

UG Manual
Indian Institute of Technology Bhilai

Table of Contents

1. INTRODUCTION

- 1.1 Background
- 1.2 Departments
- 1.3 Programs offered
 - 1.3.1 Bachelor of Technology (BTech)
 - 1.3.1.1 Computer Science
 - 1.3.1.2 Data Science and Artificial Intelligence
 - 1.3.1.3 Electrical Engineering
 - 1.3.1.4 Materials Science and Metallurgical Engineering
 - 1.3.1.5 Mechanical Engineering
 - 1.3.1.6 Mechatronics Engineering
- 1.4 Admission Procedure
- 1.5 Roll Number Scheme
- 1.6 Organizational Structures of Academics
 - 1.6.1 Discipline Undergraduate Committee (DUGC)
 - 1.6.2 Institute Undergraduate Committee (IUGC)
 - 1.6.3 Dean of Academic Affairs (DOAA)
- 1.7 Code of Conduct for Students
 - 1.7.1 Academic Integrity
 - 1.7.2 Behavior in and outside the classroom
 - 1.7.3 Diversity, Equity, and Inclusion
 - 1.7.4 Student Responsibility
 - 1.7.5 Disciplinary Action

2. GENERAL ACADEMIC RULES AND PROCEDURES

- 2.1 Registration
 - 2.1.1 Academic Pre-registration
 - 2.1.2 Academic Registration
 - 2.1.3 Administrative Registration

2.1.4 Registration in Summer Semester

2.1.5 Add/Drop of Courses

2.2 Course Structure and Credit System

2.2.1 Description of Course Content

2.2.2 Category of courses

2.2.3 Course numbering scheme

2.2.4 Assignment of Credits to Courses

2.2.5 Pre-requisite(s)

2.2.6 Overlapping/Equivalent Courses

2.3 Credit System

2.3.1 Earning Credit

2.3.2 Grading System

2.3.3 Evaluation System

2.3.4 Evaluation of Performance and Minimum CGPA requirement

2.3.5 Course grade improvement

2.3.6 Academic probation, Termination from Program, & Exit Policy

2.3.7 Conduct of Courses

2.3.8 Semester wise grade card of Academic Performance

2.4. PROGRAM REQUIREMENTS AND GENERAL STRUCTURE

2.4.1 BTech Program

2.4.2 Underload/Overload Credits

2.4.3 Semester wise grade card of Academic Performance

2.4.4 Transcript: Consolidated Statement of Academic Performance

2.4.5 Course Feedback

2.4.6 Academic Malpractice / Plagiarism

2.5 Attendance & Leave Rules

2.5.1 Attendance

2.5.2 Vacation

2.5.3 Short Leaves & Semester Withdrawal

2.5.4 Medical Leave

2.6 Mentoring & Statutory Support for Students

2.6.1 Grievance Cell

2.6.2 Academic Grievance Redressal Committee

2.6.3 SC/ST Student Cell

2.6.4 OBC Cell

2.6.5 Women's Cell

2.6.6 Anti-Ragging Committee

3. REGULATIONS AND PROCEDURES

3.1 Branch Change

3.2 Additional Options for Academically Motivated Students

3.2.1 Additional Courses

3.2.2 BTech Honours

3.2.3 Program Conversion (BTech to MTech; BTech to PhD)

3.2.4 Industrial Training and Fieldwork

4. SCHOLARSHIPS AND AWARDS

4.1 Awards and Medals

4.2 Scholarships

4.2.1 Institute Scholarships

4.2.2 Donor based Scholarships

1. INTRODUCTION

1.1 Background

IIT Bhilai offers a semester-oriented undergraduate, postgraduate and research programs with an objective of imparting best quality science and engineering education. The campus of IIT Bhilai is spread over 450 acres of land and is equipped with state-of-the-art infrastructure, including modern classrooms, labs, and research facilities.

The institute has a strong focus on research and innovation, and its faculty and students are involved in cutting-edge research in various fields of engineering and science. IIT Bhilai has collaborations with various industries and research institutions, which provide students with opportunities to work on real-world problems and gain hands-on experience. The institute has a vibrant campus life, with a range of extracurricular activities, including sports, cultural events, and clubs and societies that cater to various interests.

1.2 Disciplines

Discipline is an academic unit offering two or more programs (undergraduate &/or postgraduate programs). The names of disciplines, associated department(s) and their discipline codes are given in Table 1.

Table 1: Academic Disciplines

S. No	Discipline	Associated with department(s) of	Discipline code
1	❖ Bioscience and Biomedical Engineering ❖ Bioengineering	Bioscience and Biomedical Engineering	BM
2	Chemistry	Chemistry	CY
3	Computer Science and Engineering	Computer Science and Engineering	CS
4	Data Science and Artificial Intelligence	Computer Science and Engineering	DS
5	Electric Vehicle Technology	Electrical Engineering	EV

6	<ul style="list-style-type: none"> ❖ Electrical Engineering ❖ Power Systems and Power Electronics ❖ Control and Instrumentation 	Electrical Engineering	EE
7	Electronics and Communication Engineering	Electronics and Communication Engineering	EC
8	Liberal Arts	Liberal Arts	LA
9	Materials Science and Metallurgical Engineering	Materials Science and Metallurgical Engineering	MM
10	<ul style="list-style-type: none"> ❖ Mathematics ❖ Mathematics and Computing 	Mathematics	MA
11	<ul style="list-style-type: none"> Mechanical Engineering ❖ Design and Manufacturing ❖ Thermal and Fluids Engineering 	Mechanical Engineering	ME
12	Mechatronics Engineering	Mechatronics Engineering	MT
13	Physics	Physics	PH

1.3 Programs

IIT Bhilai offers various academic programs for students with different backgrounds. Admission to many of these programs are based on performance in national level tests/entrance examinations. The programs offered by IIT Bhilai are currently classified as Undergraduate (UG) and Postgraduate (PG) programs. Various degree programs offered by the Institute are listed below.

Table 2: Programs offered

Program	Offered in	Offered by department(s)
Bachelor of Technology (BTech)	Computer Science and Engineering	Computer Science and Engineering
	Data Science and Artificial Intelligence	
	Electrical Engineering	Electrical Engineering
	Electronics &	Electronics &

	Communication Engineering	Communication Engineering
	Materials Science and Metallurgical Engineering	Materials Science and Metallurgical Engineering
	Mechanical Engineering	Mechanical Engineering
	Mechatronics Engineering	Mechatronics Engineering
Master of Science (MSc)	Chemistry	Chemistry
	Mathematics and Computing	Mathematics
	Physics	Physics
Master of Technology (MTech)	Bioengineering	Bioscience and Biomedical Engineering
	Computer Science and Engineering	Computer Science and Engineering
	Data Science and Artificial Intelligence	
	Electronics & Communication Engineering	Electronics & Communication Engineering
	Control and Instrumentation	Electrical Engineering
	Power Systems and Power Electronics	
	Electric Vehicle Technology	
	Materials Science and Metallurgical Engineering	Materials Science and Metallurgical Engineering
	Design and Manufacturing	Mechanical Engineering
	Thermal and Fluids Engineering	
	Mechatronics Engineering	Mechatronics Engineering
	Doctor of Philosophy (PhD)	Bioscience and Biomedical Engineering
Chemistry		Chemistry
Computer Science and Engineering		Computer Science and Engineering
Data Science and Artificial Intelligence		
Electrical Engineering		Electrical Engineering
Electronics & Communication Engineering		Electronics & Communication Engineering
Electric Vehicle Technology		Electrical Engineering
Liberal Arts		Liberal Arts
Materials Science and Metallurgical Engineering		Materials Science and Metallurgical Engineering
Mathematics		Mathematics
Mechanical Engineering		Mechanical Engineering
Mechatronics Engineering		Mechatronics Engineering
Physics		Physics

