



Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI COLLEGE OF ENGINEERING
(An Autonomous Institute Affiliated to RTM Nagpur University, Nagpur)
Accredited with Grade "A+" by NAAC
Academic Regulations 2023-24



Version 1.0

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Preamble:

Priyadarshini College of Engineering (PCE), Nagpur, is a flagship institution belonging to LTJSS established in the year 1990 and is one of the premier technical institutions in Central India. Lokmanya Tilak Jankalyan Shikshan Sanstha's (LTJSS) founded in the year 1983, is a conglomerate of 28 Educational Institutions which is considered as a paragon of excellence in Education. Priyadarshini College of Engineering (PCE) is set up on a hilly terrain, with unique features like number of elegant and spacious buildings, swimming pool, planned landscapes with lush green lawns good network of beautifully designed internal roads, street lightning and parking areas.

Priyadarshini College of Engineering, Nagpur has been conferred and granted autonomous status vide Notification No. RTMNU/CDS/2023/4738 dated 15/06/2023 of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. The Institute has already constituted the Academic Council which has been conferred with powers and duties, one of which is to formulate the methodology of conduction of examination to evaluate the performance of the students.

The institute imparts technical education through fifteen undergraduate and eight postgraduate courses leading to the award of B. Tech and M.Tech degrees.

The Institute is a recognized center for Ph.D. in three programs encouraging the faculty for research and development and has a strong faculty pool with 114 Ph.D.

The institution is accredited by NAAC at 'A+' with score of 3.45 in the year 2022 and its Eight programs 1) Electronics and Telecommunication 2) Electronics and Power (Electrical) 3) Civil 4) Mechanical Engineering 5) Biotechnology 6) Chemical Engg, 7) Computer science Engg 8) Computer Technology are accredited by NBA. The institute has always envisioned instilling holistic education among the students which cares to attain the balance of knowledge, skill and behavioral aspects amongst the students. The institute has won several accolades at university and state level.

Various cells like Alumni, EDP, III, are strongly associated to reinforce profile of Training and Placement department.

Women Empowerment cell of the institute takes care of gender related issues and institute has more than 50% female faculties and large number of girl students in the institute. The behavioral domains are getting strengthened through programs conducted by NSS, Rotaract Club and student forums.



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The institute is also conferred with grade A by Government of Maharashtra for Academic excellence and is the recipient of Gold Rank in 2017, 2018 and 2021 and Platinum Rank in 2019 in AICTE-CII survey. The institute has also received World Education Award 2017, innovation in Teaching Pedagogy, India's Education Excellent award in 2018 by Berkshire Media USA and Outstanding Engineering institute for Research and innovation held at 15-World Education Summit-2019.

Ever since the inception, the institute is dedicated to the core idea of "Promotion of quality education with basic philosophy summed up as to be a center of learning excellence in academics, which imparts knowledge to its students, encourages staff and students to actively take up the research and development activities and to be the emissaries of growth and ethical values".

The institute not only ensures academic development of the students but also provides them with opportunities to flourish in extra-curricular and co-curricular activities. Counseling, Career Guidance, need based training programs industrial visits, guest lecturers, workshops, seminars, internships, project guidance etc. are some of the measures that makes PCE, Nagpur a "Modern" and "Progressive" education Institute.

Our Vision and Mission as,

VISION:

To become one of the India's leading Engineering Institutes in both education and research. We are committed to provide quality and state-of-the-art technical education to our students so that they become Technologically competent and in turn contribute for creating a great society.

MISSION:

1. Fostering a dynamic learning environment that equips students with Technical expertise, problem-solving skills and a deep commitment to ethical practices.
2. To cultivate a culture of innovation, incubation, research and entrepreneurship that drives technological advancements.
3. To uphold the spirit of mutual excellence while interacting with stake holders of our Institutional ecosystem.
4. Promoting lifelong learning, professional growth and ensuring holistic development of students and the well being of society.



ACADEMIC REGULATIONS:

Academic programs of this institute are governed by rules and regulations as approved by Academic Council, which is the highest academic body of the autonomous college. These academic rules and regulations are applicable to all students who are admitted to this college from academic session 2023-2024 onwards.

1.0 Abbreviations and Definitions:

- 1.1 “Autonomous Institute/College” means an institute / college designated as autonomous by Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.
- 1.2 “Academic Autonomy” means freedom in all aspects of conducting academic programs, granted by University for promoting excellence.
- 1.3 “AC” means Academic Council.
- 1.4 “AICTE” means All India Council for Technical Education.
- 1.5 “JEE (Main)” mean Joint Entrance Examination (Main)
- 1.6 “ATKT” means Allowed To Keep Terms.
- 1.7 “BoM” means Board of Management.
- 1.8 “BoS” means Board of Studies.
- 1.9 “Branch” means specialization in a program like B.Tech. in Civil Engineering
- 1.10 “CE” means Continuous Evaluation.
- 1.11 “CGPA” means Cumulative Grade Point Average.
- 1.12 “CoE” means Controller of Examinations.
- 1.13 “Commission” or “UGC” means University Grants Commission.
- 1.14 “Course” or “Subject” means a theory/practical/other item mentioned in the Scheme of Examination, identified by the number and title.
- 1.15 “DAC” means Disciplinary Action Committee.
- 1.16 “DAMC” means Department attendance monitoring committee.
- 1.17 “DTE” means Directorate of Technical Education, Government of Maharashtra.
- 1.18 “ESE” means End Semester Examination.
- 1.19 “GATE” means Graduate Aptitude Test in Engineering.
- 1.20 “Government” means Government of Maharashtra.
- 1.21 “Institution” or “College” or “PCE” means Priyadarshini College of Engineering, Nagpur unless indicated otherwise.
- 1.22 “MSBTE” means the Maharashtra State Board of Technical Education.



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- 1.23 “MTE ” means Mid Term Examination
- 1.24 “RRMC” means Result Review and Moderation Committee.
- 1.25 “SGPA” means Semester Grade Point Average.
- 1.26 “SoE” means Scheme of Examination.
- 1.27 “RTMNU “ or “University” means Rashtrasant Tukadoji Maharaj Nagpur University
- 1.28 “TA” means Teachers Assessment.
- 1.29 “Undergraduate” or “UG” Program means Bachelor of Technology (B.Tech.) degree program.

Please be noted that where the words “he”, “him”, “his”, occur, they also mean “she”, “her” and “hers”.

2.0 Programs Offered:

PCE offers 15 programs at UG, and 8 programs at PG, duly approved by an apex regulating agencies such as AICTE and parent University, RTMNU, Nagpur.

2.1 A. Following are the branches of study of UG program (Full Time):

Name of the Course	Intake	Duration
B. Tech. Aeronautical Engineering.	60	4 Years
B. Tech. Civil Engineering	120	4 Years
B. Tech. Computer Technology	120	4 Years
B. Tech. Electrical Engineering(Electronics and Power)	60	4 Years
B. Tech. Electronics and Telecommunication Engineering	120	4 Years
B. Tech. Information Technology	120	4 Years
B. Tech. Mechanical Engineering	120	4 Years
B. Tech. Computer Science and Engineering	120	4 Years
B. Tech. Electronics and Communication Engineering.	120	4 Years
B. Tech. Electrical Engineering.	120	4 Years
B. Tech. Artificial Intelligence and Data science.	120	4 Years
B.Tech. Chemical Engineering	60	4 Years
B.Tech. Biotechnology.	60	4 Years
B. Tech. Robotics and Artificial Intelligence.	60	4 Years
B. Tech. Industrial IOT	60	4 Years



2.1 B. Following are the branches of study of PG program (Full Time):

Name of the Course	Intake	Duration
M. Tech Mechanical Engineering Design	25	2 Years
M. Tech Industrial Drives and Control	18	2 Years
M. Tech VLSI	18	2 Years
M. Tech Communication Engineering	18	2 Years
M.Tech. Defence Technology.	24	2 Years
M.Tech. Chemical Engineering.	18	2 Years
M.Tech Electronics and Communication Engineering.	9	2 Years
M.Tech. Computer Science Engineering.	18	2 Years

3.0 A) Admission to full time UG programmed in Engineering:

- 3.1** Admissions to the first year of all the programs leading to the award of B.Tech degree shall be done through the Maharashtra Combined Common Entrance Test (MHT-CET) conducted by the Government of Maharashtra or on the basis of performance in JEE (Mains) , All India Engineering Entrance Examination (AIEEE) conducted by Central Board of Secondary Education.
- 3.2** The intake capacity of each Program, criteria for reservation, eligibility requirements shall be applicable as decided/ amended from time to time by the directives of AICTE/Government/ DTE.
- 3.3** The Institution shall also admit to first year of the programs Non- Resident Indian (NRI) students as per the approval accorded by AICTE and the guidelines of the Government.
- 3.4** The Institution shall also admit to first year of the B.Tech programs, a limited number of students at Institution Level as per the quota sanctioned by the Government.
- 3.5** The selected student will be admitted to the UG program after he/she fulfills all admission eligibility criterion and requirements as indicated in the offer letter issued by the competent Authority.



- 3.6** If at any time after admission, it is found that a candidate has not fulfilled all the eligibility criterion and requirements stipulated in the offer letter of admission, the Principal/ Director of the Institution may revoke the admission of the candidate and report the matter to the BoM and concerned government authorities as necessary.

B) Admission to full time PG programmed in Engineering:

PG admission process is also carried out in the same way as UG according to the requirement of State CETCell. Students with minimum 50% marks and non-zero score in GATE can apply for PG course.

4.0 Admission to Direct Second Year of UG Degree Program in Engineering:

There shall be a lateral admission to all courses in the Second year for students having Diploma in Engineering in equivalent branches on merit basis through an admission process directly in accordance with the Rules and Regulations of DTE decided/ amended every year. The number of seats offered to students for admission is decided by the Government of Maharashtra every year. The admission process is conducted by the DIE, Maharashtra State.

4.1 The eligibility for registration to doctoral degree in engineering:

The candidates possessing educational qualifications as specified by the RTMNU can register for Doctoral Degree programs in engineering. The candidate's registration shall have to be confirmed by RTMNU.

A student should have obtained the eligibility certificate from the RTMNU if he/she has passed the qualifying examination from other than RTMNU.

5.0 Enrolment:

The students admitted to the programs offered by the Institution will be enrolled at RTMNU, soon after the admission, if he/she is not enrolled earlier. The candidature of the student will be provisional till his enrolment is accepted and an enrolment number is assigned by the RTMNU.

