous)
IBRAHIMBAGH, HYDERABAD-31

Approved by A.I.C.T.E., New Delhi and
Affiliated to Osmania University, Hyderabad-07

Sponsored by
VASAVI ACADEMY OF EDUCATION
Hyderabad

STUDENT HAND BOOK
2020-21

Academic Regulations (VCE-2020-21)for B.E under CHOICE BASED CREDIT SYSTEM (CBCS)for the students admitted w.e.f academic year 2020-21 onwards

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Website: www.vce.ac.in

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ABOUT THE COLLEGE

VISION

Striving for a symbiosis of technological excellence and human values

Established in 1981 by Vasavi Academy of Education under the stewardship of Late Sri Pendekanti Venkata Subbaiah, a veteran statesman of independent India and by a few eminent people from different walks of life Vasavi College of Engineering represents a rich tradition of excellence in technology based education in a stimulating environment. From a modest beginning, with just three undergraduate programs, viz., B.E. programs in Civil, Mechanical and Electronics & Communication Engineering, with dedicated efforts for over 37 years, it has now grown into a mighty center of learning with excellent and well-developed infrastructural facilities, offering 6 undergraduate programs, viz., B.E. in Civil, Mechanical, Electrical & Electronics, Electronics & Communication Engineering, Computer Science & Engineering, and Information Technology.In addition to this 2-Year Postgraduate Programmes in CSE, ECE, EEE and Mechanical Engineering are also being offered.

MISSION

To arm young brains with competitive technology and nurture holistic development ofindividuals for a better tomorrow

All the six undergraduate (B.E) programs were accredited by National Board of Accreditation (NBA) for three years from 2017 onwards. Two PG programs in Engineering namely M.E (ECE-Embedded Systems & VLSI Design and M.E (Advanced Design & Manufacturing- Mechanical) and MCA were also accredited by NBA for two years from 2017 onwards. The college has been recognized under 12(B) and 2(F) sections of the University Grants Commission (UGC) Act.

The college has been granted **autonomy by the University Grants Commission**, New Delhi and Osmania University, Hyderabad for all the programs for a period of six years with effect from 2014-15.

Now, the college is implementing**Choice Based Credit System (CBCS) w.e.f 2016-17 Academic Year for both UG and PG programmes offered by it.**

The College has 160 highly qualified and experienced faculty consisting of Professors, Associate Professors and Assistant Professors and around 152 technical and supporting staff. The college has very good infrastructural facilities which go beyond the curriculum requirements. The college offers value-added courses in GIS, CAD/CAM, DSP, VLSI, Networking, J2EE and communication skills to bridge the gap between the curriculum and the requirements of the industry.Skill Development courseshave been made part of the curriculum from the second year onwards to improve the skills of the students.

A Research & Development (R&D) Cell is established by personnel from industry / research organization to encourage the faculty and the students in acquiring additional qualifications and knowledge.

This Cell also facilitates the faculty for interaction with industry/research organizations in getting sponsored research projects. In addition, the

> ## QUALITY POLICY
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> *Education without quality is like a flower without fragrance. It is our earnest resolve to strive towards high standards of teaching, training and developing human resources.*

college extends Consultancy Services in various fields of engineering and technology.

The Center for Counseling and Placement at Vasavi College of Engineering provides personal and career-related support to its students. The educational experience at the college is enlivened and

enriched by an array of extra-curricular activities to fulfill the cultural and emotional needs of students.

A good number of ranks in university examinations are secured by our students every year. The all-round development of a student is achieved by exposing him/her to the outside world in a systematic and well planned manner through interships and industry related projects. In keeping with our vision statement human values and professional ethics are infused in the curriculum. This blend of values and technology makes Vasavi a preferred place for learning.

VASAVI ACADEMY OF EDUCATION (VAE)

GOVERNING BODY MEMBERS

1	Sri G.V. Gunnayya Chetty	:	Patron
2	Sri V.V. Sayi	:	Patron
3	Sri P. Ramamohan Rao	:	President
4	Prof. T.V. Subba Rao	:	Vice-President
5	Sri M. Krishna Murthy	:	Secretary
6	Sri P.V. Ratnam	:	Joint-Secretary
7	Sri V.M. Parthasarathi	:	Treasurer
8	Sri K. Ashok Kumar	:	Member
9	Sri P. Balaji	:	Member
10	Smt. P. Indrani	:	Member
11	Sri P. Gouri Prasad	:	Member
12	Prof. T. Revathy	:	Member
13	Prof. (Dr.) V. Srinivasulu	:	Member
14	Sri LagisettySubbagurumurthi	:	Member

INSTITUTIONS SPONSORED BY
VASAVI ACADEMY OF EDUCATION

INSTITUTION	ESTABLISHED
Vasavi College of Engineering	1981
Vasavi Public School	1983
Vasavi Polytechnic	1984
Pendekanti Law College	1990
Pendekanti Institute of Management	1991
Vasavi College of Music & Dance	1996

VASAVI COLLEGE OF ENGINEERING
MANAGING COMMITTEE

1	Sri G.V. Gunnayya Chetty	Patron
2	Sri V.V. Sayi	Patron
3	Sri P.Ramamohan Rao	President
4	Prof. T.V. Subba Rao	Vice President
5	Sri M. Krishna Murthy	Secretary
6	Sri V.M. Parthasarathi	Treasurer
7	Sri K. Vasudeva Gupta	Member
8	Dr. S. V. Ramana	Principal & Ex-Officio Member

Principal   : Prof. S.V. Ramana
Telephone No   : +91-40-23146002
Fax   : +91-40-23146090
Website   : www.vce.ac.in
E-mail   : principal@staff.vce.ac.in

VASAVI COLLEGE OF ENGINEERING (Autonomous)
BOARD OF GOVERNORS

1	Prof. D.N. Reddy, Director C R Rao Advanced Institute of Mathematics Statistics and Computer Science, University of Hyderabad Campus, Hyderabad ans Former Vice-Chancellor, JNTU-Hyderabad	:	Chairman
2	Prof. Anup Singh Beniwal, Dean Guru Gobind Singh Indraprastha University, Delhi UGC nominee	:	Member
3	Prof. M.Kumar, Principal Osmania University College of Engineering Univeristy Nominee	:	Member
4	CTE Nominee O/O Commissioner Technical Education, Telangana	:	Member
5	Dr. N. Venkata Reddy, Professor Department of Mechanical & Aerospace Engineering, IIT-Hyderabad	:	Member
6	Sri G. Yoganand, Managing Director M/s Manjeera Constructions, Hyderabad	:	Member
7	Sri P. Ramamohan Rao, President Vasavi Academy of Education(Management Nominee)	:	Member
8	Prof. T.V. Subba Rao, Vice President, Vasavi Academy of Education (Management Nominee)	:	Member
9	Sri M. Krishna Murthy, Secretary Vasavi Academy of Education (Management Nominee)	:	Member
10	Sri V.M. Parthasarathi, DirectorFinance Vasavi Academy of Education (Management Nominee)	:	Member
11	Sri P. Balaji, Member Vasavi Academy of Education (Management Nominee)	:	Member
12	Dr. A.S. Saiprasad, Director (A & E), Professor HoD-Physics, Vasavi College of Engineering	:	Member
13	Dr. S. V. Ramana, Principal Vasavi College of Engineering	:	Member- Secretary

STUDENT PERSONAL DATA

Name   :
Hall Ticket No.   :
Class   :
Branch:
Address   :

                                          PHOTO

Phone Nos.   :
Home   :
Mobile   :
E-mail ID   :
Bank A/c. No.   :
Credit Card No.   :
Passport No.   :
Driving License   :
Vehicle No   :

Medical Information
Height   :
Weight   :
Blood Group   :

In case of Emergency, Contact
Name   :
Phone No.   :

Name   :
Phone No.   :

COLLEGE PROFILE

Vasavi College of Engineering, established in 1981, a self-financed institution, affiliated to Osmania University, Hyderabad and approved by AICTE, New Delhi,offers the following courses:

Branch	Starting Year	Intake (2020-21)
4-Year Undergraduate Programmes		
Civil Engineering	1981	60
Electronics & Communication Engineering	1981	180
Mechanical Engineering	1981	120
Computer Science & Engineering	1994	120
Computer Science and Engineering (Artificial Intelligence and Machine Learning)	2020	60
Electrical & Electronics Engineering	1999	60
Information Technology	2000	180
2-Year PG Programmes (Full-time 4 semesters)		
Embedded Systems & VLSI Design (ECE)	2003	18
Communication Engineering & Signal Processing (ECE)	2011	18
Advanced Design & Manufacturing (Mechanical)	2003	18
Computer Science & Engineering (CSE)	2011	18
Power Systems and Power Electronics (EEE)	2012	24

All the six U.G programmes are accredited by National Board of Accreditation (NBA) for two years upto 30.06.2020. The Departments Computer Science & Engineering (**CSE**), Electronics & Communication Engineering (**ECE**) and Mechanical Engineering (**ME**) have been recognized by the Osmania University, Hyderabad as **Research Centers.**

Some of the faculty members from various Departments, have been recognized as research supervisors by the Osmania University and JNTU-Hyderabad.

INFRASTRUCTURE

Vasavi, in its constant pursuit of offering quality education, has created excellent infrastructural facilities for all the programmes and established certain advanced laboratories such as, CISCO Networking Lab, VLSI Design Centre, Embedded Systems, DSP, CAD/CAM and GIS dealing with contemporary technologies. Common facilities for the academic support, like the Basic Science Laboratories, Central Computing Laboratory, Manufacturing Practice Laboratory and English Language and Communication Skills Laboratory were established for the first year courses. The Phonetics Laboratory, Interactive Communication Laboratory and reading room were set up, much before it was made mandatory by the university, to improve the communication skills of students. Recently, the English Language Laboratory has been upgraded to Multi-Media Laboratory. There are a total of 1359 computer systems in the college with latest configuration. The College main computer center houses 66 latest computer systems and 14 servers. All the systems in the college campus are networked through LAN. Well established intranet, supports the faculty and the administration for online data retrieval of student details, marks, attendance, faculty publications etc.

FACULTY

The college has 160 highly qualified and experienced faculty members including,06 Adjunct Professors, 20 Professor, 27 Associate Professors.

With a view to strengthen the teaching-learning process and provide quality education the college conducts staff development programs regularly.

The classrooms are well ventilated, spacious and luminous located in architecturally styled buildings amidst lush green lawns which provide a pleasant ambience.

Supporting facilities such as buses for comfortable and safe transport, campus wide EPBAXtelephone systems, 24X7 internet connectivity, Generators (500 kVA, 120 kVA) for uninterrupted power supply, bank and subsidized canteen, are provided to the students and staff. The college has installed roof top solar power plant of 200 kWp capacity.

COMPUTER CENTER

The college has established a high-speed campus-wide network that connects all the computer systems located in the college campus. A fully distributed computing environment based on clusters of workstations and PC's facilitates the staff and students to have ready access to computing resources, services, software and applications. The environment is tailored to the specific teaching/learning needs of each Department. Full access is provided to, the Internet, e-mail, on-line journals, e-content, QEEE facilities, departmental intranet and other online sources of services and information through BSNL leased line Internet connectivity of 100 mbps, Pioneer Elabs Ltd leased line Internet Connectivity of 100Mbps and 1Gbps broadband internet connection from ACT Fibernet.

The server room houses Windows Server, LINUX Server, Oracle Database Server which are connected to the LAN, thereby providing diverse computing platforms to the students, across the campus. The Internet Gateway comprises a Web Server, Symantec Protection Suite Enterprise 12.1, Fortigate 510B UTM, Fortianalyzer 200C, CISCO Router 2800, CISCO Switch and the other networking components required for an efficient LAN.