The admissions are carried out in Bachelor of Technology (BTech) program, Master of Science (MSc) program, Master of Technology (MTech) program and Doctor of Philosophy (PhD) program. BTech (Honours) is an enhanced BTech degree wherein a student admitted to a BTech program may choose to carry out additional courses/project in his/her own discipline or another discipline. BTech (Honours) is a program where students are not admitted initially but may opt to convert their BTech program. A BTech student may also opt to convert his program to BTech-MTech dual degree program. If the conversion is permitted by the Institute, the student shall get two degrees after successful completion of MTech program requirements. A student of an MSc or MTech program shall also be eligible for conversion to the MSc/MTech-PhD dual degree program. If the conversion is permitted by the Institute, the student shall get PhD degree as well as MTech or MSc degree after successful completion of program requirements. A student of BTech program whose program is converted to MTech program will also be eligible for conversion to PhD program. However, such student shall get two degrees only i.e. BTech and PhD.

1.3.1 Undergraduate (BTech) Program

The Bachelor of Technology (BTech) program is a four-year (eight semesters) undergraduate engineering degree program. It is designed to provide students with a strong foundation in core subjects, such as mathematics, physics, and chemistry, as well as specialized training in a specific engineering discipline, such as mechanical engineering, electrical engineering, computer science engineering, DSAI, Mechatronics etc. The BTech program is rigorous and demanding, with a strong emphasis on practical training and hands-on learning, and it prepares students for a wide range of careers in the engineering and technology sectors.

An academic year starts in the month of July each calendar year and ends in the month of June of the next calendar year. Each academic year is divided into three semesters – Monsoon, Winter and Summer semesters. The Monsoon and Winter semesters are two regular semesters with mandatory registration, while the Summer semester is a shorter (but not a regular) semester and the registration is not

mandatory. IIT Bhilai offers undergraduate courses in various engineering disciplines.

1.3.1.1 Computer Science and Engineering

The Bachelor of Technology (BTech) program in computer science and engineering is a highly sought-after undergraduate engineering degree program that provides students with a solid foundation in computer science and engineering concepts. The program covers a wide range of subjects, including algorithms, data structures, programming languages, computer architecture, database management, software engineering, and operating systems. Students in the BTech program in computer science gain practical skills through hands-on projects and laboratory work, and they also have the opportunity to specialize in areas such as artificial intelligence, machine learning, computer networks, cybersecurity, and data science. Graduates of the BTech program in computer science are in high demand in a range of industries, including software development, data analytics, cybersecurity, and artificial intelligence, and they are also well-prepared for advanced studies in computer science or related fields.

1.3.1.2 Data Science and Artificial Intelligence

The Bachelor of Technology (BTech) program in data science and artificial intelligence is an emerging and highly in-demand undergraduate engineering degree program. The program covers a range of topics, including data analysis, data visualization, machine learning, deep learning, natural language processing, computer vision, and robotics. Students in the BTech program in data science and artificial intelligence gain practical skills through hands-on projects, internships, and laboratory work, and they also have the opportunity to collaborate with industry partners on real-world problems. Graduates of the BTech program in data science and artificial intelligence are well-prepared for careers in a range of industries, including technology, finance, healthcare, and e-commerce, and they are also well-equipped for advanced studies in data science, artificial intelligence, or related fields. The demand for data scientists and artificial intelligence experts is rapidly increasing, and the BTech program in data science and artificial intelligence is an excellent choice for students who are interested in pursuing a career in this exciting and rapidly evolving field.

1.3.1.3 Electrical Engineering

The Bachelor of Technology (BTech) program in electrical engineering is a highly specialized undergraduate engineering degree program that focuses on the principles and applications of electrical systems and devices. The program covers a range of subjects, including circuit analysis, power systems, control systems, electromagnetic theory, electronics, and communication systems. Students in the BTech program in electrical engineering gain practical skills through laboratory work, projects, and internships, and they also have the opportunity to specialize in areas such as power electronics, renewable energy, smart grid systems, and telecommunications. Graduates of the B.Tech program in electrical engineering are well-prepared for careers in a range of industries, including power generation, transmission, and distribution, telecommunications, electronics, and manufacturing, and they are also well-equipped for advanced studies in electrical engineering or related fields.

1.3.1.4 Materials Science and Metallurgical Engineering

The Bachelor of Technology (BTech) program in the discipline of Materials Science and Metallurgical Engineering (MSME) provides a solid foundation while covering topics like steel and alloy making as well as advanced materials like electronic, smart, ceramic, energy, materials, and polymers. Students in the BTech program in MSME are exposed to a platform for extensive research activity spanning over various research areas in metallurgical engineering, materials science, polymers, robotics, micro-/nanorobots, etc. With solid collaborations with SAIL-BSP, the students will be exposed to the latest industrial technologies and processes.

1.3.1.5 Mechanical Engineering

The Bachelor of Technology (BTech) program in mechanical engineering is a highly sought-after undergraduate engineering degree program that focuses on the design, development, and maintenance of mechanical systems and devices. The program covers a range of subjects, including mechanics, thermodynamics, materials science, manufacturing processes, and robotics etc. Students in the BTech program in mechanical engineering gain practical skills through laboratory work, projects, and internships, and they also have the opportunity to specialize in areas such as aerospace engineering, automotive engineering, robotics, and mechatronics. Graduates of the BTech program in mechanical engineering are well-prepared for careers in a range of industries, including automotive, aerospace,

energy, manufacturing, and robotics, and they are also well-equipped for advanced studies in mechanical engineering or related fields.

1.3.1.6 Mechatronics Engineering

The Bachelor of Technology (BTech) program in mechatronics engineering is a unique and interdisciplinary undergraduate engineering degree program that combines elements of mechanical, electrical, and computer engineering to design and develop intelligent systems that integrate hardware and software. The program covers a range of subjects, including robotics, control systems, microcontroller programming, sensors and actuators, and mechanical design. Students in the BTech program in mechatronics engineering gain practical skills through laboratory work, projects, and internships, and they also have the opportunity to specialize in areas such as automation and control, artificial intelligence, and robotics. Graduates of the BTech program in mechatronics engineering are well-prepared for careers in a range of industries, including manufacturing, automotive, aerospace, robotics, and automation.

1.4 Admission Procedure

Admission to BTech programs shall be through JEE(Advanced) examination. IIT Bhilai, along with other IITs conducts JEE Advanced for admission of students for BTech programs in all the IITs. Then seat allotment is done through Joint Seat Allocation Authority (JoSAA).

1.5 Roll Number Scheme

A candidate upon his acceptance of the admission offer to any of the program offered by the institute shall be assigned with a roll number. All registered students shall be issued with an ID card with same roll number. The unique ID number shall be 8 digits wide with the following structure.

D1	D2	D3	D4	D5	D6	D7	D8
Denotes program type	Year of admission in YY format		Denotes code of the Discipline		Serial no starting from 001		

Various fields of the ID number are described below.

1. Digit **D1** represents the program in which student is enrolled as per the following encoding.

Code	Program
B	BTech

M	MTech
P	PhD
S	MSc

2. Digits **D2** and **D3** denote the year of admission for students in YY format.
3. Digits **D4** and **D5** denote the code of the discipline to which the student is admitted e.g. ME- Mechanical Engineering, CS- Computer Science and Engineering, etc.
4. Digits **D6** to **D8** shall be the serial number assigned to each student starting from 001 in each group.

