# ACADEMIC REGULATION UNDER GRADUATE PROGRAMME 



## Contents

1.0 Introduction ..... 1
2.0 School Wise UG Programme ..... 2
3.0 Eligibility for Admission ..... 5
4.0 Student Registration. ..... 7
5.0 Curriculum for B. Tech., B. Tech. (Hons.), B. Tech. (Research), and degrees with minor and major ..... 8
6.0 Rules for Examinations ..... 21
7.0 The Grading System ..... 21
8.0 Eligibility for Appearing the Examinations ..... 23
9.0 Supplementary Examination Rules and Regulations ..... 23
10.0 Promotion to Next Year ..... 24
11.0 Guidelines to Appear for the Backlog Courses ..... 24
12.0 Rules for Improvement in CGPA ..... 25
13.0 Guidelines for Summer Term Classes. ..... 25
14.0 Criteria to Appear Make-Up mid Semester Examination ..... 26
15.0 Transfer of Credits to Facilitate Inter-University Transfer ..... 27
16.0 Guidelines for Re-Admission of Year Back Candidates ..... 28
17.0 Award of Degree and Maximum Time Limit for Completion of a programme ..... 29

## REGULATIONS APPLICABLE TO ALL UG PROGRAMME

### 1.0 Introduction

1.1 The provisions of these regulations shall be effective for B.Tech./BBA/BCA/BA.LLB/BBA.LLB/B.Sc/LLB/B.F.D/BFTP /BA/B.Sc/B.Com program offered by KIIT University at any of its campuses.
1.2 These regulations shall also be applicable to any new UG program that may be offered by KIIT University subsequently if and when decided by the University.
1.3 The UG Degree program are offered at present in the following disciplines :

## Discipline

Bachelor of Technology (B.Tech)
Civil Engineering
Mechanical Engineering
Mechanical Engineering (Automobile)
Aerospace Engineering
Mechatronics Engineering

## Course Code

Electronics and Telecommunication Engineering
Electronics and Electrical Engineering
Electronics and Instrumentation Engineering
Electronics \& Computer Science Engineering
Electrical Engineering
(CE)
(ME)
(AS)
(MH)
(EC)
(EE)

Computer Science Engineering
(EC)
(EE)

Computer Science \& Communication Engineering (CC)
Computer Science \& Systems Engineering
Information Technology
(IT)
Bachelor of Architecture (B. Arch) (AR)
Biotechnology-Dual Degree (B.Tech \& M.Tech) (BT)
BA LLB/BBA LLB/B.Sc LLB (LW)
Bachelor of Business Administration (BBA) (BM)
Bachelors in Computer Application (BCA) (BC)
Bachelor of Fashion Design
Bachelor in Film \& Television production (FM)
Bachelor of Commerce (B.Com)
(CB)
Bachelor of Science(B.Sc)
Chemistry (Hons.)
(CY)
Botany (Hons.)
Physics (Hons.) (PH)
Zoology (Hons.) (ZO)
Mathematics (Hons.) (MT)
Computer Science (Hons.)
Bachelor of Arts (B.A)
Economics (Hons.) ..... (ES)
Sociology (Hons.) ..... (SO)
Psychology (Hons.) ..... (PS)
Anthropology (Hons.) ..... (AN)
English (Hons.) ..... (EG)
Odia (Hons.) ..... (OD)
Sanskrit (Hons.) ..... (SA)
Hindi (Hons.) ..... (HN)
Political Science (Hons.) ..... (PO)
History (Hons.) ..... (HI)
Philosophy (Hons.) ..... (PI)
Home Science (Hons.) ..... (HS)
Anthropology (Hons.) ..... (AN)
Education (Hons.) ..... (ED)
Social Work (Hons.) ..... (SW)
Geography (Hons.) ..... (GO)

### 2.0 School Wise UG Programme

| Schools \& Courses |  | Duration |
| :---: | :---: | :---: |
| 1 | School of Civil Engineering |  |
|  | Bachelor of Technology (B.Tech) in Civil Engineering | 4 Years |
| 2 | School of Mechanical Engineering |  |
|  | Bachelor of Technology (B.Tech) in Mechanical Engineering | 4 Years |
|  | B.Tech in Mechanical Engg. (Automobile) | 4 Years |
|  | B.Tech in Aerospace Engineering | 4 Years |
|  | B.Tech in Mechatronics Engineering | 4 Years |
| 3 | School of Electronics Engineering |  |
|  | Bachelor of Technology (B. Tech) in Electronics and Telecommunication Engg. | 4 Years |
|  | B. Tech in Electronics and Electrical Engg. | 4 Years |
|  | B. Tech in Electronics and Instrumentation Engg. | 4 Years |
|  | B. Tech in Electronics \& Computer Science Engg. | 4 Years |
| 4 | School of Electrical Engineering |  |
|  | Bachelor of Technology (B. Tech) in Electrical Engineering | 4 Years |
| 5 | School of Computer Engineering |  |


| Schools 8\% Courses |  | Duration |
| :---: | :---: | :---: |
|  | Bachelor of Technology (B. Tech) in Computer Science Engineering | 4 Years |
|  | B. Tech in Computer Science \& Communication Engg. | 4 Years |
|  | B. Tech in Computer Science \& Systems Engineering | 4 Years |
|  | B. Tech in Information Technology | 4 Years |
| 6 | School of Computer Application |  |
|  | Bachelor of Science in Computer Science | 3 Years |
|  | Bachelors in Computer Application (BCA) | 3 Years |
| 7 | School of Architecture \& Planning |  |
|  | Bachelor of Architecture (B. Arch) | 5 Years |
| 8 | School of Medical Sciences |  |
|  | Bachelor of Medicine, Bachelor of Surgery (MBBS) | 4.5 Years ${ }^{+}$ <br> 1year |
| 9 | School of Dental Sciences |  |
|  | Bachelor of Dental Surgery | 4 Years ${ }^{+}$ <br> 1year |
| 10 | School of Nursing Sciences |  |
|  | Bachelor of Science in Nursing | 4 Years |
|  | General Nursing \& Midwifery ( GNM ) | 3 Years |
| 11 | School of Biotechnology |  |
|  | Bachelor of Technology (B.Tech) \& Master of Technology (M.Tech.) (Dual Degree) in Biotechnology | 5 Years |
| 12 | School of Law |  |
|  | Bachelor of Arts - Bachelor of Legislative Law (B.A.LL.B.) | 5 Years |
|  | Bachelor of Science and Bachelor of Legislative Law (B.Sc.LL.B.) | 5 Years |
|  | Bachelor of Business Administration- Bachelor of Legislative Law (BBA.LL.B.) | 5 Years |
| 13 | School of Management |  |
|  | Bachelor of Business Administration (BBA) | 3 Years |