6.0 Duration of Degree Programs:

Minimum Duration of the programs:

- a) The full time UG Program shall be of four years/eight semester duration. For those students who are admitted directly to Second Year of regular B.Tech.



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Program, through lateral entry admission process, the minimum duration shall be of three years/six semesters.

b) The full time PG Program shall be of two years / four semester duration.

c) The Doctoral Program shall be as per the directives of RTMNU

7.0 Fees to be charged for the Under Graduate and post Graduate:

7.1 For the UG and PG programs, the tuition and other fees charged to students over the duration of program shall be as per the approval of the Competent Authority set up by the Government.

7.2 The dates for payment of fees will be declared well in advance and intimated to the students through the website/ Student dashboard and other notices.

7.3 The tuition and other fees payable by the student will have to be deposited in the institution's office/bank personally or through integrated payment gateway as prescribed by the Competent Authority, as per the given dates in the calendar of activities. The dates for payment of fees will be declared well in advance and intimated to the students through the website/ student dashboard and other notices.

7.4 For the doctoral degree programs, the tuition and/or other fees charged to students over the duration of the programs shall be as decided by the BoM

8.0 Scheme of Examination:

Every Programme has a prescribed course structure which, in general terms, is known as Scheme of Examination (SoE). It prescribes courses to be studied in each semester. The details of the SoE are as follows:

8.1 Every Programme shall have a SoE and course contents (Syllabi) for the courses recommended by the BoS and approved by the AC.

8.2 Composition of the SoE for UG Programs shall be as follow.

UG programs:

- a) Basic Sciences, Basic Engineering Sciences, Humanities and Management and related engineering courses.
- b) Core engineering courses related to the concerned discipline.
- c) General Proficiency courses and Professional Development courses.
- d) Program Electives, Open Electives



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- e) Discipline centric professional electives and open electives which are interdisciplinary in nature.
- f) Viva, Seminars and Project.
- g) Other requirement such as Industrial training/Industrial visits/Audit Courses etc.
- h) As per governing principles and directives of NEP 2020 inclusion of scope for "Multiple Entry", "Multiple Exit", choice for "Multi-Disciplinary" Courses.
- i) Inclusion of vocational, professional and skill based courses.
- j) Provision for the award of Certificate after successful completion of one year of four-year degree Program.
- k) Provision for award of Diploma after the successful completion of two years of four-year degree Program.
- l) Provision for the award of B. Tech vocational degree after the successful completion of three years of four-year degree program.
- m) Minor/Major/ Honors Degree. After the successful fulfillment of stipulated credits.

All such awards shall strictly be as per the directions of NEP 2020.

PG programs:

- a) Core engineering courses related to the concerned discipline.
- b) General Proficiency courses and Professional Development courses.
- c) Electives.
- d) Program Electives / Open Electives/ Core electives/Professional electives
- e) Viva, Seminars and Project.
- f) Other requirements such as Industrial training/Industrial visits/Audit Courses etc.

8.3 Medium of Instructions:

The medium of Instruction for all coursework, examinations and all academic activities shall be English.

8.4 Audit Courses:

A student will be allowed to register audit courses during the entire UG Program. Students will opt for audit courses only on recommendation of Faculty Advisor.



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Audit Course does not carry any credit, hence, will not be considered in the SGPA/CGPA calculation. But the grade card will reflect "Audit course" and will be awarded with grade as in Table-1(a or b or c). However, the student will have to pass the course with minimum required attendance and evaluation result to clear the semester.

8.5 Seminars:

Seminar is a course requirement wherein under the guidance of a faculty member a student is expected to do in depth study in a specialized area by doing literature survey, understanding different aspects of the problem and arriving at a status report in that area.

While undergoing a seminar course, the student is expected to learn investigation methodologies, study relevant research papers, correlate work of various authors/researchers critically, study concepts, techniques, prevailing results etc., analyze it and present a seminar report. It is mandatory to give a seminar presentation before a panel constituted for the purpose.

8.6 Comprehensive viva:

The examination of student under this head is aimed at assessing the student's understanding of various courses studied during the entire program.

The Viva-voce examination will be conducted by a panel of examiners consisting of the departmental committee and at least one external expert, approved by Examination Committee.

8.7 Projects/Dissertation:

Project/Dissertation is a mandatory course requirement, wherein, under the guidance of a faculty member, a final year student is required to do some innovative work with application of knowledge gained while undergoing various theory and laboratory courses of study.

The Project/Dissertation may be related to a theoretical analysis, an experimental investigation, a proto-type design, a new correlation and analysis of data, fabrication and setup of new equipment. The student is expected to do literature survey and carry out development and/or experimentation. Through the project work, the student is expected to exhibit both the analytical and practical skills.

A student will carry out the Project/ Dissertation work under the guidance of the



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faculty supervisor from the same department unless specifically permitted by the Head of the Department for alternate arrangements. The registration for the Project/ Dissertation work is normally in two phases, each spread over a semester. The first phase shall commence in 7th semester and the second phase shall commence in 8th semester. At the end of the first phase, the student is required to submit preliminary report of his work by a prescribed date to the Course Coordinator and present it to a Panel of Examiners. The second phase of the work is continued in the subsequent semester.

The student shall register the title along with Project/ Dissertation synopsis within a month from the date of registration by the date provided in the Academic Calendar. The change in title, if any, shall be allowed once, provided such request is received from student duly approved by the supervisor, Chairman BoS of respective Board.

The student will submit the report on Project/ Dissertation work in the format prescribed by the Institution.

The final project/dissertation report should be submitted by the prescribed date.

Generally, there should not be any extension in the schedule for dissertation report. However, for genuine reasons (such as medical reasons, accident and / or hospitalization of a student) or other emergency circumstances (death of immediate close relative i.e. father, mother, brother and sister), extension in submission of dissertation report beyond the date specified in the calendar for one month with permission from Chairman, BoS, may be granted. If the dissertation cannot be completed due to valid reasons, student will be temporarily awarded 'ZZ' grade at the time of finalization of grades. The 'ZZ' grade will be converted to a performance grade when such a student submits the report and undergo the oral examination. Further, if such late reports are not submitted, the 'ZZ' grade will be automatically converted to 'FF'.

Re-registration for the Project / Dissertation will be required in the following semester if a student secures "FF" grade in a project/dissertation work. He may submit the project/dissertation immediately after re-registration, if desired.

PG Dissertation process same as UG. The first phase shall commence in 3rd semester and the second phase shall commence in 4th semester. At the end of the



first phase, the student is required to submit preliminary report of his work by a prescribed date to the Course Coordinator and present it to a Panel of Examiners. The second phase of the work is continued in the subsequent semester.

SEMESTER LONG INTERNSHIP FOR FINAL PROJECT:

Students who are undergoing semester long/ yearlong internships will complete their project work at the Industry where he/she is doing the internship.

Such students shall have industry mentor from the industry where he/she is pursuing her internship and one academic mentor from the concerned department as his/her project guide. The periodic progress report about the student needs to be obtained from the industry mentor.

8.8 Practical / Industrial Training:

Each department shall have the flexibility to specify Practical Training as a part of minimum requirement for award of degree. Practical training will be done in summer term following fourth/sixth semester of UG program. The minimum duration for practical training mentioned in scheme.

The training shall be done in industry or R&D institutions in India/abroad. The institution may offer the Campus Recruitment Training or other similar modules to students against this course in SoE.

The student will have to submit the documents of attendance and the report of training in the specified format. The evaluation of the training on the basis of report submitted by the student will be done in seventh semester of UG.

8.9 Work/Industrial Visit:

Some departments may prescribe work visit as part of the curriculum. Under this, the students will visit an industry/site to get exposure of various technologies employed in industry.

9.0 Course code and Course Numbering Scheme:

Course Code and Course Numbering Scheme is mentioned in scheme of each Department.

Example: 23PID101T 23UFY101T



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Course code for higher semesters as follows.

Sr. No.	Department	Semester	Course code (Theory)	Course code (Practical)
1	Civil Engg.	III	24UCV301T	24UCV301P
		IV	24UCV401T	24UCV401P
		V	25UCV501T	25UCV501P
		VI	25UCV601T	25UCV601P
		VII	26UCV701T	26UCV701P
		VIII	26UCV801T	26UCV801P
2	Electrical Engg.	III	24UEL301T	24UEL301P
		IV	24UEL401T	24UEL401P
		V	25UEL501T	25UEL501P
		VI	25UEL601T	25UEL601P
		VII	26UEL701T	26UEL701P
		VIII	26UEL801T	26UEL801P
3	Electronics & power Engg.	III	24UEP301T	24UEP301P
		IV	24UEP401T	24UEP401P
		V	25UEP501T	25UEP501P
		VI	25UEP601T	25UEP601P
		VII	26UEP701T	26UEP701P
		VIII	26UEP801T	26UEP801P
4	Aeronautical Engg.	III	24UAE301T	24UAE301P
		IV	24UAE401T	24UAE401P
		V	25UAE501T	25UAE501P
		VI	25UAE601T	25UAE601P
		VII	26UAE701T	26UAE701P
		VIII	26UAE801T	26UAE801P
5	Mechanical Engg.	III	24UME301T	24UME301P
		IV	24UME401T	24UME401P
		V	25UME501T	25UME501P
		VI	25UME601T	25UME601P
		VII	26UME701T	26UME701P
		VIII	26UME801T	26UME801P
6	Computer Science & Engg.	III	24UCS301T	24UCS301P
		IV	24UCS401T	24UCS401P
		V	25UCS501T	25UCS501P
		VI	25UCS601T	25UCS601P
		VII	26UCS701T	26UCS701P
		VIII	26UCS801T	26UCS801P