ID card shall be reissued with revised coding for students who are recommended for discipline change and program conversion.

1.6 Organizational Structures of Academics

The Academic Senate is a statutory and supreme body that governs all academic matters of the Institute, and the rulings of Senate of the Institute are final in regard to all academic issues. A definite time schedule is set by the Senate for various academic activities, through an Academic Calendar issued at the beginning of each academic year. Dean of Academic Affairs (DOAA) is the sole authority of all academic Programs. All the academic matters come under the purview of Institute Undergraduate Committee (IUGC)/ Institute Postgraduate Committee (IPGC) at the institute level and Discipline Undergraduate Committee (DUGC)/ Discipline Postgraduate Committee (DPGC) at the discipline level for discussion. Matters pertaining to conduct, discipline and welfare of the students are overseen by the Dean of Student Affairs (DOSA).

1.6.1 Discipline Undergraduate Committee (DUGC)

Head of every academic unit ([discipline](#)) offering an undergraduate program constitutes its DUGC with the following composition.

- i. One faculty member: (Convener)
- ii. One faculty member: Member
- iii. One student representative of the discipline: Invited Member

The role of the DUGC is to manage undergraduate academic programs of the discipline as per the rules of the Institute. Students may approach DUGC convener for advice about curriculum, academic opportunities, for permissions to proceed on leave or for any other academic issue

1.6.2 Institute Undergraduate Committee (IUGC)

Institute undergraduate committee (IUGC) ensures the smooth conduct of the academic matters for the undergraduate programs of the Institute. The IUGC has the following composition.

- i. Dean of Academic Affairs: Ex-officio and Chairman
- ii. All DUGC Conveners: Members
- iii. Two nominees of the Senate: Members
- iv. Two UG student representatives (nominated by CoSA) : Invited Members

1.6.3 Dean of Academic Affairs (DOAA)

The Dean of Academic Affairs (DOAA) is responsible for the implementation of the decisions taken on academic matters by the Senate.

- DOAA receives, processes and maintains all records related to all academic programs including curricula, courses offered, academic calendar, registration, record of absence, examinations, grades and award of degrees.
- DOAA acts as a central node of academic activities related to communication.
- DOAA disseminates information pertaining to all academic matters.
- DOAA ensures the conduct of all programs including the formulation of rules and ensuring the adherence of such rules.
- DOAA conducts the process of the admission of undergraduate and postgraduate students.
- DOAA chairs the meetings of the Institute Undergraduate Committee (IUGC) and Institute Postgraduate Committee (IPGC) and ensures the smooth conduct of the meetings of such committees.

1.7 Code of Conduct for Students

The Code of Conduct for Undergraduate Students is a set of guidelines that outlines the expectations for behavior and conduct within the academic community. The code emphasizes the importance of academic integrity, ethical behavior, and responsible citizenship.

1.7.1 Academic Integrity:

Students are expected to uphold the highest standards of academic integrity. This includes refraining from plagiarism, cheating, and academic misconduct. Students should always cite their sources and provide accurate references in all academic work. Any form of academic

dishonesty is strictly prohibited and may result in disciplinary action and termination of the program.

1.7.2 Behavior in and outside the classroom:

Students are expected to behave in a professional and respectful manner at all times, both in and outside the classroom. Disruptive behavior, harassment, discrimination, or any other behavior that may infringe upon the rights and well-being of others is strictly prohibited. The use of electronic devices, such as phones and laptops, must be in accordance with the guidelines provided by the instructor.

1.7.3 Diversity, Equity, and Inclusion:

The academic community is enriched by its diversity. Students are expected to respect and appreciate differences in culture, race, ethnicity, gender, religion, sexual orientation, and other identities. Any behavior that undermines or discriminates against any individual or group on the basis of these identities is prohibited.

1.7.4 Student Responsibility:

As responsible members of the academic community, students are expected to take ownership of their learning and academic progress. This includes regular attendance, active participation in class discussions, and timely submission of assignments. Students are also expected to take responsibility for their personal safety and the safety of others on campus.

1.7.5 Disciplinary Action:

Any violations of the Code of Conduct may result in disciplinary action, including warnings, probation, suspension, or expulsion from the institute. It is the responsibility of the student to understand and adhere to the Code of Conduct and to seek clarification if necessary. The Code of Conduct is designed to promote a safe, respectful, and inclusive learning environment for all members of the academic community.

2. GENERAL ACADEMIC RULES & PROCEDURES

2.1 Registration

All students are required to register for the prescribed credits in each of the regular semester, i.e. Monsoon and Winter semesters unless he/she is on authorized leave from the Institute.

Such registrations as necessary are required to be done by the students before the commencement of the semesters to study during that period in the Institute as per the Academic calendar of the Institute. Before the beginning of the semester, students shall complete their academic pre-registration as per the academic calendar. At the beginning of the semester, the registration shall be carried out in two parts – academic registration and administrative registration. The responsibility for completing registration rests with the students. If a student fails to complete the registration process within the specified time, he/she shall be deemed to be on unauthorized absence from the Institute and suitable disciplinary action including the termination of the studentship may be carried out by the Institute.

2.1.1 Academic Pre-registration

- All students must pre-register for the courses scheduled to be taken in the next semester as per schedule specified in the Academic Calendar.
- It will be a responsibility of the students to ensure that they meet the eligibility criteria, pre-requisite criteria if any and permission from the instructors if needed for the elective courses. Students may only register for the number of courses as permitted by course curriculum of the program and must also ensure that there are no timetable clashes amongst the courses. The students shall need to submit the fully filled registration form along with the permissions from the instructors if needed for the approval of the DUGC.

2.1.2 Academic Registration

- The following category of students shall be required to make academic registration at the start of the semester as per the schedule given in the academic calendar of the Institute.
 - All new students.
 - All those students who could not do their pre-registration for legitimate reason, with a prior approval from their respective DUGC convener.
- All continuing students who do not register as per the schedule without appropriate permissions, suitable disciplinary action including the termination of the studentship may be carried out by the Institute.
- All new students who for any valid reason arrive later than the stipulated date for registration must obtain prior permission from the concerned DUGC convener and the Dean of Academic Affairs. They shall be treated as non-reporting students if they fail to do so.

- Such cases where a new student is admitted after the last date of academic registration, he/she shall be allowed to complete the academic registration as early as possible with the approval of the Dean of the Academic Affairs.

2.1.3 Administrative Registration

- All students must pay the semester fee and clear all dues, including the hostel dues, academic fees, any other dues that the Institute may prescribe from time to time etc. during the administrative registration.
- Any failure to do the administrative registration as per the stipulated time table shall attract penalty, disciplinary action and/or termination of the program.

2.1.4 Registration in Summer Semester

- In general, undergraduate students shall not be required to stay on campus during Summer semester.
- Department may offer regular courses in the Summer semester and those undergraduate students desirous of taking such courses may register for the Summer semester. In such cases, the student is required to stay on campus.

2.1.5 Add/Drop of Courses

Students may add or drop courses using the registration system within 5 working days of the start of the regular semester. Each course add/drop request needs to be approved by the DUGC convener. Underload/overload of credits with respect to the nominal load (as defined in the course of study) can be allowed by the DUGC. Any deviation from this matter will require approval of the chairman, IUGC after the recommendation of the DUGC convener.

