

DAYANANDA SAGAR COLLEGE OF ENGINEERING

An Autonomous Institute Affiliated To Visvesvaraya Technological University, Belagavi.

Approved by AICTE & ISO 9001-2008 Certified

Accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade



Student Hand book



Regulations for
B.E/ B.Arch/M.Tech/MCA/MBA Degree

2016-17



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.

Values

The values that drive DSI and support its vision:

- 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 joined the program to 2 nd year after completing diploma

1 Profile of the Institution

Dayananda Sagar Institutions having a successful track record of six decades catering to the professional education needs of over 17,000 students coming from all over India and across the globe.

1.1 Founder

Shri R. Dayananda Sagar, Founder President of DSI, was a great educationist who worked for the good of the community. He received his fellowship from the Royal College of Economics and was a Barrister from the Gray's Inn - a prestigious University in England, whose list of alumni includes the great Mahatma Gandhi and Sardar Vallabhai Patel, among others. In memory of the Father of the Nation, Sri R. Dayananda Sagar founded the Mahatma Gandhi Vidya Peetha Trust, which today runs more than twenty-two institutions ranging from primary to doctoral levels offering 100+courses spread over Science, Arts, Commerce, Management, Information Technology, Engineering, Dentistry, Pharmacy, Nursing and Physiotherapy. The healthcare and educational activities have attained a global brand status bringing pride to Bangalore. These services employ close to 5,000 professionals and an equal number of support staff impacting the lives of large sections of society, year after year.

Late **Smt. Chandramma Sagar**, wife of the founder, was a Doctor by profession – a triple FRCS from London, Edinburgh and Glasgow. She was in the Panel of Doctors for the President of India.

1.2 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 surgeon with hands on experience of several decades, is Chairman of the Dayananda Sagar Institutions (DSI), Sagar Hospitals and Sagar Group of Companies. With this rich background he has successfully given a new dimension of service to humanity.

Dr. D. Premachandra Sagar - Vice Chairman, DSI

Dr. D. Premachandra Sagar, a voracious reader and an excellent orator, has played a key role in identifying opportunities in the education and healthcare sectors. He worked closely with the Chairman to start a major initiative for the Group to launch hospitals in the State. Sagar Hospitals has combined bed strength of 700+ supported by a network of hospitals, clinics and pharmacies across Bengaluru city and in the Gulf region.

Due to his efforts, Dayananda Sagar College of Engineering (DSCE) is today credited as a centre of excellence and is one of the largest engineering colleges in India offering all major programs.

1.2.1 About DSI

Dayananda Sagar Institutions (DSI) is characterized by the quality of education across a broad range of disciplines from Pre-University courses to Post-Graduation and Doctoral Programs covering Arts, Commerce, Sciences, Pharmacy, Engineering, Dental Sciences, Biological Sciences, Nursing, Allied Health as well as Business Management and Information Technology.

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

1.3 About DSCE

Dayananda Sagar College of Engineering (DSCE), which was established in 1979 with the basic courses of Civil, Mechanical, Electrical and Electronics Engineering, is one of the leading premier institutes providing quality education in wide range of disciplines. DSCE is accorded with Autonomous status by VTU/UGC from 2015-16. DSCE offers undergraduate programs leading to Bachelors and Master degree of the Visvesvaraya Technological University in various streams.

It is accredited by National Assessment and Accreditation Council (NAAC) with 'A' Grade.

1.3.1 Campus

DSCE is located in a sprawling campus of over 29 acres providing a serene learning atmosphere. There are landscaped gardens, trees lined pathways, and student rest places, amphitheater, parking lot. Entire campus is WIFI enabled. There are playgrounds and indoor sports facilities to boost physical activity.

Facilities

- **The Central Library** serves the reference and study needs of students in the campus. Its 127,000 books represent a good and well-researched collection of top quality books. Technical journals of a wide range and from all parts of the world are well stocked. The library annex has digital library, is a member of National Digital Library (NDL) and ensures new features adding more space and ambience. Computers with hi-speed internet facilities and photocopying facilities make up for good add-on features in the library complex that is manned by professionally qualified personnel.

- **The laboratories** are state of the art and match the needs of all disciplines and specialties. An interesting feature of the labs is that one can see the evolution of each department with the labs having a full range of equipment that reflect the inception to the trends under each specialty.

1.3.2 Students Activities

Apart from academics, the students of DSCE are involved in **Co and extra-curricular activities and student collegiate clubs**. The most notable ones are mentioned below. The clubs, each separately conduct a full calendar of events including industrial visits, the annual Entrepreneurship Week Celebrations, workshops, Tech-Talks, CEO-Connect programs, etc.