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7	Computer Technology	III	24UCT301T	24UCT301P
		IV	24UCT401T	24UCT401P
		V	25UCT501T	25UCT501P
		VI	25UCT601T	25UCT601P
		VII	26UCT701T	26UCT701P
		VIII	26UCT801T	26UCT801P
8	Information Technology	III	24UIT301T	24UIT301P
		IV	24UIT401T	24UIT401P
		V	25UIT501T	25UIT501P
		VI	25UIT601T	25UIT601P
		VII	26UIT701T	26UIT701P
		VIII	26UIT801T	26UIT801P
9	Artificial Intelligence & Data Science	III	24UAI301T	24UAI301P
		IV	24UAI401T	24UAI401P
		V	25UAI501T	25UAI501P
		VI	25UAI601T	25UAI601P
		VII	26UAI701T	26UAI701P
		VIII	26UAI801T	26UAI801P
10	Robotics & Artificial Intelligence	III	24URO301T	24URO301P
		IV	24URO401T	24URO401P
		V	25URO501T	25URO501P
		VI	25URO601T	25URO601P
		VII	26URO701T	26URO701P
		VIII	26URO801T	26URO801P
11	Industrial IOT	III	24UII301T	24UII301P
		IV	24UII401T	24UII401P
		V	25UII501T	25UII501P
		VI	25UII601T	25UCV601P
		VII	26UII701T	26UII701P
		VIII	26UII801T	26UII801P
12	Electronics & Telecommunication	III	24UET301T	24UET301P
		IV	24UET401T	24UET401P
		V	25UET501T	25UET501P
		VI	25UET601T	25UET601P
		VII	26UET701T	26UET701P
		VIII	26UET801T	26UET801P
13	Electronics & communication	III	24UEC301T	24UEC301P
		IV	24UEC401T	24UEC401P
		V	25UEC501T	25UEC501P
		VI	25UEC601T	25UEC601P
		VII	26UEC701T	26UEC701P
		VIII	26UEC801T	26UEC801P



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14	Chemical engg.	III	24UCH301T	24UCH301P
		IV	24UCH401T	24UCH401P
		V	25UCH501T	25UCH501P
		VI	25UCH601T	25UCH601P
		VII	26UCH701T	26UCH701P
		VIII	26UCH801T	26UCH801P
15	Biotechnology	III	24UBT301T	24UBT301P
		IV	24UBT401T	24UBT401P
		V	25UBT501T	25UBT501P
		VI	25UBT601T	25UBT601P
		VII	26UBT701T	26UBT701P
		VIII	26UBT801T	26UBT801P

10.0 Change of Branch:

Students are eligible to apply for a change of branch only after successfully completing the first two semesters of UG. The rules/ guidelines shall be as per the following directives in place; issued by the Government.

10.1 Change of branch shall be offered to the candidates, if clear vacancies exist.

10.2 Students must apply for change of branch within 15 days after the declaration of the second semester result by stating their choices in order of preference.

10.3 All such transfers shall be permitted only at the beginning of the third semester.

11.0 Credit Framework:

Four Years UG Engineering Programme with Multiple Entry and Multiple Exit options:

The Four Year Bachelor's Multidisciplinary Engineering Degree Program allows the students to experience the full range of holistic and multidisciplinary education in addition to a focus on the chosen major and minors as per their choices and the feasibility of exploring learning in different branches. The minimum and maximum credit structure for different levels under the Four Year Bachelor's Multidisciplinary Engineering UG program with multiple entries and multiple exit options are as given below:



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Levels	Qualification Title	Credit Requirements		Semester	Year
		Minimum	Maximum		
4.5	One Year UG Certificate in Engg./ Tech.	40	44	2	1
5.0	Two Years UG Diploma in Engg./Tech.	80	88	4	2
5.5	Three Years Bachelor's Degree in Vocation (B. Voc.) or B. Sc. (Engg./ Tech.)	120	132	6	3
Levels	Qualification Title	Credit Requirements		Semester	Year
		Minimum	Maximum		
6.0	(B.E./ B.Tech. or Equivalent) in Engg./ Tech. with Multidisciplinary Minor	160	176	8	4
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech. - Honors and Multidisciplinary Minor	180	194	8	4
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech. - Honors with Research and Multidisciplinary Minor	180	194	8	4
6.0	4-Years Bachelor's degree (B.E./ B.Tech. or Equivalent) in Engg./ Tech. - Major Engg. Discipline with Double Minors (Multidisciplinary and Specialization Minors)	180	194	8	4

Credits offered per Semester will be a **Minimum 20** and a **Maximum 22**. While minimum credits are mandatory as per National Credit Framework, the Universities and Autonomous Engineering Colleges can evolve the mechanism for providing Semester/ Level wise credit attainment flexibility within the broad framework.



11.1 Distribution of Credits across Four Years of B.Tech. Degree Programme:

In general, for the four years' bachelor's degree programs, the distribution of credits will be as follows:

Major (Core) Subject comprising Mandatory and Elective Courses:

Minimum 50% of total credits corresponding to Three/Four - year UG Degree-

Mandatory Courses offered in all Four years;

Elective courses of Major will be offered in the third and/or final year.

Vocational Skill Courses, Internship/ Apprenticeship, Community Engagement Project (CEP)/ Field Projects (FP), Research Projects connected to Major

Compulsory Multidisciplinary Minor Subject: 14 Credits

The Minor subjects may be from the different disciplines of the Engineering fully or they can be from different faculty altogether.

The credits of compulsory Minor subjects shall be completed from the second year to the final year of UG Program.

Generic/ Open Elective Courses (OE): 08 credits

It is to be offered in Second and/or Third year

Faculty-wise baskets of OE shall be prepared by the institute.

OE is to be chosen compulsorily from faculty other than that of the Major Discipline.

Vocational and Skill Enhancement Courses (VSEC): 08 credits

To be offered in first three years;

Wherever applicable vocational courses will include skills based on advanced laboratory practical of Major.

Skill Enhancement Courses (SEC) : 04 credits

To be offered in first three years;

To be selected from the basket of Skill Courses approved by the institute.

Ability Enhancement Courses (AEC), Indian Knowledge System (IKS) and Value Education Courses (VEC): 10 Credits



AEC: 04 credits

To be offered in First and Second year

English: 02 Credits

Modern Indian Language: 02 credits

To be offered from the Basket approved by the institute.

The focus for both languages should be on linguistic and communication skills.

IKS: 02 Credits

To be offered in First Year

Courses on IKS to be selected from the basket of IKS courses approved by University/ Autonomous Colleges or as per UGC Guidelines on IKS.

VEC: 04 Credits

To be offered in Second year

Value Education Courses (VEC) such as Understanding India, Environmental Science/Education, and Digital and Technological Solutions.

Field Projects/ Internship/ Apprenticeship/ Community Engagement Projects corresponding to the Major (Core) Subject, Co-curricular Courses (CC).

Internship/Apprenticeship corresponding to the Major (Core) Subject: 12 Credits.

Internship of One Semester duration shall be offered either in the VII or VIII semesters.

Courses offered during the Internship Semester shall be offered in online mode.

Field Projects/Community Engagement Projects corresponding to the Major(Core) Subject:

minimum 02 credits to be offered in Second year of UG Degree Programs.

Co-curricular Courses (CC) such as Health and Wellness, Yoga education sports, and fitness, Cultural Activities, NSS/NCC and Fine/ Applied/ Visual/Performing Arts: **04 credits** to be offered in First year

Additional Credits for Bachelor's Degree- with Double Minor OR Honors: **18-20Credits**

These are additional credits to be offered from the second year to the final year and will be offered as an option to students.

Additional Credits for Bachelor's Degree- Honors with Research: Minimum **18Credits**

These are additional credits to be offered in the final year and will be considered as an option to students.



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11.2

Semester		I	II	III	IV	V	VI	VII	VIII	Total Credits
Basic Science Course	BSC/ESC	06-08	08-10		--	--	--	--	--	14-18
Engineering Science Course		10-08	06-04		--	--	--	--	--	16-12
Program Core Course (PCC)	Program Courses	--	02	08-10	08-10	10-12	08-10	04-06	04-06	44-56
Program Elective Course (PEC)		--	--	--	--	04	08	02	06	20
Multidisciplinary Minor (MD M)	Multidisciplinary Courses		-	02	02	04	02	02	02	14
Open Elective (OE) Other than a particular program		--	--	04	02	02	--	--	--	08
Vocational and Skill Enhancement Course(VSEC)	Skill Courses	02	02	--	02	--	02	--	--	08
Ability Enhancement Course (AEC -01, AEC-02)	Humanities Social Science and Management (HSSM)	02	--	--	02	--	--	--	--	04
Entrepreneurship/Economics/Management Courses		--		02	02	--	--	--	--	04
Indian Knowledge System (IKS)			02		--	--	--	--	--	02
Value Education Course (VEC)		--	--	02	02	--	--	--	--	04
Research Methodology	Experiential Learning Courses	--	--	--	--	--	--		04	04
Comm. Engg. Project (CEP)/Field Project (FP)		--	--	02	--	--	--	-	-	02
Project		--	--	--	--	--	--		04	04
Internship/ OJT		--	--			--	--	12	-	12
Co-curricular Courses (CC)	Liberal Learning Courses	02	02		--	--	--	--	-	04
Total Credits (Major)		20-22	20-22	20-22	20-22	20-22	20-22	20-22	20-22	160-176



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Abbreviations: Generic / Open Electives: OE.
Vocational Skill and Skill Enhancement Courses: VSEC.
Vocational Skill Courses: VSC.
Skill Enhancement Courses: SEC.
Ability Enhancement Courses: AEC.
Indian Knowledge System: IKS.
Value Education Courses: VEC.
On Job Training: Internship/ Apprenticeship. OJT
Field projects: FP.
Community engagement project: CEP.
Co-curricular Courses: CC.
Research Methodology. RM
Research Project: RP.
Liberal Learning Course: Lib. Learn.
Courses on Humanities, Social Science, and Management: HSSM
Note: The Credit Distribution Table given above is illustrative only. Autonomous Colleges may suitably modify within the broader framework of credit distribution across seven verticals and as per the AICTE rules and regulation

Credit specification:

*Theory/Tutorial Courses. One hour/credit/week (A minimum of 15 hours of teaching per credit is required in a semester.

* Laboratory performance based courses. A minimum of 30 hours per credit in laboratory or performancebased activities is required in a semester.

Two hour/Credit/Week

*Seminar/Group activities. 15 hours of participation in seminar/group discussion activity per credit in a semester is required.

Internship. Credits for internship shall be one credit per two weeks of internship (or 36-



40 hours of actual engagement)

*Community engagement project. 30 hours of contact time per credit in a semester along with 15 hours of activities such as preparation of community engagement service, preparation of report etc.