2.2 Course Structure and Credit System

2.2.1 Description of Course Content

Course content description consists of following components: (i) Course code, (ii) Title of the course, (iii) L-T-P-C (Lecture, tutorial, practical and credits), (iv) Pre-requisite(s) and (v) overlapping courses, if any, and (v) List of broad topics covered in the course. Course content of all Institute courses are given in the courses of study.

2.2.2 Category of courses

The course classification at IIT Bhilai is specific to the program and is categorized under the following broad categories.

1. **Institute core (IC) courses:** A set of courses that every student of an undergraduate program at IIT Bhilai must register for and pass.
2. **Program linked (PL) courses:** A set of courses which link basic (IC) courses and program core courses. A discipline may specify a set of courses for each program that every student of specific discipline in the program must register for and pass.
3. **Program core (PC) courses:** For a program, the discipline may specify a set of courses that every student of the specific discipline must register for and pass.
4. **Program elective (PE) courses:** A bouquet of courses declared by the discipline out of which students must register for and pass a specified minimum number of credits to fulfill the program requirements.
5. **Open elective (OE) courses:** A bouquet of courses offered by various disciplines of the institute, out of which the students must choose to register for and pass a number of courses to meet the minimum specified OE credit requirements for a program. Open elective courses are meant to widen the knowledge beyond the parent discipline and broaden the horizon by exposing the problems/areas in other disciplines. MSc, MTech and PhD students cannot take LA courses as open elective.
6. **Liberal Art (LA) courses:** The Institute believes in a well-rounded development of its students. To that extent, the Institute specifies a minimum number of credits to be earned by students amongst a bouquet of courses in Liberal Arts.
7. **Non-graded core (NC) courses:** These are mandatory requirements and can be earned through formal academic activity and informal co-curricular or extra-curricular activities.

2.2.3 Course numbering scheme

Each course is denoted by a unique code consisting of three alphabets followed by three numerals:

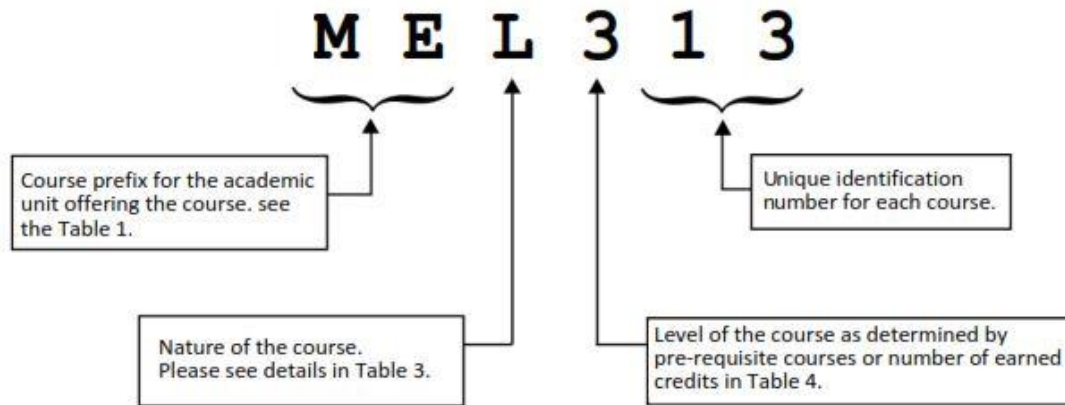


Table 3: Codes defining nature of the course

D	Courses involving demonstration and/or discussion during lectures and involves presentation/project-based evaluation
L	Lecture based courses (L-T-P structures of lecture-based courses are primarily dominated by Lecture and Tutorial components) and primarily evaluation is based on written exams
P	Practical/practice-based courses (all the lab courses, courses which contains major components of hands-on etc.; L-T-P structure is dominated by practical sessions)
Q	Project based courses (minor/major project, BTech/MSc project or independent project)
T	Thesis based courses
N	Non-graded courses
V#	Lectures courses on special topics by external experts or NPTEL courses (at most 1-3 credits)

These courses shall run for duration not less than 1 month. BTech students can take such courses maximum of 6 credits during the entire program.

Table 4: Level of course

Level	Description
100-400	Core and elective courses for UG programs
400-600	Core courses for MSc Programs (500 and 600 level courses may be opened for 3rd and final year BTech students as elective courses only)
500-700	Courses for MTech program (700 may be opened for final year BTech students and MSc as elective courses only)

2.2.4 Assignment of Credits to Courses

Every course at IIT Bhilai conventionally runs for the entire semester (~ 14 weeks in case of a regular semester). Only exception is for V-type courses which may run for part of the semester. A student registers for the courses that he/she wants to study and at the end of the semester a grade is awarded. On obtaining a pass grade, the student earns all the credits associated with the course while a fail grade does not get any credit. Partial credits are not awarded.

Each course has a certain number of credit(s) or non-graded unit(s) assigned to it depending upon the L-T-P structure of the course. Accordingly, L-T-P-C structure of each course (except thesis-based courses) is defined where L denotes lectures per week (in hours), T denotes tutorials per week (in hours), P denotes practical/lab/practice sessions per week (in hours) and C denotes total credits associated with the course. Credits are assigned to a course with specified L-T-P as follows:

L :	If a course involves 1 lecture hour (50-55 mins) per week and runs for 14 weeks, 1 credit will be assigned to the course
T :	If a course involves 1 tutorial hour (50-55 mins) per week and runs for 14 weeks, 1 credit will be assigned to the course
P :	If a course involves 2 practical/practice/lab hour (2 hours) per week and runs for 14 weeks, 1 credit will be assigned to the course

Credit assignment explained above can be understood well from following examples showing courses and associated L-T-P-C structure:

MEyxxx (L-T-P-C: 3-0-0-3) or CSyxxx (L-T-P-C: 3-1-0-4) or

PHyxxx (L-T-P-C: 0-0-2-1) or EEyxxx (L-T-P-C: 0-1-4-3)

2.2.5 Pre-requisite(s)

Each course, other than 100 level courses, may have specified pre-requisite(s) in terms of other course(s). A student who has obtained F grade in the pre-requisite(s) specified will not be eligible to register for the course. For example:

MEL612 Conduction and Radiation Heat Transfer

3 Credits (3-0-0)

Pre-requisite(s): MEL313 or equivalent

A student who has obtained a grade other than F grade in MEL313 will be eligible to register for this course.

The following policy shall be followed on course pre-requisites.

- i. Pre-requisites shall be defined only in terms of the other course code(s).
- ii. A precedent course defined as a prerequisite for a course must be cleared before the dependent course can be taken.

2.2.6 Overlapping/Equivalent Courses

Wherever applicable, overlapping, and equivalent courses have been identified for each course. A student is not permitted to earn credits by registering for a course having more than 25% overlap with other approved courses which is already credited by the student. For example:

MEL304 Applied Numerical Methods

3.0 Credits (3-0-0)

Pre-requisite(s): Nil

Overlap with: MAL101 (10%)

If a course (course X) has more than 25% overlapping content with another course (course Y) which is already credited by the student, then a student is not eligible to register for the course (course X).

2.3 Credit System

Semester-based credit system of study is followed at IIT Bhilai. A registered student is allowed to attend classes of the registered courses and earn credit for the registered courses.

2.3.1 Earning Credit

At the end of every semester, a grade is awarded by the course instructor of each course in which a student has registered. On obtaining a pass grade (other than F grade), the student accumulates the course credits as earned credits. The credits earned for the course or thesis are valid for up to seven years only (irrespective of whether the student was on leave or not) and shall not be counted towards the requirements of the degree if they are acquired earlier than seven years or more. The credits earned more than seven years back are deemed expired and must be earned again. A student has the option of auditing upto 3 credits in a semester with consent from the course instructor(s). Grades obtained in audit courses are not counted for computing SGPA/CGPA although the grade earned by the student is

reflected in the grade card or transcript. However, a pass grade (other than F grade) is essential for completing an audit course.