FACILITIES

Particulars	Availability
No. of Servers	14
No. of Computers	66
No. of Learning Resources	NPTEL Courses (192 Web + 212 Video Courses)

SOFTWARE

SNo	Name of the Software	Make
1	MATLAB Image Processing Tool Box, Computer vision tool box Image acquition tool box, Neural Network tool box Optimization tool box, Fuzz logic tool box Parallel computing tool box	Mathworks
2	Aneka, NET cloud computing software Enterprize edition 3.0	MANJRA Soft
3	Oracle 11G Standard Edition	Oracle
4	Services IBM Rational Seed Suit Enterprise Software	IBM
5	Adobe Acrobat 10.0 Professional	Adobe
6	Symantec Protection Suite Enterprise Edition 12.1	Symantec
7	Informatica Power center 8 standards edition on windows	Informatica
8	MS Office 2007/2013	Microsoft
9	VxWorks 5.5 OEM Development License, includes one Board Support Package and BSP Developers kit for X86 Or PPCXX Host PC Turnado 2.2.1 Standard IDE Package includes Core Tools.Code. Documentation – 5 Users Node Locked. Licenses	Mistral
10	Oracle 9i Developer, Internet Suite	Oracle
11	Embarcadero Network Code Gear C, C++ builder RAD XE STUDI ARCHT Academic	C, C++ builder
12	Developer 2000	Oracle
13	Red Hat Enterprise Linux 7.2	Red Hat
14	Grammarly EDU (Anti-Plagarism Checker software)	
15	IBM SPSS Modeler 17.0	IBM
16	Primavera P6 EPPM 16.1	

DR. SARVEPALLI RADHAKRISHNAN
LEARNING RESOURCE CENTRE: CENTRAL LIBRARY

Dr. Sarvepalli Radhakrishnan Learning Resources Centre, the central library has a total built up area of 44,503.36 Sq. ft. It houses **12971** titles and **112358** volumes. The college subscribes online journals, thatare made accessible to students. These journals are published by Professional Bodies like Institute of Electrical & Electronics Engineers (IEEE), American Society for Mechanical Engineers (ASME) and American Society for Civil Engineers (ASCE). The College is a member of Delhi Library Network (DELNET). A digital library is provided to the students in 415 sq.ft space.

E - JOURNALS & E-BOOKS SUBSCRIBED	
National Journals & Magazines (Print)	84
International Journals (print)	16
ASCE	38
ASME	32
IEEE-IEL e-Journals	255
IEEE-Conference & Proceedings e-Journals	7397
DELNET e-Journals	400
DELNET MEMBERSHIP e-Books	608
ELSEIVIER e-Journals	275
J-Gate e-Journals	17985
N-LyISTe-Books	97000

The college provides a book-lending scheme to the students with a full set of textbooks for a nominal annual payment in addition to the provision of issuing **4** library cards per student. The Library is fully computerized and availability of any book in the library can be browsed by a click of mouse.

NPTEL Courses: To reinforce the technical knowledge of the students, college has purchased courseware from National Program on Technology Enabled Learning (NPTEL) developed by IITs and IISc and given free access through Intranet to all the students and faculty. The

College has been recognized as center for conduct of SWAYAM-NPTEL Online Courses.

CO-CURRICULAR & EXTRA – CURRICULAR ACTIVITIES

Vasavi campus has a basket of co-curricular and extra curricularactivities. Students' brains are sharpened by conducting various workshops, seminars, quizzes, debates, essay-writing, presentation of technical papers, working model exhibitions etc.

Every year college hosts National Technical Symposium entitled **ACUMEN.** Students from all over the country are invited to the campus to present the best technical papers. The college annual day, **EUPHORIA** is celebrated which showcases the cultural talents of students. To enhance the creative skills, the department of H&SS conducts competitions and activities through **Toastmasters, MuN, Arts, Vasavi Talkies, Dramatics Club and the like. The** College publishes, '**In-touch'**, the Alumni Newsletter, and **Technocrats**, the Annual College Magazine. **Reminiscences** provides data about the B.E 4/4 students.

The Physical Education Department encourages and provides practice to the students to participate in sports & games at Inter Collegiate, Intra-University and National Level Tournaments. The college has facilities for indoor and outdoor games & sports.

NATIONAL SERVICE SCHEME (NSS)

The College has an NSS unit and the student volunteers take up socially useful activities. The unit has organized blood donation camps, service camps to orphanages, tree plantation camps, flood relief camps etc.

CAREER GUIDANCE, TRAINING AND PLACEMENT CELL

Human Resources (HR) Department provides career guidance and counselling for the budding engineers. It prepares students to meet industry requirements in the technical and soft skills domain thus enriching and enabling them to meet the corporate demands.

The department arranges personality development programmesas well as career guidance sessions to help the students explore the various career options in the fields of All India Civil Services, All India Engineering Services, Scientific, Research and Industrial Organizations, Defence Services in addition to arranging counselling sessions on higher education avenues in India and abroad.

THE ENTREPRENEURSHIP CELL (SWAYAM)

Swayam–The Entrepreneurship Cell of the college is established to develop and nourish the latent entrepreneurial spirit inherent in students, and help them to become Entrepreneurs. The vision of the cell is to develop entrepreneurs by creating an ecosystem that encourages and supports the entrepreneurial potential of students. The mission of the cell is to inculcate the spirit of entrepreneurship and to provide the students with the necessary support by mentoring and equipping them with the right skills and attitude to convert an idea into a business venture.

Swayam bagged the championship award given by NEN for the year 2017-18 for conducting different entrepreneurship activities .

INNOVATION AND ENTREPRENEURSHIP DEVELOPMENT CENTRE (IEDC)

The Government of India recognized that young technocrats are looking for opportunities to exploit their full potential by setting up their own ventures thus becoming "job generators". As part of this strategy **National Science & Technology Entrepreneurship Development Board (NSTEDB),** Department of Science & Technology, Government of India, had set up Entrepreneurship Development Cells (EDCs) in educational institutions. The main objective of creating such cells is to *"Develop institutional mechanism to create entrepreneurial culture in academic institutions to foster growth, innovation and entrepreneurship among the faculty and students".*

SAFETY NORMS & CHECKS

The safety measures and checks are followed in buildings, laboratories and in other critical installations as per the standard norms. The entire campus is equipped with a modern firefighting system. In addition, all the buildings are fitted with fire extinguishers.

EMERGENCY MEDICAL CARE AND FIRST-AID

The college provides first-aid and medical help at the centralized place with trained staff. The health center is equipped with four beds and general medicines. To meet emergency medical attention, college has appointed a doctor and a nurse. A special ambulance has been provided to meet critical medical needs.

TEACHING-LEARNING PROCESS

The members of faculty maintain course files, lesson plan and lesson record to conduct the classes and laboratory courses as per the curriculum requirement. The quality of assignments tests and semester examinations is maintained to meet the program education objectives. The tutorial classes/remedial classes are conducted as per the schedule in the timetable.

PROCTORIAL SYSTEM

To monitor academic progress and holistic development of students ,the **proctor system** (mentoring system) has been introduced in the college.

In this system, each student is assigned a faculty member who acts as a *loco parentis.* Every faculty member is assigned twenty students whom they guide and mentor. The Proctor monitors the progress and welfare throughout the four years of his/her stay in college. Class Coordinators also are allotted for each section who monitor classwork schedule, attendance and discipline issues of every student regularly.

The college has introduced **Professional Practice School** for second year B.E. students so as to acquaint them with the industry needs.

The college has been building purposive partnership with the industry to provide practical learning experience and to expose the students with the emerging trends and contemporary technologies; the College has signed **Memorandum of Understandings (MOUs)** with various corporate houses and industries.

To further improve the skills of the students to face the campus placement interviews, new courses like soft skills and technical skills have been introduced in the curriculum from the second year onwards in the form of *Skill Developemnt*.

ALUMNI

The college has been interacting with the Alumni regularly with a view to providing career guidance and facilitate connectivity with industry through students' visits, projects, placements, consultancy etc. Alumni Meet 'REFLECTIONS' is organized every year. The alumni website is *www.vcealumni.org*.

VASAVI COLLEGE OF ENGINEERNG (AUTONOMOUS)
ACADEMIC RULES AND REGULATIONS
FOR FOUR YEAR B.E DEGREE PROGRAMME
Under Choice Based Credit System (CBCS) w.e.f A.Y.2020-21)

Academic Regulations VCE-2020-21

On the recommendations of Academic Council and Board of Governors of Vasavi College of Engineering (Autonomous), the following academic regulations will be in force and applicable to all the students admitted into B.E. program of the college with effect from Academic Year 2019-20 onwards. The B.E program is being offered under Choice based Credit System (CBCS). These regulations are called as *Academic Regulations VCE-2020-21.*

The above rules and regulations, specified herein after shall be read as whole for the purpose of interpretation. In case of arising a doubt, the interpretation of the Academic Council, the Statutory Body constituted as per UGC norms of the college is final. The Academic council has the power to make amendments to these regulations whenever necessary and shall be approved by Board of Governors (BoG).

1. DEFINITIONS OF KEY WORDS:

Academic Year	:	Two consecutive (one odd + one even) semesters constitute one academic year.
Choice Based Credit System (CBCS)	:	The CBCS provides choice for students to select from the prescribed courses (core, elective or open or soft skill courses).
Programme	:	An educational programme leading to award of a Degree, diploma or certificate
Semester	:	Each semester will consist of 16-17 weeks of academic work equivalent to 90 actual teaching days. The odd semester may be scheduled from July to November and even semester from January to May.
Discipline	:	Is the branch or specialization of B.E. Degree programme, such as Civil, CSE, ECE, EEE, IT and Mechanical engineering etc.,

Course	:	Usually referred to, as 'papers' is a component of a programme. All courses need not carry the same weightage. The learning objectives and learning outcomes are defined for each course. A course is designed to comprise lectures/ tutorials/ laboratory work/ field work/ outreach activities/ project work/ vocational training/viva/ seminars/ term papers/ assignments/ presentations / self-study etc. or a combination of some of these.
Course Flexibility	:	Course work of students is made flexible to enable fast, average and slow learners to plan and pace out their study during the Semester as necessary. They can register for more/average/less credits within limits (e.g., +/- 20%) from the prescribed value, based on their learning capacities as observed from CIE, SEE results of thecoursework of the previous Semesters.
Credit Based Semester System (CBSS):	:	Under the CBCS, the requirement for awarding a degree or diploma or certificate is prescribed in terms of number of credits to be completed by the students.
Credit:	:	A unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work/field work per week.
Credit Point:	:	It is the product of grade point and number of credits for a course.
Grading	:	To be normally done using Letter Grades as qualitative measure ofachievement in each Course like: A+ (Outstanding), A (Excellent), B+ (Very Good), B (Good), C (Average), D(Pass), F(Fail) based on the marks (%) scored in (CIE+SEE) of thecourse and conversion tograde done byrelative/absolute grading.
Grade Point (GP)	:	It is a numerical weight allotted to each letter grade on a 10-point scale. A+ =10, A=9, B+=8, B=7, C=6, D=5 and F=0 and student passes a

course only when he/she gets GP$\geq$ 04.5

Semester Grade Point Average (SGPA)	: It is a measure of performance of work done in a semester. It is ratio of total credit points secured by a student in various theory and lab courses offered in each semester and the total course credits taken during that semester. It shall be expressed upto two decimal places.
Cumulative Grade Point Average (CGPA):	: It is a measure of overall cumulative performance, of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters of the program. It is expressed upto two decimal places.
Passing Standards	: Student to be declared successful at the semester-end or programme-end only when she/he gets SGPA or CGPA $\geq$4.5, with none of the courses registered in the given semester or for the award of degree remaining with **F** grade.
Credits Required for Award of Degree	: A student shall earn the prescribed number of credits recommended by the department concerned for the award of UG/PG Degree. Also, each student must pass in the mandatory courses to qualify for the degree and shall not have any pending disciplinary action.
Transcript or Grade Card or Certificate	: Based on the grades earned, a grade certificate shall be issued to all the registered students after every semester. The grade certificate will display the course details (code, title, credits, grade secured) along with SGPA of that semester and CGPA earned till that semester.
Course Load	Every student should register for a set of courses : in each semester, with the total number of credits specified by considering the permissible weekly contact hours.
Course Registration	Every student to formally register in each : Semester for courses (credits)on the advice of the faculty.