11.3 Choice of Major and Minor Subjects/ Discipline:

Major (Core) Subject is the Engineering/ Technology discipline or subject of main focus and the degree will be awarded in that discipline/ Subject. Students should secure a minimum 50% of total credits through Core Courses (mandatory courses, electives, vocational courses, Internship/ Field Projects/ Apprenticeship/ Community Engagement Projects, Seminars, and Group Discussions).

In addition, for the award of Bachelor's Degree- with Double Minor OR Honors students shall have to earn additional 18-20 credits by opting for courses of Emerging Specializations or the Same Discipline, respectively.

For the award of Bachelor's Degree- Honors with Research, students shall have to earn additional 18-20 credits through Research Project or Dissertation.

Courses on Indian Knowledge System (IKS)

The concerned academic authorities, while defining the curriculum for modules/courses on IKS, may take the support of the Indian Knowledge System (IKS)

12.0 Teacher Guardian/ Faculty as Mentor:

A student or a group of students is assigned to a faculty advisor from the concerned department, who will mentor the student from his first semester to final of B.Tech. in the Institution.

The students are expected to consult the faculty advisor on any matter relating to their academic performance and the courses they may take in various semesters / summer terms.

The faculty advisor is assigned to extend guidance to the students enabling them to complete their courses of study for the required degree in a smooth and timely manner. The faculty advisor is the person to whom the parents/guardians should contact for performance related



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issues of their ward. In view of the guidance to the students, the role of faculty advisor is outlined as below

- 12.1** Guidance about the rules and regulations of the courses of study for a particular degree.
- 12.2** Pay special attention to weaker students. Guidance to the advanced learners for horizontal and vertical academic growth, Liaison with parents for the academic performances and other personal problems of their wards.

13.0 Course Completion:

A student will have to complete all the requirements for the courses at which he/she is registered. The HoD will report the names of students who failed to complete the stipulated requirements in course(s), if any, to CoE at least 07 days ahead of commencement of ESE. Such student will not be permitted to take the ESE for the courses where he/she has not completed the course requirements. He/she shall, however, be eligible to take the ESE in other courses where he/she has completed the course requirements satisfactorily.

14.0 Evaluation:

The CoE will decide from time to time on the system of examinations in each course in each semester. The current practice of Assessment is as follows:

14.1 Internal Marks Distribution Parameter for B-Tech:

Parameters for Continuous Evaluation (CE).

Sr. No.	Parts	Marks	Marks
01	Mid Term Examination - I	15	8
02	Mid Term Examination - II	15	8
03	Teacher Assessment	10	4
	Total Internal Marks	40	20

End Semester Examination (ESE) will be of 60 Marks and no condition of minimum passing in every course for UG whereas minimum passing in every course is 15 Marks in PG.

End Semester Examination (ESE) will be of 30 Marks and no condition of minimum passing in every course for UG whereas minimum passing in every course is 8 Marks in PG.

For Teachers Assessment there is no condition of minimum passing out of 40 and 20 Marks.



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For Practical courses of 50 Marks minimum passing condition is 25 Marks.

Combine passing in ESE will be sum of CE Marks and ESE Marks which is 45% in UG and 50 % in PG.

Passing in practical Examination is 50%.

14.2 Teachers Assessment and Students Participation:

Sr.No.	Criteria
01	Overall student behavior
02	Participation in technical / social / cultural / department / inter college /NIT/IIT/NSS/NCC/Unnat Bharat Abhiyan /Institute of National repute /Industry/ Hackathon.
03	Participation in technical paper presentation / publication in State / National / International level.
04	Worked as Forum office bearer / organizing committee member in Technical Event / Social benefit event / Cultural Event etc.
05	Membership of Professional Society.
06	Participation in Courses organized by College / department / other Institute
07	Participation in NPTEL / Swayam / IPR / E-certificate of course etc.
08	Creativity and Entrepreneurship / Placement
	Total- 10/4 Marks

14.3 The instructor shall announce the mode of evaluation and distribution of marks for CA at the beginning of the laboratory course. It is obligatory for students to maintain and submit laboratory journal, drawing sheets, prescribed documentation for the laboratory course, jobs in Workshop and reports, wherever necessary.

14.4 The MTE shall be conducted by the department as per the schedule announced in the academic calendar.

14.5 The ESE shall be conducted for the duration as given in SoE and will be held as per the schedule declared in the Academic calendar for that semester. The detailed time-table for this will be declared at least one week before the commencement of ESE by the CoE.

14.6 The question paper formats will be displayed on notice boards for information of the students. All examinations and other modes of evaluations, under TA, announced by the teachers with the approval of HoD/Chairman of BoS are compulsory.



14.7 Assessment of Seminars, Mini-projects, Projects, Dissertation etc:

Every student has to undertake Seminars/Projects of professional nature and interest. It will be evaluated on the basis of the quality of work carried out, the report submitted and presentation(s) during the Seminar. A panel of examiners shall evaluate the dissertation report and an oral examination shall be conducted in ESE. The assessment of the dissertation work shall be done on preliminary presentation; initiative, interest, effort and regularity shown and oral examination.

14.8 The assessment of the project will be as per the details given in the Scheme of Examination. The TA for the project Phases 1 and 2 will be based on the seminars, reports, technical achievements, analytical skills exhibited in solution to the problem and dissertation.

14.9 Examination form submission: The students shall submit online examination form in order to be eligible for examination.

14.9.1 All the regular student shall submit an examination form for all the courses for which he/she has registered for the semester by date mentioned in the notice of examination published by the institution.

14.9.2 If a student has re-registered for one or more courses in the semester, he/she shall submit an examination form for all the courses for which he/she has re-registered in the semester.

14.9.3 An ex-student shall submit the form for the courses in which he/she has failed in earlier examinations and intends to take the ensuing examination.

14.9.4 A student shall pay the examination fee by on line mode as decided by the competent authority.

14.10 Forego of Continuous Assessment Marks:

14.10.1 The in-sem evaluation of the theory or lab course shall be carried for his first attempt as a regular student and if the student fails then in the subsequent re-sit examination of the same term. If the student does not pass the course and attempts the examination in such course again in any subsequent examination, then he/she shall exercise an option to forego the marks of in-sem examination, if he/she wishes so, while applying for the examination.

14.10.2 If the marks of in-sem are foregone by the student, then his/her marks secured out of 60 shall be proportionately extrapolated to 100.

14.10.3 The decision to forego of continuous Assessment marks will be irrevocable. The facility to forego of continuous assessment will not be applicable to Project in final Year of UG programs.



15.0 The Grading System:

Calculation of SGPA and CGPA:

Degree will be based on SGPA and CGPA calculations since First Semester (Third semester in case of lateral entry students)

a) SGPA and CGPA will be calculated on the basis of the grades as detailed below

i) Conversion of Marks to Grades using Absolute Grading system.

- For each course taken, the student will be assigned with a grade based on the combined performance in all the assessments.
- Table -1 shows the various grades awarded to students with mark ranges as indicated.

Table-1: Award of Grades for Theory Courses

(a) Course/Subject carrying maximum 100 marks (B.Tech)

Marks Range	Grade
$X \geq 91$	AA
$91 > X \geq 85$	AB
$85 > X \geq 76$	BB
$76 > X \geq 66$	BC
$66 > X \geq 56$	CC
$56 > X \geq 45$	CD
$X < 45$	FF
Absent	ZZ

X = Marks obtained out of 100

(b) Course/Subject carrying maximum 50 mark (B.Tech)

Marks Range (for Max 50 marks)	Grade
$X \geq 46$	AA
$46 > X \geq 42$	AB
$42 > X \geq 38$	BB
$38 > X \geq 33$	BC
$33 > X \geq 28$	CC
$28 > X \geq 23$	CD
$X < 23$	FF
Absent	ZZ

X = Marks obtained out of 50



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(c) Award of Grades for Practical Course (B.Tech/M.Tech)

Marks Range (for Max 50 marks)	Grade
$X \geq 46$	AA
$46 > X \geq 42$	AB
$42 > X \geq 38$	BB
$38 > X \geq 34$	BC
$34 > X \geq 30$	CC
$30 > X \geq 25$	CD
$X < 25$	FF
Absent	ZZ

X = Marks obtained out of 50

(d) Course/Subject carrying maximum 100 marks – (M.Tech)

Marks Range	Grade
$X \geq 96$	AA
$96 > X \geq 90$	AB
$90 > X \geq 81$	BB
$81 > X \geq 71$	BC
$71 > X \geq 61$	CC
$61 > X \geq 50$	CD
$X < 50$	FF
Absent	ZZ

X = Marks obtained out of 100

- Audit Course does not carry any credit, hence, will not be considered in the SGPA/CGPA calculation. But the grade card will reflect "Audit Course" and will be awarded with grade as in Table-1(a or b or c). However, the student will have to pass the course with minimum required attendance and evaluation result to clear the semester.

ii) Obtaining Grade Point:

- The academic performance of a student will be graded on Ten-point scale.
- The qualitative assessment of student's performance will be indicated by these grades.
- Each grade is associated with a grade point as listed in Table-2.



Table-2: Grades and Equivalent Grade Points

Grade	Grade Point	Performance
AA	10.00	Outstanding
AB	9.00	Excellent
BB	8.00	Very Good
BC	7.00	Good
CC	6.00	Average
CD	5.00	Pass
FF	0	Fail
ZZ	0	Absent

iii) Calculating SGPA and CGPA

- The grades upto "CD" awarded to student in all the courses shall be converted into a Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).

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

- $$SGPA = S_m = \frac{\sum C_i * P_i}{\sum C_i}$$

Where, S_m = SGPA of „mth“ semester; C_i = Credit of „ith“ Course P_i - Grade point earned of ith course

The CGPA is also calculated by the same manner taking in to account all the courses undergone by a student overall the semesters of a program i.e.

- $$CGPA = \frac{\sum C_j * P_j}{\sum C_j}$$

Where, P_j = Grade points earned in the jth course;

C_j = Credit of jth course up to semester for which CGPA is to be calculated.

$J = 1, 2, \dots, m$ represents the number of courses in which a student is registered up to the semester for which CGPA is to be calculated.



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SGPA and CGPA shall be rounded off to two decimal points and reported in the grade card/transcripts.

iv) Incentive credits to the students participating in NCC/NSS/Games & sports/Cultural Activities/Curricular and Co-Curricular Activities will be awarded as per the Institute prevailing ordinance".