The gist of the various professional bodies / chapter working for this kind of activities are mentioned below

- Institute of Electrical and Electronics Engineers (IEEE)
- The Indian Society for Technical Education student chapter (ISTE)
- Computer Society of India (CSI)
- Institution of Electronics and Telecommunication Engineers (IETE)

- International Society of Automation (ISA)
 - Instrument Society of India student chapter (ISOI)
 - United Nations Principles for Responsible Management Education (UN-PRME)
 - Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)
 - The Institute of Indian Foundry men (IIF)
 - Indian Concrete Institute student chapter (ICI)
 - Indian Water Works Association (IWWA)
 - Institution of Public Health Engineers (IPHE)
 - American Society of Civil Engineers (ASCE)
 - Value Engineering Society (VES)
 - MSME Govt. of India (MSME)
 - Indian Institute of Chemical Engineers (IICE)
 - Engineering Physics Club (EPC)
 - Association of Microbiologists of India - Bangalore Chapter (AMI)
- Dr. D. Premachandra Sagar Centre for Performing Arts is an ultra-modern auditorium with 700-seat capacity with facilities of green room, rehearsal rooms and food court. It hosts many college events and cultural events.
- Sports: A football/cricket field, tennis court, basketball court, squash court, ultra-modern gymnasium are in the campus, apart from a host of other facilities for indoor and outdoor games.

Research facilities and Industry Interaction

Research forums are one of the main thrust of Dayananda Sagar College of Engineering. Research projects from DST, AICTE, DBT and DRDO have been granted to departments of DSCE. Students are encouraged to publish research articles in national and international forums. Research internships are made available to students.

Industry Institute Interface DSCE believes in the concept of bringing in close interaction of Industry Experts and academicians by bridging the gap between Industry & Academia. DSCE has entered MOU with AUTODESK, FKCCI, Fe-N-Fe Metallurgicals, Rapsri Industries, IBM, HCL etc. Lot of academic activities are conducted with Industry Experts taking active role in

mentoring students of DSCE through Project Works, Internships, Industry Visits, Technical Training, Hands on Experience sessions etc.

Placements

DSCE has an elite placement division to facilitate the placements for all students. The Centre provides pre-placement training in soft skills to all students to enable them to apprise to the modern corporate requirements in association with CIL - Centre for Innovation & Leadership. The Placement Division also supports training in CV Writing, Aptitude Assessment, Mock interviews, Group Discussion etc.

Internship opportunities in various companies will be provided for interested UG/PG students. DSI is committed to provide best talent for corporate. The Placement division works with Corporate to build the overall Development of Students as per industry requirements.

No of Students placed:

- 2012-2013: 903
- 2013-2014: 915
- 2014-2015: 1497
- 2015-2016: 1579

List of few Recruiting Partners

Infosys, HCL, Accenture, IBM, WIPRO, Mercedes Benz, SASKEN, Tech Mahindra, Mahindra Satyam, NOKIA, TESCO, Novell Software Ltd., Cap Gemini, I Gate, HP, Mphasis, Volvo, ICICI, KPIT, HSBC, Thomson Reuters, D-Link, Oracle, SBI Life, ITC InfoTech, TCS, Fire Pro systems, Mindtree, Deloitte, Cognizant, Honeywell, Biocon, Soma Constructions, KNK, LG Soft, Huawei, Patni Computers, Microsoft, Adobe, Future Group, L & T InfoTech, ERNST & YOUNG, KPMG, Deutsche Bank, Aviva, Kotak Securities, Standard Chartered Bank, AMADA-Japan, Wipro InfoTech, Godrej, Altair, ICICI Securities & Many More.

1.4 Academic Programs Offered

Undergraduate Programs

Sl No	Program
1	B.E in Aeronautical Engineering
2	B.E in Automobile Engineering
3	B.E in Biotechnology
4	B.E in Chemical Engineering
5	B.E in Civil Engineering
6	B.E in Computer Science and Engineering
7	B.E in Construction Technology and Management
8	B.E in Electrical and Electronics Engineering
9	B.E in Electronics and Communication Engineering
10	B.E in Electronics & Instrumentation Engineering
11	B.E in Industrial Engineering and Management
12	B.E in Information Science and Engineering
13	B.E in Mechanical Engineering
14	B.E in Medical Electronics
15	B.E in Telecommunication Engineering
16	B.Arch in Architecture

Post-Graduate Programs

Sl No	Program
1	M.Tech in Bioinformatics
2	M.Tech in Biomedical Signal Processing & Instrumentation
3	M.Tech in Chemical Engineering
4	M.Tech in Computer Integrated Manufacturing
5	M.Tech in Computer Network Engineering
6	M.Tech in Computer Science & Engineering
7	M.Tech in Design Engineering
8	M.Tech in Digital Communication & Networking
9	M.Tech in Digital Electronics & Communication
10	M.Tech in Highway Technology

- 11 M.Tech in Master of Engineering & Management
- 12 M.Tech in Micro Electronics & Control Systems
- 13 M.Tech in Power Electronics
- 14 M.Tech in Structural Engineering
- 15 M.Tech in VLSI Design & Embedded Systems
- 16 Master of Business Administration (MBA)
- 17 Master of Computer Applications (MCA)

Doctoral programs

Ph.D / MSc (Engg.) by Research is available in the following departments:

SI No	Department
1	Aeronautical Engineering
2	Architecture
3	Automobile Engineering
4	Biotechnology
5	Chemical Engineering
6	Chemistry
7	Civil Engineering
8	Computer Science Engineering
9	Construction Technology & Management
10	Electrical and Electronics Engineering
11	Electronics & Communication
12	Electronics & Instrumentation Engineering
13	Industrial Engineering and Management
14	Information Science & Engineering
15	Master of Business Administration
16	Master of Computer Applications
17	Mathematics
18	Medical Electronics
19	Mechanical Engineering
20	Physics
21	Telecommunication Engineering

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 Q.E. 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 minimum of 45% marks in the optional subjects in the Q.E (40% of marks in Q.E in case of SC, ST & OBC Category candidates) for eligibility. The marks obtained by the candidate in Biotechnology / Computer Science / Biology / Electronics in the Q.E., 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.

2.1.1 Eligibility for admission under Government quota

The SC/ST/OBC eligibility criteria are applicable to persons of Karnataka origin who are claiming eligibility for Government Seats. (Source: CET Brochure: 2015-16).

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 <http://kar.nic.in/cet>

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

Students with Diploma qualification 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.

- a) A student who is admitted directly to Second year under lateral entry scheme shall complete all the courses with 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.
- b) The student shall pass the mandatory courses as specified in the scheme compulsorily before the award of Degree.

- c) The student has to earn a total of 150 credits
- d) The student shall have to compulsorily pass the bridge courses and non-credit mandatory courses offered before being considered for award of B.E Degree.

2.1.3 Program Duration

- a) The total duration of an academic program is – 4 Years for B.E., 3 Years for the students who join B.E. under the lateral entry scheme and 5 years for B.Arch.
- b) The duration for Post-Graduation course like M.Tech, MBA is 2 years and MCA is 3 years.
- c) The maximum period which a student can take to complete a full time academic Bachelor program in case of B.E. is Eight (8) years and in the case of B.Arch. is Ten (10) years. For M.Tech, MBA maximum period is (4) years and for MCA it is six (6) years.

2.1.4 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 has successfully cleared all the subjects of I and II Semesters. These transfers are on merit and subject to availability of vacant seats in programs to which transfer is sought for. 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 Institute may admit students from other Institutes / 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 and will be governed by the transitory rules and regulations of the Institute.
- 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 Council for that program.

3 Academic Planning

- The curriculum is designed as per outcome based education (OBE) and shall include General Engineering subjects, Basic Science, Humanity and Social Sciences, Core Professional Engineering, 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.
- There shall be an equal emphasis on theory and Practical / laboratory.
- 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.
- Exclusive Project Works are also included in the curricula.
- Many interdisciplinary subjects & open or global electives are also offered. Continuous Internal Evaluation (CIE) includes Internal Assessment Tests, assignments and Alternate Assessment Tools (AAT).

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 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 of joining.
- 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 25 credits per semester with its minimum and maximum limits being fixed at 20 and 30 credits respectively will be allowed as per the recommendation of BOS and Academic Council.
- e) The number of credits is clearly defined in the scheme of study. All the students of B.E / B.Arch, MBA, MCA, M.Tech. are required to compulsorily register for all the courses prescribed for each semester.
- f) Dropping of Courses: Within one week after the last date of first internal assessment test, the student may in consultation with his / her faculty advisor / proctor drop one or more

courses without prejudice to the minimum number of credits. The dropped courses are not recorded in the Grade Card.

- g) Withdrawal from Courses: A student may opt to withdraw from a course after the announcement of Final CIE but before the last working day as per the calendar. However, such withdrawals will be permitted without prejudice to the minimum number of credits as specified only after it is reviewed by Academic Monitoring Committee.
- h) Course Coordinator / Proctor / Counselors will monitor the student's CIE performance; take further steps to advise the student accordingly. As a follow up of this, 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 20 and maximum of 30 credit limits in the successive semesters based on faculty advice and on their performance in CIE & SEE in the preceding semester and of CIE in the current semester.
- i) Outstanding students can accelerate the rate of accumulation of credits by registering up-to the maximum of 30 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.
- j) If a student wishes to reject the result of a subject or withdraw a subject to score more marks, he / she can take up the subjects in fast track semester.

3.2 Attendance Requirement

- a) Each semester is considered as a unit and the candidate has to put in a minimum attendance of 85% in each course with a provision of condoning 10% of the attendance by the Principal 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 Fast Track Semester.
- b) The basis for the calculation of the attendance shall be the period prescribed by the Institution through its calendar of events. For late admission / transfer of students from other

Institutes/Universities the date of admission to the BE / B.Arch / PG courses would be considered for the calculation of attendance.