Course Evaluation	:	Continuous Internal Evaluation (CIE) in the Semester & Semester End Examination (SEE) constitute the main assessment prescribed foreach course. Only those students maintaining a minimum standard in CIE (to be fixed by the institution) will be permitted to appear in SEE of the course.
Continuous Internal Evaluation (CIE)	:	To be normally conducted by the course instructor which includes class tests, homework, problem solving exercises, group discussions, assignments, quizzes, mini-projects& seminars which will be conducted either weekly/fortnightly or during mid-term, anytime throughout the semester, with weightage for the different components being fixed at the institutional level.
Semester End Examination (SEE)	:	To be normally conducted at the institutional level which will cover the entire course syllabi. The syllabi are to be modularized and SEE questions to be set from each unit/module, with choice if any, to be confined to unit/module concerned only. The questions are to be based on knowledge, comprehension, application, analysis, synthesis and evaluation.
Revision of Regulations, Curriculum and Syllabi	:	The institution, from time to time may revise, amend or change the regulations, scheme of examinations, curriculum and syllabi with the approval of the academic council.
College address	:	"Vasavi College of Engineering", (Autonomous), Ibrahimbagh, Hyderabad-500031, Telangana State.
Student	:	Student is a candidate who has taken admission into undergraduate and postgraduate programs of this college, as per the guidelines stipulated from time to time by the Government of Telangana for admissions into various courses of study and the affiliating university, i.e. Osmania University, Hyderabad.

Head of the Institution	:	The Principal is the head of the College
Controller of Examinations	:	Is a constituted body of the college that is responsible for all the examination activities of the autonomous College.

2. ADMISSION PROCEDURE

Admissions are done as per the norms issued from time to time by the Government of Telangana State.

2.1 Undergraduate Admissions

The admissions into undergraduate engineering programs (B.E) for all the branches of study are made as per the norms of State Council of Higher Education (TSCHE), Telangana State Government.

2.1

a. 70% of seats under Category-A (based on the rank obtained in state level entrance examination-TSEAMCET) will be filled by the Convener, TSEAMCET.

b. 30% of seats under Category-B will be filled by the management as per the guidelines issued through Government orders from time to time by the TSSCHE and State Government.

2.2 Spot Admission Procedure for B.E. 4-year Program

Any seats left vacant in the convener quota will be filled based on the guidelines given by Convener, TSEAMCET.

Procedure: The College issues an advertisement after necessary approvals. The spot admissions are made as per the guidelines issued from time to time by convener TSEAMCET.

2.3 Admission to the second year of Four Year B.E (Lateral Entry) Program

Students seeking admission into this category shall qualify in TSECET conducted by the Government of Telangana. Admissions are on the basis of merit ranks obtained by the students.

2.4 **Spot Admission Procedure for B.E Lateral Entry**

Admission are made based on the guidelines issued by the Convener, TSECET.

Procedure: The college issues an advertisement after necessary approvals. The spot admissions will be made as per the guidelines issued from time to time by the Convener, TSECET.

3. PROGRAMMES OFFERED

At present the college offers six UG programmes namely Civil, CSE, ECE, EEE, IT and Mechanical Engineering. A student may be admitted to any one of the programmes of study as per the admission rules. All the programs are offered under semester mode.

4. STRUCTURE OF THE PROGRAMME

4.1 Categorization of Courses

The curriculum of B.E. Programme is designed to have syllabi consisting of theory, laboratory courses and projects that shall be categorized as follows:

Humanities and Social Sciences (H&SS) courses include English language and Communication skills Technical writing and professional presentations, Economics and finance for Engineers and Management and accountancy.

Basic Sciences (BS) courses include Mathematics, Physics, Chemistry, Biology etc.

Engineering Sciences (ES) courses include Materials, Workshop, Basics of Electrical/ Electronics/Mechanical/Computer Science Engineering, Engineering Graphics, Instrumentation, Engineering Mechanics, Instrumentation etc.

Professional Core Subjects (PC) arecorecourses relevant to the chosen specialization/branch

Professional Elective Subjects (PE) arecoursesrelevant to the chosen specialization/ branch offered as electives.

Open Elective subject (OE) courses from other technical and/or emerging subject areas offered in the College by the Departments of Engineering, Basic Sciences and Humanities.

Mandatory Course: Course work on peripheral subjects offered in a programme, wherein familiarity is considered mandatory. They are non-credit, mandatory courses, wherein a student needs to pass in each if he is to qualify for the award of degree from the concerned institution.

Project Work can be an internship with an industry or elsewhere or projects and seminars.

5. DURATION OF STUDY

5.1 The duration of the B.E program is four years. The eight semesters of four-year B.E program are consecutively numbered as I, II, III, IV, V, VI, VII and VIII.

No readmission/admission/promotions/transfers can be made after 4 weeks of the commencement of instruction of semester in I, II, III and IV years. In case there is any court case consequent to which the Convener of Admissions/Principal is compelled to admit a student after the announced last date of admission, then the admission (seat) of such a student will be reserved for the subsequent year on a supernumerary basis.

5.2 Internal (Continuous Internal Evaluation: CIE) examinations shall be conducted during the instruction period of the semester.

5.3 a) *As per the UGC Guidelines on determination of uniform span period (UGC Letter No. F-12-1/2015 (CPP-II) dated and 15.10.2015 and Osmania University letter No.336/M/Acad.I /2016 dated 21.03.2016) is N+2 students may be allowed to qualify for degree with effect from the Academic Year 2016-17. Where N is the normal or minimum duration prescribed for completion of the programme.*

Hence candidates of four-year degree program, who fail to fulfill all the requirements for the award of the degree as specified herein within (N+2= 4+2=6) six academic years from the time of admission, will forfeit their seat and their admission will stand cancelled.

Diploma candidates admitted to the second year under lateral entry scheme shall fulfill all the requirements for the award of the degree as specified hereinafter within (N+2=3+2=5) five academic years from the time of admission failing which they will forfeit their seat and their admission will stand cancelled.

Lateral entry students shall also complete the bridge course subjects as required. The scheme and other guidelines will be intimated to the students.

6. REGISTRATION OF COURSES

6.1   Every admitted student shall be assigned to a Faculty advisor who shall advise and counsel the student about the details of the academic programme, rules and regulations and the choice of courses considering the students' academic background and career objectives.

6.2   Each student on admission shall register for all the courses prescribed in a semester of study including open electives.

6.3   Every student shall enrol for the courses of the succeeding semester at the end of the current semester. However, the student shall confirm the enrolment by registering for the courses before the three working days of the commencement of the concerned semester. Online registration of courses including open electives, extracurricular and co-curricular courses will be provided and students should visit the college website for details.

6.4   *The registration of the courses (such as professional electives, professional core, open electives etc) by the students in each semester as prescribed by the department concerned shall be completed within the stipulated period and on or before the due date prescribed. Change of professional electives and open electives will not be entertained after the due date.*

6.5   No course shall be offered by a Department unless a minimum of 30 students register for that core course and 20 students for elective course. After registering for a course, a student shall attend the classes, to satisfy the academic requirements for attending the semester end examinations.

6.6   The enrolment for all the courses of the even Semester will commence 7 working days prior to the last working day of odd Semester. The student shall confirm the enrolment by registering for the courses before the three working days of the commencement of the even semester. However, the student can register for courses for which the student has not enrolled, if these are the courses in which the student has failed. No change of course under any circumstances will be entertained once registration of courses is completed

7   AWARD OF DEGREE

7.1   The degree of Bachelor of Engineering will be conferred on a candidate who has pursued the "Regular Course of Study" for four academic years (three academic years for candidates admitted in II-Year under lateral entry scheme), as hereinafter prescribed in the scheme of instruction and has acquired all the credits prescribed in the scheme of examination by the department concerned.

7.2   **ATTENDANCE REQUIREMENTS**:

(a) A regular course of study for eligibility to appear Semester End Examinations (SEE) of any semester shall mean putting in attendance of **not less than 75%** aggregate in lectures, practical, drawing, workshops, field work, project, seminars, extension etc., in the courses listed in the scheme of instruction. The cumulative monthly attendance in each course and the aggregate attendance will be displayed on the notice board.

(b) In special cases and for sufficient causes shown, the Principal/Academic Council on the recommendation of the concerned HOD, may condone the deficiency of attendance **not exceeding 10%** for ill-health when application made for such a condonation is supported by a valid medical certificate issued by an authorized Medical Officer and approved by the Principal of the college. Medical certificate along with the fitness to be submitted within 3 working days on returning to the class work.

(c) *A student can use medical condonation facility only 4 (four) times in the entire period of 8 semesters in the span of 4 years B.E program.*

(d) In any semester of the course if a candidate fails to secure the minimum percentage of attendance, he/she shall not be eligible to appear for the SEE of that semester and he/she shall have to enroll himself/herself to undergo afresh a "Regular Course of Study" of the corresponding semester in subsequent academic year by paying required tuition fee, to become eligible to appear for semester end examinations.

7.3 Attendance for N.C.C. Camps or Inter Collegiate or Inter University or Inter State or International matches or debates or Educational excursion or such other Inter University activities as approved by the authorities, involving journeys outside the city in which the college is situated will not be counted as absence. However, such absence should not exceed (4) weeks of the period of instruction, in a semester. Students participating in the above events shall take prior permission from the authorities. Absence not exceeding two weeks, for activities like N.S.S., Inter-University Competitions and debates will be condoned if the candidate is sponsored by the University for such activities. Proof should be provided.

7.4 The attendance shall be calculated from the date of admission into the course.

7.5 The candidates of I semester who were detained can seek readmission without appearing for the Entrance Test during subsequent year, and such admissions shall be treated as supernumerary.

7.6 If a candidate who has pursued a Regular Course of Study of any semester wishes to undergo the same course again, he/she may be permitted to enroll again as a regular student for the course of the semester, wheneverit is offered, depending on the availability of seats. Such candidates shall forego the attendance secured for that semester previously. Further the candidate had not pursued a "Regular Course of Study" in any higher semester. For the award of division, however, he/she shall have the benefit of the higher of the aggregate SGPA secured in that semester.

7.7   The college working hours will be announced along with the time table and displayed on the department notice boards. To strengthen and augment the academic activities, college will work on extended hours with prior intimation to the students. All the parents are requested to cooperate in this regard.

8. SCHEME OF INSTRUCTION, EXAMINATION AND ASSESSMENT

8.1   Instruction in the various courses in each semester shall be provided by the college as per the scheme of instruction & examination and syllabus prescribed for the branch of study approved by the Academic Council and ratified by the BoG.

8.2   The students who have taken readmission (joined under the university regulations) due to transfer into the college shall be allowed to pursue their program of study under Autonomous/CBCS regulations of the college. They shall clear all the backlog subjects, if any, in the equivalent subjects as identified by the Board of Studies concerned under the Autonomous/CBCS system for the award of degree. All such students shall register the courses of study as mentioned earlier.

8.3   The distribution of marks based on the continuous internal assessment (CIE) assessment and Semester Examination (SEE) for *B.E* program shall be as follows:

Course		Marks	
		CIE	**SEE**
i)	Each theory course	40	60
ii)	Each practical or drawing course	30	50

8.4   There will be continuous and comprehensive evaluation (CIE) of students. The distribution of CIEs and semester examination marks for *B.E program* are given below:

CIE Exams (internals/ Sessional) Theory: 40 Marks

- **30** Marks each for two internal examinations in a semester and **10** marks for assignments (**5**marks) and quizzes (**5** Marks).
- Three quizzes and three assignments will be conducted in a semester each for **5** marks for every course.

- The internal exam question paper contains part-A, Part-B and Part-C. Internal Exam Duration: 90 minutes. The question Paper consists of
Part-A: Contains 6 Questions of 1 mark each (6 Marks)

Part-B: Contains 3 (or 4) Questions of 4 (or 3) marks each (12 Marks)
Part-C: Contains 2 (or 3) Questions of 6 (or 4) marks each (12 Marks)

- There is no choice in the question paper. All questions are to be answered.
- Blooms Taxonomy will be followed in the question Paper Setting.