16.0 Class/Division:

The class/division in academic performance of the student for the completed duration of program to be classified as follows:

- a) First Class with distinction: CGPA 7.5 and above,
- b) First Class: CGPA 6.0 and above, but less than 7.5, and
- c) Second Class: CGPA less than 6.0

As per requirements, the conversion of the performance index CGPA into equivalent percentage of marks, the formula shall be used is-

$$\text{Percent Marks} = (\text{CGPA} - 0.75) * 10.$$

$$\text{Percent Marks} = (\text{CGPA}) * 10.$$

17.0 Transparency in written examinations:

Rules for Answer book showing (Digital) and Revaluation of the Answer books:

17.1 Applying for the access of digital answer book and applying for Revaluation will be **two independent processes.**

17.2 Students can directly apply for revaluation of valued answer books without applying for access to digital answer book.

17.3 Students shall be provided access to their valued answer book through the official log in of their concern heads of the departments. No photo copy of valued answer book shall be provided to the students.

17.4 If the examinee is not satisfied with the marks awarded/ totaling of the marks/ omission of answer checking than he/she may independently apply for revaluation in the prescribed form within the stipulated period and in the manner prescribed.

17.5 This revaluation facility shall be availed only **for theory papers.**

17.6 The revaluation as well as access to digital copy of valued answer book **shall not be permitted** in respect of the marks awarded to the **practical examination /term work/project work / dissertation / internal assessment / term work** (including theory part) and in **viva voce /oral / practical** examinations.

17.7 The prescribed application form for access to digital copy of valued answer book can be obtained from the Master Soft ERP using students own log in credentials, against the online



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payment of Rs 100/- per subject per answer book, using Master Soft ERP online payment gateway facility.

17.8 The non-refundable prescribed fees of **Rs.500/- per subject per answer book** for the purpose of revaluation shall be paid by the examinee. The said fee shall be remitted through on-line payment using Master soft ERP Payment Gateway.

17.9 After the re-valuation of answer sheet if there is an increase/decrease of minimum 10% in marks obtained by the student during revaluation than only it shall be considered valid and fresh entry shall be done in tabulation and grade card with remark as "MODIFIED"

In short there must be an increase/decrease of 10% between the marks originally awarded and the marks obtained after re-valuation.

17.10 Stipulated time period for applying to digital copy of answer book is within three days inclusive of date of announcement of result.

17.11 Stipulated time period for applying for revaluation is within seven days inclusive of date of announcement of result.

18.0 Re-sit Examination:

The students, who have secured the "FF" grade in a course, shall apply for the re-sit examination within seven days of declaration of result, by paying the prescribed examination fees. The re-sit examination for students shall be held within 30 days from the date of declaration of result of ESE of a particular semester. A student shall be permitted to take the ESE as well as re-sit of ESE of his/her regular term. In case, student fails in both the ESE and its re-sit of regular term, in the subsequent semester, he/she shall be permitted to take the ESE only. But the re-sit examination will be offered to him/her, if there are regular students for those courses in the ESE of a particular semester. Pattern for Re-sit with example as,

Year	Examination	Semester	Eligible students for the examination
1 st Year	Winter - 23	1 st Sem ESE –Regular.	All regular students of 1 st Sem
1 st Year	Winter - 23	RE-SIT	Failure students of 1 st Sem
1 st Year	Summer - 24	2 nd Sem ESE-Regular	All regular students of 2 nd Sem
1 st Year	Summer - 24	RE-SIT	a) Failure students of 2 nd Sem b) Ex-students of 1 st Sem
Year	Examination	Semester	Eligible students for the examination
2 nd Year	Winter - 24	3 rd Sem ESE-Regular	All regular students of 3 rd Sem
2 nd Year	Winter - 24	RE-SIT	a) Failure students of 3 rd Sem b) Ex- students of 1 st Sem & 2 nd Sem.
2 nd Year	Summer - 25	4 th Sem ESE-Regular	All regular students of 4 th Sem
2 nd	Summer-25	RE-SIT	a) Failure students of 4 th Sem



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Year	Examination	Semester	Eligible students for the examination
3 rd Year	Winter - 25	5 th Sem ESE - Regular	All regular students of 5 th Sem.
3 rd Year	Winter - 25	RE - SIT	a) Failure students of 5 th Sem b) Ex- Students of 1 st /2 nd /3 rd /4 th Sem.
3 rd Year	Summer - 26	6 th Sem ESE - Regular	All Regular Students of 6 th Sem.
3 rd Year	Summer - 26	RE-SIT	a) Failure students of 6 th Sem. b) Ex-Students of 1 st /2 nd /3 rd /4 th /5 th Sem.
Year	Examination	Semester	Eligible students for the examination
4 th Year	Winter - 26	7 th Sem ESE - Regular	All regular students of 7 th Sem.
4 th Year	Winter - 26	RE - SIT	a) Failure students of 7 th Sem b) Ex- Students of 1 st /2 nd /3 rd /4 th /5 th /6 th Sem.
4 th Year	Summer - 27	8 th Sem ESE - Regular	All Regular Students of 8 th Sem.
4 th Year	Summer - 27	RE-SIT	a) Failure students of 8 th Sem. b) Ex-Students of 1 st /2 nd /3 rd /4 th /5 th /6 th /7 th Sem.

19.0 Award of ranks under autonomous scheme:

19.1 Merit ranks will be declared only for those students who have

- a) been directly admitted to a course in the Institution under autonomous regulations, and
- b) completed the entire course in the Institution only within the minimum possible prescribed time limit, and
- c) passed all courses prescribed for that program in first attempt only (i.e. he/she has not secured "FF" grade in any course).

19.2 Academic performance will be the sole criterion for award of Merit Rank.

20.0 Attendance:

20.1 Regular 100% attendance is expected of all students for every registered course in theory, tutorials, laboratory and workshop.

20.2 A maximum of 25% absence in the attendance may be condoned only on valid grounds.

20.3 A student can seek con-donation of absence due to death in family or other emergency beyond student's control. However, students seeking con-donation should inform the college authorities immediately and should seek sanction of the absence within a week after



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joining. The student should submit the documentary evidence to the college authority.

20.4 A student seeking sanction of leave on medical grounds should submit the medical certificate from registered medical practitioner on joining. This shall be approved by the DAMC.

20.5 The students participating in Sports / Cultural event during a semester, shall be eligible for the maximum number of 10 days of absence. Any waiver in this context shall be on the approval of HoD. The class teacher shall inform the concerned HoD in advance. No cognizance shall be taken after the HoD announces the irregularity of the student. This, however, shall be over and above the limit of con-donation of 25% of absence as mentioned in 20.2

That means for such students who are meaningfully and actively engaged in various activities of the college as stated below are eligible for additional 10 % of condonation in absence with due approval from HOD.

20.6 The following activities shall be considered for con-donation of attendance

- a) Sports and Games: Inter collegiate, Inter zonal, Inter University, State level, national level or Open tournaments
- b) Camps and expeditions of National Cadet Core
- c) National Social Service camps
- d) Cultural Programs promoted by University, or reputed organizations
- e) Seminar / Symposia, paper presentation, Quiz competitions
- f) Leadership courses organized by authorized organizations
- g) Training programs
- h) Guest Lectures
- i) Students Association activities
- j) Projects in industries / organizations
- k) Placement activities
- l) Any other; with the prior approval of the Principal

20.7 A student having attendance lower than 75% in a course, whatsoever may be the reason is prevented from appearing in the End-Semester Examination (ESE) for that course in that semester and the student will have to re-register for the course as and when it is offered. In such cases the student will be given "I" grade. The continuous assessment of laboratory course shall be null and void in such cases and the student shall have to re-register for the laboratory course as and when it is offered.



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20.8 The attendance shall be counted from the date of commencement of classes as per academic calendar of the Institution.

21.0 Conduct and Discipline of the students:

21.1 Introduction:

Every student is required to observe discipline and decorous behavior both inside and outside the campus and not to indulge in any activity, which will tend to bring down the prestige of the Institution.

21.1.1 The following additional acts of omission and/or commission by the students within or outside the precincts of the College shall constitute gross violation of 'code of conduct' and will be punishable.

21.1.2 A student admitted to the UG programme shall abide by the "Rules and Regulations" issued by the Institution from time to time. These standing orders shall deal with the discipline of the students in the Hostels, Departments, inside and outside of the Institution premises. The standing orders may also deal with such other matters as are considered necessary for the general conduct of the students, co-curricular and extra-curricular activities.

21.1.3 Students should be aware that any rule imposed by the institution, University and Government is binding on him/her.

22.0 Identification Documents:

22.1 Every Student admitted will be issued a photo identification card which must be retained by the student while he or she is registered at Institution. The ID card will remain as the property of Institution. The student must possess the valid ID card while in the institution.

22.2 The valid ID card must be presented for identification purposes as and when demanded by authorities. Any student refusing to provide the ID card shall be subjected to disciplinary action.

22.3 Any student who alters or intentionally mutilates an ID card or who uses the ID cards of another student or allows his ID card to be used by another will be subjected to disciplinary action.

23.0 General Conduct within campus:

23.1 Students are required to move silently through the corridors without disturbing the nearby classes and laboratories.

23.2 Nobody should sit on the corridor walls or steps of the buildings.



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23.3 Give way to teachers, staff and visitors while moving in the corridors, on the staircases and other places in the campus.

23.4 Behave in such a manner that suits a cultured engineer.

23.5 Student should take care of their belonging in any case, college will not responsible for that.

24.0 Uniform:

24.1 All the students are required to wear the college uniform on campus.

24.2 The boys are required to tuck in their shirts.

24.3 The uniform should not have additional colors / embroidery / other complex designs etc.

25.0 Common Off / Absence:

Remaining absent from the institution without prior permission of the authority is strictly prohibited.

25.1 The students involved in common off are liable to heavy fine, and punishment as decided by the Institution from time to time.

25.2 The students involved in common off or having less attendance in class shall be liable for disciplinary action.

25.3 If a student remains absent for a period of 05 days or more for a valid reason, he is required to apply to the HoD and take prior permission.

25.4 Decision about the absence of the student for genuine reasons is reserved with the HoD.

26.0 Seeking Guidance:

26.1 For any academic matters the student shall contact the course teacher first and then HoD.

26.2 For any other personal grievances / problems, student shall first contact Teacher Guardian and then HoD. The students should share their worries with their friends, teachers, staff and HoD.

26.3 For any specific problem the student can contact the Principal to seek the guidance.

27.0 Misbehavior:

The students indulging in following acts shall be treated as misbehavior and will be liable for the punishment.



