



**RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY**

'Established by Government of Central Provinces Education Department by Notification No. 513 dated the 1<sup>st</sup> of August, 1923 & presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No. VI of 2017)

**DIRECTION NO. 43 OF 2023**

**ADMISSION AND EXAMINATIONS OF STUDENTS IN THE FULL TIME, SEMESTER PATTERN (CHOICE BASED CREDIT SYSTEM) PROGRAMMES LEADING TO THE AWARD OF THE DEGREE OF BACHELOR OF TECHNOLOGY (B.Tech.), DIRECTION, 2023.**

Whereas, The Maharashtra Public Universities Act, 2016 (VI of 2017) has come into force from 1st March 2017;

AND

Whereas, Rashtrasant Tukadoji Maharaj Nagpur University (hereinafter "the University") is now being governed by the Maharashtra Public Universities Act, 2016 (VI of 2017) (hereinafter the Act);

AND

Whereas, the Board of Studies in Applied Science and Humanities and Ad-hoc Committee in General Engineering, in the Faculty of Science and Technology, at their meetings held on 11/12/2020 and 14/1/2021, keeping the guidelines of All India Council of Technical Education (AICTE) in mind have decided to make uniform guidelines to design new 160 credits curriculum for the Bachelor of Engineering (B.E.) and Bachelor of Technology (B.Tech.) Programmes leading to the award of degrees of Bachelor of Engineering & Bachelor of Technology (Full time), in the Faculty of Science and Technology;



AND

Whereas, Hon'ble Vice-Chancellor in exercise of his powers under section 12(7) of the Act has on behalf of the Faculty of Science & Technology and also the Academic Council approved the structure of the Bachelor of Engineering (B.E.) and Bachelor of Technology (B.Tech.) programmes, having 160 credits and also the draft Direction in that regard, as required by the provisions of sections 35(d) and 33 (s) and (t) of the Act;

AND

Whereas, introduction of new academic programme requires making of an Ordinance as per the provisions of section 73(1) of the Act however, since Ordinance making is a time consuming process and there is urgency in introducing the new 160 credit based Full time Bachelor of Engineering and Bachelor of Technology programmes in the faculty of Science and Technology from the academic session 2020-21 a Direction by the Vice-Chancellor, as an interim measure was issued as Direction no. 2 of 2021 ~~38 of 2022~~.

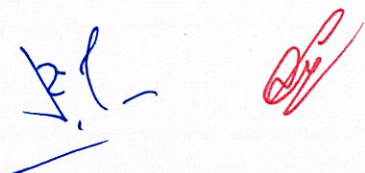
AND

Whereas, in the meetings of Board of Studies of various subject in the Engineering in its meeting dated 7.6.2022 have prepared and accepted the guidelines for Honors (Major) and (Minor) for B.Tech. Programs, the said Guidelines are also accepted and approved in the meeting of the Faculty of Science and Technology on 23.06.2022 and approved by the Academic Council in its meetings dates 8.7.2022 respectively.

AND

Whereas the University has meanwhile issued a Direction no. 32/2021 regarding change of nomenclature of the erstwhile under graduate programme in Engineering, Bachelor of Engineering (B.E.) to Bachelor of Technology (B.Tech.) the said changes are also required to be incorporated, taking all these development in consideration Direction no. 38 of 2022 was issued on 14.09.22;

AND





Whereas, the said Direction could not be converted into an Ordinance within six months from the date of its issuance and is therefore now lapsed by virtue of provisions of the proviso to section 12(8) of the Act;

AND

Whereas, the issuance of an Ordinance is now therefore necessary incorporating the provisions of the Direction no. 38/2022 so lapsed but issuance of an Ordinance is a time consuming process and there is an urgency with respect to admission and examination in the under graduate programmes of Engineering;

Now, therefore , I, **Dr. Subhash R. Chaudhari, Vice-Chancellor** of Rashtrasant Tukadoji Maharaj Nagpur University, in exercise of my powers under section 12(8) of the Act, do hereby issue the following Directions:-