- c) 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.
- d) If a student does not fulfill the attendance requirements in any subject, he / she is not permitted to attend the Semester End Examination.

e) Temporary Break of Study from the Program:

- i) A candidate is normally not permitted to break the study. However, if a candidate intends to temporarily discontinue the program in the middle for valid reasons (such as accident or hospitalization due to prolonged ill health) and to rejoin the program in later respective semester, he / she shall apply to the Principal in advance. Such application shall be submitted before the last date for payment of examination fee of the semester in question and forwarded through the Head of the Department stating the reasons for such withdrawal together with supporting documents and endorsement of his / her parent / guardian.
- ii) The institution shall examine such an application and if it finds the case to be genuine, it may permit the student to temporarily withdraw from the program. Such permission is accorded only to those who do not have any outstanding dues / demand at the college / University level including tuition fees, any other fees, library materials etc.
- iii) The candidate has to rejoin the program after the break from the commencement of the respective semester as and when it is offered.
- iv) The total period for completion of the program is reckoned from the commencement of the semester to which the candidate was first admitted and it shall not exceed the maximum period specified. The maximum period includes the break period.
- v) If any candidate is detained for any reason, the period of detention shall not be considered as 'Break of Study'.

3.3 Semester Scheme

Each academic year is divided into two main semesters and one fast track semester with their calendar, duration and academic activities fixed in advance by the College, in consultation with the University.

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

Breakup of Academic Year into Semesters

No. of semesters	There are two main semesters (Odd and Even) and one Fast track semester per Academic Year
Semester Duration	Main Semester is of 19 Weeks each and Fast Track Semester is of 8 Weeks
Academic Activities (Break up in weeks)	<p>Registration for course- First day</p> <p>Course work - Sixteen weeks from the starting date of registration</p> <p>Examination Preparation- One week</p> <p>Examinations- One week</p> <p>Declaration of Results- One week</p> <p>TOTAL: 19 Weeks each.</p> <p>Fast Track Semester</p> <p>Registration of courses- First day</p> <p>Course work – Six weeks from the date of starting of registration</p> <p>Examination Preparation – Three days</p> <p>Examination- Three days</p> <p>Declaration of Results – Three days</p> <p>TOTAL: Seven Weeks.</p> <p>Inter-Semester Recess:</p> <p>After each main semester two weeks.</p> <p>After Fast Track semester one week.</p> <p>(NOTE: In each semester, there will be a provision for students to Register for courses at the beginning, Dropping of Courses in the middle and withdrawal from courses towards the end, at least one week before the commencement of SEE, as per the advice of the counsellor. These facilities are expected to enhance the learning capabilities of students, minimizing their chances of failure in the courses they have registered. However, this provision is not available in I and II semesters)</p>

Examinations	Continuous Internal Evaluation (CIE) and Semester End Evaluation (SEE) Examinations - both will have equal weightage in the student's performance evaluation 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. This will help the students to decide on Dropping of subjects or Withdrawal from subjects in consultation with their counselor/ course coordinator/ proctor.)
Academic Calendar	The calendar of events for each academic year will be announced for odd semester, even semester and subsequent Fast track semester before the beginning of each academic year.

Credit System:

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

- Theory course (L), conducted for 1 hour / week / semester as one credit.
- Tutorials (T): 2 hours / week / semester as one credit.
- Laboratory course or tutorial, conducted for 2 hours / week / semester as one credit course.
- Self-Study (SS) component in a course, for 4 hours / week / semester as one credit.

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

Credit Structure:

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

Lecture (hrs/wk /sem)	Tutorials (hrs/wk /sem)	Lab. Work (hrs/wk /sem)	Self Study (hrs/wk /sem)	Credits (L:T:P:SS*)	Credits (Total)
4	0	0	0	4:0:0:0	4
3	0	0	0	3:0:0:0	3
2	2	0	4	2:1:0:1	4
3	0	2	4	3:0:1:1	5

3	2	0	4	3:1:0:1	5
0	0	6	0	0:0:3:0	3
2	2	2	4	2:1:1:1	5
L*: Lecture		T*: Tutorial		P*:Practical	

SS: Self study in a course generally includes Library work, e-Learning, Assignment & Presentation etc. and generally overseen by the concerned subject teacher/Departmental committee.*

The final year project for B.E. Program would carry Credits as recommended by BOS and Academic Council of the institute.

Credits Requirement for UG/PG Programs.

The total number of credits required to be earned by students to qualify for the various Degree programs are given in the Table below.

Program	Normal Duration Years (semesters)	Total No. of credits to be Earned (Average/Semester=25)
U.G Degree B.E.	4.0(8)	200 (Including Self study credits)
U.G Degree B.E. (Lateral Entry students)	3.0(6)	150 (Including Self study credits)
U.G Degree B.Arch.	5.0(10)	250
PG Degree M.Tech, MBA	2.0(4)	100
PG Degree MCA	3.0(6)	150

4 Evaluation System

4.1 Achievement Testing

Achievement testing will be done in two parts, as follows, both of them being important in assessing the students' achievement:

Achievement testing is done in two parts

1. **Continuous Internal Evaluation (CIE):** There will be two Internal assessment conducted for 50 marks each in a semester to assess the students. The average of the two CIE will be taken and is considered as final CIE marks.