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- 27.1 Lack of courtesy and decorum, as well as indecent behavior;
- 27.2 Submission of wrong / false / incorrect information at the time of admission or during the tenure in the Institution;
- 27.3 Infringement of instructions of security guard
- 27.4 Misbehaving with the faculty or staff of the Institution
- 27.5 Misbehaving in the hostel premises or Institution premises
- 27.6 Parking in unauthorized places
- 27.7 Willful damage of property of the Institution/faculty/staff or of fellow students;
- 27.8 Use vehicles to move within the campus
- 27.9 Possession / consumption / distribution of alcoholic drinks and banned drugs;
- 27.10 Mutilation or unauthorized possession of library material, like Books, etc.;
- 27.11 Noisy and unseemly behavior, disturbing peace in the College
- 27.12 Hacking in computer systems, either hardware or software or both;
- 27.13 Using unfair means in the examinations;
- 27.14 Throwing the garbage outside the dustbins
- 27.15 Wasting Water and Electricity in the institution
- 27.16 Resorting to plagiarism;
- 27.17 Writing on benches, walls or doors or defacing the property of Institution
- 27.18 Any act of indiscipline of a student reported to the H O D (Students Activities)
- 27.19 Any other act which will damage the image of the Institution in the society.
- 27.20 Using Mobile phones during the Instructional hours and within the Institution Building, Library, Reading room etc

28.0 Habits:

Smoking/chewing tobacco, pan, pan masala, or derivatives of tobacco, spitting and drinking alcohol are strictly prohibited in hostel building and premises. It is also a criminal offence as per the existing law provisions. All those who are found indulging in these activities will be charged as per the IPC rules and a strict action will be taken.

29.0 Action against ragging:

- 29.1 As per due provision of Maharashtra prohibition of Ragging Act 1999 Ragging is a non-bailable cognizable offence. Whosoever indulges in ragging either-directly or indirectly shall be liable for punishment amounting to imprisonment up to 2 years and



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fine of Rs. 10,000/- along with dismissal from the institution.

29.2 Ragging within or outside of the institution is strictly prohibited.

29.3 Whosoever directly or indirectly commits, participates in, abets or propagates ragging within or outside the institution shall be liable for the punishment as per the existing provisions of law and act.

29.4 The cases of ragging reported to the Institution authorities shall be forwarded to the Special Anti-Ragging Committee constituted as per the directions of Hon. Supreme Court of India.

29.5 The Anti-ragging Committee will investigate the matter and recommend the suitable action to be taken against the accused students.

30.0 Disciplinary action:

30.1 The student should strictly obey the rules and regulations given above. Violation of any of the above rules by the students shall be dealt with disciplinary action to the extent of even expelling him from the Institution and /or hostel.

30.2 The cases of indiscipline shall be reported to Disciplinary Action Committee (DAC). DAC shall enquire into the charges and recommend suitable action if the charges are substantiated.

30.3 The decision of Disciplinary Action Committee (DAC) shall be final and Binding on the student and his parents.

30.4 If a student is found indulging in anti-national activities contrary to the provisions of acts and laws enacted by Government, he shall be liable to be expelled from the institution without any notice.

30.5 In case of severe and serious matters, if required, a separate Discipline Committee may be formed by the Principal, depending on the nature of the matter.

31.0 Transitory Regulations:

These regulations are applicable to students who were discontinued for some reasons and rejoin the program, then he/she shall be governed by the scheme of examination, syllabus contents and the rules and regulations in force at the time of rejoining of student. A candidate, who is detained or discontinued in the year/semester, will be admitted to the same semester on paying the prescribed fees. On readmission, he/she shall be required to pass in all the courses in the curriculum prescribed for such batch of students in which the student joins subsequently. However, exemption will be given to those candidates who



have already passed in such courses in the earlier semester(s) he was originally admitted into.

32.0 Termination from the program:

The admission of a student to the UG and PG program may be terminated and the student may be asked to leave the institution if the student fails to satisfy the norms of discipline specified by the Institution from time to time.

33.0 Eligibility for award of Degree:

A student shall be eligible for the award of the degree only if the student has

- a) Passed all prescribed courses.
- b) Satisfied minimum academic requirements.
- c) Satisfied all requirement specified by the concerned department; if any.
- d) Satisfied all requirements specified by the Academic Council and/or ordinances.
- e) Paid all the dues to the institute, and
- f) No pending case of indiscipline.

34.0 Betterment/improvement of CGPA:

34.1 A student who has completed all the requirements for award of degree but whose CGPA is less than minimum threshold limit for award of class / division may reappear for the End Semester Examination in any of the theory courses as and when conducted, for the purpose of improving the aggregate/ CGPA. He/she shall apply to the Institution for improvement of grades in theory courses within 45 days after the declaration of result which makes him eligible for award of degree. This reappearance shall be within a period of two academic years after becoming eligible for the award of the Degree.

34.2 However, this facility shall not be available to candidate who has been awarded the Degree. Candidates shall not be permitted to reappear either for Mid Term Examinations or End Semester Examinations in Practical courses (including Project Viva voice) for the purpose of improvement. The student will be awarded the best of grades obtained at original attempt and second/subsequent attempt.

34.3 A revised Grade Card shall be issued to the candidate after incorporating the grades secured in subsequent improvements and on surrendering the original grade card.



35.0 Provisional Certificate:

The students, who have completed all requirements as set out in these rules and regulations, will be eligible for issue of "Provisional Certificate" from the institution, duly signed by the CoE.

36.0 Degree Certificate:

36.1 After successful completion of the program at the Institution, the student will be eligible for award of degree in subsequent convocation of the RTMNU. The University Degree Certificates will be distributed from the Institution office to all successful candidates once received from the RTMNU.

36.2 A student can claim the degree certificate in person from the office of CoE after submitting the copies of grade sheets of all semesters and proving his identity. He/she shall produce either a photo identity card of the Institution, driving license with photo, passport, photo identity card issued by present employer or credit card of reputed bank bearing a photo.

36.3 A student can request the degree certificate through a messenger. In such case, a student should authorize the messenger to receive the degree certificate on his behalf. The above mentioned documents will, however, be mandatory for the messenger.

37.0 Issue of Transcripts:

Candidates can apply for transcripts by submitting the photocopies of the grade sheets to the Office of Controller of Examinations and submitting the prescribed fees, if any.

The Transcripts, after attestation by the Assistant Registrar the Institution, will be placed in sealed covers and will be handed over, in person, to the candidate. The transcripts can also be sent directly to the University, provided the candidate requests and furnishes envelopes with necessary postage stamps affixed along with the addresses of the Universities to which the transcripts are to be sent.

38.0 Merit List, Medals and Citations Preparation of Merit/Rank List:

The merit list shall be prepared for each programme offered under Autonomy, based on CGPA. The merit list shall be declared from amongst the students satisfying following eligibility criteria

- a) Student must have taken admission to entry level semester of the degree program under autonomy. No student absorbed from RTMNU will be considered.
- b) Student must have completed the programme in minimum duration for the said



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programme.

- c) Student must have successfully completed all the courses that are required for successful completion of the programme as per the Scheme of the Examination in the first attempt.

- 38.1** The merit list (provisional and final) shall be prepared by Tabulation committee and shall be notified by Controller of Examinations, on behalf of **Examination** Committee.
- 38.2** The merit list shall be prepared in two stages, the first stage being the provisional merit list.
- 38.3** The notified lists, provisional as well as final, shall be given wide publicity and shall be available on the departmental notice boards.
- 38.4.** If anyone has any objection to the name(s) in the notified provisional merit list, the same shall be raised within 10 days after publishing the provisional merit list. The objections raised shall be submitted in writing giving the details in all respects, to the office of Controller of Examinations.
- 38.5** The Controller of Examinations shall scrutinize the objections received and direct the Tabulation Committee to incorporate the objections, if found correct. The amended merit list shall be called as Final Merit List and shall be published on the college website and notice boards.

38.6 Medals and Citations:

Awards of prizes, medals, scholarships or any other honors shall be based on the rank secured by the student consistent with the desire of donors, wherever applicable, and as per rules of the Institution.

39.0 Data verification:

The organizations may need to verify the data of the students who graduated from the Institution for employment purposes / further education. Such requests shall be made on the letterheads of the organizations, which need the verification and shall state the personal and academic details of the student including the name, year of graduation and branch/specialization of study. An email from the official accounts of the organizations will also be allowed in lieu of letter. The CoE shall verify the data and the verification report will be sent within five working days. A processing fee of Rs. 200/- will be charged for issue of verification report. The processing fee shall be waived in case of recruitment's done on campus or for major employers, at the discretion of the Principal/Director.



40.0 Rules for physically challenged candidates:

- 40.1** Chief officer Incharge/ Officer incharge shall provide writer to the blind examinee with extra time of one hour and to the physically handicapped examinee with extra time of half an hour over and above the stipulated time limit of the paper to write answers after verifying the medical certificates issued by the civil surgeon / orthopedic surgeon / competent authority . The writer should be lesser qualified than the blind / physically handicapped student.
- 40.2** Chief officer Incharge/ Officer incharge provide at his level the facility of giving extra half an hour over and above the stipulated time of the paper to write answers during the examination of paraplegics , orthopedic-ally handicapped students who have hand coordination problem and to the visually handicapped students after verification of medical certificate issued by the civil surgeon / orthopedic surgeon / competent authority.
- 40.3** Chief officer Incharge/ Officer incharge shall send to controller of examinations the details of such cases as mentioned in clause 40.1 and 40.2.
- 40.3** Chief officer Incharge/ Officer incharge shall make the seating arrangement for physically handicapped examinee on ground floor room of the examination centre.
- 41.0 Rules and regulations applicable to new programs that may be introduced in future:**

The rules and regulations published here will be applicable to the new programs that will be started by the Institution in the same categories in future. The Institution will add rules for the courses that will be started and not covered in these rules.

42.0 Amendments to Rules and Regulations:

The BoM may, from time to time, revise, amend, or change the rules and regulation, SoE, and Syllabi proposed by BoS and recommended by AC.

43.0 Interpretation of Regulations:

In case of any dispute, difference of opinion in interpretation of these regulations or any other matter not covered in these regulations, the decision of the Chairman, Academic Council shall be final and binding.