| Schools \& Courses |  | Duration |
| :---: | :---: | :---: |
| 14 | School of Fashion Technology |  |
|  | Bachelor of Fashion Design | 4 Years |
| 15 | School of Film and Media Sciences |  |
|  | Bachelor in Film \& Television production (BFTP) | 3 Years |
| 16 | School of Social, Financial \& Human Sciences |  |
|  | Bachelor of Commerce | 3 Years |
|  | Bachelor of Arts in Economics (Hons) | 3 Years |
|  | Bachelor of Arts in Sociology (Hons) | 3 Years |
|  | Bachelor of Arts in Anthropology (Hons) | 3 Years |
|  | Bachelor of Arts in Psychology (Hons) | 3 Years |
| 17 | School of Mass Communication |  |
|  | Bachelor of Communication and Journalism (BCJ) Duration | 3 Years |
| 18 | School of Language |  |
|  | Bachelor of Arts English (Hons) | 3 Years |
| 19 | School of Social Science |  |
|  | Bachelor of Science in Chemistry (Hons.) | 3 Years |
|  | Bachelor of Science in Physics (Hons.) | 3 Years |
|  | Bachelor of Science in Botany (Hons.) | 3 Years |
|  | Bachelor of Science in Zoology (Hons.) | 3 Years |
|  | Bachelor of Science in Mathematics (Hons.) | 3 Years |
|  | Bachelor of Arts in Odia (Hons.) | 3 Years |
|  | Bachelor of Arts in Sanskrit (Hons.) | 3 Years |
|  | Bachelor of Arts in Hindi (Hons.) | 3 Years |
|  | Bachelor of Arts In Political Science (Hons.) | 3 Years |
|  | Bachelor of Arts in History (Hons.) | 3 Years |
|  | Bachelor of Arts in Geography (Hons.) | 3 Years |


|  | Bachelor of Arts In Philosophy (Hons.) | 3 Years |
| :--- | :--- | :--- |
|  | Bachelor of Arts in Home Science (Hons.) | 3 Years |
|  | Bachelor of Arts in Education (Hons.) | 3 Years |
|  | Bachelor of Arts in Social Work (Hons.) | 3 Years |

### 3.0 Eligibility for Admission

3.1 For B.Tech. (4years)/ B.Tech \& M.Tech. (Dual Degree) Biotechnology (5years):-

Candidates applying for B.Tech.(4years),B.Tech \& M.Tech. (Dual Degree) (Biotechnology) Course should fulfill the following criteria.
I. Candidates who have passed $10+2$ examination in 2020, 2021 or appearing in $10+2$ examination in 2022 are only eligible to apply for B.Tech (4 years), B.Tech \& M.Tech. (Dual Degree) (Biotechnology) course of the University.
II. Should have studied in regular full time formal education in their schooling / college.
III. Pass in $10+2$ or its equivalent with at least $60 \%$ marks in Physics, Chemistry and Mathematics taken together.
IV. B.Tech. \& M.Tech. (Dual Degree) (Biotechnology). Pass in 10+2 or equivalent with at least 60\% marks in Physics, Chemistry and Mathematics/Biology/Biotechnology taken together.
V. Age should not be more than 21 year.
3.2 For B.Tech. -L.E (3 years):- Pass in three years diploma course in Engineering with at least 60\% marks in aggregate from State Council of Technical Education of any state or equivalent.

Course wise Diligibility Criteria B.TBCH (L,아)

| For Admission Into Following <br> Branches | Eligible Diploma Holders |
| :--- | :--- | :--- | :--- |
| Civil Engg. | Civil Engg. |
| Mechanical Engg./Automobile <br> Engg./Mechatronics/Aerospace Engg. | Mechanical Engg /Automobile <br> Engg/Production <br> Engg./Mechatronics |
| Electrical Engg. |  <br> Electrical Engg |


| Electronics \& Electrical Engg/ Electronics \& Telecomm. Engg./ Electronics \& Computer |  |
| :---: | :---: |
|  | Electrical Engg./ Electronics |
| science Engg. /Electronics \& |  |
| Instrumentation Engg. | Instrumentation Engg./Electronics |
| Computer Science \& Engg./ Information Technology | Computer $\quad$ Science/Information  <br> Technology/Electronics $\& 6$ <br> Telecommuncation Engg. Electronics  <br> Engg./ $\quad$ Electronics $\& 6$ <br> Instrumentation Engg  |
|  |  |
|  |  |
|  |  |
|  |  |

### 3.3 For Bachelor of Architecture (B. Arch) (5 years):-

Pass in 10+2 examination with $50 \%$ marks in Physics, Chemistry and Mathematics and also 50\% marks in aggregate of the 10+2 examination.

Pass in the National Aptitude Test in Architecture (NATA) conducted by the Council of Architecture (COA), New Delhi 2022.

### 3.4 For Bachelor of Science in Nursing (4 years):-

Pass in $10+2$ or equivalent examination with Physics, Chemistry \& Biology and English (PCBE) with at least 45\% marks in aggregate.

Age: Lower age should be 17 years as on $31^{\text {st }}$ Dec $\&$ upper age limit should be maximum 35 years as on $31^{\text {st }}$ Dec.
3.5 For B.A. LL.B/BBA LL.B/B.Sc LL.B (5 years):- $10+2$ pass or equivalent in any stream with at least $45 \%$ marks. For B.Sc. LL.B candidates should have passed $10+2$ or equivalent in the science stream with at least $45 \%$ marks.
3.6 Bachelor of Business Administration (3 years):- Pass in 10+2 in any stream with at least $50 \%$ marks and having Mathematics / Business Mathematics / Economics / Statistics as one of the subjects in 10+2 level.
3.7 Bachelors in Computer Application BCA (3 years):- Pass in 10+2 in any stream with at least $50 \%$ marks and having Mathematics as one of the subjects in $10+2$ level.
3.8 Bachelor of Design (Fashion/Textile) (4 years):- Pass in 10+2 in any stream with 50\% marks in aggregate.
3.9. For Bachelor of Film \&Television Production (3years):- Pass in 10+2 in any stream with $50 \%$ marks in aggregate.
3.10 Master of Mass Communication (Integrated) (5Years):- Pass in 10+2 in any stream with $50 \%$ marks in aggregate.
3.11 Bachelor of Science in Computer Science (3years):- Pass in 10+2 Science or equivalent having mathematics as one of the subjects with at least 50\% marks.
3.12 Bachelor of Arts in Economics (Hons) (3years):- Pass in 10+2 or equivalent with at least 50\% marks.
3.13. Bachelor of Arts in English (Hons) (3years):- Pass in $10+2$ or equivalent with at least $50 \%$ marks.
3.14. Bachelor of Arts in Sociology (Hons) (3years):- Pass in $10+2$ or equivalent with at least $50 \%$ marks.
3.15. Bachelor of Arts in Psychology (Hons) (3years):- Pass in $10+2$ or equivalent with at least $50 \%$ marks
3.16. Bachelor of Commerce (3years):- Pass in $10+2$ in any stream with at least $60 \%$ marks and having Mathematics / Business Mathematics \& Statistics as one of the subjects in $10+2$ level.
3.17. A candidate who has passed IB Diploma from International Baccalaureate Organization, Geneva, Switzerland are eligible to take admission in all the courses where $10+2$ is the eligibility qualification. Other criteria of the eligibility remain as applicable.
3.18 All admissions in the UG Programmes shall be made on the basis of merit in National Level Entrance Conducted by KIIT University, Called KIITEE
3.19 An Additional Supernumerary quota to the extent of 15 per cent of the sanctioned seats shall be provided for admission of N.R.I/F.N students, the admission will be as per the Govt. of India rules.
3.20 Eligibility for admission as well as the curriculum of MBBS, BDS, B.Sc. Nursing and Integrated B.A LLB/B.B.A LLB/B.Sc. LLB are respectively as per the guidelines of National Medical Commission, Dental Council of India, Indian Nursing Council and Bar council of India.