8.5   **Average of two tests** will be considered for calculating internal exams marks to which average assignment/quiz marks will be added for obtaining total CIE marks.

Lab: 30 Marks

- **18** marks for day-to-day laboratory class work which will be awarded based on the average of assessment for each experiment considering at the end of the course.

- **12** marks for the internal examination.

SEMESTER END EXAMINATIONS (SEE)
- Semester theory examinations will be conducted for 60 marks. A student should secure a minimum of **'D'** grade in each course for a pass.

- Semester laboratory examinations will be conducted for 50 marks. A student should secure a minimum of `**C**` grade for a pass.

- In addition, a student shall secure a minimum **'D' grade** in a theory course and `**C**` grade in lab from CIEs and semester examinations put together for a pass in a subject.

The semester end examination question paper consists of Part-A and Part- B. Part -A is compulsory and should cover the entire syllabus, and carries 20 marks. A minimum number of 10 questions of Two (2) marks each will be given in Part-A. Part B will comprises of seven (7) questions and it carries 40 marks. A student shall answer any five questions. There shall be one question drawn from each unit of the syllabus and the remaining two questions may be drawn from the total syllabus of all 5 units. However, there should not be more than 2 questions from any unit. Blooms Taxonomy will be followed in the question Paper Setting.

8.6   The details of instruction, examination and vacations shall be notified by the Principal.

8.7   The semester end examinations prescribed may be conducted by means of written papers, practicals and oral tests, inspection of certified CIE work in drawing and laboratories and workshop or by means of any combination of these methods as may be deemed necessary.

8.8   All the general rules for examinations shall be adhered to.

8.9   A student who secures **'F'** grade in **_semester exam and sessional put together_** will be declared failed in that semester.

8.10   **B.E (Regular)**
        The curriculum for any Branch of study of B.E program is designed to have total credits **_162_** for the award of regular B.E. A student is declared eligible to receive the B.E degree on attaining above credits and other courses/activities prescribed by the department concerned and the college.

9   OPEN ELECTIVE COURSES:

As part of CBCS, open electives are being offered by various departments from III to VI semesters of B.E. program. A total of 11 credits are designated for open electives to be offered under CBCS.

9.1   The Engineering ,Physics, Chemistry, Mathematics and H&SS Departments have been offering two credit open elective course during III-Semester and 3–Credit Open Elective Courses during IV,V and VI-Semesters for all B.E Programs from the academic year 2018-19 onwards.

- Allocation of CIE & SEE marks for open elective are given below:

Year of admission	Duration of SEE	Marks	
2020-21		SEE	CIE
2/3 Credit Course:	3 Hrs.	60	40

10. PARTICIPATION OF STUDENTS IN CO-CURRICULAR AND EXTRA-CURRICULAR ACTIVITIES:

The students of B.E. should complete the prescribed credit and mandatory courses offered under HS, BS, ES, PC, PE, OE, MC, and project work by the department concerned. To become eligible for the award of degree, students should also participate in co-curricular (CCA) and extra-curricular (ECA) activities as set by the individual departments by securing 75% of attendance separately in each activity.

10.1   To become eligible for the award of degree, students should also participate in the following activities:

III Semester : CCA-1 and ECA-1

IV- Semester : CCA-2 and Technical Skill/ Workshop/ RC/TC etc.

V- Semester : CCA-3 (PP) and ECA-2 and Technical Skill-1 (prerequisites to additional Technical Skills of VI semester and /or any other technical skills prescribed by the Departments Concerned.

VI- Semester : Additional Technical Skills

VI Semester   One Theme-based project with one credit weigthage

- One Online Certification Course being offered by NPTEL with a weightage of 2 Credits (which is of 8 weeks' duration and approved by the respective departments) during the period from III and VII- Semesters of B.E programme to become eligible for

award of degree.

10.20.2 The extra-curricular activities are organized under various clubs includes the following clubs, but may not be limited to:

S. NO	NAME OF THECLUBS
1	The Toastmasters Club-2
2	The Literary Club-MUN-1
3	The Writers club-2
4	The General Quiz Club-1
5	The Art Club-1
6	The Dramatics Club-1
7	The Math Quiz Club-1
8	The Chemistry Club-1
9	The Physics Club-1
10	The Photography Club-1
11	The Films Club-1

The above-mentioned activities come under audit courses with no credits attached. However, attendance to the activities is mandatory to encourage student participation and a student shall secure minimum of 75% attendance in these activities.

10.30.3

11. RULES OF PROMOTION FOR B.E	
Semester	**Conditions to be fulfilled**
I-SEM to II-SEM	Regular course of study of I-SEM and 40% aggregate CIE marks in I-SEM
II-SEM to III SEM	a. Regular course of study of II SEM and
	b. 40% aggregate CIE marks in II- SEM
	c. Must have secured at least 50% of total credits prescribed for I and II SEMs together
III-SEM to IV-SEM	a. Regular course of study of III-SEM and
	b. 40% aggregate CIE marks in III- SEM
IV-SEM to V- SEM	a. Regular course of study of IV SEM
	b. 40% aggregate CIE marks in IV- SEM

	c. Passed in all the courses of I and II SEMs
	d. Must have secured at least 50% of total credits prescribed for III and IV SEMs put together
V-SEM to VI-SEM	(a) Regular course of study V-SEM
	(b) 40% aggregate CIE marks in V-SEM
VI-SEM to VII-SEM	a. Regular course of study of VI-SEM
	b. 40% aggregate CIE marks in VI- SEM
	c. Passed in all the courses of III and IV SEMs.
	d. Must have secured at least 50% of total credits prescribed for V and VI SEMs put together
VII-SEM to VIII-SEM	(a) Regular course of study of VII-SEM (b) 40% aggregate CIE marks in VII-SEM
Eligibilty to appear VIII-SEM exams	Regular course of study of VIII-SEMand 40% aggregate CIE marks in VIII-SEM

12. CREDITS AND GRADES:

12.1   Credit system will be implemented in each semester. The credit hours for each theory course, laboratory sessions, Skill Development courses and project work are clearly mentioned in the scheme of instruction.

12.2   Absolute/Relative grading system is adopted in awarding the letter grades. The marks are converted to grades based on pre-determined class interval. As per the UGC recommendations a 10-point grading system with the following letter grades are used:

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(Laboratory)	F	Fail	0
	Ab	Absent	Ab

12.3 A Relative grading system will be implemented for computing semester grade point average (SGPA) and Cumulative grade point average (CGPA). The college will follow relative grading with flexibility given of ranges for grades.

12.4 For non-credit courses letter grade secured will not be considered while computation of SGPA/CGPA.
No SGPA/CGPA is declared, if a candidate is failed in any one of the courses of a given semester.

12.5 **GRADES: THEORY AND LABORATORY COURSES**
The final grades in a semester will be computed based on aggregate marks of CIE and SEE in a course put together. A student who earns a minimum of 5 grade points and above in a theory course and 6 grade points in a laboratory is declared to have successfully completed the course.

12.6 The Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) shall be computed considering the credits and grades secured by a student in CIE and semester examinations marks put together.

12.7 **COMPUTATION OF SGPA AND CGPA**

A. The **SGPA** is the ratio of sum of the product of the number of credits and the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student in a semester i.e.

$$\textbf{SGPA } (S_i) = \Sigma(C_i \times G_i) / \Sigma C_i$$

where C_i is the number of credits of the ith course and G_i is the grade point scored by the student in the ith course.

B. The **CGPA** is calculated in the same manner considering all the courses undergone by a student over all the semesters of a programme, i.e.

$$\textbf{CGPA} = \Sigma(C_i \times S_i) / \Sigma C_i$$

where S_i is the SGPA of the ith semester and C_i is the total number of credits in that semester.

C. The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.

12.8 **CONVERSION OF GRADES INTO PERCENTAGE**

Conversion formula for the conversion of GPA into indicative percentage is
[CGPA Earned-0.50]x10= % of marks scored.
Illustration: [CGPA Earned 7.5 - 0.50]x 10 = 70.0%

13. INDUSTRIAL TRAINING/INTERNSHIP

The students may undergo Industrial Training for a period as specified in the curriculum during summer / winter vacation. The number of credits shall be assigned as detailed below. The students may undergo internship at research organization / university/ industry for the period prescribed in the curriculum. In such cases, Industrial Training / Internship needs to be undergone continuously from one organization only. The student can undergo maximum of 3 months during the entire duration of study.

14. ADD AND DROP CREDITS

14.1 A student should earn the total number of credits specified in the curriculum of the respective program of study to be eligible to obtain the degree.

14.2   If the student wishes, then he/she may be permitted to earn more than the total number of credits prescribed in the curriculum of program. However, the total number of additional credits registered cannot exceed six (6). Also, the number of courses registered by a student in a semester cannot exceed 28 credits.

14.3   The student has the option to register for additional courses or dropping existing courses from third semester onwards.

15. AWARD OF DEGREE/DIVISION

To obtain degree, the student shall have passed in all the courses and secured the number of credits as prescribed in the course structure of program offered by department concerned and should obtain a CGPA of at least 4.5 and shall not have any disciplinary actions pending against him/her. The award of division secured in the degree on 10-point scale is given below:

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

16. GENERAL RULES OF EXAMINATION

16.1   All examinations shall be held at such places as may be decided and at such other centers on such dates as may be notified.

16.2   Application for permission to appear at every examination shall be made on the prescribed form accompanied by three passport size full face photographs (not profile) which along with the necessary certificates regarding attendance, practical work, etc., and the prescribed fee, should be sent to the Controller of Examinations on or before the date fixed for this purpose.

16.3   When a candidate's application is found in order and he/she is eligible to appear for the examination, the Controller of Examinations, shall furnish the candidate with a Hall -Ticket affixing the photographs on it to enable the candidate to appear for the examination. Candidates shall have to produce Hall-Ticket for admission into the premises where the examination is being held or to a part of the said premises as well as to the Examination Hall.

16.4   A candidate who fails to attend the examination for any reason whatsoever under any circumstances shall not be entitled to claim refund of the whole or any part of the examination fee nor adjust it for subsequent examinations.

16.5   A candidate after declared successful in the whole examination, shall be given a certificate indicating the year of examination, the courses in which he/she was examined and the division in which he/she was placed.

16.6   No candidate shall be allowed to appear at examinations for different degrees and different faculties simultaneously.

16.7   Students, who have appeared once at any examination of the course, need not put in fresh attendance, if they want to reappear at the corresponding examination, notwithstanding the fact that new courses may have been introduced by the college. They will however, should appear at the examinations according to the scheme of examination and syllabus in force.

17. ADVANCE SUPPLEMENTARY AND MAKE-UP EXAMINATIONS

17.1   To decrease the backlog load on the students who failed to clear one or more courses in the even semester and to give equal chances for appearing examinations in odd and even semesters, Advance Supplementary examinations for even semester (II, IV and VI) will be conducted immediately after declaring the results of even semester by giving proper time for preparation.

17.2   Since the supplementary examinations of even semesters which are being held during the months of November/December are being advanced to June/July months, supplementary examinations for the even semesters henceforth will not be conducted.

17.3   If the candidate is declared to have passed in the revaluation of the main examination, then the result of Advanced Supplementary examinations shall not be considered even if the student appeared for the said exam.

17.3   Make- Up examinations will be conducted for the students having backlog courses at VIII semesters of 4th year B.E immediately after release of regular examinations results of VIII semester.

18. IMPROVEMENT OF DIVISION

18.1   A candidate who wishes to improve his/her division may do so within one academic year immediately after having passed all the examinations of BE Degree Program by reappearing at not more than two semesters (All courses pertaining to the semester taken together) examinations. For the award of the division, he/she will have the benefit of the higher SGPA secured in the corresponding semesters.

18.2   In case of candidates who have secured CGPA less than 4.5 of total aggregate of all eight semesters needed for a pass division, the candidate can appear for improvement in individual courses to become eligible for a PASS Division within one academic year in any two semesters.