THEORY

Continuous Internal Evaluation (CIE)

Internal Assessment Test (IAT) 1	30 Marks
Internal Assessment Test (IAT) 2	
Assignment, Test Based on assignment, (Submission of Drawing Sheets in case of CAED / CMD / Electrical Machine Drawing)	10 Marks
Alternate Assessment Tool (AAT)	10 Marks
Grand Total	50 Marks

What is AAT?

AAT shall allow students to exhibit their skill to function in a variety of cognitively engaging events. When assessment is performance-oriented, the students' work will result in a creation, written or oral performance, or problem solving. It focuses on higher level thinking and problem solving skills to help students to know their strength and weakness.

How to avail AAT benefits?

The students shall opt for the following activities and shall be assessed accordingly.

	CIE1	CIE2
AAT1	Pick activity from the list below (5 Marks)	Pick any activity from the list below (5 Marks)
AAT2	Pick any activity from the list below (5 Marks)	Pick any activity from the list below (5 Marks)

Sl. No.	AAT Activities	Registration Process at the department		Conduction Process	Assessment for 5 Marks	
					Evaluation Parameters	Subject Mapping
1	Subject Quiz	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Prepare for the subject quiz • Participate in the subject quiz given by the subject teacher • Online/written 	Online/written quiz comprising 5 questions of 1 mark each	Mapped to the particular subject
	Whom to contact:	Subject Teacher				

2	Seminar	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Decide on the topic • Topic may be from Self study component • Prepare report on the topic • Prepare Power Point Presentation on the topic • Present it on the allotted date and time slot 	Oral presentation	Mapped to the particular subject
		Whom to contact:	Subject Teacher		Report	
3	Mini Projects/Developing Products/Building Models	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Form the team • Decide on the project • Assign modules to team members • Attend all phases review and work accordingly • Complete well before deadline • Submit working prototype/model and report 	Relevance to current research trends:	Mapped to all the subjects
		Whom to contact:	Subject Teacher		Individual Contribution:	

4	E-Course Certification	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Find good online courses from reputed organizations • Register for the course • Complete the course • Submit the Certificate 	Relevance to the Course	Mapped to the particular subject
		Whom to contact:	Subject Teacher		Valid Completion Certificate	
5	Group Discussion	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Work/Read on the topic fixed by the subject teacher • Collect the information • Prepare notes • Decide for /against • Participate in the debate on the topic on the scheduled time 	Subject knowledge:	Mapped to the particular subject
		Whom to contact:	Subject Teacher		Confidence level: Presentation:	
6	Case Study	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Work on the problem given by the subject teacher • Collect the information • Prepare solution 	Solution Approach:	Mapped to the particular subject
		Whom to contact:	Subject Teacher		Solution:	

				<ul style="list-style-type: none"> • Submit it to the teacher 		
7	Role Play	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Decide on the topic • Form the group • Assign roles to each one • Prepare action plan • Perform it on the allotted date and time slot 	Theme selection:	Mapped to the particular subject
		Whom to contact:	Subject Teacher		Performance mapped to theme:	
					Presentation:	
8	General Science/Technical Quiz	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Update general science /technical knowledge • Participate in intra/inter college quiz competitions • Produce the certificate 	For Only Participation Certificate:	Mapped to all the subjects
		Whom to contact:	Class Teacher/ Mentor		If Prize/Award obtained	Mapped to all the subjects
9	Paper Presentation	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Form the team • Select IEEE or some reputed conference research papers • Study the paper thoroughly • Prepare presentation 	Relevance to the current research trends:	Mapped to all the subjects
		Whom to contact:	Class Teacher/ Mentor		Technical content covered in the presentation:	
					Oral presentation:	

				<ul style="list-style-type: none"> • Present it in paper presentation contest • Produce the certificate 		
10	Paper Publication	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Form the team of 2 to 3 • Associate with one of the research scholars of the department • Work on one module of the research topic given by the research scholar • Publish a technical paper in any of the reputed journals/conferences • Produce the proceedings/certificate 	Relevance to the current research trends and novelty in the approach worked on	Mapped to all the subjects
		Whom to contact:	Class Teacher/ Mentor		Submitted to a Conference/Journal with high impact factor	

11	Programmin g Contest	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Work on Coding skills • Participate in intra/inter college Programming/coding contests • Produce the certificate 	For Only Participation Certificate:	Mapped to all the subjects
		Whom to contact:	Class Teacher/ Mentor		If Prize/Award obtained	Mapped to all the subjects
12	Hackathon	When to register:	4 Weeks before CIE	<ul style="list-style-type: none"> • Form the team • Identify reputed organizations conducting hackathons • Register as a team • Produce the certificate 	For Only Participation Certificate:	Mapped to all the subjects
		Whom to contact:	Class Teacher/ Mentor		If Prize/Award obtained	Mapped to all the subjects
13	Demonstrati on/ Analysis/ Optimization / Comparison of Theoretical Concepts using Modern Tools	When to register:	4 Weeks before CIE	<p>Conduction Process:</p> <ul style="list-style-type: none"> • Identify suitable software tool and Work on specific Problem given by subject teacher • Prepare solution 	Tool & Approach / Methodology	Mapped to the particular subject