### 4.0 Student Registration

- At the beginning of every semester, a student is required to register in a prescribed format for the requisite courses, out of the courses being offered in the University so as to satisfy the requirement of that semester under the B.Tech Program and a regular student is required to attend all the Theory, Sessional and Practical items for which he/she has registered. Only a student who has some backlogs at the end of the final year at the current level or at a lower level can register for those subjects as an ex-regular student in the prescribed registration form and appear for those papers during the End semester examinations but can be exempted from attending regular classes for the subjects he/she has registered.
- A student, who does not register on the day as announced in the Academic Calendar for registration, may be permitted late registration within the next 03 (three) working days on payment of a prescribed late fee. However under special cases of natural calamity, or calamity in the family and for any other compelling reasons (inclusive of medical reasons), the registration of a student may be allowed up to a maximum of 10 (ten) working days from the date of registration with late fee, after which the registration will close.

Beyond this, only under very special circumstances, registration of a student may be allowed by the Head of the School on the recommendation of the concerned Program Head.

- A student will be allowed to register in a semester if he/she has cleared all the institutional fees.


### 5.0 Curriculum for B. Tech., B. Tech. (Hons.), B. Tech. (Research), and degrees with minor and major

Curricula for UG programmes offered by the University in the light of the policy recommendations enunciated in the National Education Policy 2020.

### 5.1 Curricular Structures for Undergraduate Engineering

The suggested curricular structures for undergraduate engineering are given in Table 1 and Table 2.

Table 1: Structure of B. Tech. (Hons.) Curriculum

| Structure of B. Tech. (Hons.) Curriculum |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Course Category |  |  |  |  |  |  |  | Total |  |
|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |  |
| Humanities | 2 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | $\mathbf{7}$ |
| Soc Science | 0 | 2 | 0 | 3 | 3 | 3 | 0 | 0 | $\mathbf{1 1}$ |
| Science | 12 | 10 | 4 | 4 | 0 | 0 | 0 | 0 | $\mathbf{3 0}$ |
| Engineering Science | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{1 3}$ |
| Professional Core | 0 | 0 | 15 | 15 | 12 | $10^{*}$ | 0 | 0 | $\mathbf{5 2}$ |
| Professional Electives | 0 | 0 | 0 | 0 | 6 | 3 | 3 | 3 | $\mathbf{1 5}$ |
| Open Electives | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | $\mathbf{1 2}$ |
| Summer Internship | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | $\mathbf{2}$ |
| Project | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 9 | $\mathbf{1 6}$ |
| Vocational Course | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | $\mathbf{2}$ |
| TOTAL | $\mathbf{2 0}$ | $\mathbf{2 0}$ | $\mathbf{2 3}$ | $\mathbf{2 2}$ | $\mathbf{2 4}$ | $\mathbf{2 1}$ | $\mathbf{1 5}$ | $\mathbf{1 5}$ | $\mathbf{1 6 0}$ |

*To include a subject to cover elements of Professional Ethics. Code of Conduct, and Nuances of Professional Practice.

Table 2: Structure of B. Tech. (Research) Curriculum

| Structure of B. Tech.(Research) Curriculum |  |  |  |  |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Course Category |  |  |  |  |  |  |  |  | Total |  |
|  | $\mathbf{1}$ | $\mathbf{2}$ | $\mathbf{3}$ | $\mathbf{4}$ | $\mathbf{5}$ | $\mathbf{6}$ | $\mathbf{7}$ | $\mathbf{8}$ |  |  |
| Humanities | 2 | 1 | 2 | 0 | 0 | 0 | 2 | 0 | $\mathbf{7}$ |  |
| Soc Science | 0 | 2 | 0 | 3 | 3 | 3 | 0 | 0 | $\mathbf{1 1}$ |  |
| Science | 12 | 10 | 4 | 4 | 0 | 0 | 0 | 0 | $\mathbf{3 0}$ |  |
| Engineering Science | 6 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | $\mathbf{1 3}$ |  |
| Professional Core | 0 | 0 | 15 | 15 | 12 | $10^{*}$ | 0 | 0 | $\mathbf{5 2}$ |  |
| Professional Electives | 0 | 0 | 0 | 0 | 6 | 3 | 0 | 0 | $\mathbf{9}$ |  |
| Open Electives | 0 | 0 | 0 | 0 | 3 | 3 | 0 | 0 | $\mathbf{6}$ |  |
| Research Core | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | $\mathbf{3}$ |  |
| Research Elective | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | $\mathbf{6}$ |  |


| Summer Internship | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | $\mathbf{2}$ |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Project | 0 | 0 | 0 | 0 | 0 | 2 | 5 | 9 | $\mathbf{1 6}$ |
| Vocational Course | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | $\mathbf{2}$ |
| TOTAL | $\mathbf{2 0}$ | $\mathbf{2 0}$ | $\mathbf{2 3}$ | $\mathbf{2 2}$ | $\mathbf{2 4}$ | $\mathbf{2 1}$ | $\mathbf{1 5}$ | $\mathbf{1 5}$ | $\mathbf{1 6 0}$ |

*To include a subject to cover elements of Professional Ethics. Code of Conduct, and Nuances of Professional Practice.

### 5.2 Rationale Underlying the Curricular Structures

### 5.2.1 Considerations for Designing the Curricular Structures

The following two considerations are made while designing the curricular structures:

1. The multiple Certificate, Diploma, and Degrees that a student can get and their predecessor relationships.
2. The Graduate Attributes and Skills that the students must acquire.

### 5.2.2 The Network Relationships among the Certificate, Diploma, and Degrees

Figure 1 depicts the predecessor relationships among the earned Certificate, Diploma, and Degrees. The arrows in Fig. 1 indicate the precedence relationship to earn a Diploma or Degrees.


Fig. 1: Network Relationships among Certificate, Diploma, and Degree Programmes

### 5.2.2 Graduate Attributes

Engineers are agents of social change. They interact with the common men to know and define current and looming future problems, develop sustainable design solutions using their science and engineering skills, and implement sustainable solutions. Thus the graduating students must

- Acquire knowledge and skills-both technical and soft skills such as communication, leadership, and skills of working in multi-cultural, interdisciplinary teams
- Develop the mental disposition to understand, conceptualize, and define complex, real-world problems,
- Be independent, critical thinkers to inquire into the root causes of the problems,
- Analyze the relevant data and social, economic, and political forces influencing these problems,
- Synthesize knowledge and diverse perspectives and approaches to find technically and financially viable, sustainable, creative, ethical solutions by evaluating novel alternatives,
- Use project planning and scheduling methods, establish institutional mechanisms, and communicate the plans and schedules and inspire the concerned individuals to implement the solutions,
- Imbibe professional values and ethics, and
- Be life-long learners with empathy for others.


### 5.3 The Overall Curricular Structure

The undergraduate engineering curriculum is designed to imbibe in the students the graduate attributes indicated above. Thus, the curriculum includes (1) foundational subjects in the fields of science, engineering science, social sciences, humanities, and vocational courses, (2) depth subjects-both core and elective-related to the respective disciplines, and (3) open electives in diverse fields of science, engineering, social science, management, law and public policy, media studies, fine arts, etc. These subjects reflect a mix of theory, hands-on laboratory practice, short- and long-duration projects, field visits, internship, and extra- and co-curricular activities. The Institute has created many avenues for students to organize, lead, and actively participate in social, cultural, and techno-management functions to develop soft social and behavioral skills. The structure of the curriculum is I-shaped (Fig. 2), with the foundation subjects forming the bottom boxes, the open electives and the extra- and co-curricular subjects constituting the top two boxes, and the
vast number of professional core and elective subjects forming the middle boxes of the I-structure.


