



ACADEMIC RULES & REGULATIONS

BACHELOR OF ENGINEERING 2023

(2022 SCHEME)



DAYANANDA SAGAR COLLEGE OF ENGINEERING

An autonomous Institute affiliated to Visvesvaraya Technological University, Approved by AICTE,
Accredited by NAAC with 'A' grade, ISO 9001-2015 Certified



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Vision

To impart quality technical education with a focus on Research and Innovation emphasizing on Development of Sustainable and Inclusive Technology for the benefit of society.

Mission

- **To provide an environment that enhances creativity and Innovation in pursuit of Excellence.**
- **To nurture teamwork in order to transform individuals as responsible leaders and entrepreneurs.**
- **To train the students to the changing technical scenario and make them to understand the importance of Sustainable and Inclusive technologies.**

DAYANANDA SAGAR COLLEGE OF ENGINEERING

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Values

The values that drive Dayananda Sagar Institutions and support its vision are:

- The Pursuit of Excellence - A commitment to strive continuously to improve ourselves and our systems with the aim of becoming the best in our field.
- Fairness - A commitment to objectivity and impartiality, to earn the trust and respect of society.
- Leadership - A commitment to lead responsively and creatively in educational and research processes.
- Integrity and Transparency - A commitment to be ethical, sincere and transparent in all activities and to treat all individuals with dignity and respect.

Quality Policy

We, at Dayananda Sagar College of Engineering, are committed to continually improve and deliver competitive, quality, technical education to the utmost satisfaction of students, their parents and potential employers.

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Glossary Abbreviations	
DSI	Dayananda Sagar Institutions
DSCE	Dayananda Sagar College of Engineering
VTU	Visvesvaraya Technological University
AICTE	All India Council for Technical Education
UGC	University Grant Commission
MHRD	Ministry of Human Resource and Development
CET	Common Entrance Test
AAT	Alternate Assessment Tool
CIE	Continuous Internal Evaluation
IAT	Internal Assessment Test
SEE	Semester End Examination
SGPA	Semester Grade Point Average
CGPA	Cumulative Grade Point Average
QE	Qualifying Examination
COE	Controller of Examinations
Lateral Entry	Students joining the program to 2nd year after completing diploma

1. Profile of Dayananda Sagar Institutions

Dayananda Sagar Institutions run under the aegis of Mahatma Gandhi Educational Trust, is characterized by its quality of education across a broad range of disciplines from pre-university courses to post-graduation and doctoral programs covering Engineering, Medical Sciences, Dental Sciences, Biological Sciences, Arts, Commerce, Pharmacy, Nursing, Allied Health, as well as Business Management and Information Technology.

Besides our high-caliber teaching staff, the students are given a challenging academic environment with well-equipped lecture halls, laboratories, excellent libraries and computer networking facilities. We also have exceptional sports facilities. The hostel facilities cater to local and international students, encompassing the cultural and recreational needs of our students.

The year 2015 witnessed the flagging off of the ambitious project 'Dayananda Sagar University' in Bangalore, which is seen as a novel initiative providing flexible options in academics, while also making pioneering moves in research, innovation and in the start-up domains.

1.1 Founder

The founder of DSI Late Shri R. Dayananda Sagar, was a graduate in Arts and Commerce from India and a barrister-at-law from England. He was a visionary, an educationist, and a believer in transforming the world besides a leader par excellence who saw no reason to shy away from his responsibilities in setting up Mahatma Gandhi Vidya Peetha Education (MGVP) Trust in the 60s. MGVP Trust now runs number of educational institutions from primary to post graduate education in various disciplines. Dayananda Sagar Group of Institutions is celebrating 2021-2022 as Centenary Year of the Founder.

Late Smt. Chandramma Sagar

Wife of the founder, Late Smt. Chandramma Sagar was a Doctor by profession, the first Indian woman to have acquired a triple Fellowship from the Royal College of Surgeons FRCS from London, Edinburgh and Glasgow. She was in the Panel of Doctors for the President of India.

1.2 Message from Principal

Dear Students

We are in the midst of interesting times with great opportunities. India is now the next frontier of the economic revolution. The aspirations, energy and acumen of the youth will be the key for India's economic transformation. A major step towards this direction would be to spot and hone the hidden talents of our youth and nurture them.

All great accomplishments are the outcomes of man's dreams, determination & dedication to achieve a truly noble goal. Dayananda Sagar College of Engineering (DSCE) managed under MGVP Trust is the manifestation of efforts, dreams and aspirations of all the people involved in the mission towards excellence.

It gives me immense pleasure to welcome you all to the creative world of DSCE with an eco-friendly campus coupled with best infrastructure. Our well-equipped labs, research centers, workshops and libraries help in attaining highest standards in academics, research and professional excellence. We have excellent sports infrastructure & recreational facilities. We at DSCE focus on holistic development of our students and emphasize on imparting sound conceptual knowledge coupled with skill building and value added programs on soft skills. Our students are trained and mentored by highly talented, competent, dedicated faculty who endeavor to create an enjoyable learning experience.

We are in a highly competitive global market that demands niche skills and it is vital to ensure our curriculum is aligned with industry. DSCE being an autonomous Institute, we have worked with Industry experts and Researchers to develop value added curriculum to bridge industry - academia gaps, with aspects of new education policy NEP-2020. In collaboration with leading names in the Industry, we have several MOUs to our credit; have setup Centres of excellence to expose our students to latest breakthroughs in technology. Our well-coordinated industry visits, seminars, conferences augments this journey.

DSCE is accredited by NAAC. DSCE is affiliated to Visvesvaraya Technological University (VTU), approved by AICTE and UGC.

NIRF-2023, DSCE positioned in the band of 51-100 in the Innovation Category. We are equally proud of our placement cell with high success rates year over year. Even during Covid-19 lockdown, we had excellent virtual placement drive conducted resulting in good placements. The undisputed strength of the institution is its alumni who are well placed in India and abroad.

We at DSCE believe in moulding our students into good, socially responsible human beings by inculcating right values. Success is inevitable where there is foresight, firm determination, hard work and discipline. At the end of your journey with DSCE we are certain that you will turn out to be a confident technocrat, and reach great epochs.

Wishing you all the best

Dr. B.G. Prasad
Principal, DSCE

1.3 The Pride of Dayananda Sagar Institutions - Its Leadership

The pride of DSI is its leadership team, who follow the footsteps of founder Late Sri R. Dayananda Sagar.

Dr. D. Hemachandra Sagar - Chairman, DSI

Dr. D. Hemachandra Sagar, a doctor by profession and a passionate educationist, is Chairman of the Dayananda Sagar Institutions (DSI), Sagar Hospitals and Sagar Group of Companies. With his vast experience he has successfully given a new dimension of service to humanity through Dayananda Sagar group.

Dr. D. Premachandra Sagar - Vice Chairman, DSI

Dr. D. Premachandra Sagar, a doctor by profession, and a great Institution builder has played a key role in identifying opportunities in the education and healthcare sectors. He is instrumental in spearheading the launching of Sagar Hospitals, Clinics and Pharmacies.

With the dynamic leadership of the present management, Dayananda Sagar College of Engineering (DSCE) is today credited as a center of excellence and is one of the largest engineering colleges in India offering all major programs

1.4 About Dayananda Sagar College of Engineering (DSCE)

DSCE was established in 1979 with the basic courses of Civil, Mechanical, Electrical and Electronics Engineering. Progressively DSCE has grown into one of the leading premier institutes providing quality education in 18 disciplines. DSCE is accorded with Autonomous status by VTU/UGC from 2015-16. DSCE offers Undergraduate and Master degree programs Affiliated to Visvesvaraya Technological University (VTU).

DSCE is accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade. Many of its programs are accredited by National Board of Accreditation (NBA). Dayananda Sagar College of Engineering is approved by UGC, New Delhi, All India Council for Technical Education (AICTE), Govt. of India, Govt. of Karnataka and affiliated to Visvesvaraya Technological University, Belagavi.

1.4.1 Campus

The Institute is spread over twenty-three acres of land with large infrastructure supported by laboratories with good Equipment & Machinery. The Central Library & Digital Library with all the modern facilities provides the knowledge base for the students.

The campus is WI-FI enabled with large bandwidth internet facility. The College has good faculty strength with highest professional integrity and committed to the academics with transparency in their actions. Each faculty takes the responsibility of mentoring a certain number of students through personal attention paving the way for the student's professional growth. The faculty are research oriented having number of sponsored R & D projects from different agencies such as Department of Science & Technology, Defense R & D organizations, Indian Space Research Organization, AICTE etc.

1.4.2 Placements

DSCE has an elite placement cell to facilitate the placements for all students. The cell provides pre-placement training in soft skills to enable the students to meet the challenges of modern corporate requirements. DSCE has an in-house - Centre for Innovation and Leadership (CIL) through which students are trained in Personality Development, CV Writing, Aptitude Assessment, Mock Interviews, and Group Discussion etc. ***Successively over the past 10 years all eligible students are being placed through the placement cell.***

List of a few Recruiting Partners

Infosys, HCL, Accenture, IBM, WIPRO, Mercedes Benz, SASKEN, Tech Mahindra, Novell Software Ltd., Cap Gemini, I Gate, HP, Emphasis, Volvo, ICICI, HSBC, Thomson Reuters, D-Link, Oracle, SBI Life, ITC InfoTech, TCS, Fire Pro Systems, Mindtree, Deloitte, Cognizant, Honeywell, Biocon, Soma Constructions, LG Soft, Huawei, Patni Computers, Microsoft, Adobe, Future Group, L & T InfoTech, ERNST & YOUNG, KPMG, Deutsche Bank, Aviva, Kotak Securities, Standard Chartered Bank, Wipro InfoTech, Godrej, Altair, ICICI Securities, Flipkart, Continental, Quest, JP Morgan, HP, Volvo, Bosch, NTT Data and many more.