1. This Direction shall be called “Admission and examinations of students in the full time, semester pattern (Choice Based Credit System) Programmes leading to the award of the Bachelor of technology (B. Tech.), Direction 2023.”
2. This Direction shall come in to force from the date of its issuance.
3. In this Direction unless the context requires otherwise:-
  - a. “**ATKT**” means “Allowed to keep Term” in the higher semester, as per the rules herein.
  - b. ‘**Audit Course**’ means a course which will not have credit, evaluated by the college teacher and grades will be given as per clause 11 of this Direction. The grades given in audit courses will not be counted for calculating CGPA/SGPA/Percentage.
  - c. “**Board of Studies**” means the Board of Studies in Applied Science and Humanities and General Engineering, in the Faculty of Science and Technology.
  - d. “**Course**” a unit by which the course work is measured. It determines the number of hours of instructions required per week. One credit is equivalent to one hour of teaching (lecture or tutorial) or two hours of practical work / field work per week.





- e. **“Credit”** means the unit by which the course work is measured. It is measured in terms of weekly class hours assigned to a Course.
- f. **“Credit Point”** (CP) It is the product of grade point and number of credits for a course.
- g. **“Cumulative Grade Point Average (CGPA)”** It is a measure of overall cumulative performance of a student over all semesters. The CGPA is the ratio of total credit points secured by a student in various courses in all semesters and the sum of the total credits of all courses in all the semesters. It is expressed up to two decimal places.
- h. **“Degree”** means the Degrees of the Bachelor of Technology (B.Tech.) (full time) (Semester Pattern) ( Choice Based Credit System).
- i. **“Letter Grade”** It is an index of the performance of the students in a said course. Grades are denoted by the letters O, A+, A, B+, B, C, P and F.
- j. **“Open Elective”** means courses under this heading offered by a program, the students of the same program will be able to opt such courses.
- j. **“Grade Point”** It is a numerical weight allotted to each letter grade on a 10-point scale..
- k. **“Programme”** means and includes both the Bachelor of Engineering(B.E.) and the Bachelor of Technology (B.Tech.) (Full time) (Semester Pattern) (Choice Based Credit System) programmes under this Direction (**for short the 160 credit programmes**).
- l. **“Student”** means a student admitted to the programme under this Direction.
- m. **“Semester Grade Point Average(SGPA)”** It is a measure of performance of work done in a semester. It is a ratio of total credit points secured by a student in various courses registered in a semester and the total course credits taken during that semester. It shall be expressed upto two decimal places.
- n. **“University”** means Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.



5. **Admission and eligibility to the Programmes:**

- (a) Subject to the compliance with the provisions of this Direction and other Ordinances/Directions, in force from time to time, an applicant for admission to Semester-I of the programme shall have passed 12th (Science) examination with subjects specified in Director of Technical Education (Maharashtra)“ s circulars issued from time to time
- (b) The students having Diploma in Technical Education and also the students who are B.Sc. graduates are eligible for the lateral entry in the second year of the programmes.
- (c) The minimum percentage of marks in the qualifying examination shall be as per the applicable governing rules Framed by Government of Maharashtra from time to time.
- (d) The students having Diploma of Board of Technical Education and taking lateral admission to direct B.E./B.Tech at second year level are not required to appear for any subjects of the first year of B.E./B.Tech of new 160 credit pattern. Their SGPA and CGPA will be considered from second year.
- (e) The students with B.Sc. degree taking admission to second year level shall have to appear, additionally, for theory and practical (if applicable) examination of Engineering Graphics-I, Basics of Civil and Mechanical Engineering, Basics of Electrical Engineering, Computational Skill and Engineering Mechanics of First year in new 160 credit pattern.

6. **Duration of the Programmes:**

- i. The B.Tech programme shall consist of 4 Years (Eight Semesters)

7. **Medium of Instructions:** The medium of instructions and examinations shall be English.

8. **Structure of the Programmes:**





- I. The detail structure of the B.Tech programmes shall be as given in Annexures A to H-xii.
- II. The B.E. /B.Tech programme shall also be of two more types i.e. B.E./B.Tech with Minor and Major (Honor), Guidelines for Honors, Major and Minor are given under Annexure -I

**A) B.Tech Degree with a Minor/Major (Honor)**

- a) A student who fulfills the requirements of the B.E./B.Tech. program of the discipline in which he/she is admitted, will be awarded with B.E./B.Tech. degree in that discipline. The flexibility is offered for students to successfully complete additional 18 to 20 credits by passing the courses through online mode from the specified platforms. Such students shall be awarded B.E./B.Tech Degree with Minor.
- b) If a student is unable to earn additional 18 to 20 credits along with all the prescribed credits of the program in which he/she is admitted within the stipulated allowed duration of the original program he/she will not be awarded Minor/Major (Honor) degree.