19. TRANSITORY REGULATIONS

Whenever, course or scheme of instruction is changed in a particular year, two more examinations immediately following thereafter, shall be conducted according to the old syllabi/regulations. Candidates not appearing at the examinations or failed shall take the examination subsequently according to the revised syllabi/regulations.

20. SCHEDULE ON THE NATURE OF MALPRACTICE AND AWARD OF PUNISHMENT

S.No	TYPE OF MALPRACTICE	PUNISHMENT TO BE AWARDED
1	Possession of the prohibited (written or printed) papers, books, notes during the examination period but which were not used.	Shall be debarred from appearing at the subsequent papers of the examinationapart from cancelling the result of the examination (**"Examination"** in this context refers to all the papers taken by the candidate on the same Hall Ticket) in which he/she had indulged in malpractice.
2	Matter relevant to the examination being written on any part of the body or on the clothes worn, or in the instruments, wrappings, etc.	
3	Attempting to take help from any prohibited papers, notes, written or printed matter, writings on the walls, furniture, mobile phones / electronic gadgets and attempting to take help from or giving help to other regarding answer to any question or questions of the examination paper.	
4	Taking help from mobile phones / electronic gadgets or consulting of prohibited written or printed material; consulting and / or taking help from or helping other examinee during the examination period inside the examination hall or outside it with or without their consent, or helping other candidate to receive help from anyone else.	

5	An examinee who attempts to disclose his/her identity to the paper valuer by writing his/her Hall Ticket Number at a place other than the place prescribed for it, or by writing his/her name or any coded message or an examinee who makes an appeal to the paper valuer in the answer book.	Cancelling the result of that paper.
6	Using abusive and obscene language in the answer book.	
7	Refusing to obey instructions of the Chief Superintendent/ Invigilator.	
8	Writing on the question paper or other papers the answer to questions, rough work etc., with no intention of passing it on to another examinee.	To be warned not to do so.
9	Examinee swallowing or destroying prohibited material found in his/her possession or acting in any other manner with a view to destroy evidence.	Cancellation of the result of all examinations taken or proposed to be taken during that session and prohibiting his/her admission into or continuation in any course of the Institution for a period of one year.
10	Smuggling an answer book / additional answer book / matter into or out of the examination hall.	Cancellation of the result of all examinations taken or proposed to be taken during that session and prohibiting his/her admission into or continuation in any course of the Institution for a period of one year.
11	Inserting in or removing from the answer book / additional answer book of any sheet.	
12	Substituting wholly or partly an answer book / additional answer book.	
13	Cases of examinees when conspiring to interchange their Hall Ticket Numbers.	

14	Creation of disturbance or otherwise misbehaving in and around the examination hall during or before the examination.	Cancelling the results of all examinations taken or proposed to be taken during that session and prohibiting admission into or continuation in any course of study for a period of two years.
15	Guilty of assaulting / abusing, intimidating any person connected with the examination work any time-before, during or after the examination.	Cancelling the results of all examinations taken or proposed to be taken during that session and the next session and prohibiting admission into or continuation in any course for a period of two years.
16	Impersonation even at a single examination.	a) The case of impersonation to be dealt with as per law in respect of the candidate who has impersonated (Imposter) and the candidate who is impersonated (original candidate).
		b) The candidate who has impersonated (Imposter) shall be expelled from examination hall. He/She(Imposter) is also debarred and forfeits the seat.
		c) The performance of the original candidate shall be cancelled in all the examinations (including Practicals / Project work) if any appeared by him/her and shall not be allowed to write remaining subjects of that semester. He/She shall also forfeit the result(s) of other semester(s) registered along with the examination in which the offence was committed.
		d) The original candidate be debarred from two consecutive semesters from class work and all examinations conducted by

		the Institution.
		e) Continuation of the course by the original candidate shall be subject to the academic regulations in connection with forfeiture of seat.
		f) In case if the original candidate would like to discontinue the course immediately after the punishment is awarded, he/she shall be permitted to discontinue only after the completion of punishment period.
17	Any other malpractice not defined above.	As advised by the committee constituted to look into the cases of malpractices.

NOTE: *"EXAMINATION"* in this context refers to all the papers taken by the candidate on the same Hall Ticket.

AWARDS AND REWARDS

GOLD MEDALS

Vasavi Academy of Education has instituted Gold Medals for the toppers of each branch based on their cumulative performance in the University Examinations from 1st year to final year. Gold Medals have also been instituted by the industry partners, alumni, parents and individuals.

The members of Vasavi Academy, Alumnus of VCE, and reputed software organizations have instituted sixteen gold medals, in various branches of study for the best outgoing students (toppers) based on their performance in the Osmania university examinations.

1. ***Sri.Pendekanti Venkata Subbaiah Memorial Gold Medal*** to the best student amongst all the branches of engineering put together.
2. ***Sri P. Dharma Reddy Gold Medal*** to the best student amongst of all branches.
3. ***Dr.K.V.Subba Rao Gold Medal*** to the best student amongst the outgoing students of all branches put together.
4. ***Smt.Kanakamma Venkata Subbaiah Gold medal*** to best girl student amongst all branches put together
5. ***Prof. G.Lakshmi Narayana Gold Medal*** to the student of Civil Engineering branch who secures highest marks in that branch.
6. **M*/s SatNav Technologies Ltd Gold Medal*** to the best student of GIS among the Civil Engineering students
7. ***Sri. G.Narayana Chetty, IAS (Retd) Gold Medal*** to the student who secures highest marks in Mechanical Engineering branch.
8. ***Sri. A. Ravi Kiran Memorial Gold Medal*** to the student who scores highest marks in Mechanical Engineering branch.
9. ***Prof. K.Venkataramaiah Memorial Gold Medal*** to the topper in Production Engineering***.***
10. ***Sri.K.R.Krishnaiah Chetty Memorial Gold Medal*** to the academically best student in ECE branch.
11. ***Sri.K.R.Gupta Gold Medal*** to the ***student*** who secures highest marks in CSE branch.

12. **Dr.T.B.G.Tilak Memorial Gold Medal** to the student who gets highest marks in EEE branch.

13. **Sri.SikakolluSubba Rao Memorial Gold Medal** to the student who scores highest marks in Information and Technology (IT) branch.

14. **Sri. K. Rosaiah Gold Medal** to the top scorer in MCA.

15. **Sri A. Venkata Ramana Memorial Gold Medal** to the best student who secures the highest marks in M.E (ES&VLSID) course.

16. **Smt. & Sri. EskalaPeddaRatnaiah Memorial Gold Medal** to the best student who gets the highest marks in M.E (AD&M).

17. **Dr. D. Changal Raju Memorial Gold Medal** to the best student with highest marks in B.E, ECE branch.

YOUNG LEADER AWARD

In memory of Mr. HarshavardhanPodipi Reddy, an ex-student of Mechanical (Production) Engineering, an 'Award for Young Leader' has been instituted by his parents,with a cash prize.This prestigiuos award, is presented to one deserving student fromevery branch of engineering, in their final year.

The students are given an opportunity to apply for the award based on theirachievement in 5 major areas viz.,-marks secured, attendance secured, participation in co-curricular and extracurricular activities, leadership initiatives. After evaluating the applications received and based on the outstanding contributions made by the applicants, the students are selected for the award.

MERIT AWARDS

To encourage meritorious students **Best Academic Performance Awards** are given to top 3 students from each section, for all the courses, based on their performance in the semester examination in the preceding year. Students securing first, second and third positions in their sections are awarded with cash prizes. The amount isto be given to the parent of the student in the form of a cheque.

BEST PROJECT AWARDS

Innovative, creative and research oriented projects are awarded suitably. These awards are given to the final year students. To encourage the students to carry out such projects in each branch, the management has decided to give the first and second best project prizes. The best project and second best project receive a cash prize.

BEST ATTENDANCE AWARDS

In order to encourage the regularity among the students, the best percentage attendance awards are given to those securing 100%, 99% and 98% attendance. They are given cash awards.

REWARDS

Cognizant Technology Solutions has instituted an award for the best outgoing student.

REIMBURSEMENT OF CONFERENCE REGISTRATION FEE

Students are encouraged to participate and present papers in National/ International Conferences/ Seminars. College reimburses the conference/seminar registration fee to the students who present meritorious papers in the conferences.

MERIT-CUM-MEANS SCHOLARSHIPS

The Management of Vasavi College of Engineering provides Merit-cum-Means Scholarships to the needy students.

FINANCIAL ASSISTANCE

Financial assistance to the economically poor students is available on the basis of merit-cum means. The circulars are issued from time to time inviting the applications in every academic year.

Guidelines for Financial Assistance

1. Students who are economically weak are considered for financial assistance.
2. The financial assistance is be provided to the eligible students with a condition that the assistance received shall be paid back after getting employment in equal installments over a period of two years. The amount received is credited to a separate fund (financial assistance fund) in thecollege which is utilized for assistance given to subsequent batches of students. This account is operated for any contribution received from the staff and any other philanthropists for this good cause.
3. The needy students are identified by the "Department Financial Assistance Committee" that comprises the respective HODS, one senior faculty and two students from each branch. The short listed eligible students get the financial assistance.
4.

TRANSPORT FACILITIES- GENERAL MODE

All the students are eligible for the General Bus Pass. The TSRTC buses 120S, 120N, 220J, 220V ply from Mehdipatnam 'X' roads to the college. For fresh bus passes, students should apply during 21stto 29thof every month and for renewal during 13th to 17th of every month at all APSRTC Bus Pass Centres and e-Seva Centres.

FIRST YEAR STUDENTS - HIRED BUS TRANSPORT

Private buses are under hire exclusively for I year B.E students of the college. More buses can be arranged in other routes, if the strength of the students in that particular route is 60. Presently the buses are operating to thecollege from various place of the Hyderabad-Secuderabadtwin cities. The buses start at their respective destinations at 8.00 am. in the morning and leaves the college in the evening at 4.40 pm. The details of the routes are given below:

ROUTE	VIA
ECIL 'X' Roads - VCE	Naredmet 'x' Roads, Malkajigiri, Mettiguda, Sangeet, Patny, Paradise, Tankbund, Secretariat, Lakadikapool, Mehdipatnam.
Vanasthalipuram Red Tank - VCE	Panama, L.B. Nagar, Kothapet, Dilsukhnagar, Malakpet, Koti, Abids, Nampally, Public Gardens, Lakadikapool, Mehdipatnam.
Uppal Depot - VCE	Uppal 'x' Roads, Habsiguda, Tarnaka, Adikmet, Vidyanagar, Shankermutt, NallakuntaNarayanaguda, Himayathnagar, Liberty, Lakadikapool, Mehdipatnam, Nanalnagar
K.P.H.B. (JNTU) - VCE	Kukatpally, Moosapet 'x' Roads, Erragadda, S.R.Nagar, Punjagutta, NIMS, Erramanjil Colony, Banjara Hills, Masab Tank, NMDC, Mehdipatnam, Nanalnagar
Bheramguda (Lingampally) - VCE	Chandanagar, Gangaram, Madinaguda, Alwyn 'x' Roads, Miyapur, Nizampet x Roads, JNTU, Malaysian Town ship, Hitech City, Mindspace, Gachibowli, Outer Ring Road, Narsing
Chilkalguda (Sec'bad Station) - VCE	Musheerabad, RTC 'x' Roads, VST, Bagh Lingampally, Tourist Hotel, Kachiguda, YMCA, Old MLA Quarters, Basheerabagh, Lakadikapool, Mehdipatnam

ALWAL (Indira Gandhi Statue) – VCE	Lothukunta, Tirumalgiri, Kharkhana, JBS, Patny, Begumpet, Punjagutta, Nagarjuna Circle, Banjara Hills, Masab Tank, NMDC, Mehdipatnam, Piilar No.68, Langarhouse
Sagar Ring Road – VCE:	Karmanghat, Chempapet, Santoshnagar, Owaisi Hospital, Midhani 'x' Roads, Chandrayana Gutta, Aramghar 'x' Roads, Rajendranagar, Attapur, VCE

TRANSPORT FACILITY FOR SENIOR STUDENTS

Nine T.S.R.T.C exclusive buses are arranged for the senior students in the following routes

ROUTES	
1	**Secunderabad (8.30 AM) to VCE** Via. Bata, Tankbund, Secretariat, Lakdikapul, Mehdipatnam.
2	**Secunderabad (8.30 AM) to VCE** Via. Paradise, Begumpet, Punjagutta, Banjara Hills, Mehdipatnam.
3	**RTC 'x' Roads (VST Bus Stop) to VCE** Via. Sankarmutt, Nallalunta, Barkatpura, Narayanaguda, Himayathnagar, Lakdikapul, Mehdipatnam.
4	**RTC 'x' Roads (VST Bus Stop) to VCE** Via. Sankarmutt, Nallalunta, Barkatpura, Narayanaguda, Old MlAQtrs, Control Room, Lakdikapul, Mehdipatnam.
5	**Taranaka to VCE** Via. Adikmet, Nallalunta, Narayanaguda, Himayath Nagar, Liberty , Secreteriat, Lakdikapul, Mehdipatnam.
6	**Dilsukhnagar to VCE** Via. Malakpet, Nalgonda 'x' Roads, Koti, Abids, Nampally, Lakdikapul, Mehdipatnam.
7	**Dilsukhnagar to VCE** Via. Malakpet, Nalgonda 'x' Roads, Koti, Abids, Nampally, Lakdikapul, Mehdipatnam.
8	**A.G.Colony (ESI Bus Stop) to VCE** Via. Ameerpet, Punjagutta, Lakdikapul, Mehdipatnam.
9	**A.G.Colony(ESI Bus Stop) to VCE** Via. Ameerpet, Punjagutta, Banjara Hills, Mehdipatnam.