2.3.2 Grading System

Depending upon the performance of the students, the course instructor, shall award a grade to the student. Each grade carries associated numeric points as given below.

Grades for Regular Courses

A+	A	A-	B	B-	C	C-	D	F	FS	I
10	10	9	8	7	6	5	4	0	0	0

Grades for Non-graded courses

S	X
---	---

Grades for Thesis (other than PhD Thesis)

A	A-	B	B-	C	F
10	9	8	7	6	0

The course is said to be passed if the student receives a grade other than F, FS, I or X.

All students shall appear in all examinations (including the mid-semester and end-semester examinations). Failure to appear in any examination will cause 0 (zero) marks to be awarded in that examination and the grading to be carried out accordingly. A student who fails to appear in any written examination (mid-semester or end-semester examination) due to genuine medical or unavoidable reasons may be permitted by the course instructor to take make-up examination subject to certification by the Institute doctor on the severity of the medical condition. The student should make a request for this purpose supported by all documents. Such a request shall reach the course instructor within two days of last date of mid-semester examination or end-semester examination (whichever exam is missed by the student). In exceptional circumstances, course instructors may also allow students to appear in the make-up examination to provide them with an additional chance to improve their performance. Students who are permitted to appear in the make-up examination shall be awarded FS grade. If the student fails to appear in the make-up examination as per the academic calendar, the FS grade is converted to regular grade. The make-up examination shall be used to substitute the marks of the examination missed by the student and the grading shall be carried out by the instructor as per the regular class grading.

F or X grade is given by the course instructor when he/she is convinced that the student must repeat the course, including all lectures, labs, examinations etc. The

student must repeat the course if it is not a PE or OE course. For PE or OE courses, the student can replace the course with another course of the same category.

I grade is given by the course instructor when the student fails to complete the course and will require some extra time to finish the project work or assignment. I grade must be converted to a regular grade within one week of the end of the semester (last day of the end-semester examination). An unconverted I grade is automatically converted to F grade.

S grade is given by the course instructor when he/she is convinced that the performance of the student is satisfactory in the thesis or non-graded core courses.

Students shall be awarded regular grades (A+, A, A-, B, B-, C, C-, D, F) in the audited courses and the same shall be reflected in the grade card or transcript of the student. However, grades of the audited courses shall not be considered in the SGPA/CGPA calculation.

2.3.3 Evaluation System

IIT Bhilai supports continuous evaluation of performance of students in various courses. Course instructor of a course is responsible for conducting written examinations, surprised/announced quizzes, home assignments, project works, lab assignments, presentations, interviews, oral examinations or any other method of evaluation. The weightage for each of these components shall be announced by the course instructor a-priori. Among such examination methods, the formal written examinations (mid-semester and end-semester examinations) shall be carried out as per the academic calendar of the Institute. The course instructor may choose the method of evaluation depending upon the nature of the course and shall make it known to the class in the beginning. A minimum 50% of total weightage will be assigned for mid-semester+ end-semester examinations for theory courses.

The academic calendar of the Institute shall reserve slots for mid-semester and end-semester examinations. The examinations shall be carried out only during this schedule.

2.3.4 Evaluation of Performance

The performance of a student will be evaluated in terms of two indices, viz., the Semester Grade Point Average (SGPA) which is the Grade Point Average for a semester and Cumulative Grade Point Average (CGPA) which is the Grade Point Average for all the completed semesters at any point in time. The SGPA is a weighted sum of the associated numeric points earned by the student for each course registered in a particular semester with weights being the credit of the

course. CGPA is the weighted sum of all courses in the program. The academic performance of a student is typically indicated by SGPA and CGPA.

For example, if the courses and corresponding credits registered for by a student in a semester and the numeric points obtained (corresponding to the grades) are as per the given table, the SGPA shall be computed as per the given formula.

SI No.	Course	Credits Registered	Numeric Points obtained for the corresponding grade
1	Course Title 1	C_1	N_1
2	Course Title 2	C_2	N_2
3	Course Title 3	C_2	N_3
4	Course Title 4	C_2	N_4
5	Course Title 5	C_2	N_5

$$SGPA = \frac{C_1N_1+C_2N_2+C_3N_3+C_4N_4+C_5N_5}{C_1+C_2+C_3+C_4+C_5}$$

CGPA is computed in a similar way except that the courses are taken across all semesters. While computing SGPA and CGPA, the rules of repetition of courses are followed.

A candidate is eligible for the award of BTech degree only if his/her CGPA ≥ 4.5 and fulfills the minimum number of course credits.

The institute awards CGPA on a scale of 10 (Ten) after the assessment of the students. The institute does not offer any formula for the conversion of CGPA to percentage or any other scale. However, wherever percentage is the norm, the CGPA of all IIT Bhilai graduates be notionally converted into percentage by multiplying the CGPA by a factor of 10 (Ten). For the purpose of employment or requirement of any external body, IIT Bhilai graduate having 6 (Six) CGPA and above be taken as First Class.

2.3.5 Course grade improvement

A student is allowed to improve his/her grade (other than F) by repeating the course or replacing it with another course if it is an elective course. When a course is repeated/replaced, the last

grade obtained will be considered in the computations of the CGPA. The SGPA computations shall include all such courses in the corresponding semesters. The courses and the grades for the courses with the expired credits shall not be reflected in the final transcript. These shall not be included in the computation of CGPA after expiration. Such expired credits shall also not be considered cleared. The course grade improvement can be carried out for a maximum of three courses (where the student was awarded C or less and CGPA is less than or equal to 5) in the program such that it does not lead to any increase in the semester load.

2.3.6 Academic probation, Termination from Program & Exit Policy

(a) If SGPA falls below 4.5, he/she will be put on academic probation and intimation has to be sent by the academic office to the department where the student is registered. He/she will be allowed to register for the next semester only if $CGPA \geq 4.0$. A letter of warning will be issued to the student by the DoAA regarding the academic probation and the same is intimated to the Department and parents/guardian of the student.

(b) If, in the subsequent semesters, if $CGPA \geq 4.0$ but $CGPA < 4.5$, he/she will be put on academic probation and intimation has to be sent to the department where the student is registered. He/she may be allowed to register for the next semester on the recommendation of DUGC with the approval of IUGC. A letter of warning will be issued to the student by the DoAA regarding the academic probation and the same is intimated to the Department and parents/guardian of the student.

(c) During the academic probation period, a student is not allowed to participate in any extracurricular events being organized outside of the institute. If it is found that the student has participated in any of such events, his program will be terminated.

(d) A student will normally not be allowed to register and program will be auto terminated if

(i) his/her CGPA falls below 4.0

(ii) his/her CGPA falls below 4.5 for three consecutive semesters.

(e) There is a provision for a student who is terminated from her/his program to appeal for reinstatement of the program. Appeals, if any, should be addressed to the Chairman, Senate, IIT Bhilai. The concerned student may submit an appeal along with all supporting documents to the office of DoAA. However, such an appeal has to be made within one month of his termination order. If the student is sending his/her appeal by post, it is his/her responsibility to ensure that appeals are delivered before the deadline mentioned. All such requests should be sent by DoAA to the department for the recommendation.

2.3.7 Conduct of Courses

The list of program wise courses to be offered by a discipline for the next semester should be provided to the academic section by the discipline before the pre-registration period of the next semester as per the academic calendar.