1.4.3 Scholarships/Awards/Recognition

DSCE's commitment towards societal needs dates back to the days of its founder who started revolutionizing the education sector with a strong moto: education for all sections of the Society.

Some of the scholarships/awards/recognition includes:

a. A fee waiver up to 50% for meritorious students in CET joining DSCE:

A onetime 50% waiver for CET ranks less than 500

b. Sri. Dayananda Sagar memorial Merit Scholarship

Top ten students who secure CGPA of 9.5 and above will be awarded a scholarship amount of Rs.5000/- per semester, along with a certificate of Appreciation. This scholarship is awarded during 5th and 7th semester onwards based on the CGPA of I to IV and I to VI semesters, respectively.

c. Dr. Chandramma Dayananda Sagar Memorial Gold Medal

Rank holders of each program will be awarded gold medals/certificates at the Annual Graduation Ceremony along with a certificate of Merit.

UG: 10% of intake, not exceeding 10 Ranks for any department.

PG: If strength is less than 10 numbers then no ranks will be given. For more than 10 numbers, 3 Ranks to be announced.

d. Dr. D. Hemachandra Sagar Distinction Award

Top three graduating students who secure highest grading across all branches of Engineering in respective order will be honored with Dr. D. Hemachandra Sagar Distinction Award, a cash Prize of Rs.25000/-, Rs.20000/- and Rs.15000/- every year during Graduation Ceremony.

e. Dr. D. Premachandra Sagar Merit Awards

Every Semester, top two students who score SGPA over 9.5 and above will be awarded a cash incentive of Rs. 2500/- along with a certificate of Merit.

1.5 Academic Programs Offered

Dayananda Sagar College of Engineering is approved by All India Council for Technical Education (AICTE), Govt. of India and affiliated to Visvesvaraya Technological University. It has widest choice of engineering branches having 20 Under Graduate courses & 06 Post Graduate courses. In addition, it has 18 Research Centers catering to research scholars for obtaining Ph.D. under VTU.

1.5.1 Under Graduate Programs

The following departments offer Under Graduate Programs recognized by VTU

SI No.	Programs
1	B.E. in Aeronautical Engineering
2	B.E. in Artificial Intelligence & Machine Learning
3	B.E. in Automobile Engineering
4	B.E. in Biotechnology
5	B.E. in Chemical Engineering
6	B.E. in Civil Engineering
7	B.E. in Computer Science & Engineering
8	B.E. in Computer Science & Design
9	B.E. in Computer Science & Business Systems
10	B.E. in Computer Science & Engineering (Cyber Security)
11	B.E. in Computer Science & Engineering (Data Science)
12	B.E. in Computer Science & Engineering (Internet of Things and Cyber Security including Block Chain Technology)
13	B.E. in Robotics and Artificial Intelligence
14	B.E. in Electrical & Electronics Engineering
15	B.E. in Electronics & Communication Engineering
16	B.E. in Electronics & Instrumentation Engineering
17	B.E. in Electronics & Telecommunication Engineering
18	B.E. in Information Science & Engineering
19	B.E. in Mechanical Engineering
20	B.E. in Medical Electronics Engineering

1.5.2 Post-Graduate Programs

The following departments offer Post Graduate Programs recognized by VTU.

Sl No.	Programs and Nomenclature
1	M. Tech. in Computer Science & Engineering (SCS)
2	M. Tech. in Highway Technology (CHT)
3	M. Tech. in Structural Engineering (CSE)
4	M. Tech. in VLSI Design & Embedded Systems (LVS)
5	Master of Business Administration (BA)
6	Master of Computer Applications (MC)

1.5.3 Research Centers

The following departments offer M.Sc. (Engg.) by research and Ph.D., recognized by VTU.

SL No.	Name of the R & D Centre
1	Aeronautical Engineering
2	Automobile Engineering
3	Biotechnology
4	Chemical Engineering
5	Civil Engineering
6	Computer Science & Engineering
7	Electrical & Electronics Engineering
8	Electronics & Communication Engineering
9	Electronics & Instrumentation Engineering
10	Electronics & Telecommunication Engineering
11	Information Science & Engineering
12	Mechanical Engineering
13	Medical Electronics
14	Dept. of Physics
15	Dept. of Chemistry
16	Dept. of Mathematics
17	Master of Business Administration
18	Master of Computer Applications

2 Admission Process

2.1 Eligibility Rules for B.E. Program

The basic qualification for eligibility for admission to BE programs is Second Year Pre-University or 12th Standard or equivalent examination (herein after referred to as the Qualifying Examination or QE in short).

The candidate should have taken Physics and Mathematics as compulsory subjects along with Chemistry / Biotechnology / Computer Science / Biology / Electronics as optional subjects and English as one of the languages of study in the QE.

Further, the candidate should have passed the QE with an aggregate of minimum 45% marks in the optional subjects in the QE (40% of marks in QE in case of SC, ST & OBC Category candidates) for eligibility. The marks obtained by the candidate in Biotechnology / Computer Science / Biology / Electronics in the QE, will be considered in place of Chemistry, only for the purpose of determination of eligibility and not for the purpose of determination of rank, in respect of Engineering and Technology program.

Note*: The eligibility criteria may change on the directions of Government/University/Governing Bodies.

2.1.1 Eligibility for admission under Government quota

The institution may admit candidates belonging to Scheduled Castes, scheduled tribes and any other groups as per the guidelines issued by Government of Karnataka/AICTE/VTU from time to time.

For more details, log on to the CET website <https://cetonline.karnataka.gov.in/kea/Cet>

2.1.2 Lateral Admission of Students to the B.E. programs

Students are admitted to B.E. Degree Programs in respective specializations to the second year, as per the guidelines issued by Government of Karnataka / AICTE / VTU from time to time.

1. A student who is admitted directly to Second year under lateral entry scheme shall complete all the courses within a period of six academic years from the date of first admission into the B.E Program failing which he / she has to discontinue the course.
2. The student shall pass the mandatory courses as specified in the scheme compulsorily before the award of Degree.
3. The student has to earn prescribed number of credits from second year.

2.1.3 Nomenclature of BE programs

Sl. No.	Program	Nomenclature
1	Aeronautical Engineering	AE
2	Artificial Intelligence & Machine Learning	AI
3	Automobile Engineering	AU
4	Biotechnology	BT
5	Chemical Engineering	CH
6	Civil Engineering	CV
7	Computer Science & Engineering	CS
8	Computer Science & Design	CG
9	B.E. in Computer Science & Business Systems	CB
10	B.E. in Computer Science & Engineering (Cyber Security)	CY
11	B.E. in Computer Science & Engineering (Data Science)	DS
12	B.E. in Computer Science & Engineering (Internet of Things and Cyber Security including Block Chain Technology)	IC
13	B.E. in Robotics and Artificial Intelligence	RI
14	Electrical & Electronics Engineering	EE
15	Electronics & Communication Engineering	EC
16	Electronics & Instrumentation Engineering	EI
17	Electronics & Telecommunication Engineering	ET
18	Information Science & Engineering	IS
19	Mechanical Engineering	ME
20	Medical Electronics Engineering	MD

2.1.4 Maximum Duration for Program Completion:**a) In case of students admitted to first semester of first year B.E Program**

- i. Students admitted to first year first semester B.E shall complete the program within a period of eight academic years from the date of first admission, failing which they have to discontinue the Programme.
- ii. A student who has not obtained eligibility to third semester even after three academic years from the date of first admission to first semester shall discontinue the Program or get readmitted to first semester of first year B.E/B.Tech.

- iii. A student who has joined first year (to I or II semester) as a repeater and has not obtained eligibility to third semester even after three academic years from the date of readmission to first year shall discontinue the program or get readmitted to first semester of first year of B.E / B.Tech.
 - iv. A student who has been readmitted to first year does not get eligibility to third semester even after two academic years from the date of readmission, he/she shall discontinue the program or seek fresh admission following the prevailing admission procedure at that time.
 - v. A student who gets admitted to III semester from I year in three or less than three years shall complete the Program, with or without backlog, within a period of eight academic years from the date of first admission, failing which they have to discontinue the Program or seek fresh admission following the prevailing admission procedure at that time.
- b) In case of lateral entry students admitted to Third semester of Second Year B.E. Program.**
- i. Students admitted to second year third semester B.E/B.Tech. Shall complete the Program within a period of six academic years from the date of first admission, failing which they have to discontinue the Program.
 - ii. A student who has not obtained eligibility to fifth semester even after two academic years from the date of first admission to third semester shall discontinue the Program or get readmitted to third semester of second year B.E/B.Tech.
 - iii. A student who has joined second year (to III or IV semester) as a repeater and has not obtained eligibility to fifth semester even semester even after three academic years from the date of readmission to second year shall discontinue the program or get readmitted to third semester of second year B.E/B.Tech.
 - iv. A student, who has been readmitted to second year does not get eligibility to fifth semester even after two academic years from the date of readmission to second year, he/she shall discontinue the Program or seek fresh admission following the prevailing admission procedure at that time.
 - v. A student who gets admitted to V semester from II year in two or less than two years shall complete the Program, with or without break, within a period of six academic years

from the date of first admission, failing which they have to discontinue the Program or seek fresh admission following the prevailing admission procedure at that time.

2.1.5 Transfer of Students (Program / College)

- a. Program transfer will be granted as per AICTE / VTU norms. Applicant will be eligible for transfer only in the III Semester, provided he / she have successfully cleared all the subjects of I and II Semesters. These transfers are subject to availability of vacant seats in programs to which transfer is sought for, change of branch cannot be claimed as a matter of right. The transfers can be given provided the minimum strength in the parent program from which transfer has to be permitted does not fall below 75% of intake.
- b. The Institution may admit students from other Institution / Universities to any semester. Such admissions will be according to the directions and guidelines issued by appropriate authorities VTU / AICTE / Govt. of Karnataka from time to time.
- c. Only such candidates who have completed all the subjects of equivalence shall be eligible for such transfers. In case a candidate is found to have short fall of equivalence credits he / she will have to take such courses in addition to all the courses prescribed by the Academic Monitoring Committee of the College.