44.0 Emergent Cases:

Notwithstanding anything contained in the above regulations, the Chairman of the BoM/Academic Council may, in emergent situations take action on behalf of the



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BoM/Academic Council as he deems appropriate and report it to the next meeting of the BoM/Academic Council for its approval.

45.0 Grace Marks:

- 45.1** Grace marks shall be awarded for enabling an examinee for passing an examination in a subject(s). i.e. The grace marks shall be awarded only when the result in the examination changes to "pass".
- 45.2** The stated rules of Grace Marks shall be Applicable to End Semester Examination only.
- 45.3** In an examination an examinee/ student shall be eligible for award of maximum Grace marks of 1% of the total aggregate marks prescribed for that examination.
- 45.4** If the total grace marks awardable result in a fraction, it shall be converted to next higher integer.
- 45.5** Grace marks shall be added to the aggregate marks/ grand total secured by an examinee in the examination.
- 45.6** The award of grace marks shall be reflected in the statement of marks with indication that Grace marks are only for passing the examination.
- 45.7** The grace marks shall be shown by one asterisk (viz *) with added mark(s) above the head or right side of the original marks in tabulation register and also shown in grade card. The following sign with a note shall be printed at the bottom of the grade sheet.

"Note: (*) pass by grace marks

- 45.8** Provision of grace shall not be applicable to the examinee who remains absent for theory examination or part of it.
- 45.9** Provision of grace shall not be applicable to the examinee for Practical and project examination.
- 45.10** The provision of the award of grace marks shall not be available for seeking exemption(s) in one or more paper(s)/subject(s).
- 45.11** The examinee passing the examination with grace marks shall not be eligible for any medal(s), prizes or any other awards pertaining to that examination.
- 45.12** The grace marks shall not be awarded to audit courses.
- 45.13** The examinee is eligible for maximum 1% grace marks of total marks prescribed for the examination in maximum three passing heads/subjects.
- 45.14** If the examinee fails in one subject only then he/she is eligible for maximum 1% grace marks of total marks prescribed for the examination.



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45.15 If the examinee fails in more than one subjects, then in one subject not more than 3 Marks will be awarded. If paper is of 100 Marks maximum 3 marks as grace marks shall be allotted and for a paper of 50 Marks maximum 2 marks will be awarded as grace marks.

46.0 A.T.K.T Rules:

- i) For calculation of passing heads, any decimal fraction should be rounded off to lower digit.
- ii) Passing the semester shall include all the credit and audit subject heads.
- iii) For getting promotion in the higher class (under ATKT) a student must obtain minimum 50% subject heads prescribed for a particular year, comprising two semesters.
- iv) Eligibility condition for admission into second year UG (III and IV semester), A student must have passed minimum 50 % of the total subject heads of first year (I and II semester).
- v) Eligibility condition for admission into Third year UG (V and VI semester), A student must have passed all the subject heads of first year and must have passed minimum 50 % subject heads of second year (III and V semester)
- vi) Eligibility condition for admission into Fourth year UG (VII and VIII semester), A student must have passed all the subject heads of first year and second year and must have passed minimum 50 % subject heads of Third year (V and VI semester).
- vii) Eligibility condition for admission into second year PG (III and IV semester), A student must have passed minimum 50 % of the total subject heads of first year (I and II semester).

Rules governing student's progression to higher academic semester and higher academic year during four year engineering program are as follows.

Eligibility Criteria for Admission and Examinations:

The A.T.K.T. rules shall be as under for B.Tech. and M.Tech. faculty Theory, Practical and Audit subject shall be considered as separate passing heads.



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(Session 2023-24 & onwards admitted to 1st year)

Admission and Examinations to Semester	Candidates should have passed in all the subjects of following examination	The candidate should have completed the term and filled the exam form	For getting promotion in the higher class (under ATK) a student must pass minimum 50% heads prescribed for a particular year comprising two semesters.
1st Sem	As per DTE/Admission Regulating Authority Norms.	--	--
2nd Sem	--	1st Sem	--
3rd Sem	--	2nd Sem	1st & 2nd semester
4th Sem	--	3rd Sem	--
5th Sem	1st & 2nd semester	4th Sem	3rd & 4th Semester
6th Sem	--	5th Sem	--
7th Sem	3rd & 4th Semester	6th Sem	5th & 6th Semester
8th Sem	--	7th Sem	--

Rule for progression from 1st Semester to Second semester (First year of four year engineering program)

Student must have submitted the examination form of **First Semester** and he/she must have been allotted the valid roll number than he/she will be eligible for admission to second semester.

If student have not submitted the examination form of first semester in that case he/she is **not eligible** for taking admission to second semester.

If student have submitted the examination form of first semester and got the valid roll number but he/she **remained absent from entire examination** in that case also he/she **is eligible** for admission to second semester

Rule of progression from second semester to third semester. (Second year of four year engineering program)

The student must have passed at least **50% of total subject heads** including theory / laboratory/practical activities and audit courses of **first and second semester taken together.**



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If student have not cleared at least 50% of the total subject heads including theory/practical/practical activities and audit courses of **first and second semester taken together** than he/she **will not be eligible** for admission to third semester.

Rule of progression from third semester to fourth semester.

Student must have submitted the examination form of **Third Semester** and he/she must have been allotted the valid roll number than he/she will be eligible for admission to fourth semester.

If student have not submitted the examination form of third semester in that case he/she is **not eligible** for taking admission to fourth semester.

If student have submitted the examination form of third semester and got the valid roll number but he/she **remained absent from entire examination** in that case also he/she is **eligible** for admission to fourth semester

Rule of progression from fourth semester to fifth semester.(Third Year of four year engineering program)

The student must have passed at least 50% of total subject heads including theory/laboratory/practical activities and audit courses **third and fourth semester taken together.**

If student have not cleared at least 50% of the total subject heads including theory/practical/practical activities and audit courses of third and fourth semester than he/she **will not be eligible** for admission to fifth semester.

Rule of progression from fifth semester to six semester.

Student must have submitted the examination form of **Fifth Semester** and he/she must have been allotted the valid roll number than he/she will be eligible for admission to six semester.

If student have not submitted the examination form of first semester in that case he/she is **not eligible** for taking admission to six semester.

If student have submitted the examination form of fifth semester and got the valid roll number but he/she **remained absent from entire examination** in that case also he/she is **eligible** for admission to Six semester



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Rule of progression from sixth semester to seven semester(Fourth year of four year engineering program)

The student must have passed at least **50% of total subject heads** including theory/ laboratory/practical activities and audit courses of **fifth and sixth semester taken together.**

If student have not cleared at least 50% of the total subject heads including theory/ practical/practical activities and audit courses of **fifth and sixth semester taken together** than he/she **will not be eligible** for admission to third semester.

Rule of progression from seven semester to eight semester.

Student must have submitted the examination form of seven Semester and he/she must have been allotted the valid roll number than he/she will be eligible for admission to eight semester.

If student have not submitted the examination form of seven semester in that case he/she **is not eligible** for taking admission to eight semester.

If student have submitted the examination form of seven semester and got the valid roll number but he/she **remained absent from entire examination** in that case also he/she **is eligible** for admission to eight semester.

NOTE: Before taking admission to any higher semester/ higher year of four year of engineering program the student shall clear all their financial dues and produce the receipt/ no due certificate to the admission authority.

47.0 Absorption Scheme:

The students from Institute, desirous of seeking admission to autonomous pattern, has to fulfill the norms of absorption/equivalence decided by the Academic Council on the recommendations of the Equivalence Committee from time to time. The additional time and number of attempts needed to secure earlier semester credits will be specified by the equivalence committee. The equivalence committee will be comprising of HoD, Controller of Examination and Chairman of BoS for the program to which the student seeks admission.



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48.0 Student Name on Grade Card and Degree Certificate:

Naming convention:

It is resolved to adopt, without an exception, the naming convention on student's Grade Cards/Marks Sheets/ Degree Certificates/Transfer Certificate and other official academic documents as per following order.

The order of student's complete name shall be adopted, same as it is mentioned in his/her last qualifying examination.

For ex.1) Student admitted to FY of engineering, his/her name shall be taken, same as it is mentioned in his/her 12th qualifying examination.

2) Student admitted to direct second year of engineering, through lateral entry provision, his/her name shall be taken same, as it is mentioned in his/her diploma certificate.

3) Student admitted to PG, M.Tech FY, his/her name shall be taken same, as it is mentioned in his/her B.E graduation degree certificate.

49.0 Guidelines to fabricate Examination Roll Numbers:

Guidelines to fabricate examination roll numbers.

Department_Name	Degree_Code	Programme_Name	Programme_Code	Programme_Type
AERONAUTICAL ENGINEERING	01	AERONAUTICAL ENGINEERING	101	UG
ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	01	ARTIFICIAL INTELLIGENCE AND DATA SCIENCE	102	UG
BIOTECHNOLOGY	01	BIOTECHNOLOGY	103	UG
CHEMICAL ENGINEERING	01	CHEMICAL ENGINEERING	104	UG
CIVIL ENGINEERING	01	CIVIL ENGINEERING	105	UG
COMPUTER SCIENCE AND ENGINEERING	01	COMPUTER SCIENCE AND ENGINEERING	106	UG
COMPUTER TECHNOLOGY	01	COMPUTER TECHNOLOGY	107	UG
ELECTRICAL ENGINEERING	01	ELECTRICAL ENGINEERING	108	UG
ELECTRICAL ENGINEERING	01	ELECTRICAL ENGINEERING (ELECTRONICS & POWER)	109	UG
ELECTRONICS AND COMMUNICATIONS	01	ELECTRONICS AND COMMUNICATIONS	110	UG



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ENGINEERING		ENGINEERING		
ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	01	ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	111	UG
INDUSTRIAL IoT	01	INDUSTRIAL IoT	112	UG
INFORMATION TECHNOLOGY	01	INFORMATION TECHNOLOGY	113	UG
MECHANICAL ENGINEERING	01	MECHANICAL ENGINEERING	114	UG
ROBOTICS AND ARTIFICIAL INTELLIGENCE	01	ROBOTICS AND ARTIFICIAL INTELLIGENCE	115	UG
CHEMICAL ENGINEERING	02	CHEMICAL ENGINEERING	201	PG
ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	02	COMMUNICATION ENGINEERING	202	PG
COMPUTER SCIENCE AND ENGINEERING	02	COMPUTER SCIENCE AND ENGINEERING	203	PG
MECHANICAL ENGINEERING	02	DEFENCE TECHNOLOGY	204	PG
ELECTRONICS AND COMMUNICATIONS ENGINEERING	02	ELECTRONICS & COMMUNICATION ENGG	205	PG
ELECTRICAL ENGINEERING	02	INDUSTRIAL DRIVES AND CONTROL	206	PG
MECHANICAL ENGINEERING	02	MECHANICAL ENGINEERING DESIGN	207	PG
ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	02	VLSI	208	PG
ELECTRICAL ENGINEERING	03	ELECTRICAL ENGINEERING	301	Ph.D.
ELECTRONICS AND TELECOMMUNICATIONS ENGINEERING	03	ELECTRONICS ENGINEERING	302	Ph.D.
MECHANICAL ENGINEERING	03	MECHANICAL ENGINEERING	303	Ph.D.