### 5.3.1 The Subject Category-wise Break-up of the Credits

The subjects are distributed all through the eight semesters of coursework with the following break-up of the credits as shown in Table 3:

Table 3: Subject Category-wise Break-up of the Credits

| Subject Category | Credit |  |
| :--- | :--- | :--- |
| Semesters the Subjects Span |  |  |
| Humanities | $\mathbf{7}$ | $1,2,3,4$ |
| Social Science | $\mathbf{1 1}$ | $2,4,5,6$ |
| Science | $\mathbf{3 0}$ | 1,2 |
| Engineering Science | $\mathbf{1 3}$ | $1,2,3,7$ |
| Professional Core | $\mathbf{5 2}$ | $3-6$ |
| Professional Electives | $\mathbf{1 5}$ | $5-8$ |
| Open Electives | $\mathbf{1 2}$ | $5-8$ |
| Vocational Course | $\mathbf{2}$ | 3 |
| Summer Internship | $\mathbf{2}$ | 6 or 7 |
| Project | $\mathbf{1 6}$ | $6-8$ |
| Total | $\mathbf{1 6 0}$ | - |

The UGC, AICTE, and ABET guidelines have been largely followed while deciding the subject category-wise credit structures.

### 5.3.2 The Features of the Subject-Categories

The subject-categories have the following features:

- Humanities subjects are designed to improve written and rhetoric skills of students with the help of three theory subject and one laboratory subject. The theory subjects are related to language and literature aspects of English (First Year), Technical Writing (Second Year), and Scientific Writing (Fourth Year). Scientific Writing is included in the fourth year because the fourth-year students carry out projects and write project reports.
- Social sciences include subjects related to a wide array of social, economic, political, global, behavioural, cognitive, and managerial aspects of systems, with the following features:
- Most of these subjects appear as subjects which the students can choose from.
- Considering that a student can exit the programme right after two semesters with a Certificate, a social science elective stream is included in the second semester where subjects like Social and Political Environment, Design Thinking, and Community/Environment-based Group Project appear.
- Entrepreneurship \& Small Business Management, however, has been included as a compulsory subject in the sixth semester, which is the last semester that a student desiring to leave the progrmme with a B. Tech. degree attends.
- Science subjects include physical, chemical, biological, environmental, and mathematical sciences and are covered in the first four semesters.
- Engineering science subjects provide a bridge between science and engineering. These subjects appear in the first year providing the students leaving the programme with a Certificate an opportunity to have a taste of engineering. A feature of these subjects is the introduction of basics of different branches of engineering and an engineering laboratory where laboratory experiments will be designed to cover aspects of different branches of engineering.
- Professional core subjects are diffused in the third through the sixth semester. Because the students can exit the programme with a B. Tech. degree after the third year, all the professional core subjects are included in the coursework up to sixth semester and no core subject is offered in the fourth year. Aspects of professional practice, including professional ethics and code of conduct, are covered in one of the professional core subjects.
- Professional elective subjects are offered in the fifth through the eighth semester.
- Open electives are offered in the fifth through the eighth semester. These electives can be grouped in the form of elective streams. Some examples of open elective streams are given below:


## Open Elective Streams-Examples

I. Civil Engineering
II. Mechanical Engineering
III. Manufacturing and Industrial Engineering
IV. Electrical Engineering
V. Instrumentation and Control
VI. Electronics Engineering
VII. Computer Science \& Engineering
VIII. Environmental Science and Engineering
IX. Applied Science
X. Global Affairs
XI. Law and Public Policy
XII. Business Management
XIII. Finance \& Economics
XIV. Mass Communication and Media Studies
XV. Society, Science, and Technology
XVI. K-Explore (Students Activity Centre)
XVII. Human Cognition and Happiness
XVIII. MOOCs

A student can select any subject from any of the elective streams. However, to earn a minor or a major in an area outside the discipline to which the student belongs, he (or she) should choose most of the open elective subjects only from one elective stream.

- Vocational courses and Internships provide engineering students a deeper appreciation of the practical aspects of engineering and allow them to relate their theoretical knowledge with practical skills. To instil in the students the need for pragmatism and down-to-earth application of engineering skills, one vocational subject has been included as a core subject in the third semester. An illustrative list of vocational courses that can be offered to the students is given below:
- Graphics and Web Design
- Automotive Repair
- Heating and Air Conditioning
- Fashion Design
- Office Management
- Advertisement Design
- Repair of Electronic Products (Laptops and Cell Phones)
- Event Management
- Photography
- Plumbing
- Interior Design
- Internship must be taken by every student for at least 60 days. It can be taken in industrial organizations in the summer breaks after the second year and/or third year. The students must not only study the organization's product range, financial statements, organization chart, and factory layouts, etc., but also study the application of their
acquired knowledge in practice and acquire the important practical skills. Internship carries 2 Credits. It appears in the sixth semester Grade Sheet for those who exit the University with a B. Tech. degree but appears in the seventh semester Grade Sheet for those who exit the University with a B. Tech. (Hons.) or B. Tech. (Res.) degree.
- Projects allow the students to apply their acquired knowledge to solve the real-world problems. They define problems, mine information from past works, conceptualize forces and factors that impact the problems, develop design solutions, and demonstrate the effectiveness of the solutions. Considering that a student can exit the system after the third year with a B. Tech. degree, project is assigned only Credit 2, whereas it is assigned Credits 5 and 9 in the seventh and eighth semesters, respectively.
- Students pursuing B. Tech. (Hons.) degree need to select professional and open elective subjects, do two independent projects, and go through a course on scientific writing.
- Those pursuing B. Tech. (Research) degree do not have to take any professional or open elective. Instead, they take a research core subject (Research Methodology which should include elements of Research Ethics) and two research electives. A list of candidate research electives is given below.


## Research Electives-Examples:

- Design and Analysis of Experiments,
- Modelling and Simulation,
- Optimization Methods,
- Soft Methodologies,
- Machine Learning,
- Stochastic Processes,
- Time-Series Analysis,
- Chaotic Systems,
- Econometric Modelling,
- Nonlinear Systems
- Qualitative Research Methods
- To earn a Minor in an area outside the core discipline in which the student has registered, the following conditions apply:
- The student must secure CGPA of at least 7.50 after the sixth semester.
- The student must take six open elective subjects in that chosen area.
- If the student has taken all the four open electives in that area, then two more subjects in that area need to be credited in the fourth year.
- If, instead, the student has credited only 3 subjects in that area in the first three years, then three more related subjects must be credited in the fourth year.
- The fourth-year subjects carry only 30 credits. Three more subjects can be easily accommodated in the fourth year to earn a Minor.
- To earn a Major in a discipline other than the one in which a student is registered, the student must secure at least 7.50 CGPA after the third year, successfully complete at least 20 -Credit coursework in that discipline in the fourth year, in addition to fulfilling all the usual fourth-year coursework requirements.
- To get two B. Tech (Hons.) or B. Tech. (Research) degrees, a student fulfil all the coursework requirements of the original discipline in which the student is registered and spend study another year or more to complete at least 40 additional Credits of coursework in that discipline in the fifth year.