				/analysis Report • Submit to the teacher		
		Whom to contact:	Class Teacher/ Mentor	Tools: • Matlab • Any drafting tool such as :AutoCad/Catia • Minitab • Labview • Ansys/Nastran/ Hypermesh Or • Any Modelling / Simulation /Analysis software relevance to subjects	Interpretation and effective Report preparation	

Note:

- Achieving awards in the category of activities (3, 8 to 13) in **inter- college** competitions, shall secure 5 marks uniformly for all the subjects in the AAT of that CIE; for this award proof is to be submitted.
- Publishing technical paper in any of the **reputed refereed journals / conferences** shall secure 5 marks in all the subjects
- Submission of supporting documents / certificates / awards to the class teacher is mandatory 5 days before the CIE dates to ensure proper allotment of AAT marks
- In addition to the above listed activities, course coordinator may add on activity more suited for the subject / course with prior permission of the head of the department and COE.

PRACTICALS

Continuous Internal Evaluation (CIE)

Internal Assessment Test	15 Marks
Records, Conduction and Continuous Assessment	25 Marks
Vivo-Voce, Surprise Test, Quiz (Objective Type)	10 Marks
Total	50 Marks

The marks obtained by the student in CIE will be displayed in the respective departments and the students are expected to affix their signatures during a prescribed period as a confirmation of their verification of the marks.

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% of Total CIE)
- For B.Arch program CIE ≥ 25 marks (50% of Total CIE)
- For M.Tech, MBA, MCA program CIE ≥ 25 marks (50% of Total CIE)

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

Semester End Examination (SEE): Conducted after the completion of course work of each Regular and Fast Track Semester. SEE is conducted for 100 marks and the student has to secure a minimum of 40 marks to pass the respective course.

4.3 PASSING STANDARDS

The Standard of passing in each subject is given in the following table for students admitted from the academic year 2015-16 onwards.

a) Under Graduate Program (B.E.)

Passing Standard for Theory Course / Laboratory	CIE \geq 40% and SEE \geq 40%
Passing Standard for Project work	CIE \geq 50% and SEE \geq 50%
Seminar / Internship	CIE \geq 50%
Passing Standard for courses having both Theory and Laboratory components	CIE : Theory \geq 40%, Lab \geq 40 % and aggregate of Theory and Lab \geq 40% SEE : Theory \geq 40%, Lab \geq 40% and aggregate of Theory and Lab \geq 40%

b) Under Graduate Program (B. Arch.)

Passing Standard for Theory Course /Drawing/Practical	CIE \geq 50% and SEE \geq 40%
Passing Standard for Studio subjects	CIE \geq 50% and SEE \geq 40%
Seminar/Internship	CIE \geq 50%

C) Post Graduate Program (M. Tech.)

Passing Standard for Theory Course / Laboratory	CIE \geq 50% and SEE \geq 40% Aggregate of CIE and SEE \geq 50%
Passing Standard for Project work	CIE \geq 50% and SEE \geq 50%
Seminar/ Internship	CIE \geq 50%
Passing Standard for courses having both Theory and laboratory components	CIE : Theory \geq 40%, Lab \geq 40 % and aggregate of Theory and Lab \geq 40% SEE : Theory \geq 40%, Lab \geq 40% and aggregate of Theory and Lab \geq 40%

d) Post Graduate Program (MCA)

Passing Standard for Theory Course /Laboratory	CIE \geq 50% and SEE \geq 40% Aggregate of CIE and SEE \geq 50%
Passing Standard for Project work	CIE \geq 50% and SEE \geq 50%

Seminar/Internship	CIE \geq 50%
Passing Standard for courses having both Theory and laboratory components	CIE : Theory \geq 40%, Lab \geq 40 % and aggregate of Theory and Lab \geq 40% SEE : Theory \geq 40%, Lab \geq 40% and aggregate of Theory and Lab \geq 40%

e) Post Graduate Program (MBA)

Passing Standard for Theory Course /Laboratory	CIE \geq 50% and SEE \geq 40% Aggregate of CIE and SEE \geq 50%
Passing Standard for Project work	CIE \geq 50% and SEE \geq 50%
Seminar/Internship	CIE \geq 50%

Students who remain **ABSENT** to SEE without valid reasons are also declared as Failed by awarding 'F' grade.

If a student gets Absented to SEE and provides valid reasons with supporting documents within 48 hours of the completion of that examination, the student will be awarded with 'I' grade and will be allowed to take Makeup Examination, provided his / her documents are verified and approved by the committee.

Make up Examination: The students who have secured CIE \geq 30 (60%) marks and attendance \geq 85% in the respective course but failed to secure 40 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 to pass the course in SEE by securing 'X' grade and for the students awarded with 'I' grade.

There will be no Makeup Examination after the Semester End Examination of Fast Track semester.