Roll Number of seven digits.

Sem	Program code			Three digits students number		
1	1	0	1	X	X	X



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Roll Number series for first sem Aeronautical Engineering

1101001 - FIRST SEM Roll No 1 of Aeronautical Engineering (UG) student.

1115001 - FIRST SEM Roll No 1 of ROBOTICS AND ARTIFICIAL INTELLIGENCE (UG) student.

1201001 - FIRST SEM Roll No 1 of Chemical Engineering (PG) student.

2101001 - SECOND SEM Roll No 1 of Aeronautical Engineering (UG) student.

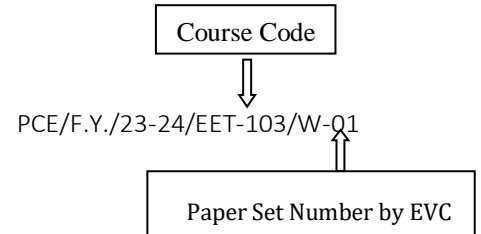


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50.0 Question paper Formats for End Semester Examinations

Effective Session From 2023-2024
 Maximum Marks 30 (100% Syllabus)



PRIYADARSHINI COLLEGE OF ENGINEERING
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 End Semester Examination Winter (2023-2024)
 B. Tech. First Semester (C.B.C.S.)
 Course Name & Code: -----

Total Duration (H: M): 2: 00

Maximum Marks: 30

INSTRUCTIONS TO STUDENTS

- 50.1.1 Each question carries marks as indicated.
- 50.1.2 Solve questions (Q.1 OR Q.2, Q.3 OR Q.4, Q.5 OR Q.6, Q.7 OR Q.8)
- 50.1.3 Assume suitable data wherever necessary.
- 50.1.4 Illustrate your answers wherever necessary with the help of neat sketches.
- 50.1.5 Use of non-programmable electronic calculators is permitted.
- 50.1.6 Use of Mobile and programmable Device are prohibited.

Question No.	Description	Marks	BL	CO
Q-1	*(Set sub Question)	9	-	-
OR				
Q-2	*(Set sub Question)	9	-	-
OR				
Q-3	*(Set sub Question)	9	-	-
OR				
Q-4	*(Set sub Question)	9	-	-
OR				
Q-5	*(Set sub Question)	6	-	-
OR				
Q-6	*(Set sub Question)	6	-	-
OR				
Q-7	*(Set sub Question)	6	-	-
OR				
Q-8	*(Set sub Question)	6	-	-

NOTE :- (*) - Choose Instructions, Other information, Marks and Options in sub questions as per the course and concerned paper setter.

BL- Bloom's Taxonomy Levels (1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5- Evaluating, 6-Creating)

CO - Course Outcomes



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Question paper Formats for End Semester Examinations

Effective From Session 2022-2023

Maximum Marks 60 (100% Syllabus)

Course Code

PCE/F.Y./23-24/EET-103/W-01

Paper Set Number by EVC

PRIYADARSHINI COLLEGE OF ENGINEERING
An Autonomous Institute Affiliated to RTMNU, Nagpur
End Semester Examination Winter (2023-2024)
B.Tech. First Semester (C.B.C.S.)

Course Name & Code: Basic Electrical Engineering (EET-103)

Total Duration (H: M): 3:00

Maximum Marks: 60

INSTRUCTIONS TO STUDENTS

- 1) Each question carries marks as indicated.
- 2) Solve questions (Q.1 OR Q.2 , Q.3 OR Q.4 , Q.5 OR Q.6 , Q.7 OR Q.8 , Q.9 OR Q.10)
- 3) Assume suitable data wherever necessary.
- 4) Illustrate your answers wherever necessary with the help of neat sketches.
- 5) Use of non-programmable electronic calculators is permitted.
- 6) Use of Mobile and programmable Device are prohibited.

Question No.	Description	Marks	BL	CO
Q-1	*(Set sub Question)	12	-	-
OR				
Q-2	*(Set sub Question)	12	-	-
OR				
Q-3	*(Set sub Question)	12	-	-
OR				
Q-4	*(Set sub Question)	12	-	-
OR				
Q-5	*(Set sub Question)	09	-	-
OR				
Q-6	*(Set sub Question)	09	-	-
OR				
Q-7	*(Set sub Question)	09	-	-
OR				
Q-8	*(Set sub Question)	09	-	-
OR				
Q-9	*(Set sub Question)	09	-	-
OR				
Q-10	*(Set sub Question)	09	-	-

NOTE :- (*) - Choose Instructions, Other information, Marks and Options in sub questions as per the course and concerned paper setter.

BL- Bloom's Taxonomy Levels (1-Remembering, 2-Understanding, 3-Applying, 4-Analyzing, 5-Evaluating, 6- Creating)

CO - Course Outcomes



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**51.0 UNFAIR MEANS RESORTED TO BY STUDENTS AT THE INSTITUTION EXAMINATION
AND THE PUNISHMENT FOR EACH CATEGORY**

Sr. No.	Nature of Malpractice	Quantum of Punishment	Total Punishment
1	Possession of copying material	Annulment of the performance of the student at the Institution examination for the course.	01
2	# Possession of Mobile during examination	Annulment of the performance of the student at the Institution examination for the course	01
3	# Actual copying from the copying material from Mobile during examination	Annulment of the performance of the student at the Institution examination for the course/ complete examination. Exclusion of the student from Institution examination for the course, for One additional examination.	1+1
4	# Possession of Mobile during examination & Transferring question paper & Receiving of Answers using mobile	Annulment of the performance of the student at the Institution examination for the course. Exclusion of the student from Institution examination for the course/ complete examination, for Two additional examination. (BOTH STUDENTS/ all involved)	1+2
5	# Helping other examinee in unfair means activity by supplying answers of questions via mobile or in hard copy (Externally)	Exclusion of the student from Institution examination for the complete examination	1 Complete Exam
(Note : This quantum of punishment shall apply also to the following categories of malpractices at Sr. No. 2 to Sr. No. 12 in addition to the punishment prescribed thereat).			
6	Actual copying from the copying material	Exclusion of the student from Institution examination for the course for one additional examination.	1+ 1
7	Possession of another students answer books	Exclusion of the student from Institution examination for the course for one additional examination. (BOTH STUDENTS)	1 +1 Both Students
8	Possession of another students answer books actual evidence of Copying there from	Exclusion of the student from Institution examination for the course, for two additional examinations. (BOTH STUDENTS)	1+ 2 Both Students



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9	Mutual / Mass copying	Exclusion of the student from Institution examination for the course for two additional examination (BOTH STUDENTS)	1+ 2 Both Students
10	a) Smuggling-out or smuggling-in of Question paper/ answer-book as copying material	Exclusion of the student from Institution Examination for the course for two additional examinations.	1+ 2
	b) Smuggling-in of written answer-book based on the question paperset at the examination.	Exclusion of the student from Institution examination for the course for three additional examinations	1+ 3
	c) Smuggling-in of written answer-book and forging signature of the Invigilator Supervisor thereon	Exclusion of the student for Institution Examination for the course for four additional examinations.	1+ 4
11	Attempt to forge the signature of the Invigilator on the answer book or supplement.	Exclusion of the student from Institution examination for the course for four additional examinations.	1 4
12	Interfering with or counterfeiting of Institution seal or answer-books / supplement	Exclusion of the student from Institution examination for the course for four additional examinations.	1+ 4
13	Answer book written outside the examinations hall or any other insertion in answer-books	Exclusion of the student from Institution examination for the course for four additional examinations.	1+4
14	Insertion of currency notes / to bribe or attempting to bribe any of the persons connected with the Conduct of examination.	Exclusion of the student from Institution examination for the course for four additional examination	1+4
Note: This money shall be credited to the Institution Fund.			
15	Using obscene language / violence threat at the examination center by a student to Invigilator / HOD/FYC/ any other person	Exclusion of the student from Institution examination for the course for four additional examinations.	1+4
	Connected with the conduct of examination.		
	a) Impersonation at the Institution examination.	Exclusion of the student from Institution examination for the course for five additional examinations.	1+5



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16	b) Impersonation by a College / Institutions Student at Institution examination	Exclusion of the student from Institution examination for the course for five additional examinations.	1+5
Both the students if impersonator is an Institute student.			
17	Revealing identity in any form in the answer written or in any other part of the answer book by the student at the	Annulment of the performance of the student at the Institution	01
	Institution examination	examinations for the course I	
18	Found having written on palms or on the body, or on the clothes while in the examination.	Annulment of the performance of the student at the Institution examination for the course.	01
19	All other malpractices not covered in the aforesaid categories	Annulment of the performance of the student at the Institution examination for the course and further punishment depending upon the gravity of the offence	01
20	Misuse of Hall Ticket for Unfair Means	Annulment of the performance of the student at the Institution examination for the course.	01
21	If on previous occasion a disciplinary action was taken against a student for malpractice used at examination and he / she is caught again for malpractices used at the examinations, in this event he / she shall be dealt with severely. Enhanced punishment can be imposed on such students. This enhanced punishment may extend to double the punishment provided for the offence, when committed at the second or subsequent examination.		
22	Student involved in malpractices at Practical / Dissertation / Project Report examinations shall be dealt with as per the punishment provided for the theory examination		
23	# Student involved in malpractices at MSE / Practical Examination shall be dealt with as per the punishment provided for the theory examination. (Punishment can be from awarding zero marks in the exam in which he has used malpractices/ Cancellation of MSE-I & MSE-II/ to registration Cancellations in one or more subjects and / or not allow to appear for next one Examinations.		

END