### 5.3.3 The First-Year Curriculum (The Certificate Course)

The first-year curriculum provides the foundation for all the higher-level courses in the next three and four years of engineering studies. Science subjects, providing the required foundational support for all branches of engineering, constitute the bulk of the coursework ( 22 Credits) in the first year with 10 Credits of theory and 2 Credits of laboratory subjects (Appendix A). A subject entitled Nanoscience (Credit 2) is introduced in the curriculum because of its increasing technological use in recent days. The subject Science of Living Systems should include fundamental principles of biochemistry, genetics, molecular biology, and cell biology.

The first-year curriculum also consists of the requisite coursework for earning a Certificate in Engineering. Therefore, the students who opt for exiting the academics after the first year in favour of earning a Certificate in Engineering must get a flavour of all the branches of engineering. The suggested curriculum provides for 13 Credits of Engineering Science, with 6 Credits of theory and 7 Credits of Practice subjects (which include Engineering Drawing and Graphics, Programming and Data Structures/Programming Language Lab, Workshop, and Engineering Lab). Basic Electronics, forming the essence of today's technology, is made compulsory. A beauty of the curriculum is that the students have the option of choosing two Basic Engineering subjects related to two different engineering disciplines. The Engineering Laboratory will provide for experiments covering all the branches of engineering-Civil, Electrical, Electronics, and Mechanical.

Engineering is the fuel for societal changes. Social Science subjects, thus, find a prominent place in the curricula. The common, first-year curriculum provides for a social science elective. The three electives listed here are (1) Social and Political Environment, (2) Design Thinking, and (3) Community/Environment-based Group Project. The first subject will expose the students to the social and political environment in which an engineer operates and which conditions a practicing engineer. The second subject (Appendix B) will bring out the basics of cognition, critical thinking, scientific
thinking, systems thinking, and design thinking, which are the most vital elements in making an engineer creative. The third subject will provide an opportunity to the students to make field visits and work in a team with members having diverse background to define and solve real-life problems with support and guidance from faculty members and research students. Some implementation guidelines are given in Appendix C.

Finally, good communication-both written and rhetoric-provides the means to the engineers to convey the ideas clearly and effectively. The curriculum provides for one theory subject on English (both language and literature) and one communication lab. The theory subject will provide the foundation for the next two subjects (Technical Writing and Scientific Writing) in the later years. Appendix D suggests an outline of the draft syllabi for the theory subjects in Humanities.

### 5.4 Distribution of Subjects across Semesters

Appendix E gives the suggested distribution of subjects across various semesters for B. Tech., B. Tech. (Hons.) and B. Tech. (Res.) courses.

### 5.5 Curricular Structures for Various Certificate, Diploma, and Degree Programmes

Some explanations are given below on how the different Certificate, Diploma, and Degree courses are structured in the draft curriculum with different exit options (Table 4).

Table 4: Certificate/degrees with different exit options

| Course <br> Category | Credits for <br> Certificate <br> (After 1st Year) | Credits for <br> Diploma <br> (After 2nd <br> Year | Credits for <br> B Tech <br> (After 3rd <br> Year) | Credits for <br> B Tech (Hons) <br> (After 4th <br> Year) |
| :--- | :---: | :---: | :---: | :---: |
| Humanities | 03 | 05 | 05 | 07 |
| Social Science | 02 | 05 | 11 | 11 |
| Science | 22 | 30 | 30 | 30 |
| Engineering <br> Science | 13 | 13 | 13 | 13 |
| Professional <br> Core | 00 | 30 | 52 | 52 |
| Professional <br> Electives | 00 | 00 | 09 | 15 |
| Open Electives | 00 | 00 | 06 | 12 |
| Summer <br> Internship | 00 | 00 | 02 | 02 |
| Project | 00 | 00 | 02 | 16 |
| Vocational <br> Course | 00 | 02 | 02 | 02 |
| Total | $\mathbf{4 0}$ | $\mathbf{8 5}$ | $\mathbf{1 3 2}$ | $\mathbf{1 6 0}$ |

- Certificate in Engineering will be given to those students who successfully complete the first-year course work.

The first-year course work consists of subjects related to Humanities (Credit 3), Social Science (Credit 2), Science (Credit 22), and Engineering Science (13).

The Certificate-holders will have gone through most of the basic science courses required for an engineering degree, a theory course on written English and a lab-based course on spoken English, and social science projects which gives an option for a community/laboratory-based social science project, and many theory and lab-based subjects covering the fundamental aspects of engineering.

Thus, the Certificate-holders will be able to develop a good scientific foundation of science and scientific rationality, appreciate the nuances of engineering in general, use scientific and technological knowledge to solve societal problems, and sharpen their written and rhetoric skills.

- Diploma in Engineering will be awarded to students who successfully complete the Fist-Year courses and the courses designed for the Second Year.

The second-year courses consist of professional core subjects (Credit 30). Additionally, these courses consist of science subjects (Credit 8), social science subjects (Credit 3), a subject related to technical writing (Credit 2), and a vocational subject (Credit 2).

The Diploma-holders will obtain a good exposure to most of the important engineering subjects in their relevant disciplines. Additionally, they will be exposed to human behavioural aspects. Furthermore, they will develop skills in technical writing and in one chosen vocational area.

- B. Tech. in Engineering will be awarded to those students who successfully complete the First- and the Second-Year courses and the courses designed for the Third Year.

The B. Tech. degree-holders will take professional courses (Credit 22), professional electives (Credit 9), open elective subjects (Credit 6) apart from crediting in a social science subject and in a subject in the area of Entrepreneurship and Small Business Management (Credit 6), independently carrying out a mini-project (Credit 2) and undergoing a 60 -day summer internship (either in one spell of 60 days after the fourth semester or after the sixth semester or in two spells, each of 30-day duration after the second and the fourth semester (Credit 2).

The B. Tech. degree-holders will acquire the professional skills in their respective disciplines and will be able to pursue their interests in subjects
related to other areas. They will also get the first taste of working on an independent project where they can apply their learned engineering skills to solve real-life problems.

- B. Tech. (Hons.) in Engineering will be awarded to those students who pass the first Three-Year courses with a CGPA of 7.50 or more and successfully complete the courses designed for them in the Fourth Year.

Those pursuing B. Tech. (Hons.) degree will take professional elective subjects (Credit 6), open elective subjects (Credit 6), a subject on scientific writing (Credit 2) and do two projects (Credit 14), one in each of the two semesters.

The B. Tech. (Hons.) degree-holders will not only acquire the knowledge and skills related to a few more specialized subjects in their own disciplines and in other disciplines of their own choice, but also carry out two projects where they can apply their learned knowledge and skills to holistically formulate and solve real-life problems.

- B. Tech. (Research) in Engineering will be awarded to those students who pass the first Three-Year courses with a CGPA of 7.50 or more and successfully complete the courses designed for them in the Fourth Year.

Those pursuing B. Tech. (Research) degree will take a research core subject-Elements of Research Methodology (Credit 3), two research elective subjects (Credit 6), a subject on scientific writing (Credit 2) and will independently carry out a research thesis spanning two semesters (Credit 17).