3. Academic Planning

- ❖ The curriculum is designed as per Outcome Based Education (OBE), with aspects of New Education Policy, NEP-2020 and shall include General Engineering subjects, Basic Science, Ability Enhancement Courses, Skill Development Courses, Humanity & Social Sciences, Core Professional Courses, Integrated Professional Core Courses, Non Credit Mandatory Courses, Mini Project works and Project Work, Internships, Online Courses, Professional Electives and Other Electives.
- ❖ The percentage distribution / coverage of courses is as per the guidelines given by VTU / UGC / AICTE and Ministry of HRD (MHRD) New Delhi.
- ❖ Individual Board of Studies for each Department takes care of formation of Scheme and Syllabus. The same is then approved by the Academic Council (AC) of the Institution.

- ❖ Additions and deletions of any particular course have to be recommended by Board of Studies (BOS) and approved by the Academic Council of the Institution.
- ❖ Each scheme also includes interdisciplinary courses and Institutional electives. Continuous Internal Evaluation (CIE) includes Internal Assessment Tests and Assignments.
- ❖ Student who does not satisfy the minimum attendance and CIE marks prescribed by the college is not eligible to take up Semester End Exams (SEE) in that particular course.

3.1 Semester Registration/Dropping/Withdrawal

- a. Every student has to register in person on the first day of every semester as per the notification issued by the Institution from time to time.
- b. In case of any delay to register due to any exigency, the parent/student should intimate the Principal through the Proctor and Head of the Department in advance, the reason for delay. However, for such students also, the attendance requirement shall be calculated from the date of commencement of the semester and not from the date from which the student starts attending the classes.
- c. Any student may be barred from registering for any course for specific reasons like disciplinary reasons, non-payment of fees etc.
- d. An average course load of 20 credits per semester with its minimum and maximum limits being fixed at 16 and 24 credits respectively will be allowed as per the recommendation of BOS and Academic Council.

The number of credits is clearly defined in the Scheme of Study. Students are required to compulsorily register for all the courses prescribed for each semester.

Dropping of Courses: Within one week after the last date of second internal assessment test, the student may, in consultation with his / her faculty advisor/ proctor, is allowed to drop a maximum of two courses and the credit requirement should not be less than minimum limit specified. The dropped courses are not recorded in the Grade Card. This facility is not applicable for first year students. Such Courses to be re-registered by these students and taken up for study at a later semester in the program.

- e. **Withdrawal from Courses:** A student may opt to withdraw from the course after the announcement of Final CIE but before the last working day as per the calendar. A student can withdraw a maximum of two courses and the credit requirement should not be less

than minimum limit specified only after the approval of the Academic Monitoring Committee. The student should have attended the CIE and also should fulfil the attendance requirement for the course/s that he/she wants to withdraw. The withdrawn courses will be recorded in the Grade Card. This facility is not applicable for first year students. Such Courses to be re-registered by these students and taken up for study at a later semester in the program.

- f. Course Coordinator / Mentor / Counselors will monitor the student's CIE performance and take further steps to advice the student accordingly. As a follow up, each student will be advised to continue with the average load, drop subjects or withdraw from them. This would also help in planning the course load of students between the minimum of 16 and maximum of 24 credit limits in the successive semesters based on faculty advice and on their performance in CIE and SEE in the preceding semester and of CIE in the current semester.
- g. Students can accelerate the rate of accumulation of credits by registering up to a maximum of 24 credits course load and continuing with them in the ensuing semesters, based on faculty advice and performance in CIE and SEE in the preceding semester. This shall be notified by the college from time to time. This facility will not be available for the first and second semester students.

3.2 Faculty Advisor

There is an advisor/mentoring system, involving regular faculty members with each faculty adviser being assigned a group of students.

The functions of faculty mentoring shall be to

- Advise the student in the group on all academic matters (Course registrations, Dropping of courses and Withdrawing of courses)
- Monitoring the student in the group for their individual academic performance.
- Identify students in the group who are slow, average or fast learners to help them phase their studies/learning based on their individual abilities.
- Serve as a friend, philosopher and guide to all of them in the group during their studentship in the college.

3.3 Attendance Requirement

All students of Autonomous Colleges under the University shall maintain a minimum attendance of 85% in each course registered. In case of any short fall in this, the Academic Council of the College shall consider the same and may condone the deficiency in special cases up to 10% condoning is considered, for reasons such as medical grounds, participation in University level sports, cultural activities, seminars, workshops and paper presentation with the permission of the College authorities. Even in such cases, a minimum of 75% attendance is absolutely mandatory. If the student does not meet the attendance requirement, he / she will not be allowed to take up the Semester End Examination of those courses only and the student can register for those courses in Supplementary Semester.

- a. The basis for the calculation of the attendance shall be the period prescribed by the Institution through its calendar of events. For late admission (during 1st Semester only) / transfer of students from other Institutes/Universities the date of admission to the BE/PG courses would be considered for the calculation of attendance. Parents / Guardians are advised to periodically check the status of the attendance of their ward from the Department.
- b. The students will be informed about their attendance position periodically by the college notifying the status on the notice board before each CIE and during the multiple counseling sessions.
- c. If a student does not fulfill the attendance requirements in any course, he / she are not permitted to attend the Semester End Examination.

Note: College has made arrangements for notifying the attendance on the notice board and informing the parents. Students or parents / guardians cannot exhibit ignorance for having not received any communication. It becomes essential for the students to be aware of their respective attendance percentage and to maintain attendance.

- d. Temporary Break of Study from the Program:

A student shall be permitted to withdraw temporarily from the Program on grounds like, prolonged illness, grave calamity in the family or any other serious happening. The

withdrawal shall be for periods which are integral multiples of a semester, provided that:

- The student applies to the College within at least 6 weeks of the commencement of the semester or from the date he/she last attended the classes, whichever is later, stating fully the reasons for such a withdrawal, together with supporting documents and endorsement of his/her parents / guardians.
- The College is satisfied of the genuineness of the case and that, even by taking into account the expected period of withdrawal, the student has the possibility to complete the prescribed program requirements within the time limits specified by the University.
- The student does not have any dues or demands at the College including tuition and other fees as well as library material.
- A student availing of temporary withdrawal under the above provision shall be required to pay such fees and/or charges as may be fixed by the College until such time as his/her name appears on the Students Roll List. However, it may be noted that the fees/charges once paid shall not be refunded.
- Normally, a student will be entitled to avail of the temporary withdrawal facility only once during his/her studentship of the program. However, any other concession for the student shall have to be approved by the Academic Committee of the College.

3.4 Semester Scheme

Each academic year is divided into two main semesters and one Supplementary semester every alternate year with their calendar, duration and academic activities fixed in advance by the College.

The plan for implementing the Semester Scheme in the College is given in the Table below:

Number of Semesters/Year	Three; Two being Main Semesters (Odd, Even) and one being a Supplementary Semester. (Note: Supplementary Semester is primarily to assist the slow learners and/or repeater students for repeating the courses. However, Autonomous Colleges may use this Semester to arrange Add-On Courses for other students and/or for deputing them for field work and/or internship.).
Semester Durations (Weeks)	Main Semester (Odd/Even): 19 each Supplementary Semester: 8

Academic Activities (Weeks)	<u>Main Semester:</u> Registration of Courses- 0.5; Course Work- 15.5; Examination Preparation-1.0; Examinations- 1.0; Declaration of Results- 1.0; Total: 19 <u>Supplementary Semester</u> (For Repeat/Add-On Courses):Registration of Courses- 0.1; Course Work- 7.0; Examination Preparation-0.2; Examination-0.2; Declaration of Results-0.5; Total: 8 <u>Inter-Semester Recess:</u> After each Main Semester– 2 to 3, flexible. After Supplementary Semester– 1 to 2, flexible.
Inter-Semester Recess	After each Main Semester– 2 to 3 weeks After Supplementary Semester– 1 to 2 weeks (Note: In each Semester, there shall be various provisions for students like, Registration of Courses at the beginning, Dropping of Courses in the middle and Withdrawal from Courses towards the end, all being under the advice of the Proctor. These facilities are provided to ensure that students have improved learning capabilities and minimizing their chances of failure in the Courses registered.)
Examinations	Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) both will have equal weight-age in the student's performance in Course Work / Laboratory Work and other activities. (NOTE: The CIE would be conducted during a semester on dates announced in advance and its results made known to students from time to time.)

3.5 Credit System

The choice based credit system (CBCS) is followed for all the U.G Programs of the college. The credit considerations are done as follows:

- ❖ Theory course (L), conducted for 1 hour / week / semester as one credit.
- ❖ Tutorials (T): 2 hours / week / semester as one credit.
- ❖ Laboratory course conducted for 2 hours / week / semester as one credit course.

Note: The above figure shall be multiplied by a factor of 2 in the case of Supplementary semester.