STAFF BUSES (including Senior Students) 2020-21

Route	Name of the Route	Enroute Stages
I	**Nagole 'x' Roads - VCE**	Uppal 'x' Roads, Ramanthapur HPS, Amberpet 'x' Roads, 6 No., Shivam Road, Vidyanagar 'x' Roads. VST, RTC 'x' Roads, Ashok Nagar, Indira Park, Telugutalli Flyover, Lakdikapool, Mehdipatnam, VCE
II	**Uppal 'x' Roads - VCE**	Survey of India, Habsiguda, Tarnaka, Adikmet, Vidyanagar, Shankermutt, Fever Hospital, Narayanguda, Himayathnagar, Liberty, Secretariat, Lakdikapool, Mehdipatnam, VCE
III	**ECIL 'x' Roads - VCE**	Naredmet 'x' Roads, Vinayak Nagar, Anandbagh, Malkajigiri, Mettiguda, Chilkalguda 'x' Roads, Kawadiguda, Lower Tank Bund, Lakadikapool, Mehdipatnam
IV	**Bowenpally - VCE**	Pardise, Patny, Sangeet, Bata,Tankbund, Secretariat, Lakadikapool, Mehdipatnam, VCE.
V	**Chinthalakuntha Check Post – VCE**	L.B. Nagar, Kothapet 'x' Roads, Chaitanyapuri, Dilsukhnagar, Malakpet, Koti, Abids, Nampally, Public Gardens, Lakadikapool, Mehdipatnam, VCE
VI	**Vanasthalipuram Red Tank - VCE**	L.B. Nagar, Kothapet 'x' Roads, Chaitanyapuri, Dilsukhnagar, Malakpet, Koti, Abids, Nampally, Public Gardens, Lakadikapool, Mehdipatnam, VCE
VII	**B.N.Reddy Nagar - VCE**	Vanasthalipuram Red Tank, NGO'S Colony, B.N. Reddy Nagar, Hasthinapuram, Sagar Ring Road Karmanghat,Chempapet,Santhoshnagar, Owaisi Hospital, Midhani 'x' Roads, Chandrayangutta, Aramghar 'x' Roads, Rajendranagar, Attapur, VCE
VIII	**KPHB(JNTU) - VCE**	Vivekananadnagar Colony, Kukatpally, Moosapet 'x' Roads, Erragadda, ESI, S.R.Nagar, Ameerpet, Punjagutta, NIMS, Krishna Oberai, Banjara Hills, Pension Office, Masab Tank, NMDC,

		Mehdipatnam, VCE.
IX	**BEERAMGUDA - VCE**	Lingampally 'x' Roads, Chandanagar, Gangaram, Madinaguda, Alwyn 'x' Roads, Miyapur 'x' Roads, Hafeezpet, Kondapur, Kothaguda 'x' Roads, Gachibowli, Outer Ring Road, Narsing, VCE.
X	**HYDERGUDA - VCE**	Nizampet 'x' Roads, JNTU, Malasyan Town Ship, Hitech City, Mindspace, Gachibowli, Outer Ring Road, Narsing, VCE.
XI	**ALWAL (Indira Gandhi Statue) – VCE**	Lothukunta, Tirumalagiri, Kharkhana, JBS, Patny, Paradise, Begumpet, Punjagutta, NIMS, Erramanazil Colony, Taj Krishna, Pension Office, Masab Tank, NMDC, Mehdipatnam, VCE
XII	**Mehdipatnam – VCE**	Humayun Nagar P.S., Mehdipatnam, Retibowli, Pillar No.68, Olive Hospital, Langar House, VCE

RULES OF CONDUCT TO STUDENTS

1. The college premises and buildings shall be kept clean; writing and sticking posters and notices on the building walls is strictly prohibited.
2. Students are not permitted to resort to strikes and demonstrations within the college. Participation in any such activity shall automatically result in their dismissal from the college.
3. No student unions, except professional associations, are permitted in the college.
4. Any student responsible for bringing outsiders into the college campus for settling student disputes will be expelled from the college.
5. The students may go on Industrial Tours on their own expense. The college will not defray any expenses of the tour.
6. Smoking, consumption of alcoholic drinks, gambling of any kind is prohibited in the college premises. Any student found in the college premises in an intoxicated condition at any time will be summarily expelled from the college without any enquiry.
7. The students are expected to be regular in their class work and should conduct themselves in a disciplined manner. They should abide by

such rules of discipline and conduct as stipulated by the college from time to time.

8. Fees must be paid in one instalment within two weeks of 1st Semester in the College. Fine at Rs.20/- per day will be levied for delayed payment upto 2 weeks, after which name will be deleted from rolls. Later Readmission fee will be Rs.500/- in addition to fine dues. Fee once paid will not be returned under any circumstances. Non payment of fees will result in forfeiture of his/her seat in the college.

9. The principal of the college is the final authority as regards the discipline in the institution and has full powers to suspend, fine, rusticate and take any other action, which is deemed necessary.

10. The conduct of the students should be exemplary, not only within the premises of the college but also outside.

11. The students are informed that they should furnish the latest addresses of their parents/guardians in the Principal's Office. Any change of address of the parents/guardian should also be informed immediately, in the college office.

12. Ragging is prohibited. Any student participating in ragging is liable to be summarily expelled from the college without any enquiry. Ragging on campus and off campus is strictly prohibited and it is a cognizable offence. The college has constituted Anti-Ragging Committee, vigilance teams, anti-ragging squads involving the police officers, senior faculty, etc., as per the Act.

DEPARTMENT PROFILES

DEPARTMENT OF CIVIL ENGINEERING

The Civil Engineering Department was established in the year of college inception (1981). It offers B.E. civil engineering course with an annual intake of 60 students.

MISSION

To impart knowledge in the latest technologies to the students of civil engineering to fulfil the growing needs of the society."

FACULTY

Dr. B. Sridhar is Professor and Head of the Department. The department has 17qualified faculty members. The Civil Engineering Department is actively engaged in research and consultancy activities in the areas of cement and concrete technology and concrete structures. Research projects on Blended Cements, Concrete Composites like Fibers Reinforced Concrete with various types of fibers like steel, glass, polypropylene etc., GFRP, H.P.C., Light Weight Concrete, Non-Destructive Testing of Structures etc., are in progress and a few have been completed. To strengthen the knowledge beyond the curricula and to expose the students to the latest trends in the industry Professional Practice School is being implemented.

INFRASTRUCTURE

The Civil Engineering Department is spread in an area of 2,134 Sq. Mtrs. to cater to the needs of classrooms, laboratories and other common facilities. The department has 32 computer systems.

The various Civil Engineering Laboratories - the Concrete Lab, Soil Mechanics Lab, Transportation Engineering Lab, G.I.S Lab, Computer Lab, etc., are equipped with modern equipment. It has ideal facilities for research like concrete compression testing machine (Digital) of 300 KN capacity, permeability testing apparatus, non-destructive testing equipment, loading frame of 400 KN capacity, computerized triaxle testing equipment, standard penetration test apparatus, UV-spectra- photometer etc. The Computer center of the department has all the modern GIS, structural analysis and Design packages.

The Department has a good interaction with outside agencies and is carrying out consultancy activities for various public and private agencies on structural design, proof checking, quality testing of structures, cement

concrete roads, B.T roads, laboratory material testing of cement, concrete including mix design, highway materials, steel roads etc., Soil Testing of Field samples, Field Surveying GIS mapping, water analysis etc., are also being regularly carried out.

Many of our students have been placed in software, GIS and construction companies. Some of our students are pursuing higher education abroad and in India.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science & Engineering was started in the year 1994 offering, a 4-year B.E. course and the present annual intake is 120 students and a 2-Year M.Tech course in the year 2011 with an annual intake of 18 students.

MISSION
To enable students to develop logic and problem-solving approach that will help build their careers in the innovative field of computing and provide creative solutions for the benefit of society.

FACULTY

Dr. T. Adilakshmi, Professor and Head of the Department, has 30 years of teaching experience. The department has 24 well-qualified & experienced faculty members. Osmania University has recognized the department as a Research Center and two professors are recognized as Research Supervisors. The faculty members have varied academic interests and some of their specialized fields include Data Mining, Artificial Intelligence, Grid Computing, Image Processing, Cloud Computing etc. The department has been associated with eminent industries to carry-out research/consultancy work.

INFRASTRUCTURE

The department has a carpet area of **1585**Sq.mtrs. to accommodate the needs of classrooms, laboratories and other common facilities. The laboratories are well equipped computers with latest configuration. There are five UG, one PG and one research labs consisting a total of 218 systems.

The various servers in the server room which includes, Oracle 11g Database Server, Intranet Server (TOMCAT), Oracle 11g Database Automation Server, NPTEL Video/Web Server, Mat Lab Server 2011 R2,

Proxy Server, Red Hat Linux 5.0 Server, Library Automation Server, Symantec Protection Enterprise Edition 3.02, Rational Rose Server, Informatica Server all connected to the LAN thereby providing diverse computing platforms to the students across the campus. The college has high speed internet connectivity throughout the campus through a leased line from BSNL with 100Mbps and Beam telecom with 100Mbps+1Gbps broadband. To facilitate research, the department also has

1. Aneka.NET Cloud computing software version 3.0 enterprise edition site user license
2. MATLAB Perpetual concurrent license academic version

INDUSTRY INSTITUTE INTERACTION
The College has signed MoUs with prominent IT-related organizations: Pega Systems, Infosys, Merxius Software Pvt Ltd,Navaratan Technologies. These partnerships help the students meet the highly competitive standards of the industry by keeping them abreast with the advances in technology through training programmes, student internship and projects, lectures by professionals/experts from the industry. The department in association with Infosys, conducts Infosys Campus Connect foundation programme for students placed in Infosys from our college.

CONTENT BEYOND SYLLABUS
CSE Department also offers content beyond the syllabus in the form of QEEE (Quality Enhancement in Engineering Education) under MHRD.

VALUE ADDED COURSES
CISCO Local Academy enables students to meet the contemporary market demands of Computer Networks. The department has a CSI Student chapter to facilitate students for interaction with the industry and academia through seminars/workshops/expert lectures.

DEPARTMENT OF ELECTRONICS ANDCOMMUNICATIONENGINEERING

Established in 1981, the department offers 4-year B.E. Degree Programme in Electronics &Communication Engineering, with an annual intake of 120 students. It also offers two M.E. Programmes, Embedded Systems & VLSI Design and Communication Engineering & Signal Processing of two years

MISSION

"To inculcate a spirit of scientific temper and analytical thinking and train the students in contemporary technologies in Electronics &Communication Engineering to meet the needs of the industry."

duration each. There are 167 computers located in various labs of the department.