The B. Tech. (Research) degree-holders will acquire the relatively advanced knowledge and skills related to research in their chosen fields of study.

- B. Tech. (Hons.) in Engineering with Minor in another Discipline will be awarded to those students who passed the first Three-Year courses with a CGPA of 7.50 or more, chose the two open electives in the third year in one of the recommended streams, choose four more open electives in the same stream in the fourth year, and successfully complete the courses designed for them in the Fourth Year.

Those pursuing B. Tech. (Hons.) degree with Minor in another Discipline will choose four open electives in the same stream as they chose in their third year and will take all the other subjects listed for the degree of B. Tech. (Hons.). Thus, these students will have to successfully complete 36 credits and can complete the course requirements in four years.

The B. Tech. (Hons.) with Minor degree-holders will not only acquire the knowledge and skills of the regular B. Tech. (Hons.) students but also
acquire considerable knowledge and skills in another discipline of their choice.

- B. Tech. (Research) in Engineering with Minor in another Discipline will be awarded to those students who passed the first Three-Year courses with a CGPA of 7.50 or more, chose the two open electives in the third year in one of the recommended streams, choose four more open electives in the same stream in the fourth year, and successfully complete the courses designed for them in the Fourth Year.

Those pursuing B. Tech. (Research) degree with Minor in another Discipline will choose four open electives in the same stream as they chose in their third year and will take all the other subjects listed for the degree of B. Tech. (Research). Thus, these students will have to successfully complete 36 credits and can complete the course requirements in four years.

The B. Tech. (Research) with Minor degree-holders will not only acquire the knowledge and skills of the regular B. Tech. (Research) students but also acquire considerable knowledge and skills in another discipline of their choice.

- B. Tech. (Hons.) in Engineering with Additional Major in another Discipline will be awarded to those students who not only successfully complete all the course requirements for the B. Tech. (Hons.) degree with the four open electives in their chosen separate engineering discipline, but also take additional subjects (theory, laboratory, and project) pertaining to the chosen disciplines accounting for 20 more credits.

The students pursuing the degree of B . Tech. (Hons.) with Additional Major in another Discipline will take all the courses listed for the B. Tech. (Hons.) students and will take subjects with 20 additional credits in a discipline other than their own. The additional subjects accounting for 20 Credits could be 12-Credit theory subjects, 3-Credit Laboratory subjects, and 5-Credit Project.

Thus, these students will have to successfully complete 50 credits and can complete the course requirements in four years.

The B. Tech. (Hons.) with Additional Major degree-holders will not only acquire the knowledge and skills of the regular B. Tech. (Hons.) students but also acquire the knowledge and skills in another discipline of their choice.

- B. Tech. (Research) in Engineering with Additional Major in another Discipline will be awarded to those students who not only successfully
complete all the course requirements for the B. Tech. (Research) degree with the four open electives in their chosen separate engineering discipline, but also take additional subjects (theory, laboratory, and research project) pertaining to the chosen disciplines accounting for 20 more credits.

The students pursuing the degree of B. Tech. (Research) with Additional Major in another Discipline will take all the courses listed for the B. Tech. (Research) students with four open electives in disciplines other than their own and will take subjects with 20 additional credits in that discipline. The additional subjects accounting for 20 Credits could be 9-Credit theory subjects, 3 -Credit Laboratory subjects, and 8-Credit Project. Thus, these students will have to successfully complete 50 credits and can complete the course requirements in four years.

The B. Tech. (Research) with Additional Major degree-holders will not only acquire the knowledge and skills of the regular B. Tech. (Hons.) students but also acquire the knowledge and skills in another discipline of their choice.

- Bachelor degrees in Two Engineering Disciplines will be awarded to those students who not only successfully complete all the course requirements for the B. Tech. (Hons.) or B. Tech. (Research) degree with the four open electives in another engineering discipline but also spend an additional year (the Fifth Year) to complete 40-Credit course requirements related to that chosen engineering discipline.

A student pursuing the B. Tech. degrees in two engineering disciplines, thus, needs to choose open electives in one discipline other his (or her) own, and can register for the second B. Tech. degree in the same discipline in the fifth year. The subjects accounting for 40 Credits could be theory subjects (Credit 18), Laboratory subjects (4), Seminar (4), and Project (4 + $10=14)$.

A student getting two B. Tech. degrees in two separate engineering disciplines will be equipped with diverse, multidisciplinary skills and will be able to tackle complex real-life problems.

- Summer Training

Apart from the Academic Curricula, a student under the B.Tech Program is required to undergo a Summer Training program of minimum period of 60 days in two slots ; after 4th semester and 6th semester.

The training should be preferably in the area of student's specialization.
The performance in the Summer Training is to be evaluated at the 7th semester level under the head of 'Practical Training', where the
students are required to submit the Training Diaries / Training Certificates towards the proof of completion of Summer Training as stipulated above.

### 6.0 Rules for Examinations

6.1.Each discipline of the U.G program (Except Medical/Dental/Nursing) shall consist of the following items:

- Theory
- Practical
- Sessional

The schedule of these items along with their credit points for each semester can be referred to the respective course syllabus.
6.2 At the end of each semester, there shall be an examination (here-in-after called end- semester examination) conducted by the controller of examinations.
6.3 Back paper examinations, if any, shall be held with the normal end-semester examination.

A student will not be allowed to register for more than five backlog subjects along with his/her regular subject items at the beginning of each of the even or odd semester. Registration of the backlog subject items has to start from the lowest year onwards. Any remaining back paper(s) beyond five in any semester (even or odd) could be carried through to be cleared in subsequent future semester(s).
6.4 A separate supplementary examination will be held annually at the end of each academic year for $1^{\text {st }}$ to $4^{\text {th }}$ year before the start of the next academic session.

The detail about supplementary examination is given under section no. 9 subsequently.

### 7.0 The Grading System

A student of U.G program shall, at the end of his/her semester program, receive the grade card for the program mentioning the SGPA according to

$$
\text { Semester grade point average, SGPA }=\underline{\sum(\mathrm{CXGP})}
$$

$\Sigma \mathrm{C}$

Where $\mathrm{c}=$ credits of the course, other than the one with ' i ' grade, $\mathrm{gp}=$ the grade point obtained for the course and the sum is over all the courses
registered in that semester, including those in which the student has secured f grades.

For the cumulative grade point average (CGPA) a similar formula is used except that the sum is over all the courses taken in all the semesters completed up to the point in time, including those in which the student has secured f grades.

- The guidelines for grading the performance of a student are as follows:
i. A seven point grading system on a base of 10 shall be followed for grading of u.g degree students, and students of other course operated and governed under semester system, in various examinations undertaken by them in the university. For large classes the categorization of these grades and their correlation shall be as under :

| Qualification | Grade | Score on 100 <br> percent points | Grade point |
| :---: | :---: | :---: | :---: |
| Outstanding | 'o' | 100 to 90 | 10 |
| Excellent | 'e' | 89 to 80 | 9 |
| Very good | 'a' | 79 to 70 | 8 |
| Good | 'b' | 69 to 60 | 7 |
| Fair | 'c' | 59 to 50 | 6 |
| Pass * | 'd' | 49 to 40 | 5 |
| Failed | 'f' | Below 40 | 2 |

* Pass grade for theory is d grade \& pass grade for practical and sessional is c grade.
ii. A transitory letter grade 'i' (with point 2) shall be introduced for cases where the candidate fails to appear in end semester examination(s) due to genuine reasons and where the results are incomplete. This grade shall automatically be converted into appropriate grade(s) as and when the results are complete.
iii. No student shall be allowed to receive/complete the final degree with any i or f grade.
iv. There shall be no class/division awarded to a student either at semester or final degree examination.