**B) B.Tech. with Minor :**

- a) Minor scheme aims for additional knowledge in any other branch for enhancement of employability. During the span of Four years (Three Years in case of lateral entry) on completion of 18 to 20 additional credits in another discipline, the B.Tech. degree with "Minor Specialization in -----" (concerned discipline/subject) will be awarded to the student on completion of final semester.

[The detailed guidelines for Honors (Major) and Minor for B.Tech. Programme are annexed herewith as Annexure "I"]

- b) A student having final CGPA of more than or equal to 7 in regular





programme with no backlog in any semester, during the span of his/her degree will be eligible to get Degree with Minor.

**C) B.Tech. with Major (Honor) :**

- a) Honor (Major) scheme aims at growth of vertical knowledge of the student in his/her parent branch which may have advance knowledge or research orientation. During the span of four years (Three Years in case of lateral entry) on completion of 18 to 20 additional credits, through online mode, in the same discipline, the B.Tech. degree with "Major in....."( concerned Discipline) or Honor " will be awarded to the student on completion of Final semester.
- b) A student having final CGPA of more than or equal to 7 and no backlog subjects, in any semester, during the span of his/her degree programme will be eligible to get Degree with "Honor", otherwise the student will be eligible to get Degree with "Major" specialization in the discipline, under this category.

The detailed guidelines for Honors (Major) and (Minor) for B.Tech. Programme are annexed herewith as Annexure "I"

Detailed curriculum of Major (Honor)/ Minor is available on RTMNU website.

**9. Curriculum of the Programmes:-**

The detail content of the courses prescribed for each semester of the B.Tech. programmes shall be as determined by the relevant Board of Studies and notified by the University from time to time.

**10. Scheme of Examinations: -**

- i) Subject to the provisions of the general rules of the University with respect to conduct of examinations and in particular the rules regarding payment of examination fees, award of grace marks, and the maximum and minimum passing



marks and eligibility for getting exemption in any passing heads, as shown in the relevant Annexures herein, there shall be end semester examination to be conducted by the University as per the scheme and modalities to be notified from time to time.

- ii) An examinee who does not pass or who fails to present himself/herself for the examination(s) shall be eligible for reappearing in the same examination on payment of a fresh fee and such other fees as may be prescribed from time to time. However, re-admission to the semester would be allowed only when a regular session is running for a particular semester.
- iii) In the case of unsuccessful examinees, the marks obtained in the college assignment in the subjects, he/she has failed, shall be carried forward. However, the student has option to forgo the college assignment marks.

I. **Annexure A: B.Tech 1<sup>st</sup> Semester Scheme of Examination**

II. **Annexure B: B.Tech 2<sup>nd</sup> Semester Scheme of Examination**

III. **Annexure C: B.Tech 3<sup>rd</sup> Semester Scheme of Examination.**

- i. Civil Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- ii. Mechanical Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- iii. Electrical Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- iv. Electronics Engineering/ Electronics & Telecommunication Engineering/ Electronics & Communication Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- v. Chemical Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- vi. Chemical Technology 3<sup>rd</sup> Semester Scheme of Examination.
- vii. Fire Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- viii. Artificial Intelligence & Data Science 3<sup>rd</sup> Semester Scheme of Examination.
- ix. Artificial Intelligence 3<sup>rd</sup> Semester Scheme of Examination.
- x. Robotics & Artificial Intelligence 3<sup>rd</sup> Semester Scheme of Examination.
- xi. Industrial IOT 3<sup>rd</sup> Semester Scheme of Examination.
- xii. Artificial Intelligence and Machine Learning 3<sup>rd</sup> Semester Scheme of Examination.
- xiii. Information Technology 3<sup>rd</sup> Semester Scheme of Examination.
- xiv. Computer Technology 3<sup>rd</sup> Semester Scheme of Examination.
- xv. Computer Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- xvi. Computer Science Engineering 3<sup>rd</sup> Semester Scheme of Examination.
- xvii. Bio-Technology 3<sup>rd</sup> Semester Scheme of Examination.
- xviii. Aeronautical Engineering 3<sup>rd</sup> Semester Scheme of Examination.