FACULTY

Dr. E. Sreenivasa Rao, is Professor and Head of the Department. The Department has 32 experienced faculty members comprising Professors, Associate Professors and Assistant Professors and industry professionals. The faculty has teaching expertise in various specializations like Signal Processing, Communications, Digital Systems, Embedded Systems, VLSI Design, Microwaves etc.

INFRASTRUCTURE

The ECE Department is spread in an area of 2,701 Sq. Mtrs. in a separate block to cater to the needs of classrooms, laboratories and other common facilities. The Department has 13 laboratories as per the curriculum which includes 4 advanced laboratories. The laboratories are as per the curriculum such as Basic Electronics, Analog Electronics Circuits, Digital & Integrated Circuits, Communication, Microwave Engineering, Signal Processing & Microprocessors and Interfacing.

The advanced labs are
- VLSI Lab with Mentor graphics and Cadence tools.
- Digital Signal Processing Lab with TMS320C6711 based DSP Kits, code composer studio and MATLAB modeling and simulation software.
- Communication Engineering Lab with Agilent make test and measurement bundle, WiComm-T Wireless communication trainer system SDR platforms, NI LabVIEW academy hardware and software bundles.

- Embedded Systems Lab with X86, 8051 and ARM based embedded system development platforms, Vivaldo SoC/Embedded System Development suite, Zynq 7020 based all programmable System on Chip (SoC) development platforms., Proteus Virtual System Modeling software.

The Department maintains a robust association with the industry for student training, student projects, faculty visits, expert lectures, and for collaboration in research and development in emerging technologies. The department is associated with the major industries like NVIDIA Graphics, Veda IIT, Cypress, AMS, ANURAG, National Instruments, DLRL, etc. The department has research projects funded by DLRL& RCI.

Osmania University accorded recognition to ECE department as a research center to carryout research leading to the award of Ph.D. degree. University also accorded recognition to 4 professors as Ph.D supervisors to supervise Ph.D scholars and currently about 25 Ph.D scholars are working with them in the department.

The Department has an IEEE student branch, IETE student Forum and IE(I) chapter to facilitate effective interaction with the industry and academia through seminars / symposia / workshops. The ECE students have been consistently securing top university honors among the affiliated colleges of Osmania University. A good number of ECE students have been offered employment both by IT and Core Electronics Engineering Companies in the campus selections.

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

The department of EEE was established in 1999. It offers a 4-year B.E. Degree Programme in Electrical & Electronics Engineering (EEE) with an annual intake of 60 students and one M.E programme in power systems and power electronics.

FACULTY Dr. M. Chakravarthy is Professor and Head of the Department. The department has 17 qualified and dedicated faculty comprising Professor, Associate Professors and Assistant Professors and also Industry professionals. The faculty has teaching expertise in various specializations like Power Electronics & Drives, Power Systems & Electrical Machines, Renewable Energy Sources and Control Systems.

INFRASTRUCTURE

The EEE Department is spread in an area of 1,967 Sq. Mtrs. caters to classrooms, laboratories and other common facilities. The Department is equipped with 8 labs, a departmental library, classrooms, tutorial rooms, a seminar hall with modern teaching aids and staff rooms. The laboratories are equipped to

MISSION

"To impart knowledge to electrical engineering students so that they have the skills to innovate, excel and lead in their professions with values for the benefit of the society."

suit the modern curriculum requirements. Some of laboratories in the department are Electrical Machinery Labs, Power Systems Lab, Power Electronics Lab and Control Systems Lab, Electrical Circuits & Measurements Lab and Electrical Simulation Lab. The Department has maintained a good ties with renowned organizations like Bharat Heavy Electricals Limited (BHEL), National Thermal Power Corporation (NTPC), Power Grid Corporation of India Limited, Central Power Research Institute (CPRI), Railway Loco Workshop, Vijay Electricals Limited, Medha Servo Drives, Siemens India Limited, GE Enterprises, etc. These links help students to equip themselves with latest trends in electrical and electronic industry. The department has 41 computer systems at its disposal.

DEPARTMENT OF INFORMATION TECHNOLOGY

The IT department was established in the year 2000. It offers a 4 year undergraduate programme B.E. in Information Technology with an annual intake of 120 students. The curriculum of I.T. emphasizes the ongoing *Convergence of Computers, Communications and Control Systems*. The programme ensures that the student effectively meets the

MISSION

To enable the students, acquire outstanding competence and skills in latest IT related technologies through practice-oriented teaching and training.

highest benchmarks of competence required by the industry. The unique feature of IT curriculum is 4 Mini projects (2nd yr. I & II Sem. & 3rd yr. I & II Sem.) which is included in the curriculum in addition to the Main Project in the final year. The students of our department have been selected by leading domestic and multinational companies like Microsoft, Teradata, CTS, Accenture, Capital IQ, Oracle, Pega systems, TCS, Infosys to name a few in the campus recruitment programmes.

FACULTY:

Dr. K. Ram Mohan Rao, Associate Professor is Head of the Department. The Department has 21 qualified and experienced faculty. The faculty has teaching expertise in C and Data Structures, Java, Web Technologies, Networking, Soft Engineering, Artificial Intelligence, Software Testing, Compiler Construction, Data and Mobile Communication, Cloud Computing, Data Mining, Microprocessors, VLSI Design, Embedded Systems and Signal Processing.

INFRASTRUCTURE:

The IT Department is spread in an area of 1,072 Sq. mtrs to cater to the needs of classrooms, laboratories and other common facilities. The department has 5 laboratories consisting of 216 computer systems equipped with C, C++, Java,Oracle9i with D2K, Rational Suite software and MSDN subscription through academic alliance with Microsoft. These computers are networked through central servers with access to internet and various design tools.

With the balanced mix of Electronics, Communication and Computer related subjects, the IT curriculum provides an opportunity for the students to have hands-on experience on specific tools MATLAB, Vx Works, VLSI Simulation & Synthesis tools from Mentor Graphics, Xilinx Foundation series, Rational Rose, PSPICE, Microwind and Microprocessors and Microcontroller kits (8085,8086 & 8051), CPLD/FPGA trainer kits. This is in addition to programming labs like C/C++, DBMS, Data Structures, OOSD, JAVA, Operating Systems, Web Technologies, Compiler Construction, Network Programming, Network Simulation using NS2, Middle Ware Technologies. Also, Cisco Lab is included in the curriculum for the students to improve their Networking knowledge.

The department has an exclusive well-stacked library. Apart from having a large number of books encompassing the entire spectrum of information technology, the library subscribes to several journals and periodicals pertaining to the discipline. The department has forged useful alliances with reputed IT–oriented organizations to facilitate student training, projects, internship and in arranging expert lectures.

DEPARTMENT OF MECHANICAL ENGINEERING

Established in the year 1981, the department offers 4-yearB.Eprogramin Mechanical Engineering, with an annual intake of 120 students and a 2-year M.E. Program in Advanced Design & Manufacturing.

FACULTY

Dr. T. Ramamohan Rao is Professor and Head of the Department. The Department has 28 faculty members and one adjuct faculty membes. The Department is one of the well-established Mechanical Engineering Departments in the State. Majority

> **MISSION**
>
> *To nurture an environment of research, innovation and knowledge through the latest teaching-learning practices in mechanical engineering.*

of staff have industrial experience. The Department has made a significant progress in research at the Master's and Doctoral levels. The faculty members of the Department are actively engaged in research publication and dissemination of knowledge through guest lectures at various prestigious institutions.

INFRASTRUCTURE

The Mechanical Engineering Department is spread in an area of 3,465 Sq. meters to cater to the needs of classrooms, laboratories and other common facilities. The department has excellent infrastructural resources. The laboratories in the department are Applied Thermodynamics, Thermal Engineering, CAD/CAM, Metallurgy Lab, FMS, CNC, Automation & Robotics, Welding, Metal Forming Technology, Metal Cutting & Machine Tools engineering, Metal Casting, Metrology & Instrumentation and dynamics of Machine lab..

A Central Workshop with the facilities of Carpentry, House Wiring, Fitting, Plumbing and Smithy imparts necessary skills to the students.

The CAD/CAM Lab is equipped with advanced CAD and CAE software, viz., Unigraphics, ANSYS, Hyperworks, FLUENT, GIBBS-CAM, MATLAB for different tasks of part Modeling & Assembly, Analysis, and Simulation etc. Sophisticated equipment like Fast Fourier Transforming Analyzer (FFT), Vibrations, Sound level meters and under additive manufacturing three 3D printing machines are also available.

The department has established linkages with various renowned organizations for student interactions, training, internship, faculty visits and consultancy services. Some of the organizations are Mahindra & Mahindra,

Castrol India, Rane Engine Valves, DRDL, Bharat Heavy Electricals Limited (BHEL), Designtech Systems, APSRTC, Central Institute of Tool Design and Midhani.

The students of the Department have consistently bagged Gold Medals and University Ranks among the affiliated colleges and won several prizes in design and other contests at various levels. The Department has excellent track record in placements and higher education.

DEPARTMENT OF PHYSICS

Department of Physics was established in 1981.

FACULTY

Dr. A.S. Sai Prasad is professor and Head of the Department. All the 5 faculty members are well qualified and experienced. The specializations of the faculty members include electron paramagnetic resonance, materials science, condensed matter physics, luminescence, magnetic fluids, atmospheric sciences etc. The

> **MISSION**
> *To imbibe the spirit of scientific temper and to instill logic and analytical approaching budding engineers.*

members are actively involved in research work. Two sponsored research project funded by the Atomic Energy Research Board and UGC-MRP were successfully completed. The faculty members are actively engaged in research work. More than 40 research papers were published by the faculty in International and national journals of high repute.

INFRASTRUCTURE

The Department is spread in an area of 275 Sq. Mtrs to cater to the needs of classrooms, laboratories and other common facilities. It has two laboratories namely Mechanics lab and Optics lab having equipment. The instruments include CROs, Optical fibers, lasers, Hall apparatus etc.

RESEARCH LAB:

The department established a research lab that is equipped with high temperature microprocessor controlled electric furnace (1400^0C), twin ball mill, microwave oven, single pan Keithly digital balance etc.

DEPARTMENT OF MATHEMATICS

MISSION

To impart in-depth knowledge of mathematics and its applications in various fields of engineering so as to enable the students to meet the challenges of the Engineering Problems with courage, confidence, conviction and competence.

FACULTY

The Department of Mathematics was established in year 1981. Dr.T.Sudhakar Rao is the Head of the Department. The Department has 7 faculty members and caters the teaching needs of the students in Mathematics. Two of them are doctorates. The department is actively engaged in the promotions of mathematical applications through **MATHS CLUB**.

DEPARTMENT OF CHEMISTRY

Department of Chemistry was established in 1981.

FACULTY:

Dr. P.Venugopal is Head of the Department. The department has 7 experienced faculty members. Four of them are doctorates. The other members are pursuing their Ph.D. One UGC sponsered minor project has been completed. The faculty members have published more than 30 research papers in International and National journals.

MISSION

To infuse knowledge of chemical principles of engineering materials to the prospective engineers

Infrastructure:

The department is spread in an area of 398 Sq. Meters including laboratories with latest equipments such as Potentiometers, Colorimeters, pH meters, Conductivity meters and Spectro-photometer etc.

DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

The Department, at present, offers courses in English and Economics. It has carved a unique niche by offering various value-added courses.

MISSION

To nurture the budding professionals to face dynamic situations of the business world through training, mentoring, and counseling by creating a 'learning rich' environment."

FACULTY

Ms.K.Jhansi Rani the Head of the Department. The department has seven faculty members who have a strong foundation in communication skills and phonetics.