3.6 Credit Structure

Based on the above, distribution of Credits is shown in Table below:

Lecture (L) (hrs/wk/sem)	Tutorials (T) (hrs/wk/sem)	Lab. Work (P) (hrs/wk/sem)	Credits (L:T:P:SS*)	Credits (Total)
4	0	0	4:0:0:0	4
3	0	2	3:0:1:0	4
3	0	0	3:0:0:0	3
2	2	0	2:1:0:0	3
3	0	2	3:0:1:0	4
3	2	0	3:1:0:0	4
0	0	6	0:0:3:0	3
2	2	2	2:1:1:0	4
2	0	0	2:0:1:0	3
1	0	0	1:0:0:0	1
0	2	0	0:1:0:0	1
0	1	1	0:0.5:0.5:0	1
0	0	2	0:0:1:0	1
L*: Lecture	T*: Tutorial	P*: Practical	SS*: Self Study	

3.7 Credit Requirement:

The total number of Credit required to be earned by the student for the award of the degree is given in the Table below:

Program	Normal Duration Years (Semester)	Total No. of credits to be earned (Average/Semester = 18-24)
UG Degree BE	4.0 (8)	160
UG Degree BE (Lateral Entry students)	3.0 (6)	120

3.8 Credit Distribution

Course Category	Breakup of Credits(160)
Humanities, Social Sciences and Management (HSMC) including UHV	10
Basic Sciences (BSC)	22
Engineering Sciences (ESC) including AEC	21
Professional Courses (PCC) – Core including IPCC and PCCL	56
Professional Courses (PEC) -Elective	15
Other Open Elective Courses-Electives from other technical, emerging, arts, Commerce and NCC/NSS activities/Ability Enhancement Course (OEC)/PLC	12
Mini and Major Project Work/Seminar/Summer Internship and Research/Industrial Internship (PROJ)	24
Mandatory Courses (non-credit)	00

4. Evaluation System**4.1 Achievement Testing**

Achievement testing will be done through theory and practical examinations as follows, both of them being important in assessing the student's achievement.

4.1.1 Continuous Internal Evaluation (CIE):

There will be Three Internal assessment tests (IAT) conducted for 50 marks and will be reduced to 10 marks each, One Alternate Assessment Tool (AAT) for 10 marks and One Quiz for 10 marks in a semester to assess the students. The average of the all the three IAT, AAT and Quiz will be taken and is considered as final CIE marks.

Assessment Evaluation pattern for standalone theory and Lab courses**CIE in Theory Course (50 Marks)**

(Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating and Creating)

Each Test will be conducted for 50 Marks adding up to 150 Marks. Final test marks will be reduced to 30 Marks.	IAT	Marks			
		Max. Marks	Reduced to 30 Marks	Average	IAT Final Marks
	IAT-I	50	30(A)	(A+B+C)/3 =30 (D)	Total out of 30 marks
	IAT-II	50	30(B)		
	IAT-III	50	30(C)		
QUIZ	Evaluated for 30 Marks			Reduced to 10 Marks	
	30			10 (E)	
Alternate Assessment Tool (AAT)	Reflection Note on Guest Lecture/ Reflection note on Industrial Visit/ E-course certification/Building models/Group discussion/case study/Seminar/Paper Presentation/Open Book Assignment				
	10 Marks (F)				
Total CIE Marks	CIE (D) +QUIZ (E)+ AAT(F)			50 Marks	

CIE in Laboratory (50 Marks)

Conduction of Experiments(E)		30 (G)	Total= G+H=50	Total out of 50 Marks
Performance of the Experiment (On completion of every experiment/program in the laboratory, the students shall be evaluated and marks shall be awarded on the same day. 20 marks are for conducting the experiment and calculations/observations/output)	20			
Record	05			
Evaluation of Outcome/ Viva	05	Reduced to 20 (H)		
Final test/Case Study/Open Ended Experiment (if not a test, then a five-page report stapled has to be submitted)	50			

Final theory CIE marks =50 Marks**Final Lab CIE marks =50 Marks***** SEE Theory will be conducted for 100 marks*****SEE Lab will be conducted for 50 marks*****Refer Pg.27 Evaluation Guidelines and Minimum Marks for Eligibility Table**

Assessment Evaluation pattern for AEC/UHV courses**CIE in Theory Course (50 Marks)**

(Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating and Creating)

Each Test will be conducted for 50 Marks adding up to 100 Marks. Final test marks will be reduced to 30 Marks.	IAT	Marks			
		Max. Marks	Reduced to 30 Marks	Average	IAT Final Marks
	IAT-I	50	30(A)	(A+B)/2 =30 (C)	Total out of 30 marks
IAT-II	50	30(B)			
QUIZ	Evaluated for 30 Marks			Reduced to 10 Marks	
	30			10 (D)	
Alternate Assessment Tool (AAT)	Reflection Note on Guest Lecture/ Reflection note on Industrial Visit/ E-course certification/Building models/Group discussion/case study/Seminar/Paper Presentation/Open Book Assignment				
	10 Marks (E)				
Total CIE Marks	CIE (C) +QUIZ (D)+ AAT(E)			50 Marks	

CIE in AEC Laboratory (50 Marks)

Conduction of Experiments(E)		30 (G)	Total= G+H=50	Total out of 50 Marks
Performance of the Experiment (On completion of every experiment/program in the laboratory, the students shall be evaluated and marks shall be awarded on the same day. 20 marks are for conducting the experiment and calculations/observations/output)	20			
Record	05			
Evaluation of Outcome/ Viva	05	Reduced to 20 (H)		
Final test/Case Study/Open Ended Experiment(if it is not test then a five page report stapled has to be submitted)	50			

Final theory CIE marks =50 Marks**Final Lab CIE marks =50 Marks**

* SEE Theory will be conducted for 50 marks

*SEE Lab will be conducted for 50 marks

***Refer Pg.27 Evaluation Guidelines and Minimum Marks for Eligibility Table**

Assessment Evaluation pattern for Integrated Professional Core Courses

CIE for the theory component of Integrated Professional Core Courses (IPCC)

(Bloom's Taxonomy Levels: Remembering, Understanding, Applying, Analyzing, Evaluating and Creating)

Each Test will be conducted for 50 Marks adding up to 150 Marks. Final test marks will be reduced to 30 Marks.	IAT	Marks			
		Max. Marks	Reduced to 30 Marks	Average	IAT Final Marks
	IAT-I	50	30(A)	(A+B+C)/3 =30 (D)	Total out of 30 marks
	IAT-II	50	30(B)		
	IAT-III	50	30(C)		
QUIZ (One Quiz to be evaluated for 30 marks)	Evaluated for 30 Marks			Reduced to 10 Marks	
	30			10 (E)	
Alternate Assessment Tool (AAT)	Reflection Note on Guest Lecture/ Reflection note on Industrial Visit/ E-course certification/Building models/Group discussion/Seminar/Paper Presentation/Open Book Assignment				
	10 Marks (F)				
Total theory CIE Marks	CIE (D) +QUIZ (E)+ AAT(F)			50 (G) reduced to 30 (K) Marks	

CIE for the practical component of Integrated Professional Core Courses (IPCC)

Conduction of Experiments		30 (H)	Total= H+I=50 (J)	Total out of 50 (J) Marks reduced to 20 (L)
Performance of the Experiment (On completion of every experiment/program in the laboratory, the students shall be evaluated and marks shall be awarded on the same day. 20 marks are for conducting the experiment and calculations/observations/output)	20			
Record	05			
Evaluation of outcome/Viva	05			
Final test/Case Study/Open Ended Experiment (if not a test, then a five-page report stapled has to be submitted)	50	Reduced to 20 (I)		

Final CIE of IPCC=[CIE of Theory (K)+CIE of Lab (L)]=CIE marks scored by the student

The minimum marks to be secured in CIE of the lab to appear for SEE of IPCC shall be the 8 marks (40% of maximum marks) and 12 marks (40% of maximum marks) in the CIE theory component.

The laboratory component of the IPCC shall be for CIE only. However, in SEE, the questions from laboratory component shall be included. The total marks of all questions in SEE should not be more than the 25 marks from the practical component of IPCC. The theory component of the IPCC shall be for both CIE and SEE.

***SEE Theory will be conducted for 100 marks**

***Refer Pg.27 Evaluation Guidelines and Minimum Marks for Eligibility Table**

Evaluation Guidelines and Minimum Marks for Eligibility			
Course	Evaluation Type	Maximum Marks	Minimum Marks
IPCC	CIE-IA Tests	30	12
	CIE-AAT (Quiz & Assignment)	20	08
	Total CIE Theory	50	20
	Reduce overall theory marks from 50 to 30. The minimum marks to be secured in CIE of the THEORY to appear for SEE of IPCC shall be 12 marks [40% of maximum marks (30)] in the CIE theory component.		
	CIE-Practical (Conduction)	30	12
	CIE-Practical (Test)	20	08
	Total CIE Practical	50	20
	Reduce overall practical marks from 50 to 20. The minimum marks to be secured in CIE of the lab to appear for SEE of IPCC shall be the 8 marks [40% of maximum marks (20)].		
	CIE(THEORY+PRACTICAL)	30+20=50	12+8=20
	SEE	50	18
	CIE+SEE	100	40
Stand Alone Theory and AEC Theory Courses	Total CIE Theory	50	20
	CIE-IA Tests	30	12
	CIE-AAT (Quiz & Assignment)	20	08
	SEE	50	18
	CIE+SEE	100	40
Stand Alone Lab and AEC Lab Courses	Total CIE Practical	50	20
	CIE-Practical(Conduction)	30	12
	CIE-Practical (Test)	20	08
	SEE	50	18
	CIE+SEE	100	40

The marks obtained by the student in CIE will be displayed in the respective departments. The students are expected to affix their signatures during a prescribed period after verifying the marks scored by them.

4.2 Eligibility to attend SEE

To be Eligible to attend Semester End Examination (SEE), a student should have secured minimum marks in CIE and attendance $\geq 85\%$ in the respective course.

➤ For B.E program CIE ≥ 20 marks (40%)

If the student fails to get the minimum marks he / she will be declared as Fail in the respective course and will have to register during the Supplementary Semester.

Semester End Examination (SEE): Conducted after the completion of course work of each Regular and Supplementary Semester. SEE is conducted for 100 marks and the student has to secure a minimum of 35 marks to pass the respective course. A student securing an 'F' grade in any courses, shall reappear for that course during the subsequent SEE. The CIE marks awarded to the student at the first attempt in the concerned course shall be carried forward.