4.4 Mandatory Courses

UG program is provided with certain courses necessary for familiarity of subjects such as Kannada, Communicative English, Contributory Personality Development, Constitution of India and Professional Ethics as Mandatory Courses. Such courses will not carry any credits for the award of the degree but a pass in each course during the program as specified in the scheme shall be a necessary requirement for the student to qualify for the award of the degree.

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 (S+), Excellent (S), Very Good (A), Good (B), Above Average (C), Average(D), Poor(E) 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

Level	Out Standing	Excellent	Very Good	Good	Above Average	Average	Poor	Fail
Score (Marks) Range %	90 to 100	80 to 89	70 to 79	60 to 69	50 to 59	45 to 49	40 to 44	<40
GRADE	S+	S	A	B	C	D	E	F
GRADE POINTS	10	09	08	07	06	05	04	00

P	NP	X	I
Passed	Not Passed	Failed in SEE Eligible for MUE	Failed to attend SEE due to illness

- 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 above.
- 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 in a semester and is calculated as follows:

$$\text{SGPA} = \frac{[\sum (\text{Subject Credits}) \times (\text{Grade Point/s}) \text{ for all the subjects registered by the student, excluding transitional grades, in that semester.}]}{[\sum (\text{Subject Credits}) \text{ for all the subjects registered by the student excluding transitional grades, in that semester.}]}$$

- (ii) **CGPA** (Cumulative Grade Point Average) is the performance index of a student of all the previous semesters and is calculated as follows:

$$\text{CGPA} = \frac{[\sum (\text{Subject Credits}) \times (\text{Grade Point/s}) \text{ for all the subjects registered by the student excluding F \& Transitional grades until that semester.}]}{[\sum (\text{Subject Credits}) \text{ for all the subjects registered by the student excluding those with F \& Transitional grades until that semester.}]}$$

The SGPA & CGPA respectively facilitates 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 (S+ 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) Illness or accidents, which disable him/her from attending SEE.
- (ii) A calamity in the family at the time of SEE, which required the student to be away from the college.
- (iii) Any other exigency as ascertained by the competent authority / Committee.

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 ($\geq 60\%$) in a course, but SEE performance observed to be poor, which could result in an overall F grade in the

course. (No 'F' grade awarded in this case but student's performance record maintained separately).

- (f) **Earning Credit:** A Student would be considered to have completed a subject 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.

Successive Failures:

- If a student fails (grade F / absent) to pass a course and hence fails to Earn the credits prescribed for the course even after **five (5)** attempts, then the admission of the student to the program will be terminated . Here, SEE and fast track are considered as attempts
- He will be informed to leave the autonomous program. However, he may seek readmission to the program at the college as a fresh candidate to the first year

Fast Track Semester: The Fast Track semester is provided to facilitate or as a recourse to such students who have absented themselves from attending CIE or SEE without valid reasons;

OR

Who have been unsuccessful (Grade F) in attaining the minimum passing standards prescribed for SEE; Who have been detained for want of Sessional marks (CIE $< 40\%$ for BE / M.Tech , MBA, MCA and CIE $< 50\%$ for B.Arch.)

OR

Who have withdrawn (Grade W) from a course.

d) Supplementary Examination / Make-up Examination:

A Supplementary examination facility would be made available to students who have secured CIE $\geq 60\%$ and failed or absent in SEE. However if the student consequently fails he may surrender the CIE marks and re-register for the course in Fast track Semester.

In case of courses involving laboratory component in the SEE, the student should attend both theory and laboratory exams during the fast track examinations.

e) **For M.Tech Candidates:** The candidate has to pass in all the subjects of I, II and III semesters before the Project viva-voce is conducted.

5.1 Schedule of Examinations

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

1. SEE at the end of odd semester
2. SEE at the end of even semester
3. Fast Track Semester at the end of even semester.

5.2 Revaluation/Photocopy

The Controller of Examinations will announce the schedule for revaluation / photocopy after the announcement of results of the examination. The students can apply for Revaluation of answer scripts, issue of photo copy of answer scripts after the announcement of results of the two main semesters. In the case of Theory courses associated with a laboratory, revaluation of the answer script of the Theory course is only permitted.

6. Vertical Progression (Promotion to Next Academic Year)

- (a) A student has to obtain a **CGPA of ≥ 5.0** and should not have more than **Four** courses as not passed (backlogs) 'F' grades at the end of each academic year for promotion to the next higher academic year. Such students who do not satisfy this minimum requirement in an academic year shall improve by registering for the subjects in which they have failed (Grade F) / withdrawn (Grade W) during Fast Track semester under the guidance of Academic advisory board of the institution.
- (b) If a student fails to satisfy the minimum requirements, stated above, even after the Fast Track examinations, he / she cannot register for the next higher academic year. However, such students can register for the failed courses (odd semester subjects during the odd semester and even semester courses during the even semester or any courses during the Fast Track semester, if offered) to satisfy the minimum requirement for promotion to the next higher academic year.