INFRASTRUCTURE

The Department of English has comprehensive laboratories in an area of 173 Sq. meters. It provides training in communication and interpersonal skills, accent neutralization, soft skills and presentation skills to mention a few. The Phonetics & Interactive communication skills laboratories help students develop their communication as well as interpersonal skills thus enhancing their confidence levels and marginalizing their first language influence. The English Language Lab is upgraded to Multi media Lab with 34 computer systems containing Hi Class Software. The language software includes Sky pronunciation suite,Lets do business,and Connected speech from Young India. The total cost of major equipment/instruments in the Department is about Rs.31.00 lakhs.

DEPARTMENT OF PHYSICAL EDUCATION

Department of Physical Education plays a crucial role in encouraging the students to nurture the inherent talents in sports and games. Qualified and experienced faculty serves the needs of the students. The college has good indoor and outdoor sports & games facilities like table tennis, carom, chess, shuttle badminton, cricket, valley ball, basketball, etc. The college student teams have been consistently winning various prizes/medals at Inter-Collegiate, Inter-University and also at various National Level Tournaments.

DEPARTMENT OF HUMAN RESOURCES

Human Resources (HR) Department provides career guidance and counseling to the outgoing budding engineers. It prepares students to meet the industry's requirements and enrich them to suit the corporate world with excellent soft skills. The HR Department organizes personality development programs and looks after campus placements of the students. It takes care ofpre-placement training & placements. It explores the various career options in the fields of All India Civil Services, All India Engineering Services, Scientific, Research and Industrial Organizations,

Army, Navy and Air force in addition to arranging counseling sessions on higher education avenues in India and abroad. Human Resources wing is headed by Prof. Kishore, Director,Training & Placement. Sri. K. Srinivasa Chakravarthy is Assistant Director.

ACADEMIC AND EXAMINATIONS BRANCH
Academic and Examinations Branch takes care of all the academic requirements of students starting from admission processes, collection of original certificates at the time of admission, issue of i.d cards, syllabus books, photo copies of original certificates deposited in the college, course completion certificates, custodian forms, and return original certificates at the time of leaving and also issue transfer and bona-fide certificates, migration certificate, provisional degree certificate, consolidate marks memos, etc.

DIRECTOR – STUDENT WELFARE
Sri K. Ramakrishna is the DSW. This wing of the college looks after the student facilities and addresses problems of students. The DSWtakes care of the amenities, proctorial system, transport facilities, financial assistance, student bus passes, railway concessions, certification of scholarship applications and Student Bonafide certificates.

ACCOUNTS SECTION
The account section collects tuition fee, special fee, examination fee, medical condonation fee, process and disbursement of A.P. state social welfare scholarships, national merit scholarships, aicte stipends, prepares estimates to obtain education loan from banks, refund of caution deposits and issue of no due certificates.

STUDENT COUNSELLOR
The student counsellor services are provided to the students to give guidance on personal, social and psychological problems.

CAMPUS PLACEMENTS

BE students' placement details - 2020 0ut going students

Branch	CSE	ECE	EEE	IT	MECH	CIVIL	Total
No. of Students Eligible	133	135	66	118	111	72	619
Gross Selections	266	236	80	254	107	60	1003
Net Selections	127	124	52	111	77	38	529
% of Selections	95.49	91.85	78.79	94.07	69.37	67.86	85.46

S.No.	Details	Total
1	No of students with 1 Offer(s)	245
2	No of students with 2 Offer(s)	145
3	No of students with 3 Offer(s)	97
4	No of students with 4 Offer(s)	35
5	No of students with 5 Offer(s)	5
6	No of students with 6 Offer(s)	2
	Net Selections	**529**

S.No.	Name	Pay Package	CSE	ECE	EEE	IT	MECH	CIVIL
1	Tata Consultancy Services (Digital)	(Rs.7.50 Lakhs p.a.)	14	1	-	3	-	-
2	Accolite Software India Pvt. Ltd	Internship (20 K per month) & Employment (Rs.10.00 Lakhs p.a.)	4	-	-		-	-
3	Oracle India Private Ltd., (Vertical : UGBU)	Internship (20 K per month) & Employment (Rs 9.00 Lakhs p.a)	27	1	-	3	-	-
4	Deloitte Consulting (India) Private Limited (Verticals : Consulting & PSLM)	(Rs.7.60 Lakhs p.a.)	10	17	4	8	5	-
5	Merilytics	(Rs.4.75 Lakhs p.a.)	1	-	1	3	1	-
6	NCR Corporation	Internship (25 K per month) & Employment (Rs.7.00 Lakhs p.a.)	7	-	-	10	-	-
7	Oracle India Private Ltd., (Vertical : Netsuite Business Unit)	(Rs 9.00 Lakhs p.a)	4	-	-	2	-	-
8	Serendebyte Inc, (Pega - Drive)	(Rs.4.00 to 5 Lakhs p.a.)	3	3	-	4	-	-
9	Epam	Internship (15 K per month) & Employment (Rs.6.00 Lakhs p.a.)	2	-	-		-	-

10	Infosys - SES / SE Role through HackWithInfy	(Rs.3.85 to 5.00 Lakhs p.a.)	3	1	-	3	-	-
11	Infosys (Pega - Drive)	(Rs.4.50 Lakhs p.a.)	11	7	-	23	-	-
12	Larsen & Toubro Infotech Limited	(Rs.5.00 to 6.50 Lakhs p.a.)	38	37	11	36	6	4
13	Thomson Reuters	Internship (15K per month) & Employment (4.50 Lakhs p.a.)	-	-	-	-	-	-
14	Cotiviti India Pvt. Ltd	Internship (20 K per month) & Employment (Rs.7.00 Lakhs p.a.)	1	-	-	3	-	-
15	FactSet Systems India Pvt Ltd	Internship (20 K per month) & Employment (Rs.9.00 Lakhs p.a.)	1	-	-	2	-	-
16	Energy Tech Global	Internship (10 K per month) & Employment (Rs.5.00 Lakhs p.a.)	1	1	-	3	-	-
17	Tata Consultancy Services (Ninja)	(Rs.3.50 Lakhs p.a.)	33	38	15	40	12	9
18	Cognizant	(Rs.4.00 Lakhs p.a.)	5	18	5	6	14	3
19	Infosys	(Rs.3.85 Lakhs p.a.)	6	35	21	4	28	17
20	Eze Software	(Rs.6.00 Lakhs p.a.)	1	-	-	4	-	-
21	Hexagon Capability Center India Pvt. Ltd.,	(Rs.5.50 Lakhs p.a.)	3	-	-	1	-	-

22	Pega Systems	(Rs.10.00 Lakhs p.a.)	2	1	-	2	-	-
23	Accenture (Off campus)	(Rs. 4.50 to 6.50 Lakhs p.a.)	23	61	20	30	33	17
24	Hitachi Consulting	(Rs.6.50 Lakhs p.a.)	1	-	-		-	-
25	Value Momentum	(Rs. 3.60 to 5.00 Lakhs p.a.)	2	5	-	2	-	-
26	Persistent	(Rs. 6.41 to 4.41 Lakhs p.a.)	1	-	-	3	-	-
27	Oracle India Private Ltd., (Vertical : Applications Development Unit)	(Rs 9.00 Lakhs p.a)	2	-	-	3	-	-
28	Birlasoft	(Rs. 3.25 Lakhs p.a.)	-	1	-		-	-
29	BlackKnight	Internship (12 K per month) & Employment (Rs. 2.40 Lakhs p.a.)	-	-	-	2	-	-
30	Ernst & Young (EY)	(Rs. 4.25 Lakhs p.a.)	2	6	-	4	-	-
31	CGI	(Rs. 3.39 Lakhs p.a.)	-	-	1	1	2	-
32	Medplus India	Internship (12 K per month) & Employment (Rs.5.00 Lakhs p.a.)	4	-	-	2	-	-
33	Sobha Hartland Contracting Limited (Dubai)	(AED 60,000 p.a.)	-	-	-		1	1
34	Ashoka Builders	(Internship 15K per month)	4	-	-	6	-	-
35	West Agile Labs	(Rs. 5.50 to 3.50 Lakhs p.a.)	2	-	-		-	-

36	Redpine Signals	Internship (15 K per month) (Rs. 6.00 Lakhs p.a.)	1	3	-	2	-	-
37	MTX Inc., Internship (15 K per month) & Employment	(Rs.6.50 Lakhs p.a.)	3	-	-	3	-	-
38	Verisk Analytics	Internship (25 K per month) & Employment (Rs.6.75 Lakhs p.a.)	3	-	-	4	-	-
39	CISCO	(Internship 60K per month & Full-time Employment)	8	-	-	4	-	-
40	Daikin India	(Rs. 4.50 Lakhs p.a.)	-	-	-	-	1	-
41	J K Technosoft Ltd.,	Internship (10 K per month) (Rs.3.00 LPA)	-	-	-	-	-	-
42	Amazon (for SDE Role)	(Internship 60K per month) & on conversion to FTE pay package is Rs. 22 Lakhs p.a.)	7	-	-	2	-	-
43	S & P Global	Internship (15 K per month) (Rs. 7.80 Lakhs p.a)	2	-	-	2	-	-
44	IBM India Private Limited	(Rs. 5.00 Lakhs p.a)	-	-	-	-	-	-
45	Service Now	(Internship 45K per month) & on conversion to FTE pay package is	6	-	-	2	-	-

		(Rs. 21 Lakhs p.a)						
46	Kodem Legal Technologies India Pvt. Ltd.	(Internship 10K per month)	3	-	-	1	-	-
47	Mentor Graphics	(Rs. 15.75 Lakhs p.a)	-	-	-	2	-	-
48	Planful (formerly Host Analytics)	(Internship 15K per month)	-	-	-	3	-	-
49	Commvault	(Rs.20 to 23 Lakhs CTC (Base Salary + Variable Pay + Stocks)	-	-	-	1	-	-
50	Netcracker Technology Solution (India) Private Limited	(Rs. 5.00 Lakhs p.a)	-	-	1	-	-	-
51	ProKarma	(Rs. 3.00 Lakhs p.a)	-	-	-	1	-	-
52	Huddl Enterprise Communication Pvt. Ltd	(15 K per month) & Employment (Rs.5.00 Lakhs p.a.)	1	-	-	-	-	-
53	EY	(15 K per month) & Employment (Rs.4.40 Lakhs p.a.)	1	-	-	4	-	-
54	Energy Tech Global	Internship (10 K per month) & Employment (Rs.5.00 Lakhs p.a.)	8	-	-	3	-	-
55	Electronic Arts (EA) Games India (P) Ltd.,	(Rs. 9.52LPA (Basic pay) + Rs. 95,000 (Bonus) + 15000US$ (RSU's)= Rs.	1	-	-	-	-	-

		22.82LPA)						
56	Zomoso Technology	Internship (20 K per month) & Employment (Rs.6.85 Lakhs p.a.)	2	-	-	-	-	-
57	Ashoka Builders	(Internship 8K per month) & Employment (Rs.2.40 Lakhs p.a.)	-	-	-	-	-	5
58	Ayyanna Infra Pvt Ltd	(Internship 8K per month) & Employment (Rs.2.40 Lakhs p.a.)	-	-	-	-	-	3
59	Rexnord India Pvt Ltd	(Internship 11K per month) & Employment (Rs.2.80 Lakhs p.a.)	-	-	-	-	3	-
60	Arcserve India	Internship (30 K per month) & Employment	-	-	-	3	-	-
61	Medha Servo Drives Private Limited	(Rs. 3.38 Lakhs p.a.)	-	-	1	-	-	-
62	ACT Fibernet	(Rs. 5.00 Lakhs p.a.)	-	-	-	1	-	-
63	Verizon India (Pega Drive)	(Rs. 5.50 Lakhs p.a.)	-	-	-	1	-	-
64	Energy Tech Global (Technical Writer)	(Rs.2.40 Lakhs p.a.)	-	-	-	1	-	-
65	Cognizant (Infrastructure Services	(Rs.4.00 Lakhs p.a.)	-	-	-	-	1	1

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66	Phenom People	(Rs.5.65 Lakhs p.a.)	2	-	-	1	-	-
	Vertical)							

h.

PERSONAL NOTES

Telephone Numbers

Name & Address	E-Mail	Office	Residence