4.3 Passing Standards (As per the evaluation guidelines)

The Standard of passing in each Course is given in the following table:

Passing Standards	
Continuous Internal Evaluation (CIE)	$\geq 40\%$
Semester End Examination	$\geq 35\%$
Passing Standard for courses having both Theory and laboratory components	CIE: Theory $\geq 40\%$, Lab $\geq 40\%$ SEE: Theory $\geq 35\%$ and aggregate of $\geq 40\%$ (CIE+SEE)
Passing Standard for Project work	CIE $\geq 50\%$ and SEE $\geq 50\%$
Seminar / Internship	CIE $\geq 50\%$

There shall be no re-examination for students in any course under the following criteria:

- ✓ Who have absented themselves from attending CIE or SEE without any valid reason;
- ✓ Who have failed (Grade F) to meet the minimum passing Standard prescribed for CIE and/or SEE;
- ✓ Who have been detained for shortage of attendance in any course work;
- ✓ Who have withdrawn (Grade W) from a Course.

Such students shall be required to re-register for the Course(s) and go through CIE and SEE again and obtain a Grade P or better in each case and such students shall have to re-register for the same Course(s). The re-registration shall be possible only when the particular Course is offered again either in a main (Odd/Even) or a supplementary semester.

4.4 Viewing of Answer Scripts and Revaluation

Answer Script Viewing Process has been implemented for both UG and PG programs. After the provisional results are announced, the candidate can view his SEE answer scripts. The candidate shall register for Answer Script Viewing and during Answer Script Viewing candidate can give his/her grievance in writing in the prescribed format. Then the answer scripts evaluated once again for the said grievance raised by the student. The Re-Evaluation will be done by an expert committee formed by the respective BoE. Paper viewing process is final and this eliminates issue of Photostat copying of answer scripts and challenge valuation.

Procedure for Viewing of Answer Scripts

The dates of registration for Viewing of Answer Scripts will be announced by the Office of CoE after the provisional results have been announced. For each course for which the student wishes to verify the answer script, the student needs to register for the course in the prescribed format. The schedule to view the answer scripts will be announced and the student should be present personally to view the answer scripts. During this time, the student will be provided with a grievance form along with the answer script with marks awarded & scheme and solution. The students should provide the specific grievance question wise and only those grievances will be addressed. Once the grievance form is submitted to the office of CoE, an expert team will be formed by the respective BOE in consultation with the CoE. The grievance forms will be verified and each answer script applied for Answer Script Viewing will be evaluated by an expert team and if any change in the grade awarded is found, then better of the marks shall be considered for final grading.

5 Grading System

Absolute Grading system on 10-point scale is followed in the evaluation of student's performance in a course.

- a. **LETTER GRADES:** Letter grade is basically a qualitative measure (an alphabet/letter) giving the performance of a student, such as, **Outstanding (O), Excellent (A+), Very Good (A), Good (B+), Above Average (B), Average (C), Pass (P)** and **Fail (F)**, based on the score. This is arrived at after the student's performance in a course, which includes **both CIE and SEE**.

- b. The range of marks for each letter grade shall be as given in the following Table 5(b):

Level	Out Standing	Excellent	Very Good	Good	Above Average	Average	Pass	Fail
% of Marks Secured	90-100	80-89	70-79	60-69	55-59	50-54	40-49	0-39
Grade	O	A+	A	B+	B	C	P	F
Grade Points	10	9	8	7	6	5	4	0

- c. Grade Points: Depending on the letter grades assigned, a student earns certain grade points. In the 10-point grading system that is followed, the grade points earned for different letter grades are given in table under 5 (b).
- d. Grade point averages SGPA and CGPA: The grade points earned for each course are used further for calculating semester grade point average (SGPA) and the cumulative grade point average (CGPA), both of which being important performance indices of the student.
 - i. SGPA (Semester Grade Point Average) is the performance index of a student for a semester; it is the total grade points earned divided by the total number of credits registered in that semester.

$$SGPA = \frac{\sum [(Course Credits) \times (Grade Points earned)]}{\sum Course Credits}$$

for all courses registered during that semester

- ii. CGPA (Cumulative Grade Point Average) is a performance index of total grade points earned in all the previous semesters divided by the total number of credits earned.

$$CGPA = \frac{\sum [(Course Credits) \times (Grade Points earned)]}{\sum Course Credits}$$

for all courses registered in the semesters up to that point excluding F grade

The SGPA and CGPA respectively facilitate the declaration of academic performance of a student at the end of the semester and the end of successive semesters.

- e. Transitional Grades: The transitional grades, such as 'I', 'W' and 'X' shall be awarded to a student in the following cases. These shall be converted into one or the other of the letter grades (O to F) after student completes his/ her course requirements, including examinations:

Grade 'I': Awarded to a student having satisfactory attendance at classes and meeting the passing standard at CIE in a course, but remained absent from SEE for valid and convincing reasons acceptable to the college, like

- i. Hospitalization due to accidents / illness, which disables him/her from attending SEE.
(Proof of Admission & Discharge Summary)
- ii. Death in the family at the time of SEE, which required the student to be away from the college. (Applicable only in case of Death of Parents/Own Brother/Own Sister)

- iii. Any other exigency like a student representing the Institution / State / University / Nation in events at University / State / National / International level competition. Such consideration requires prior written permission from Head of the institution to attend the event, production of proof of participation in that event immediately after return.
- iv. In the event of (i) and (ii) above, it is the responsibility of the student / parent/ guardian to inform the college authorities (proctor/HoD) immediately. The information can be in the form of either written communication, personal communication by parent/guardian/peer or an e-mail. The candidate needs to submit all the relevant evidences (hospital reports, police reports, certificates from competent authorities, etc.). Prior intimation is mandatory. **Any intimation after the conduct of examination shall not be entertained.**

Grade 'W': Awarded to a student having satisfactory attendance at classes, but withdrawing from that course before the prescribed date in a semester under faculty advice.

Grade 'X': Awarded to a student having attendance 85% and CIE rating ($\geq 90\%$) in a course, but SEE performance observed to be poor, which could result in an overall F grade in the course. (No 'F' grade will be awarded in this case but student's performance record will be maintained separately).

- f. Earning Credit: A Student would be considered to have completed a course successfully and earned the credits, if he / she secures a letter grade other than I, W, X or F in that subject. Grade F in any subject implies failure in that subject. If a student has CIE $\geq 40\%$ and is absent for SEE the grade awarded will be F.

Other Letter Grades: The following letter grades are also awarded under the circumstances defined below. DX-0; credits are not included in CGPA, attendance below 85% (repeat the course); AU: 0- Satisfactory in an audit course; AB: Absent for the course; PP:0-passed in non credit course; IC: No credits-Incomplete

5.1 Make - Up Examination:

The students who have secured CIE ≥ 45 (90%) marks and attendance $\geq 85\%$ in the respective course but failed to secure 35 marks in SEE will be awarded with 'X' Grade in SEE and only such students will be eligible to take Make-Up Examination.

- An additional examination is conducted within two weeks after announcement of Results of the SEE of regular semester for students Who have failed in the course in SEE by securing 'X' grade and for the students awarded with 'I' grade.
- The student cannot demand makeup exam as a matter of right.

- There will be no Make-Up Examination after the Semester End Examination of Supplementary semester.

5.2 Supplementary Semester:

- The course/s for which the student does not possess satisfactory attendance/ CIE score, shall be marked as DX in the Grade sheet. Such students are not permitted for SEE for the courses marked as DX in Grade Sheet. The students have to re-register only for those course/s marked as DX in supplementary/ subsequent semester whenever that course is offered and obtain the required CIE and attendance. Subsequently, they are eligible to appear for SEE in such course/s.
- The candidates who have satisfied CIE and Attendance requirements for the course/s and obtained F grade in SEE are permitted to appear directly in SEE examination/s as backlog paper/s. Such candidates need not re-register for such course/s in the supplementary/ fast track semester. In case the student wished to improve CIE he/she has to re-register for supplementary/ fast track semester as and when offered next.
- The candidate who obtains required attendance and CIE in supplementary semester, but obtains 'F' grade in SEE, is permitted to appear for SEE subsequently as backlog course/s. The student need not repeat course for Attendance and CIE.
- Courses with Transitional Grade "W" are also eligible to register in supplementary semester.
- All courses may not be offered in the supplementary semester. It is the discretion of the institution to offer the courses based on the availability of resources. The institutes shall notify time table for supplementary semester well in advance.
- Supplementary semester is optional; it is for the candidate to make best use of the opportunity. Supplementary semester is a special semester and the student cannot demand it as a matter of right.
- A candidate is permitted to register for a maximum of 16 credits in supplementary/ fast track semester.

A student of UG programme will have opportunity to register for supplementary semester which is offered after 4th semester for courses from 1st to 4th semester and after 8th semester for courses from 3rd to 8th semester.

5.3 Schedule of Examinations

The Controller of Examinations announces the Time Table for the SEE. The examinations in an academic year are conducted in the order as follows:

1. SEE at the end of odd semester
2. Make-Up examination after odd semester to students as per 5.1
3. SEE at the end of even semester
4. Make-Up examination after even semester to students as per 5.1
5. Supplementary Semester at the end of even semester SEE as per 5.2

Note: There shall be no restrictions for promotion from an odd semester to the next even semester.

6.0 Vertical Progression (Promotion to Next Academic Year)

All the below clauses are subject to a maximum duration of eight (for Regular Students) / six years (for Lateral Entry Students) as applicable.