Every course is taught by one faculty member (sometimes more than one faculty member) of a discipline. This faculty member is designated as the Course instructor. Course instructor has the full responsibility for conducting the course, coordinating the work of teaching assistants involved in that course, administering assignments, conducting and evaluating the quizzes/examinations as well as moderating and awarding the grades. If there are more than one faculty member teaching a course in a semester, one of the course instructors is designated as Course coordinator. Course coordinator has the full responsibility for coordinating the work of other members of the faculty and teaching assistants involved in that course, administering assignments, conducting and evaluating the quizzes/ examinations as well as moderating and awarding the grades. For any difficulty related to a course, students are expected to approach the respective course instructor for advice and clarification. The distribution of the weightage for written examinations, quizzes, assignments, laboratory work, workshop and drawing assignment, term paper, etc. that will be the basis for award of grade in a course will be decided by the course coordinator of that course, in consultation with all the course instructors involved, and announced at the beginning of the semester.

2.4. PROGRAM REQUIREMENTS AND GENERAL STRUCTURE

2.4.1 BTech Program

BTech program at IIT Bhilai is a fully residential program with a nominal duration of 4 years (i.e., 8 semesters). Accordingly, the minimum credit requirements for students in various categories of courses to become eligible for the award of BTech Degree from IIT Bhilai is as follows.

S. No	Category	Credits
1	Institute core (IC) courses	40.5
2	Program linked (PL) courses	3 to 7
3	Program core (PC) courses	46.5 to 57.5
4	Program elective (PE) courses	21 to 25
5	Open elective (OE) Courses	15
6	Liberal art (LA) courses	10

7	Non-graded core (NC) courses	12 units
Total Credits (Minimum requirement)		144 + 12 non-graded core units

Credit requirements for various categories of courses (PC, PL, and PE courses) can be different for different BTech programs.

2.4.2 Underload/Overload Credits

In general a student has to register for the nominal load as per the semester wise program curriculum of the discipline. Overload/underload can only be permitted from third semester onwards. BTech students may be allowed to register for 15 to 21 credits from their third semester onwards by the concerned DUGC conveners on case to case basis. In the eighth regular semester, BTech students may be allowed to register up to a minimum of 9 credits by the concerned DUGC conveners subject to fulfilling the credit requirements.

2.4.3 Semester wise grade card of Academic Performance

At the end of every semester each student is issued a grade card containing the grades obtained for each course of the semester. This grade contains the SGPA and CGPA scores. This grade card serves in the assessment of the student academic performance in the semester. A semester-wise grade card of academic performance is a comprehensive record that showcases a student's achievements and progress throughout their academic journey. It typically consists of a detailed breakdown of grades earned in individual courses or subjects over each semester. This grade card provides valuable insights into a student's overall performance, including their cumulative grade point average (CGPA) or grade point average (GPA) for each semester, which indicates their level of academic achievement. The semester-wise grade card allows students, parents, and educational institutions to track academic progress, identify areas of strength and improvement, and make informed decisions regarding further education or career choices. It serves as a tangible representation of a student's hard work, dedication, and academic abilities, providing a holistic view of their academic performance over time. Additionally, it serves as a benchmark for evaluating eligibility for scholarships, internships, or further academic pursuits.

2.4.4 Transcript: Consolidated Statement of Academic Performance

A transcript contains the grades earned in each course by a student for all the semesters since joining the program. The transcript contains the SGPA and CGPA obtained in each semester.

2.4.5 Course Feedback

At the end of each semester, each student registered in a course is given an opportunity to provide feedback about the course, course instructor(s), and the teaching methodology. A separate feedback form is provided for each course instructor. The course feedback is anonymous and helps in improving the quality of teaching at IIT Bhilai. Although the course feedback is not mandatory, the institute strongly encourages each student to submit the feedback.

2.4.6 Academic Malpractice / Plagiarism

Definitions

pla-gia-rism (noun \ 'plā-jə- ,ri-zəm \): the act of using another person's words or ideas without giving credit to that person

pla-gia-rize (verb \ 'plā-jə- ,rīz \): to use the words or ideas of another person as if they were your own words or ideas

<http://www.merriam-webster.com/dictionary/plagiarize>)

Students copying from each other or from any other sources (including Internet, books, monographs, research papers etc.) for their academic activities without giving proper reference to the original source falls under plagiarism. This defeats the purpose of doing academic activities which is to learn and grow academically and professionally. Performing academic activities by copying is counter-productive as students invest time and learn almost nothing. Plagiarism discourages hard work among students and faculty both.

Policy:

Policy At IIT Bhilai, plagiarism is strictly prohibited. A case of plagiarism will be dealt by DUGC and could be referred to the institute wide disciplinary action committee; the committee, depending upon the severity of the case may give FS/F in the course, suspend the student for a certain period or may expel the student from the institute. A faculty has the right to check the students' submission at any time and take necessary action. It is the responsibility of students to ensure originality of their work, be aware of this policy and abide by it.

2.5 Attendance & Leave Rules

2.5.1 Attendance

Attendance in all classes is compulsory and it is the responsibility of the student to maintain the attendance. Students shall follow the conduct rules and exhibit an exemplary behavior of a model citizen of the nation.

2.5.2 Vacation

A student pursuing BTech is entitled for the intra-semester break (Mid-semester break) and inter-semester break (vacation) as specified in the calendar without seeking any permission. They shall require specific permissions to stay in the campus during the inter-semester break.

2.5.3 Absence from institute

- ❖ Absence during the semester is generally discouraged for all registered students.
- ❖ DUGC Convener may allow a student to leave the campus up to maximum of 9 continuous days (which includes institute holidays and semester break, etc.) in a semester only for genuine cases subject to submission of relevant documents by the students. In case of medical emergencies, a medical certificate issued /verified by the Institute Doctor is mandatory. It is the responsibility of the concerned student to compensate for the academic losses that might have been caused during the absence. Course Instructor(s) may choose to not hold a separate quiz/exam or relax the submission deadlines for students not available in the campus.
- ❖ Students going out of station for any reason on a holiday or on a weekend, shall intimate the respective DUGC.
- ❖ If a student plans to leave the campus, he/she must also provide an address during the leave. Furthermore, any academic loss during this period will be the responsibility of the student.
- ❖ Absence without sanctioned leave may result in the termination of the student's program. Absence without sanctioned leave may also entail loss of financial assistantship/ scholarship for the period of absence, if any.

2.6 Mentoring & Statutory Support for Students

Mentoring and statutory support for students play crucial roles in ensuring their holistic development and academic success. Mentoring involves the guidance, support, and personalized assistance provided by experienced individuals, such as teachers, professors, or professionals, to help students navigate their educational journey. Mentors offer advice, encouragement, and practical insights, helping students set goals, make informed decisions, and overcome challenges. This one-on-one relationship fosters a supportive environment where students can develop their strengths, enhance their skills, and gain confidence. On the other hand, statutory support refers to the legal

framework and provisions put in place by educational institutions or governments to ensure students' well-being and access to quality education. This can include policies addressing inclusivity, diversity, anti-discrimination measures, special educational needs, and other aspects of student welfare. Statutory support aims to create a safe, nurturing, and inclusive learning environment, empowering students to thrive academically, socially, and emotionally. By combining mentoring and statutory support, students receive the guidance and resources necessary to maximize their potential, overcome obstacles, and achieve their educational goals.