- IV. **Annexure D: B.Tech 4<sup>th</sup> Semester Scheme of Examination**
- i. Civil Engineering 4<sup>th</sup> Semester Scheme of Examination
  - ii. Mechanical Engineering 4<sup>th</sup> Semester Scheme of Examination
  - iii. Electrical Engineering 4<sup>th</sup> Semester Scheme of Examination
  - iv. Electronics Engineering/ Electronics & Telecommunication Engineering/ Electronics & Communication Engineering 4<sup>th</sup> Semester Scheme of Examination
  - v. Chemical Engineering 4<sup>th</sup> Semester Scheme of Examination
  - vi. Chemical Technology 4<sup>th</sup> Semester Scheme of Examination
  - vii. Fire Engineering 4<sup>th</sup> Semester Scheme of Examination
  - viii. Artificial Intelligence & Data Science 4<sup>th</sup> Semester Scheme of Examination
  - ix. Artificial Intelligence 4<sup>th</sup> Semester Scheme of Examination
  - x. Robotics & Artificial Intelligence 4<sup>th</sup> Semester Scheme of Examination
  - xi. Industrial IOT 4<sup>th</sup> Semester Scheme of Examination.
  - xii. Artificial Intelligence and Machine Learning 4<sup>th</sup> Semester Scheme of Examination.
  - xiii. Information Technology 4<sup>th</sup> Semester Scheme of Examination.
  - xiv. Computer Technology 4<sup>th</sup> Semester Scheme of Examination.
  - xv. Computer Engineering 4<sup>th</sup> Semester Scheme of Examination.
  - xvi. Computer Science Engineering 4<sup>th</sup> Semester Scheme of Examination.
  - xvii. Bio-Technology 4<sup>th</sup> Semester Scheme of Examination.
  - xviii. Aeronautical Engineering 4<sup>th</sup> Semester Scheme of Examination.
- V. **Annexure E: B.Tech 5<sup>th</sup> Semester Scheme of Examination**
- i. Civil Engineering 5<sup>th</sup> Semester Scheme of Examination
  - ii. Mechanical Engineering 5<sup>th</sup> Semester Scheme of Examination
  - iii. Electrical Engineering 5<sup>th</sup> Semester Scheme of Examination
  - iv. Electronics Engineering/ Electronics & Telecommunication Engineering/ Electronics & Communication Engineering 5<sup>th</sup> Semester Scheme of Examination
  - v. Chemical Engineering 5<sup>th</sup> Semester Scheme of Examination
  - vi. Chemical Technology 5<sup>th</sup> Semester Scheme of Examination
  - vii. Fire Engineering 5<sup>th</sup> Semester Scheme of Examination
  - viii. Artificial Intelligence & Data Science 5<sup>th</sup> Semester Scheme of Examination
  - ix. Artificial Intelligence 5<sup>th</sup> Semester Scheme of Examination
  - x. Robotics & Artificial Intelligence 5<sup>th</sup> Semester Scheme of Examination
  - xi. Industrial IOT 5<sup>th</sup> Semester Scheme of Examination.
  - xii. Artificial Intelligence and Machine Learning 5<sup>th</sup> Semester Scheme of Examination.
  - xiii. Information Technology 5<sup>th</sup> Semester Scheme of Examination.
  - xiv. Computer Technology 5<sup>th</sup> Semester Scheme of Examination.
  - xv. Computer Engineering 5<sup>th</sup> Semester Scheme of Examination.
  - xvi. Computer Science Engineering 5<sup>th</sup> Semester Scheme of Examination.
  - xvii. Bio-Technology 5<sup>th</sup> Semester Scheme of Examination.
  - xviii. Aeronautical Engineering 5<sup>th</sup> Semester Scheme of Examination.
- VI. **Annexure F: B.Tech 6<sup>th</sup> Semester Scheme of Examination**
- i. Civil Engineering 6<sup>th</sup> Semester Scheme of Examination