1) In case of students admitted to the first year:

(a) Students have to fulfill the attendance and CIE requirement to appear for SEE of course/s of 1st year

(b) Students having 'F' Grades for the courses totaling to more than 16 credits in the 1st and 2nd semesters of the first year of the program shall not be eligible to move to the 3rd semester (2nd year) of the program. These courses include courses marked as DX and AB.

(c) The students who fail to satisfy CIE and attendance requirement has to repeat the courses whenever offered next and become eligible for the 2nd year.

2) Obtaining CIE: From the 3rd semester (second year) onwards the student who obtains the required attendance for the course, but not the required CIE marks is allowed to move forward to the next semester. However, the student has to mandatorily obtain the required CIE in the subsequent semester. Obtaining minimum CIE marks for the course is mandatory. It may also be noted that the student shall not be permitted to appear for SEE in such courses until he/she obtains the required CIE.

3) Carryover of backlog courses: From 3rd semester onwards the student/s who obtains required attendance, CIE, and appears for university examinations but fails (F Grade) to pass a course/s is allowed to move forward to the next semester (odd /even) irrespective of a number of F grades. However, for the award of degree, the student has to pass in all courses as per applicable scheme and regulations and earn the prescribed credits. This is subject to a

permitted maximum duration. **It may also be noted that the student will be given admission to the IV year (7th semester) provided he/she passes all courses of 1st and 2nd semesters.**

4) From the second year onwards there shall be no restriction for promotion from an even to next odd semester (or odd to next even semester) even if the student has not satisfied the attendance requirement in one or more courses (including bridge courses for lateral entry students). He/she shall not be eligible to appear for the Semester End Examination (SEE) of that course(s). The student shall be required to repeat that course whenever offered next.

5) Permitted Maximum credits for registration: The student shall be permitted to register for total courses not exceeding 28 credits. These 28 credits include the courses of the regular semester and backlogs (Courses marked as DX).

The registration of these additional credits includes the courses having a shortage of attendance and the courses whose CIE requirements are not fulfilled. A student has to pay the prescribed fee as notified by the College from time to time.

6.1 Admission from VTU to Autonomous Course

- A student seeking admission to Autonomous Program from VTU either in the third or fifth semester, the student should have cleared all the subjects under VTU. Students with Backlog subjects are not eligible for admission to Autonomous Program.
- No migration of student from VTU to Autonomous is permitted in 7th Semester.
- If any new courses are prescribed in Autonomous system which are not taught in VTU system, the candidate should clear those courses before completion of the Program.
- The student should make a request to change the Program from VTU system to Autonomous system to VTU through Principal and VTU decision is final.

6.2 Revaluation

The Controller of Examinations will announce the schedule for paper viewing and revaluation after the announcement of SEE results of the odd and even semesters of the examination. There is no paper viewing and revaluation for Lab courses. There is no revaluation after Make-Up exam.

6.3 Malpractice

A student who is booked under malpractice will be prevented from writing that particular examination from the instant he/she is booked. The candidate shall be required to appear before the disciplinary committee. The day, date and time will be specified by the Chief

Superintendent / Controller of Examination. If the student is found guilty, depending on the severity of the case, the committee will impose an appropriate penalty. In such cases, the said course will be awarded with a credit of 'F' for the calculation of SGPA.

6.4 Rejection of Results

A student is permitted to reject the results of an entire semester (including CIE) only once during the entire program duration. The candidate, who desires to reject the performance, shall reject performance in all the courses of the semester, irrespective of whether he/she has passed or failed in the courses. Such a candidate is allowed to take re-admission for the relevant semester.

6.5 Grade Card

Each student will be issued a Grade card at the end of Make-Up examination of odd and even semester as well as Supplementary examinations. This will have a list of all the courses registered by the student for the examination together with their credits, the letter grades with grade points awarded.

Only those courses registered for credit and having grade points shall be included in the computation of the student's performance like SGPA and CGPA. The courses taken for audit will not form part of this computation.

The result of mandatory courses, which are of the noncredit type, will also be reflected in the grade card as PP (for Passed) or NP (for Not Passed). It may be noted that each UG student shall have to obtain the grade PP in each mandatory course to qualify for the award of degree by the university.

6.6 Successive failure

If the students fail to secure the pass grade in a course even after four attempts, that course is deemed to be exempted for him or her. Then the student may choose a new course of his/her choice with the same number of credits from the pool of courses stipulated by concerned Board of Studies. The course so selected should not have been studied by the student or to be studied in the higher semesters. The faculty advisor shall guide the students in this regard. The college has to make agreements for the registration and conduction of CIE for the selected course.

This provision is only for two course (one at the time during the entire maximum duration of a course) however this is optional and the student can have preferred to repeat the same course in which he/she failed repeatedly.

6.7 Maintaining Minimum CGPA of 5 for award of Degree:

- i) Noncompliance of CGPA ≥ 5.00 at the end of program
 - a) Students, who have completed all the courses of the program but do not have CGPA ≥ 5.00 at the end of program, shall not be eligible for the award of the degree.
 - b) In such cases, students shall be permitted to appear again for SEE in course/s (other than internship, technical seminar, project (mini and main) and laboratories) of any semester/s without the rejection of CIE marks for any number of times, subject to the provision of the maximum duration of the program to makeup the CGPA equal or greater than 5.00 for the award of degree.
 - c) In case the student earns and improves grade/s in all the reappeared course/s, the CGPA shall be calculated considering the improved grade/s. If it is ≥ 5.00 , the students shall become eligible for the award of degree. If CGPA < 5.00 , the students shall repeat the procedure.
 - d) In case the student earns improved grade/s in some course/s, the same or lesser than the previously earned pass grade/s in the other reappeared course/s, the CGPA shall be calculated considering the improved grade/s and the pass grades earned before the appearance. If it is ≥ 5.00 , the student shall become eligible for the award of degree. If CGPA < 5.00 , the student shall repeat the procedure.
 - e) In case the students earn improved grade/s in some course/s and fails in the other reappeared course/s, the CGPA shall be calculated by considering the improved grade/s and the previously earned pass grade/s of the reappeared course/s in which the student has failed. If it is < 5.00 , the students shall repeat the procedure.
 - f) In case the student fails (i.e., earns F grade) in all the reappeared course/s, pass grade/s of the course/s earned by the student before reappearance shall be retained. In such cases, the students shall repeat the procedure.
 - g) The student shall obtain written permission from the controller of Examination of respective college to reappear in SEE to make up the CGPA equal to or greater than 5.00

6.8 Percentage Equivalence of Grade Points (on 10 Point Scale)

The Equivalence of SGPA and CGPA with the percentage of marks to be considered for equivalence in the conventional system for students coming from VTU colleges to autonomous colleges is as follows:

Conversion of Grade Point into equivalent % of Marks= (Grade Point) x 10

6.9 Not Fit for Technical Education (NFTE)

A student who is not able to obtain eligibility for third semester even after three academic years will be declared 'Not fit for Technical Education'. However, such a student can rejoin B.E in the college as a fresh student to the first year.

7. Graduation Ceremony

- A. The college will have its own annual Graduation Ceremony for the award of Provisional Degrees to students completing the prescribed academic requirements in each course of study, in consultation with the University, as per the provisions in the Statutes.
- B. Certificates, Prizes, Medals and Ranks to the meritorious graduating students will also be issued during the Graduation Ceremony.

C. Award of Class at degree level:

The degree shall be awarded to the candidates who have passed all the stipulated courses from 1st to 8th semesters. In case of lateral entry, candidates should have completed all the courses including mandatory courses from 3rd to 8th semesters.

1. A candidate will be declared to have obtained First Class with Distinction if the student has passed in all courses in one / multiple sittings and secured not less than 7.00 CGPA.
2. A candidate who has passed in all the courses in one / multiple sittings securing not less than 6.00 CGPA but less than 7.00 CGPA shall be declared to be eligible for the award of BE Degree in First Class.
3. A Candidate who has passed in all the courses securing not less than 5.00 CGPA but less than 6.00 CGPA shall be declared to be eligible for the award of BE degree in Second Class.

D. Award of Ranks:

1. Rank shall be awarded to a maximum of 10% of the approved student intake. However, the maximum number of ranks awarded shall not exceed 10 and not less than 5 in each program.

2. Student appearing for Make-Up/ Supplementary/ Readmission and any subsequent examinations in any credit or audit course /courses during the program shall not be eligible for the award of Ranks.
3. Only students who complete the program in four consecutive years for B.E (regular students), three consecutive years for B.E (lateral entry diploma students) are eligible for consideration for the award of ranks.
4. For the award of rank for B.E students, CGPA shall be calculated from 1st to 8th semester and in the case of lateral entry diploma students CGPA shall be calculated from 3rd to 8th semester.
5. The basis for declaring the rank shall be the CGPA (without gracing) in the descending order of merit from the highest CGPA.
6. CGPA shall be calculated to the second decimal position.
 - I. Students with CGPA of ≥ 6.00 (Equivalent to First Class) or above are eligible for consideration for rank.
 - II. If two students get the same CGPA, the tie shall be resolved by considering the number of times a student has obtained higher SGPA; if it is not resolved even at this stage, the number of times student has obtained higher grades sequentially from O to B+ till the tie is resolved. If the tie is still unresolved, the students with similar CGPA will be awarded the same rank.

8. B.E Honours Regulations:

These Regulations governing the award of 'Honours' at B.E. / B.Tech., degree programmes have been framed in pursuance of the provisions for this qualification in AICTE model curriculum for undergraduate programs in Engineering and Technology, Vol. I and II, January 2018 and in the UGC Notification on the Specification of Degrees, March 2014. These provisions aim at facilitating the award of higher qualifications and recognition to well-performing undergraduate students of the VTU on their acquiring additional credits in the same time period for the programs. In adopting these provisions, the VTU has taken steps to ensure that the quality and standard of the Degree awards are not compromised in any way and they continue to be maintained at a high level.