### 8.0 Eligibility for Appearing the Examinations

- A student shall be eligible to appear at an Annual/ End semester examination in a subject (Theory), provided he/she is a registered student in that subject and has attended at least $75 \%$ of the classes held in that subject.
- Concessions: A student who has been absent for short periods due to participation in cultural, sports, NCC, NSS other academic / official assignments in the interest of the University with prior written permission of the Head of School or on health grounds (duly supported by medical certificate) or any extraneous situations may be permitted a maximum of additional attendance concession of $10 \%$ in attendance for appearing in the examination
- A student shall be admitted to any examination of the University only if he/she has paid the prescribed fee by the date specified by the Controller of Examinations.
- A candidate shall be allowed to sit in an examination only after he/she is issued an admit card for the relevant examination by the University, after obtaining the eligibility certificate from the Head of the School.


### 9.0 Supplementary Examination Rules and Regulations

A supplementary Examination is held annually at the end of each academic year and before the start of the next academic year. Supplementary examination is held only for the current level theory subjects. The student enrolled in Summer Term Classes may be allowed to appear the Internal, sessional and Practical Examinations along with the Theory subjects during the Supplementary Examination

- The students will only be allowed to appear for their failed papers in the current level subject to a maximum of $50 \%$ of the total subjects for the current year rounded off taking together the subjects of both odd and even semester of that year.
- A student will ordinarily be awarded one Grade less than he/she actually obtains in a subject item in the Supplementary Examination subject to a minimum of C Grade or below, which would remain unchanged. However, there will not be any grade loss for a subject in the supplementary examination for a student, who has attended the summer term classes for those subjects with a minimum of $75 \%$ attendance.
- A student who has been debarred due to attendance criteria in that subject and has not attended summer term classes with minimum of
$75 \%$ attendance will not allowed to appear at the Supplementary examination.
- A student, who misses the End semester examination for one/more theory subjects(s) for any genuine reason like medical ailments or mishap in the family, will be allowed to appear those subject(s) in the supplementary examination without reduction in grade. But this will be decided, on a case to case basis, on production of proper documents by the student, subject to the approval of the Vice Chancellor.
- Students with C or D Grade in any of their theory papers in the current level are also allowed to appear for those papers in the Supplementary Examination subject to maximum number of 3 (three) subjects in a year for improvement of their grades without any grade reduction.


### 10.0 Promotion to Next Year

The office of the CoE notifies the list of students promoted to next level after the publication of the results for the Annual Supplementary Examination provided a student:
i. has been a bonafide regular student at the present level and is duly registered as such in the University under permission of the Head of Academic Unit/School concerned.
ii. has not been involved in breach of discipline or has not been barred due to non-completion of the course within the time limit fixed for the purpose.
iii. has not been temporarily suspended for a specified period by the University and has not been denied the privileges of a regular student at the time when admission to higher levels is in progress.
iv. has cleared all course items at the present level individually,
v.does not have backlog of more than 5 (five) course(s) at the current level (from where the promotion is being sought) considering both the semesters in an academic year and
vi. has no backlogs at any stage below the present level from which the promotion is sought. For example, a student getting promoted from 2nd year to 3rd year level should not have any backlog course(s) item of the 1st year.

### 11.0 Guidelines to Appear for the Backlog Courses

Back paper examinations, if any, shall be held along with the normal End-semester examination of the similar (odd in odd and even in even).

A student who is promoted to the next year with backlogs in the previous year is permitted to clear those backlog theory subjects by appearing in the End
semester examination for those subjects as back papers in the corresponding semester in which the subject is offered. However, he is required to register for those back-paper subjects in the prescribed form at the beginning of the semester but may be exempted from attending theory classes for those subjects. A student will not be allowed to register for more than five backlog subjects along with his/her regular subject items in each of the even or odd semester. Registration of the backlog subject items has to start from the lowest year onwards. Any remaining back paper(s) beyond five in any semester (even or odd) could be carried forward to be cleared in subsequent semester(s).

Further, any student who fails to clear the 1st year of any programme in two attempts in the form of end semester examination and Supplementary examination will be on probation for one more year (year back). On failing again in the next semester, s/he shall be terminated from the University.

### 12.0 Rules for Improvement in CGPA

This provision has been introduced in order to facilitate the students to obtain a Degree at the end of completion of course, where the minimum requirement of CGPA is 6.00 .

- A student, preferably without any backlog, is eligible to opt for the improvement examination in a theory paper for a maximum of 3 (three) papers in the autumn or Spring End semester examination starting with third semester.

Students with a backlog of less than 3 (three) theory papers, can also appear in the improvement examination subject to a maximum of 3 (three) theory papers including the backlog papers. However, he/she has to first register for the backlog papers followed by the papers for improvement.

- The grade improvement option is available to a student only in the immediate subsequent chance in the End semester examination.
- If there is no improvement in the grade for any subject, the original grade will remain in force.


### 13.0 Guidelines for Summer Term Classes

Summer term will be conducted during the summer vacation with a view to assist the students, who failed in one or more subjects in the Autumn and/or Spring semester in an Academic year.

- Notification for the summer term for 30 days duration will be notified every year before the commencement of the Spring end semester examination.
- All the students intending to join summer term must register for those courses (Theory/ Practical/Sessional) on the specified day for
registration in the summer term on the recommendation of the Head of the School.
- A student is permitted to register for a course in the summer term only if he/she had registered for thecourse in the preceding Autumn and / or the Spring semester and had appeared in the End semester examinations obtaining an $\mathbf{F} / \mathbf{I} / \mathbf{M}$ grade. The maximum number of subjects a candidate is allowed to register is $50 \%$ of total theory subjects for the current year rounded off.
- Students with C or D Grades are also allowed to register for Summer term courses to improve their Internal and End Semester marks to a maximum of 3 subjects.
- A student debarred under attendance criteria in a subject is bound to attend the summer classes subjectwith the approval of the Head of the School. He/she will be allowed to appear at the Supplementary Examination in that subject provided he/she has at least $75 \%$ or more attendance in that subject in thesummer term.
- The course teacher will conduct classes for a subject ( 36 hours for a 4 credit course and 27 hours for a 3 credit course), quizzes and assignments and mid semester examination and will compute the internal marks. The process of uploading the marks is as per the practice for other examinations. The best mark between the previous mark and summer term course mark shall be taken into account.
- A student, who attends the summer term classes for a failed subject with a minimum attendance of $75 \%$, will be allowed to appear for that subject in the Supplementary examination without reductionin grade.


### 14.0 Criteria to Appear Make-Up mid Semester Examination

- No Re-mid semester examination will be scheduled.
- No make-up examination will be scheduled for the mid semester examination. However, official permission to take a make-up examination will be accorded under exceptional circumstances such as admission in a hospital due to illness/ injury, calamity in the family at the time of examination.
- Applications should be made within five working days after the missed examination.
- Late application or application without supporting document(s) will not be processed.
- Students residing in the hostels should produce a medical certificate issued from Institute / University Medical Officer or if hospitalized in other than KIMS Hospital should produce a medical certificate endorsed by the Institute / University Medical Officer.