- ii. Mechanical Engineering 6<sup>th</sup> Semester Scheme of Examination
- iii. Electrical Engineering 6<sup>th</sup> Semester Scheme of Examination
- iv. Electronics Engineering/ Electronics & Telecommunication Engineering/ Electronics & Communication Engineering 6<sup>th</sup> Semester Scheme of Examination
- v. Chemical Engineering 6<sup>th</sup> Semester Scheme of Examination
- vi. Chemical Technology 6<sup>th</sup> Semester Scheme of Examination
- vii. Fire Engineering 6<sup>th</sup> Semester Scheme of Examination
- viii. Artificial Intelligence & Data Science 6<sup>th</sup> Semester Scheme of Examination
- ix. Artificial Intelligence 6<sup>th</sup> Semester Scheme of Examination
- x. Robotics & Artificial Intelligence 6<sup>th</sup> Semester Scheme of Examination
- xi. Industrial IOT 6<sup>th</sup> Semester Scheme of Examination.
- xii. Artificial Intelligence and Machine Learning 6<sup>th</sup> Semester Scheme of Examination.
- xiii. Information Technology 6<sup>th</sup> Semester Scheme of Examination.
- xiv. Computer Technology 6<sup>th</sup> Semester Scheme of Examination.
- xv. Computer Engineering 6<sup>th</sup> Semester Scheme of Examination.
- xvi. Computer Science Engineering 6<sup>th</sup> Semester Scheme of Examination.
- xvii. Bio-Technology 6<sup>th</sup> Semester Scheme of Examination.
- xviii. Aeronautical Engineering 6<sup>th</sup> Semester Scheme of Examination.

**VII. Annexure G: B.Tech 7<sup>th</sup> Semester Scheme of Examination**

- i. Civil Engineering 7<sup>th</sup> Semester Scheme of Examination
- ii. Mechanical Engineering 7<sup>th</sup> Semester Scheme of Examination
- iii. Electrical Engineering 7<sup>th</sup> Semester Scheme of Examination
- iv. Electronics Engineering/ Electronics & Telecommunication Engineering/ Electronics & Communication Engineering 7<sup>th</sup> Semester Scheme of Examination
- v. Chemical Engineering 7<sup>th</sup> Semester Scheme of Examination
- vi. Chemical Technology 7<sup>th</sup> Semester Scheme of Examination
- vii. Fire Engineering 7<sup>th</sup> Semester Scheme of Examination
- viii. Artificial Intelligence 7<sup>th</sup> Semester Scheme of Examination
- ix. Robotics & Artificial Intelligence 7<sup>th</sup> Semester Scheme of Examination
- x. Industrial IOT 7<sup>th</sup> Semester Scheme of Examination.
- xi. Artificial Intelligence and Machine Learning 7<sup>th</sup> Semester Scheme of Examination.
- xii. Bio-Technology 7<sup>th</sup> Semester Scheme of Examination.

**VIII. Annexure H: B.Tech 8<sup>th</sup> Semester Scheme of Examination**

- i. Civil Engineering 8<sup>th</sup> Semester Scheme of Examination
- ii. Mechanical Engineering 8<sup>th</sup> Semester Scheme of Examination
- iii. Electrical Engineering 8<sup>th</sup> Semester Scheme of Examination
- iv. Electronics Engineering/ Electronics & Telecommunication Engineering/ Electronics & Communication Engineering 8<sup>th</sup> Semester Scheme of Examination
- v. Chemical Engineering 8<sup>th</sup> Semester Scheme of Examination
- vi. Chemical Technology 8<sup>th</sup> Semester Scheme of Examination
- vii. Fire Engineering 8<sup>th</sup> Semester Scheme of Examination
- viii. Artificial Intelligence 8<sup>th</sup> Semester Scheme of Examination



- ix. Robotics & Artificial Intelligence 8<sup>th</sup> Semester Scheme of Examination
- x. Industrial IOT 8<sup>th</sup> Semester Scheme of Examination.
- xi. Artificial Intelligence and Machine Learning 8<sup>th</sup> Semester Scheme of Examination.
- xii. Bio-Technology 8<sup>th</sup> Semester Scheme of Examination.