Note: Please Refer to the VTU B.E / B.TECH REGULATIONS HONOURS

<https://vtu.ac.in/en/b-e-b-tech-regulations-honours/>

9. B.E Minors Regulations:

To enhance employability skills and impart deep knowledge in emerging areas that are usually not being covered in the Undergraduate Degree credit framework, AICTE has come up with the concept of 'Minor Degree' in emerging areas. The concept of a Minor Degree is discussed in the Approval Process Handbook (APH) for the academic session 2022-23- page no. xxiv issued by AICTE. A minor Degree will carry 18 to 20 credits in addition to the credits essential for obtaining the Under Graduate Degree in Major Discipline (i.e. 160 credits for regular students and 120 credits for lateral entry students). The Bachelor of Engineering /Bachelor of Technology (B.E./B. Tech.) with Minor program focuses on the fundamental principles of multiple Engineering disciplines, critical & analytical thinking, and the ability to develop a distinctive approach to interdisciplinary problems.

Note: Please Refer to the VTU B.E / B.TECH REGULATIONS MINORS

<https://vtu.ac.in/wp-content/uploads/2022/11/notification-Minor-Regulations-1.pdf>

10.0 Mandatory Courses (Physical and Cultural activities)

Mandatory Courses (Physical and Cultural activities)		
National Service Scheme (NSS)/ Physical Education (PE)/ Yoga (YO)/Cultural Activities (CA)		
Assessment Plan		
CATEGORY	MARKS (RANGE)	PHYSICAL AND CULTURAL ACTIVITIES
L1	90 (90-100)	- Winning certificates / at International / National / Zonal Level Competitions - Representing State & Zonal level teams
L2	80 (80-89)	Winning certificates / state Level Competitions. Representing VTU team.
L3	70 (70-79)	Winning certificates Inter-Collegiate competitions. Representing College team.
L4	60 (60-69)	Winning certificates at the college level events
L5	50 (50-59)	- Winning certificates at Departmental events - Coordinators – Blood Donations (Volunteers)
L6	40 (40-49)	Participation in Inter-Collegiate/College level events / Blood Donation / NGO / Personality development Programs
Student should produce participation certificate for clearing this mandatory course.		

11. Conduct during Examination

- a. Only one main answer book will be issued and normally no additional books are permitted.
- b. The candidate should write his / her seat number and give other information like examination, semester, subject, subject code etc., against the space provided on the title page of the answer book.
- c. The candidate shall not write his / her name / USN or put any identification mark inside any part of the answer book apart from the specified place, which may disclose his / her identity which will be treated as malpractice and liable for penalization.
- d. The question numbers should be mentioned in the margin only
- e. The candidate shall write answers on both the sides of sheets of the answer book. All rough work must be done in the space provided at the end of the answer book. Answers must be written using black ink.
- f. Answer book should be handed over personally to Room Superintendent before leaving the examination hall.
- g. No candidate shall be permitted to go to toilet during the period of examination.
- h. The candidate should not take any books / notes, log table, scribbling pads, cell phones, programmable calculators, pen drive, or any kind of reference material into the examination hall. The candidate should make sure that he / she has no unauthorized book or paper in the examination hall with him /her or in his / her desk. He/she should have only articles permitted like Identity Card, Hall Ticket /Admission Ticket. The candidate should not write anything on the Admission Ticket or Identity Card or Calculator and should not have any writings other than officially printed.
- i. A warning bell will be given 10 minutes before the commencement of the examination when all the candidates should take possession of their seats, another bell will be given at the beginning of the examination when question papers will be distributed and the students should start writing the answers. No candidates shall be admitted 30 minutes after the commencement of the examination and also shall not be allowed to leave the examination hall before 45 minutes since the commencement of the examination. No candidate should leave his/her seat during last 10 minutes. Warning bell will be given 10 minutes before the closing time and final bell is given at

the end of the examination. Then all the candidates should stop writing or revising the answers and should handover the answer book to the Room Superintendent.

- j. The candidates should see that, the Room Superintendent has appended his / her signature at the specified space on the answer book as and when he / she receive the answer book.
- k. Smoking and taking tea or coffee or cold drink in the examination hall is strictly prohibited. However, drinking water will be supplied on request.
- l. Any candidate appearing for the examination is liable to be charged with committing Malpractice in the following cases:
 - i. Bringing in the examination hall or being found in possession of portions of a book, manuscript, Cell phones, Programmable Calculator, Pen Drive or any other material or matter.
 - ii. Having any written matter on scribbling pad, Question Paper, Admission Ticket, Calculator, Palm, Hand, Leg or any part of the body, Hand Kerchief, Clothes, Socks, Instrument Box, Identity Card and Scales etc.
 - iii. Disclosing identity by writing any words or by making any peculiar marks or by writing USN on the pages other than the space provided for USN entry is prohibited.
 - iv. Copying from the material or matter or answer of another candidate or similar aid or assistance rendered to another candidate within the Examination Hall.
 - v. Communicating with any candidate or any other person inside or outside the examination hall with a view to take assistance or aid to write answers in the examination.
 - vi. Making any request of representation or offers any threat for inducement or inducing to bribery to Room Superintendent or any other official or officer of the college for favors in the examination hall or to the Examiner in the answer script.
 - vii. Smuggling out or smuggling in or tearing off of the answer script sheets or supplementary sheets or inserting papers written outside the examination hall into the answer book or running away along with the answer script from the examination hall or premises.
 - viii. Impersonating or allowing any other person to impersonate to answer in his / her place in the examination hall.
 - ix. Supply of copying material inside or from outside the examination hall.

- x. Unruly behavior inside or near the examination hall.

12. Disciplinary Measures

12.1 Ragging

Ragging which is a social evil can cause an ill effect on the student community. This may have a psychological and physical effect on a student. There is no Ragging at DSCE campus as the administration has taken several steps to curb ragging and indiscipline. With Reference to clause (g) of sub - section (I) of Section 26 of the University Grants Commission Act, 1956 and AICTE notification vide curricular F. No. 37- 3/legal /AICTE/2009 dated 25/03/2009, all regulations will be followed strictly in the Institution to root out ragging in all its forms.

12.1.1 Ragging constitutes one or more of the following acts

- a. Any conduct by any student or students whether by words spoken or written or by an act which has the effect of teasing, treating or handling with rudeness a fresher or any other student.
- b. Indulging in rowdy or undisciplined activities by any student or students which causes or is likely to cause annoyance, hardship, physical or psychological harm or to raise fear or apprehension thereof in any fresher or any other student.
- c. Asking any student to do any act which such student will not in the ordinary course do and which has the effect of causing or generating a sense of shame, or torment or embarrassment so as to adversely affect the physique or psyche of such fresher or any other student.
- d. Any act by a senior student that prevents, disrupts or disturbs the regular academic activity of any other student or a fresher.
- e. Exploiting the services of a fresher or any other student for completing the academic tasks assigned to an individual or a group of students.
- f. Any act of financial extortion or forceful expenditure burden put on a fresher or any other student by students.
- g. Any act of physical abuse including all variants of it: sexual abuse, homosexual assaults, and stripping, forcing obscene and lewd acts, gestures, causing bodily harm or any other danger to health or person.

- h. Any act or abuse by spoken words, emails, posts, public insults which would also include deriving perverted pleasure, vicarious or sadistic thrill from actively or passively participating in the discomfiture to fresher or any other student.
- i. Any act that affects the mental health and self-confidence of a fresher or any other student with or without an intent to derive a sadistic pleasure or showing off power, authority or superiority by a student over any fresher or any other student.

12.2 Sexual Harassment / Exploitation

This may have a psychological and physical effect on a student such incidents will be reported to the nearest police station and action may be taken as per the law.

Punishments:

Actions to be taken on students who indulge in ragging, sexual harassment/exploitation are:

- a. For every single incident of ragging, sexual harassment / exploitation, a First Information Report (FIR) will be filed without exception by the institutional authorities with the local police authorities (Kumaraswamy Layout Police Station, Bangalore)
- b. Depending upon the nature and the gravity of the offence as established, the possible punishments for those found guilty of ragging shall be any one or any combination of the following:
 - 1. Cancellation of admission.
 - 2. Suspension from attending the classes.
 - 3. Debarring from appearing in any test / examination or other evaluation process.
- c. Suspension / Expulsion from the hostel. Rustication from the Institution for period of 4 semesters.
- d. Expulsion from the Institution and consequent debarring from admission to any other Institution.
- e. Collective punishment: when the persons committing or abetting the crime of ragging are not identified, the Institution shall resort to collective punishment as a deterrent to ensure community pressure on the potential raggers.

12.3 Campus Discipline

- 1. The students shall not assist or even associate himself/ herself in any activities which disturbs or is likely to disturb the peace and smooth working of the Institution.

2. The students shall follow all the rules and regulations laid down by the college authorities / management from time to time.
3. **Students should follow the prescribed dress code of DSCE while in the campus and have to wear ID card issued by the College.**
4. Unsocial activities like ragging in any form shall not be permitted within or outside the premises of the Institution and the students found indulging in them shall be dealt with severely and dismissed from the Institution.
5. The following additional acts of omission and /or commission by the students within or outside the premises of the college shall constitute gross violation of code of conduct which is punishable.
 - *Lack of courtesy and decorum, as well as indecent behavior.*
 - *Willful damage of property of the Institution / Hostel or fellow students.*
 - *Possession, consumption or distribution of alcoholic drinks or any kind of hallucinogenic drugs, smoking.*
 - *Mutilation or unauthorized possession of library material, like books.*
 - *Hacking in computer systems (such as entering into other persons' area without prior permission, manipulation and / or damage of computer hardware and software or any other Cyber - Crime etc.).*
 - *Use of Mobile in the college academic area.*
 - *Unauthorized fund raising and promoting sales.*
 - *Any other activity considered by the college as a gross indiscipline.*

In each case above, the punishment shall be based on the gravity of offence covering from reprimand, levy of fine, expulsion from Hostel, debar from examination, rustication for a period, to outright expulsions.