- (c) A student failing to obtain **CGPA of 5.0**, in spite of obtaining **C** grades and better than **C** grades in one or two courses, he/she can register for those course (s) in which he /she has obtained **C** grade (s) when offered during a Fast Track Semester to satisfy the minimum CGPA requirement. However, failure to secure a minimum CGPA of 5.0 but not less than 4.5 at the end of any academic year for the first time shall attract a warning before approval of the student to continue in the next higher academic year. This facility is available only once during the entire B.E. / B.Arch. program duration.
- (d) Odd semester to even semester mobility does not depend upon odd semester examination results.

6.1 Not Fit for Technical Education

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'. A student not able to obtain pass grade in a particular course even after five attempts excluding makeup examination is also considered as 'Not fit for Technical Education'. However, such a student can rejoin B.E/ B. Arch in the college as a fresh student to the first year.

6.2 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 consisting of COE, Vice Principal, Deputy Controller of Examinations and two senior professors. 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 punishment. In such cases, the said course will be awarded with a credit of 'F' for the calculation of SGPA.

6.3 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.

6.4 Grade Card

Each student will be issued a Grade card at the end of makeup examination of odd and even semester as well as fast track 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, CGPA and 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 degree award by the university.

6.5 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 = $[(\text{Grade Point}) - 0.75] \times 10$

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) 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 B.E, M.Tech, MBA, MCA shall be awarded to the candidates who have passed all the stipulated courses from 1st to 8th semesters in case of B.E course and all the stipulated course for Post graduation courses. In case of Bachelor of Architecture, the candidates have to pass all the stipulated course from 1st to 10th 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 7.75 CGPA.
2. A candidate who has passed in all the courses in one / multiple sittings securing not less than 6.75 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 5.75 but less than 6.75 CGPA shall be declared to be eligible for the award of BE degree in Second Class.
4. A Candidate who has passed in all the courses securing less than 5.75 and not less than 5 CGPA shall be declared to be eligible for the award of BE degree in pass Class.

(D) Award of Ranks

- a. 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.
- b. Student appearing for Makeup / Fast track and any subsequent examinations in any credit or audit course /courses during the program shall not be eligible for the award of Ranks.
- c. 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) and 5 consecutive years for B.Arch. are eligible for consideration for the award of ranks. For Post-Graduation courses students who complete the course as per the specified course duration are eligible.
- d. 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.
- e. For the award of rank for B. Arch students, CGPA shall be calculated from 1st to 10th semester.
- f. For M.Tech. / MBA / MCA degree programs, the merit rank will be based only on CGPA to be calculated at the end of last semester of the course and CGPA will be

- calculated based on the academic performance of the student from first to last semester of the course.
- g. The basis for declaring the rank shall be the CGPA (without gracing) in the descending order of merit from the highest CGPA.
 - h. CGPA shall be calculated to the second decimal position.
 - i. Students with CGPA of ≥ 6.75 (Equivalent to First Class) or above are eligible for consideration for rank.
 - j. 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 S to C till the tie is resolved. If the tie is still unresolved, the students with similar CGPA will be awarded the same rank.

8 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 (ball pen or ink pen).
- 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 receives 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:
 1. 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.
 2. 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.
 3. 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.
 4. Copying from the material or matter or answer of another candidate or similar aid or assistance is rendered to another candidate within the Examination Hall.

5. 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.
6. Making any request of representation or offers any threat for inducement or inducing to bribery to Room Superintendent or and any other official or officer of the college for favours in the examination hall or to the Examiner in the answer script.
7. 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.
8. Impersonating or allowing any other person to impersonate to answer in his / her place in the examination hall.
9. Supply of copying material inside or from outside the examination hall.
10. Unruly behaviour inside or near the examination hall.

9 Disciplinary Measures

9.1 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 & indiscipline. With respect to the Reference to clause (g) of sub – section (I) of Section 26 of the University Grants Commission Act, 1956, and AICTE notification vide curricular no. F. No. 37-3/legal /AICTE/2009 dated 25/03/2009, all regulations will be followed strictly in the institute to root out ragging in all its forms.

9.1.1 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, 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.

9.2 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. 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 - 560 078).
- 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:

- (i) Cancellation of admission.
- (ii) Suspension from attending the classes.
- (iii) Debarring from appearing in any test / examination or other evaluation process.
- (iv) Suspension / Expulsion from the hostel. Rustication from the institution for period from to 4 semesters.
- (v)Expulsion from the institution and consequent debarring from admission to any other institution.
- (vi) 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.

9.3 Campus Discipline

1. The students will 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 behaviour.
 - Wilful 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 of 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 shall come into force 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.

10 FAQs about Autonomy

1. 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.

2. 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.

3. 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.

4. 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.

5. 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.

6. 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.

7. 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.

8. 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.

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

In any semester, a minimum of 20 credits is to be registered while the maximum credits are 30. Normally on an average 25 credits are assigned per semester.



DAYANANDA SAGAR COLLEGE OF ENGINEERING

Shavige Malleshwara hills,
Kumaraswamy Layout, Bengaluru - 78

Tel: +91-80-42161705, 42161706, 42161709, 42161750, 42161751

Fax: +91-80-26660789

web: www.dayanandasagar.edu