#### 11. Calculation of SGPA and CGPA

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

- a) SGPA and CGPA will be calculated on the basis of the grades as detailed below
  - i) Conversion of Marks to Grades and Grade Points using Absolute Grading system.
    - For each course taken, the student will be assigned with a grade based on the combined performance in all the assessments.
    - Table -1 shows the various grades, grade points awarded to students with mark range as indicated. Table-1: Award of Grades and Grade Points for Theory Courses

##### (a) Course/Subject carrying maximum 100 marks

Marks Range)	Grade	Grade Point	Performance
$X \geq 91$	O	10	Outstanding
$91 > X \geq 85$	A+	9	Excellent
$85 > X \geq 76$	A	8	Very Good
$76 > X \geq 66$	B+	7	Good
$66 > X \geq 56$	B	6	Average
$56 > X \geq 45$	P	5	Pass
$X < 45$	F	0	Fail
Absent	AB	0	Absent

X = Marks obtained out of 100

##### (b) : Course/Subject carrying maximum 50 marks

Marks Range(for Max 50 marks)	Grade	Grade Point	Performance
$X \geq 46$	O	10	Outstanding
$46 > X \geq 42$	A+	9	Excellent
$42 > X \geq 38$	A	8	Very Good
$38 > X \geq 33$	B+	7	Good



$33 > X \geq 28$	B	6	Average
$28 > X \geq 23$	P	5	Pass
$X < 23$	F	0	Fail
Absent	AB	0	Absent

X = Marks obtained out of 50

(c) : Award of Grades and Grade Points for Practical Courses

Marks Range (for Max 50 marks)	Grade	Grade Point	Performance
$X \geq 46$	O	10	Outstanding
$46 > X \geq 42$	A+	9	Excellent
$42 > X \geq 38$	A	8	Very Good
$38 > X \geq 34$	B+	7	Good
$34 > X \geq 30$	B	6	Average
$30 > X \geq 25$	P	5	Pass
$X < 25$	F	0	Fail
Absent	AB	0	Absent

X = Marks obtained out of 50

(d) Award of Grades and Grade Points for practical courses, maximum 100 marks

Marks Range (for Max 50 marks)	Grade	Grade Point	Performance
$X \geq 91$	O	10	Outstanding
$91 > X \geq 85$	A+	9	Excellent
$85 > X \geq 76$	A	8	Very Good
$76 > X \geq 66$	B+	7	Good
$66 > X \geq 56$	B	6	Average
$56 > X \geq 50$	P	5	Pass
$X < 50$	F	0	Fail
Absent	AB	0	Absent

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



ii) Obtaining Grade Point

- The academic performance of a student will be graded on Ten pointscale.
- The qualitative assessment of student's performance will be indicated by these grades.
- Each grade is associated with a grade point as listed in Table-1.

iii) Calculating SGPA and CGPA

- The grades upto "P" awarded to student in all the courses shall be converted into a Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA).
- The SGPA is the ratio of sum of the product of the number of credits with the grade points scored by a student in all the courses taken by a student and the sum of the number of credits of all the courses undergone by a student, i.e.

$$\text{SGPA (Si)} = \frac{\sum(C_i \times G_i)}{\sum C_i}$$

Where  $C_i$  is the number of Credits of the  $i$ th course and  $G_i$  is the Grade point scored by the student in the  $i$ th course.

- The CGPA is also calculated in the same manner taking into account all the courses undergone by a student over all the semesters of a programme, i.e.

$$\text{CGPA} = \frac{\sum(C_i \times S_i)}{\sum C_i}$$

Where  $S_i$  is the SGPA of the  $i$ th semester and  $C_i$  is the Total number of credits in that semester.

- The SGPA and CGPA shall be rounded off to 2 decimal points and reported in the transcripts.





- iv) Incentive credits to the students participating in NCC/NSS/ Games & Sports/Cultural Activities/Curricular and Co-curricular Activities will be awarded as per the University prevailing ordinance“

## 12. Class/Division

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

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

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

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

## 13. Award of Merit Ranks

The students admitted to the programmes governed by this Direction on successful completion of the programme shall be eligible to be awarded a merit rank as per the general rules of the University in this regard.

## 14. Exit Policy for Failure/Dropout Students:

- i). Student who wish to exit before the completion of the program duration, may be issued Certificate/Diploma/Advance Diploma as per their acquired levels of learning with additional skill as mentioned below.