The reprimanding authority for an offence committed by students in the Hostels and in the Department or the class room shall be respectively, the Warden of the Hostels and the Head of concerned Department.

Important Note:

These regulations may get revised / amended from time to time based on the approval by the Academic Council and the Governing Body and shall come into force then on and shall be binding on the students, faculty, staff, all authorities of DSCE and others concerned.

Failure to read and understand the Regulations is not an excuse.

13. FAQs about Autonomy

a. What is autonomy?

Autonomy is the freedom granted to select institutions of high standing and repute to develop the curriculum based on the needs of the industry. It is a privilege conferred to an Institution by the VTU/UGC to have independent academic role such as the design of curriculum and Evaluation/Assessment (Conduct of examination). The system is more flexible, robust, precise, and transparent

b. What is the difference between autonomous and non-autonomous institutions? Autonomous colleges have the freedom to design the curriculum and impart education by providing latest trends to suit to the Industry requirement.

c. How are students benefitted in an autonomous system?

In an autonomous institution curriculum is structured in consultation with the industry considering the core competencies a student needs to have. Students have freedom to decide on the subjects selected for study in a semester. A wide choice of professional electives is provided to enhance competencies. The evaluation system comprises of two components: Continuous Internal Evaluation [CIE] and Semester End Examination [SEE]. The evaluation system is more comprehensive compared to the traditional system.

d. Is the degree obtained in an autonomous system recognized by all companies?

Yes, the degree is awarded by the Visvesvaraya Technological University, Belgaum, which is recognized by all.

e. What is a credit?

One hour of course work in theory is referred to as one credit for one hour/week/semester. Two hours of course work in practical/tutorials is referred to as one credit for one hour/week/semester.

f. How to register for a course?

The course registration form will be available in the department and should be filled at the beginning of each semester under the guidance of faculty advisor (Proctor)/HOD. The filled- up form should be submitted in respective departments.

g. Who is a Proctor?

Proctor is a Faculty advisor assigned by the concerned department and advises the student on all academic and career aspects until the student completes his/her studies in the college.

h. Can a student register after last date?

Students are strictly not allowed to register after the last date. If the student fails to register on or before the last date, he/she may register for next semester / year subject to eligibility as per the regulations.

i. What is the maximum and minimum number of credits allowed in a semester?

In any semester, a minimum of 18 credits is to be registered while the maximum credits are 26. Normally on an average, 20-22 credits are assigned per semester.

Training & Placement Department

The Training and Placement department is provided with a well-equipped Auditorium/ Seminar Hall for pre-placement talk, well-furnished rooms for training, interviews and counselling. The Placement department coordinates with the recruiting companies and handles the entire end to end placement process.

Placement Training activities

- The Training and Placement Cell is also committed to enhance the employability skills of the students by organizing following training programs.
- Organizing Aptitude training programs to enhance quantitative, verbal, logical & reasoning skills
- Organizing soft-skills training to improve the student's personality, Confidence level, Public Speaking skills, Conducting Mock Interviews, Group discussions.
- Organizing subject/domain specific Technical Skills Training by Experts. Career counselling for pursuing higher studies.
- Organizing entrepreneurship development programs to motivate the Students to become Entrepreneurs.

Training modules delivered

Goal-setting, Personality traits, Staying Positive, Self-motivation, Self-awareness, Learning skills, Effective communication skills, Time management, Interpersonal skills, Personal grooming, Emotional quotient, Body language, Human Relation, Creativity, Customer Relations Management, Team building, Problem solving and decision-making, Leadership.

skills, Public Speaking, Presentation skills, Negotiating skills, Self- management Cross-culture – communication and Corporate Culture, Interview / GD skills, Finance for Non – Finance, Sales training, Business etiquette, Managing stress etc.,

Placement Department:

Dayananda Sagar College of Engineering has been working with many Companies for more than three decades for Students Internships and Placements. More than 300+ Companies have been visiting us every year for Campus Placements. We have signed MOU with more than 100+ Companies for helping students with projects Internships Industrial visits / Research / Placements. We have been achieving record placements over the years.

The Placement Cell coordinates with recruiting companies and handles the entire end to end placement process.

Students are eligible to attend the campus placement during 6th /7th Semester.

Placement Policy:

1. Students should follow the eligibility criteria & guidelines issued from the placement officetime to time.
2. Students are allowed to have offers as detailed below. (Following is the current placementpolicy, Future, if any changes in the policy will be updated)

Salary Range	Number of offers allowed
Up to to 7 LPA	Only 1
Above 7 LPA to 20 LPA	Only 1
Above 20 LPA	Only 1

- ❖ Non IT students can have 1 IT and 1 Core offer.
- ❖ For Internship offer- Only unplaced students will be allowed.

Once the student is placed in a Company through the Campus / Pool Campus Drive/ Off Campus drive, Student can't participate in any other companies with the same CTC range, unless it is notified by the Placement office as Core Company/ Dream Offer etc.,

It is hereby informed to all the students to prepare on the following to excel in campus selection.

1. Students must make use of the NeOPAT platform to practice Aptitude/ Coding tests.(Account will be activated during 6th Semester)
2. Students to Solve Aptitude (Quantitative & Reasoning) Questions / Take online tests to improve your skills.
3. Improve programming skills using online coding platforms. (Hacker Rank, HackerEarth,Codechef etc.).

4. Students who are weak in English communication skills are informed to improve Communication skills to excel in the interview. (Group discussion, Technical & Personal rounds)
 5. Students prepare on core technical subjects before attending any campus placements to excel in technical rounds.
 6. Read newspapers / Watch News channels & be aware about current affairs of national & global. (Helps to excel in GD)
 7. Practice GD among your friends.
 8. Do a certification course on the latest Technology on your domain.
 9. Be well versed with online platforms like zoom, Microsoft team, google meet as some interview processes will be conducted virtually.
 10. Students must have a laptop with a webcam with the latest configuration. Good internet bandwidth, Battery backup to take the Online tests / Virtual interviews from home.
 11. Students are informed not to indulge in malpractice during the online test.
 12. Students should not take any one's assistance during the virtual interview.
 13. Students must be seated in a room where there will not be any kind of disturbance. While taking the test or interview you should be alone in the room.
 14. Students who are not having PAN CARD, AADHAR CARD, VOTER ID and PASSPORT, kindly apply and get the same before you complete 4th Semester. To register for a few companies, the above documents are mandatory.
 15. Each student must have a college id card, Photo should be visible properly in the Id card and if damaged (your college id card), kindly apply and get a new id card from the ID card section in the Heritage building.
 16. During Online test or Interview process do not help your friends. (It will be considered as malpractice)
 17. During online test or interview process do not use ChatGpt, you will be debarred from the campus placements.
 18. For every campus drive online test or full process students must wear formal dress only.
 19. Any doubts / clarifications feel free to contact Placement department @ 1st Floor, Heritage building, Room No. 103.
- Hope you will enjoy your 4 years Engineering course journey @ DSCE.

Wishing you all the best!!!

For all Official Information, Contact:**Dr. Joseph C M**

Professor & Head - Department of Physics

Dr. Radha GuptaProfessor & Head - Department of Mathematics
(First Year Academic Coordinators)**Address:**

First Year Office

Building No: 13

Ground Floor, Business Block, Contact No.: 080
42161763**Dr. Anantharaju K. S.**

Controller of Examinations

Professor & Head - Department of Chemistry

Address:

COE's Office

Building No: 14

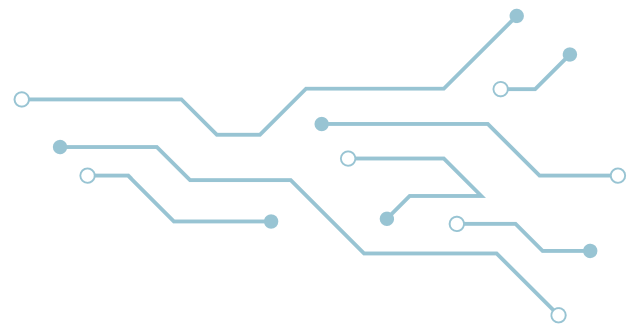
First Floor, Architecture Department Block

Contact No.: 080 42161770



Bachelor in Engineering

- ♦ Computer Science & Engineering
- ♦ Information Science & Engineering
- ♦ Artificial Intelligence and Machine Learning
- ♦ Computer Science & Design
- ♦ Computer Science & Business Systems
- ♦ Computer Science & Engineering (Cyber Security)
- ♦ Computer Science & Engineering (Data Science)
- ♦ Robotics and Artificial Intelligence
- ♦ Computer Science & Engineering (Internet of things and Cyber security including Block chain technology)
- ♦ Electronics & Communication Engineering
- ♦ Electrical & Electronics Engineering
- ♦ Electronics & Instrumentation Engineering
- ♦ Electronics & Telecommunication Engineering
- ♦ Medical Electronics Engineering
- ♦ Aeronautical Engineering
- ♦ Automobile Engineering
- ♦ Mechanical Engineering
- ♦ Biotechnology
- ♦ Chemical Engineering
- ♦ Civil Engineering



Post Graduation

- ♦ Master of Business Administration (MBA)
- ♦ Master of Computer Application (MCA)
- ♦ STRUCTURAL ENGINEERING
- ♦ HIGHWAY TECHNOLOGY
- ♦ VLSI DESIGN AND EMBEDDED SYSTEMS
- ♦ COMPUTER SCIENCE AND ENGINEERING

PhD Courses in various departments

(VTU approved Research centers) with facilities for research in emerging and thrust areas under the guidance of VTU approved Supervisors.