2.6.1 Grievance Cell

A grievance cell serves as a designated platform within IIT Bhilai to address and resolve grievances or complaints raised by individuals. It is a vital mechanism for ensuring transparency, accountability, and fairness in addressing concerns related to various aspects, including academics, administration, discrimination, harassment, or any other issues faced by students, employees, or stakeholders. The grievance cell typically operates under a defined framework, following established procedures for receiving, investigating, and resolving grievances. It provides an avenue for individuals to voice their concerns and seek appropriate redressal, ensuring that their rights and interests are protected. The grievance cell plays a pivotal role in promoting a healthy and conducive environment within the organization, fostering trust, and maintaining harmonious relationships between different stakeholders.

2.6.2 Academic Grievance Redressal Committee

To redress the grievances of students pertaining to academic matters, the Academic Grievance Redressal committee has been constituted at the department level and institute level. Grievances pertaining to admission, attendance, evaluation process, violation of guidelines/policies/rules, discrimination, harassment, and other academic issues shall only be considered by the committee. The student shall submit their grievances through email or in writing to the chairman of the Departmental Academic Grievance Redressal Committee (DAGRC).

Further, students may submit their grievances to the Chairman of Institute Academic Grievance Redressal Committee (IAGRC) only if they are not satisfied with the resolution passed by their

respective DAGRC. Dean/FIC Dean, Academic Affairs is Chairman of IAGRC (Email: doaa@iitbhilai.ac.in)

2.6.3 SC/ST Student Cell

IIT Bhilai strives to maintain the social and cultural fabric of India intact. The institute nurture an environment where all the communities can participate in academic and research activities without any type of caste-based discrimination. SC/ST Student Cell has been constituted to look into the complaints received from the SC/ST students. The Cell also strives to ensure that the anonymity of complainer/victim will be maintained during the course of investigation. In case of any complaint related to caste-based discrimination, student can send to Chairman of SC/ST Student Cell.

2.6.4 OBC Cell

OBC Cell is dedicated to promoting inclusivity, diversity, and equal opportunities for students belonging to the Other Backward Classes (OBC) category. At IIT Bhilai, the objective of OBC Cell is to create a supportive environment that respects and addresses the needs of the OBC community within the institute. The cell has specifically concentrated on the welfare and redressal of the grievance of the OBC students. In case of any complaint related to caste-based discrimination, student can send email/contact to Chairperson of OBC Cell. Detailed information is available in the institute website at https://iitbhilai.ac.in/index.php?pid=obc_Cell.

2.6.5 Women's Cell

Internal Complaints Committee (ICC)

At IIT Bhilai, Internal Complaints Committee (ICC) is constituted to address the complaints received, relating to sexual harassment. Any complaint related to the matter can be sent to the chairperson of the committee. Detailed information is available in the institute website at https://iitbhilai.ac.in/index.php?pid=sexual_harassment.

2.6.6 Anti-Ragging Committee

At IIT Bhilai, anti-ragging committee ensures compliance with the provisions of these rules & regulations as well as the provisions of any law for the time being in force concerning ragging; and also to monitor and oversee the performance of the Anti-Ragging Squad in prevention of ragging in the institution. Any complaint related to the ragging can be sent to the FIC DOSA/DoSA (Email: dosa@iitbhilai.ac.in) who is also chairman of the committee.

3. REGULATIONS AND PROCEDURES

3.1 Branch Change

- ❖ An undergraduate student may request for a change of discipline from the one in which he/she is admitted to another one. Such changes may only be requested at the end of the second semester of the program through DOAA.
- ❖ Only those undergraduate students who were admitted through Joint Entrance Examination procedures shall be permitted change of discipline provided they meet other conditions.
- ❖ For the grant of change of discipline, the consideration of academic performance shall purely be the CGPA at the end of second semester.
- ❖ The Institute shall ensure that by change of discipline, the enrolled capacity of any discipline shall not reduce more than 20% and the total number of students shall not exceed 110% of the allotted capacity of any discipline.
- ❖ In case of a tie, the grade distribution will be used to break the tie. A student with more high grades will be given preference over another tied student with fewer high grades.
- ❖ Once the new discipline is allotted, there is no possibility of further change either to a new discipline or going back to the original discipline.

3.2 Additional Options for Academically Motivated Students

3.2.1 Additional Courses

Students can register for MOOC/NPTEL courses worth 6 credits in their entire UG curriculum.

Policy:

*“Grade based course from MOOC based portals shall be considered for **UG students (BTech Program)** under Open Elective (OE) or Program Elective (PE).”*

The guidelines are listed below:

- ❖ Student shall take prior permission from their respective DUGC convener for registering to a grade based course from MOOC.
- ❖ The department shall look into the course content to decide the appropriateness of the course to consider as PE. Overlapping of course

content shall not be allowed.

- ❖ 14 weeks/42 hours course shall be considered as equivalent to a full-semester course equivalent to 3 credits of IIT Bhilai.
- ❖ A student shall be allowed to opt a maximum of 6 credits from MOOC based portals for considering against credit transfer during his/her entire program.
- ❖ The grade awarded (by DUGC convener) for the said courses shall be displayed in Semester grade card during which the course was undertaken and the same shall be considered towards CGPA calculation.

Procedure: The procedure of crediting of the courses done through MOOC based portal is as follows.

The students shall make their request for credit transfer before commencement of the course.

- ❖ The department, if approves a course for credit transfer, shall communicate the same to the O/o Academic Affairs.
 - i. Approval of course will be semester specific. i.e. a course, if approved, will be made available for registration, only for the semester. The same will be open to all eligible students to register for.
 - ii. A course code with a common numeral (495) shall be used for this purpose (Sample course codes: CSL495, MEL495, etc.,)
 - iii. The title of the course shall carry a prefix “MOOC-based (XXX):” followed by the course title as mentioned in the MOOC portal. ‘XXX’ in the course name shall be replaced with the name of the portal from which the MOOC course is being credited (Eg. NPTEL).
- ❖ The respective DUGC convener shall act as the instructor in-charge for any proposed MOOC-based course and is responsible for evaluation and grading of the same.
- ❖ The evaluation and grading scheme shall be informed by the instructor-in-charge to the students before the registration/commencement of the course.

3.2.2 BTech Honours

A student at the end of 5th semester can register for BTech Honours (Course based/Thesis based) depending on their academic performance, interest, and evaluation.

3.2.3 Program Conversion (BTech to MTech; BTech to PhD)

A student may be allowed to convert their program from BTech/BTech (Honours) to Dual Degree (BTech - MTech) program based on academic performance subject to the recommendation of the Competent Authority. Conversion of program is a privilege and not a right.

BTech+MTech Nominal Duration: 5 Years

BTech+PhD Nominal Duration: 7-8 Years

3.2.4 Industrial Training and Fieldwork

Undergraduate students are encouraged to spend their summer on getting industrial training and doing fieldwork, especially in the summer months of their 2nd and 3rd year studentship. The objective of this training is primarily to supplement their knowledge to contribute to a live project and familiarize themselves with the industry environment. Postgraduate students are expected to do research during the Summer semester either on campus or by visiting a research organization in consultation with their thesis supervisor.

4. SCHOLARSHIPS AND AWARDS

4.1 Awards & Medals

Awards and medals at IIT Bhilai are recognitions given to students who have demonstrated outstanding performance or achievements in various fields of study, extracurricular activities, leadership skills. Awards and medals at IIT Bhilai are an important recognition of student achievements and serve as a source of inspiration and motivation for students to strive for excellence in their academic and personal pursuits.

Ø Donor Awards

The following table depicts the various donor awards that are given to students of IIT Bhilai.