Table-3: Additional online/off line Courses required to qualify

Award	Year of Completion	Additional online/offline courses required.
Certificate	Certificate on exit after First year	1 Certificate course of 30 hours duration (2 Credits)
Diploma	Diploma on exit after Second year	1 Diploma Course of 60 hours duration. (4 Credits) in specialized area.
Advance Diploma	Advance-Diploma on exit after Third year	1 Diploma Course of 90 hours duration (6 credits) in specialized area

Note:- Students may opt for MOOC or specified platforms for online courses with prior permission of University



ii). Student who wish to exit without completing First year and who is not eligible for award of "certificate/Diploma/Adv Diploma" should undergo hands on training for getting Certificate.

Exit Policy for Failure Students		: Hands on Training
i	Orientation	<ul style="list-style-type: none"> <li>- Engineering Based</li> <li>- Skill Development based</li> <li>- Atmanirbhar</li> <li>- Self employable</li> </ul>
ii	Duration	6 Months
iii	Areas of Training	Automobile Workshop, Machine Shop, Welding Shop, Motor Winding, Electric Fittings, TV Repairing, Mobile Repairing, Hardware Repairing, Networking, Road constructions, building constructions, Physician Course, X Ray Technician, Biomedical Instrumentation, etc ( Skill Development Courses from Jivan Shikshan Abhiyan, NSQF)
iv	Credits	10-15
v	Nature of award	Certificate
<p>a) Institute and University should have a joint MOU with workshops/Shops/Service Providers/Contractors/Entrepreneurs etc. at local level</p> <p>b) Certificate to be issued on the basis of regular monitoring and handson training report from concerned agency after 6 month.</p> <p>c) In case student is not interested to undertake any above mentioned training then certificate to be issued on the basis of credits earned.</p> <p>d) Students must earn 20credits and above out of subjects he/she hasto pass in First year. This can be provided with credit certification for multidisciplinary entry.</p>		



### **15 A.T.K.T Rules**

- i.) For calculation of passing heads, any decimal fraction should be rounded off to lower digit.
- ii) Passing the semester shall include all the credit and audit subject heads.
- iii) For getting promotion in the higher class (under ATKT) a student shall have passed minimum 50 % heads prescribed for a particular year, comprising two semesters.
- iv) For moving to third year (5<sup>th</sup> Sem.) a student must be passed in all subjects of first year. similarly for moving to fourth year student must pass all the subjects of second year.
- v) This clause is applicable to all those students who are admitted under direction No. 02 of 2021 & 38 of 2022

### **16. ABSORPTION SCHEME**

- i. After introduction of the 160 credit programmes under this Direction existing B.E. and B.Tech. programmes shall be discontinued in a phase-wise (progressive) manner and the failure students of the said programmes shall be provided maximum five attempts to clear all the courses/subject(s) of the said programmes after which they shall be absorbed in the 160 credit programmes under this Direction as per the absorption scheme hereunder.
- ii. The students of the existing programmes shall also be entitled to join the 160 credit programmes as per the absorption schemes provided by relevant Board of Studies. However, student will have to appear for the examinations under new 160 Credit Scheme for the matchable subjects in which student has not cleared the subject in the existing programmes.
- iii.a) A student having passed in particular course/subject heads of the existing programme at any semester level shall be exempted from such subject heads at any level (lower/higher) of the new 160 Credit programme. If any course/subject is named with a new nomenclature but is having similar contents it shall also be exempted. The respective Board of Studies shall prepare and notify the list of such subjects. Wherever a student is absorbed in the new 160 credit course with benefit of exemption in courses/subjects, in any semester, proportionate marks/grades shall be awarded in the concerned course/subject heads.
- b) Wherever a new course/subject has been introduced in the new 160 Credit



programme in any semester which was not to be found in the existing programmes the internal marks shall be awarded in proportion to the marks/grades earned by a student in the university/external examination in the concerned new course/subject head.

c) Student being absorbed in new 160 Credit Pattern shall be exempted from the subject/s which he/she has cleared in the existing semester pattern as per the absorption scheme provided by the concern B.O.S. However the subject/s which he/she has not cleared in the old semester pattern and having no equivalent subject at any level of new 160 Credit Pattern shall not be considered during the absorption irrespective of the status of the result of that subject.

17. If any difficulty in implementation of the scheme of this Direction is encountered or any doubt regarding interpretation of any provision of this Direction arises the matter shall be referred for decision of the Vice- Chancellor whose decision shall be final and binding on all the concerned people.

Nagpur

Date: 30-10-2023

(Dr. Subhash R. Chaudhari )  
Vice-Chancellor

P.L.