Students who are permitted to stay outside the campus or who are the days-scholars should produce a medical certificate from a
registered medical practitioner provided registration number of the medical practitioner appears explicitly on the certificate and endorsed by the Institute / University Medical Officer.

- The Head of the concerned School can use his/her discretion in giving permission to a student to take a make-up examination for the mid-semester examination.
- Students will be notified about the result of their applications for make-up examination as early aspossible.
- Date, time and venue of the make-up examinations will be announced by Head of the concerned School.
- No further permission / arrangements would be made for students who are absent from the scheduled make-up examination for mid semester examination.


### 15.0 Transfer of Credits to Facilitate Inter-University Transfer

The objective of transfer of credits is to facilitate the Inter-University transfer and mobility of a student across different Universities in India and abroad. The procedures for transfer of credits are detailed below:

- The University will accept the transfer of credits earned by a student from other Universities/Institutions accepted by the University Equivalence Committee in the field. Such transfer of credits will also hold good for transfer from foreign Universities/ Institutions with which the University has signed MoU for student exchange programmes.
- To facilitate the process of transfer of credits for a student migrating from an outside University/ Institution, there will be an Equivalence Committee both at the School level and the University level. The School level Equivalence Committee will consist of the Head of the School as the Chairperson, Programme Head, Subject Experts and Dy.CoE/Asst.CoE of the School. The Equivalence Committee shall match the syllabi of both the Universities pertaining to different subject items to check the extent of similarities and recommend transfer of credits including credits to be awarded at KIIT Deemed to be University for those subject items, which are found matching. For subjects, where there are gaps and are not covered earlier by a student in his/her previous University/ institution, he/she will be required to clear those subject items under the KIIT Deemed to be University examination system. The recommendation of the School level Committee will be forwarded to the University level Equivalence Committee, which is to be headed by a Professor appointed by the Vice Chancellor as the Chairperson and the concerned Head of the School or his/her nominee. The final recommendation of the University level committee will be put up to the Vice Chancellor for approval.
- The University also permits its students to undertake internship
course/ specialized course work / industrial training in other recognized Indian Universities or Foreign Universities or in a reputed industry and earn certain credits for fulfillment of his/her degree requirements at KIIT-DU with prior approval of the Vice Chancellor and Academic Council. Equivalence Committee should evaluate the internship course/ course work/ training undertaken by the concerned student for such credit transfer.
- The University also permits students from Foreign Universities to undertake course work at KIIT Deemed to be University and then the credits earned can be transferred to other Universities under SIP (Semester India Programme) where such students undertake subsequent part of their course leading to his/ her Degree.


### 16.0 Guidelines for Re-Admission of Year Back Candidates

A student, already registered with the University, may opt to rejoin a semester for which he/she was a regular student in an identical semester of the preceding year. This is done at the beginning of the said semester under the following conditions:
a. S/he has failed to clear more than five course items in the earlier year and has been declared as "Year back candidate" in the result sheet after maintaining requisite percentage of attendance as a regular student.
b. S/he took a break in attending classes due to genuine reasons after joining the semester as a regular student in the corresponding semester of the previous session, and as a result was disqualified from appearing in the end semester examination due to shortage of attendance.
c. $\mathrm{S} /$ he discontinued the course temporarily due to personal reasons but chooses to rejoin the course at the appropriate level during the following session.
Ordinarily a student shall be expected to re-join a course in the odd semester and shall continue in the following even semester also to complete the two semesters of a level which forms the basis of his promotion to the next higher level. If, however, the student owing to one or more of the following reasons has to repeat only one of the semesters, the credit as earned by him/ her for the other semester shall be carried forward for computation of CGPA, provided that he/she:

- has passed in all course items of the odd semester but has failed to secure promotion to the next level owing to non-compliance of promotion rules formulated taking into account both the Autumn and Spring semesters of the level.
- has passed in all courses of the even semester but has failed to secure elevation to the next level owing to non-compliance with the promotion rules taking both semesters into account.
- Was a regular student and cleared all courses in the autumn semester as a regular student but was unable to continue as a student in the spring semester due to reasons beyond his/her control.


### 16.1 Readmission

A student desirous of re-joining the programme as a regular student after
discontinuation/non- promotion shall have to follow the following procedure:
a. $\mathrm{He} /$ she shall have to apply to the University in a prescribed form seeking readmission to the appropriate level along with documentary evidence justifying his/ her case for readmission as follows:

- If his / her appropriate level is first year then he/ she may study all the subjects or the subjects he/ she is failed and the subjects which are new for him/ her based on the School level Equivalence Committee report with the approval from the Vice Chancellor.
- If his/her appropriate level is other than first year then he/ she has to study the subjects as mapped by the School level Equivalence Committee with the approval from Vice Chancellor.
b. S/he shall undertake to clear all outstanding dues with the University and should pay the prescribed readmission fee.
c. S/he shall declare that he/she is aware of the maximum time limit for the courses, and in the event of non-adherence to the time limit, he/she shall abide by the rules of the University.
d. A student cannot claim readmission to a semester or a course as a matter of right.
Notwithstanding anything contained in the above rules, the interpretation of the University shall be final in all matters.


### 17.0 Award of Degree and Maximum Time Limit for Completion of a programme

In order to qualify for a Degree of the University a student must:
a. Complete all the credit requirements for the Degree as laid down in the prescribed curriculum of the discipline with a minimum of D Grade scored in every theory and a minimum of $C$ grade in every practical and sessional item except the following courses, where a minimum of C Grade to be scored in every theory as well as every practical and sessional items.
b. Obtain a CGPA of 6.0 or higher at the end of the semester in which he/she completes all the requirements for the Degree except UG programmes from School of Social Sciences where the CGPA must be atleast 5.0.
c. Clear all institutional dues of the University including the hostel dues.
d. Besides the above, a student is free to acquire additional credits by taking more number of open electives from other Schools in his/her final year provided he/she has a minimum CGPA of 7.5 till the end of his/her pre-final year. The grades obtained in such subject(s) will be recorded in his/her Grade Card and will contribute to the computation of CGPA.

### 17.1 Maximum Time Limit for completion of a Programme

A student for whatever reasons is not able to complete the programme within the normal period or the minimum duration prescribed for the programme, may be allowed two years period beyond the normal period to clear the backlogs to be qualified for the degree.

The general formula therefore should be as follows:

- Time Span = N+2 years for the completion of programme, Where N stands for the normal or minimum duration prescribed for completion of the programme
- In exceptional circumstances a further extension of one more year may be granted. The exceptional circumstances be spelt out clearly by the relevant statutory body concerned of the University.
- During the extended period the student shall be considered as a private candidate and also not be eligible for ranking.
- This UG Regulation will remain Valid till Academic Council of the University decides to revise, amend or change any part or whole of the regulation.
- On any aspect which is not covered/claimed in this UG regulation, the decision of the Vice Chancellor shall be considered as final.


KALINGA INSTITUTE OF INDUSTRIAL TECHNOLOGY (KIIT)
Deemed to be University
(Established U/S 3 of UGC Act, 1956)
Bhubaneswar, Odisha, India