S.N.	Name of Award and purpose	Eligibility Criteria	Selection Process	Benefits
1.	P. K. Jain Memorial Award for significant contribution towards the advancement of the institute	A BTech student who has completed 4 th semester.	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Cash Award of Rs. 50,000/- along with a gold plated silver Medal.
2.	Geet Amal Ghosh-Roy Award for	<p>BTech 1st year student with a parental income 4.5 Lakhs or less.</p> <p>A student from the first semester would be chosen from the IIT Bhilai's entrance examination merit list who satisfies the income criteria.</p> <p>The second installment of the award shall be payable in the second semester of study, provided that the same student obtains IIT Bhilai's CGPA rating of 8.0 or above at the end of the</p>	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Cash Award of Rs. 50,000/- awarded in two installments.

		first semester.		
3.	R P Singh Memorial Award for Leadership and Social Work	A BTech student who has completed 2 nd semester of study in B Tech Program with CGPA at least 6.0.	An institute-wide award committee shall evaluate all the candidates for the award.	Cash Award of Rs. 10,000/- (given in four instalments) along with a certificate
4.	Gayatri Devi Leadership Award	A BTech student who has cleared 6 regular semesters at IIT Bhilai with no F grade in Department Core Courses and CGPA at least 7.	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Cash Award of Rs. 11,000/- and a gold-plated silver medal along with a certificate
5.	Alumni Association's Young Researcher Award	A BTech student typically do not receive any aid to register for conferences and workshops where they can present their papers. A maximum of 5 awards to be awarded each year.	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Cash Award of Rs. 10,000/- and a certificate.

6.	K. P. Jain Higher Education Award	A BTech student who has cleared 7 regular semesters at IIT Bhilai with no F grade.	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Cash Award of Rs. 51,000/- and a certificate.
----	--	--	--	---

Ø Convocation Awards

The following table depicts the various convocation awards that are given to graduating students of IIT Bhilai during the convocation ceremony.

S.N.	Name of Award	Eligibility Criteria	Selection Process	Benefits
1.	Institute Gold Medal	BTech student who has secured the highest CGPA among all the outgoing students enrolled in the BTech program in any discipline at the time of graduation, and the student is not debarred to get the award and does not have any F grade.	An institute-wide award committee selects the student as per eligibility criteria.	Gold medal and a certificate during convocation.

2.	Senate's Award	The student securing the highest CGPA in each discipline in their respective program at the time of graduation, and the student is not debarred to get the award and does not have any F grade.	An institute-wide award committee select the student as per eligibility criteria.	A certificate during convocation.
3.	Director's Gold Medal	The student with outstanding all-around performance among all the outgoing students enrolled in BTech program in any discipline at the time of graduation, and do not have any F grade are eligible, provided the student is not debarred to get the award.	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Gold medal and a certificate during convocation ceremony.
4.	Director's Gold Medal	The student with outstanding all-around performance among all the outgoing students enrolled in MTech program in any discipline at the time of graduation, and do not have any F	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Gold medal and a certificate during convocation ceremony.

		grade are eligible, provided the student is not debarred to get the award.		
5.	Director's Gold Medal (Female)	The student with outstanding all-around performance among all the outgoing female students enrolled in BTech/BTech (Hons.)/MSc program in any discipline, at the time of graduation, and do not have any F grade are eligible, provided the student is not debarred to get the award.	An institute-wide award committee shall evaluate all the nominated candidates for the award.	Gold medal and a certificate during convocation

4.2 Scholarships

4.2.1 Institute Scholarships

Institute scholarships at IIT Bhilai are scholarships that are awarded to its students to support their education. These scholarships are specifically designed for students studying at IIT Bhilai. Institute scholarships for IIT Bhilai students provide crucial financial support to students, enabling them to focus on their studies and pursue their educational goals without the burden of financial constraints. These scholarships also

reflect the institute's commitment to supporting the education of the next generation of leaders and professionals.

The following table depicts the institute scholarships that are awarded to students of IIT Bhilai.

S.N.	Name of Scholarship	Eligibility Criteria	Selection Process	Benefits
1.	Merit-cum-Means (MCM) Scholarship	<p>MEANS: Combined parental income shall not exceed Rs. 5 Lakhs for General Category students and Rs. 6 Lakhs in case of OBC students.</p> <p>MERIT: All students of first semester, who are admitted to BTech program of IIT Bhilai. For other semesters, the student should have a CGPA of 6.0 or above and should have no F grade in the previous regular semester.</p> <p>Other eligibility criteria:</p> <ol style="list-style-type: none"> 1. The student should belong to General or OBC category. 2. The student should not have been penalized because of unfair means or indiscipline by IIT Bhilai. A student is eligible for applying for the scholarship ONLY if he/she is eligible under ALL the eligibility criteria. 	An institute-wide scholarship and prizes committee shall evaluate application of all the eligible candidates for the award of scholarship.	Scholarship in the form of full tuition fee waiver as well as pocket money of Rs. 1000/- per month for 10 months.

2.	Institute Free Studentship (IFS) Scholarship	<p>MEANS: Combined parental income shall not exceed Rs. 5 Lakhs for General Category students and Rs. 6 Lakhs in case of OBC students.</p> <p>MERIT: All students of first semester, who are admitted to BTech program of IIT Bhilai. For other semesters, the student should have a CGPA of 6.0 or above and should have no F grade in the previous regular semester.</p> <p>Other eligibility criteria:</p> <ol style="list-style-type: none"> 1. The student should belong to General or OBC category. 2. The student should not have been penalized because of unfair means or indiscipline by IIT Bhilai. A student is eligible for applying for the scholarship ONLY if he/she is eligible under ALL the eligibility criteria. 	An institute-wide scholarship and prizes committee shall evaluate application of all the eligible candidates for the award of scholarship.	Scholarship in the form of full tuition fee waiver.
3.	Institute SC/ST Scholarship	<p>All undergraduate students in SC and ST categories are included.</p> <p>Parental income not to exceed Rs. 4.5 Lakhs per annum.</p> <p>CGPA of 6.0 is required.</p>	An institute-wide scholarship and prizes committee shall evaluate application of all the eligible candidates for the award of scholarship.	Free messing and boarding (to the extent collected) and pocket money of Rs. 250/- per month.

4.2.2 Donor based Scholarships

Donor based scholarships at IIT Bhilai are scholarships that are awarded to its students by individuals, organizations, or businesses who donate funds to support their education. Donor based scholarships provide crucial financial support to students, enabling them to focus on their studies and pursue their educational goals without the burden of financial constraints. These scholarships also reflect the generosity of donors who are committed to supporting the education of the next generation of leaders and professionals.

The following table depicts the donor based scholarship that is awarded to students of IIT Bhilai.

Name of Scholarship	Eligibility Criteria	Selection Process	Benefits
GSTN-CSR Scholarship for MSc students	<p>MEANS: Combined parental income shall not exceed Rs. 5 Lakhs.</p> <p>MERIT: All students of first semester, who are admitted to MSc program of IIT Bhilai. For other semesters, the student should have a CGPA of 6.0 or above and should have no F grade in the previous regular semester (additionally in the summer semester, if applicable).</p> <p>Other eligibility criteria: The student should not have been penalized because of unfair means or indiscipline by IIT Bhilai.</p> <p>A student is eligible for applying for the scholarship ONLY if he/she is eligible under ALL the eligibility criteria.</p>	An institute-wide scholarship and prizes committee shall evaluate application of all the eligible candidates for the award of scholarship.	Scholarship of Rs. 12,000/- per year. The scholarship will be awarded in two equal installments in Monsoon and Winter semesters.