

Academic Regulations

B.Tech. Programme

Faculty of Engineering & Technology
M.S. Ramaiah University of Applied
Sciences

2018

University House, New BEL Road, MSR Nagar,
Bangalore – 560 054

www.msruas.ac.in

Table of Contents

U.1 Short Title and Commencement	5
U.2 Definitions	5
U.3 Academic Programme	6
U.3.1 Nomenclature of the programme.....	6
U.3.2 Medium of Instruction	6
U.3.3 Programme Offered	6
U.3.4 Study Scheme.....	6
U.3.5 Academic Year	7
U.4 Programme Duration.....	7
U.4.1 Normal Duration	7
U.4.2 Maximum Duration	7
U.4.3 Duration for Lateral Entry Scheme	8
U.5 Admissions.....	8
U.5.1 Admission of Students	8
U.5.2 Eligibility	8
U.5.3 Selection of Students	9
U.5.4 Admission to Programme	9
U.5.5 Annual Programme Fee	9
U.5.6 Free-ships and Scholarships.....	9
U.6 Credits.....	10
U.6.1 Credit Definition.....	10
U.6.2 Typical Credit Structure	10
U.6.3 Credit Requirements	10
U.7 Curriculum	12
U.7.1 Development of Programme Curriculum	12

U.7.2	Curriculum Framework	13
U.7.3	Minor Programme	13
U.8	Programme Delivery.....	14
U.8.1	Attendance Requirement	14
U.9	Assessment.....	15
U.9.1	Achievement Testing.....	15
U.9.2	Examiners	15
U.9.2.1	Internal Examiner.....	16
U.9.2.2	Second Examiner.....	16
U.9.2.3	External Examiner	16
U.9.2.4	Marking System	16
U.9.2.5	Rounding off Policy.....	16
U.9.3	Pass Criterion and Earning of Credits.....	16
U.9.3.1	Pass Criterion	16
U.9.3.2	Earning of Credits.....	16
U.9.4	Credits not Earned in a Course and Opportunities for Make-up.....	17
U.9.5	Promotion Criterion	18
U.9.6	Programme Quality Monitoring.....	19
U.9.6.1	Staff Student Consultative Committee	19
U.9.6.2	Subject Assessment Board (SAB)	19
U.9.6.3	Programme Assessment Board (PAB).....	20
U.9.7	Academic Awards.....	21
U.9.7.1	Award of Class – Semester Basis.....	21
U.9.7.2	Announcement of Results.....	22
U.9.7.3	Re-evaluation of SEE	23
U.9.7.4	Withholding of Results.....	23
U.9.7.5	Statement of Learning and Achievement (Transcript/Marks card)	23

U. 9.7.6	Degree Certificate	22
U.9.7.7	Provisional Degree Certificate.....	22
U. 9.7.8	Convocation	23
U.10	Other Academic Matters.....	23
U.10.1	Credit Framework for Online Courses.....	23
U.10.2	Student Transfers / Migration.....	24
U.10.3	Change of Branch	24
U. 10.4	University Awards.....	25
U. 10.5	Donor Awards	25
U. 10.6	Corrections in Statement of Learning and Achievement and Certificates.....	25
U.10.7	Duplicate Transcripts and Degree Certificate	25
U.10.8	Termination from the Programme.....	25
U.10.9	Conduct and Discipline.....	26
U.10.10	Intellectual Property	26
U.11	Amendments to the Academic Regulations	26

Academic Regulations for B. Tech. Programme

(Applicable for 2018 Batch onwards)

U.1 Short Title and Commencement

- a. The regulations listed under this head are common for all disciplines of Bachelor of Technology (B. Tech.) programme offered by the University.
- b. The regulations hereunder are subject to amendments by the Academic Council of the University, from time to time, after obtaining approval of the Board of Management. Such amendments will be effective from such date and apply to such batches of candidates, including those already undergoing the programme, as may be determined by the Academic Council.

U.2 Definitions

- a. “Branch” means a discipline of engineering under the B. Tech. Degree Programme (e.g. Civil Engineering, Computer Science and Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Mechanical Engineering, Automotive Engineering and Aerospace Engineering);
- b. “Programme” means a set of courses a student is required to successfully complete to become eligible for award of the B. Tech. degree;
- c. “Programme Specifications” means the document that describes the educational aims, programme objectives, learning outcomes and the detailed programme structure for each programme;
- d. “Commission” means the University Grants Commission (UGC);
- e. “University” means the M. S. Ramaiah University of Applied Sciences (MSRUAS);
- f. “Department” means an academic unit, under a Faculty, responsible for delivering the programme (e.g. Department of Mechanical and Manufacturing Engineering);
- g. “Faculty” means the Academic Units of the University offering various academic programme (e.g. Faculty of Engineering and Technology, Faculty of Art & Design etc.);
- h. “Course” means a subject, either theory or practical or both, listed under a programme;
- i. “Course Specifications” mean the document that describes the title, the learning outcomes, syllabus, teaching and learning methods and assessment methodology for each Course;
- j. “Statutes” mean the MSRUAS Statutes;
- k. “Answer Scripts” means test, assignment or examination answer sheet or booklet.

U.3 Academic Programme

U.3.1 Nomenclature of the programme

The nomenclature and the abbreviation given below shall be used for this Programme of the University:

(i) Bachelor of Technology (B. Tech.)

In addition, the branch or discipline of engineering, if any, shall be indicated in brackets after the abbreviation. For example, the engineering Degree in Mechanical Engineering programme will be abbreviated as “B. Tech. (Mechanical Engineering)”.

U.3.2 Medium of Instruction

The medium of instruction for the Programme is English.

U.3.3 Programme Offered

The University offers the Bachelor of Technology (B. Tech.) Degree Programme in:

1. Civil Engineering
2. Computer Science and Engineering
3. Electrical and Electronics Engineering
4. Electronic and Communication Engineering
5. Mechanical Engineering
6. Automotive Engineering
7. Aerospace Engineering

U.3.4 Study Scheme

The University follows the semester scheme for the Programme.

U.3.5 Academic Year

The academic calendar will be synchronized with the admission notification and allotment of candidates by the Government of Karnataka in each academic year. The details of the academic year are as shown in Table-1.

Table – 1 Academic Year																								
Sl. No	Description	Remarks																						
1	Number of semesters in a year	Three semesters (Two regular and one Summer semester)																						
2	Semester duration in weeks	20 weeks each for regular semesters (Odd/Even) and 10 weeks in case of																						
3	Typical academic activities in weeks	<table><tr><td colspan="2">Regular Semester:</td></tr><tr><td>Registration and Induction</td><td>0.5 week</td></tr><tr><td>Course Work</td><td>14.5 weeks</td></tr><tr><td>Examination Preparation</td><td>1 week</td></tr><tr><td>Laboratory Examination</td><td>1 week</td></tr><tr><td>Theory Examination</td><td>2 weeks</td></tr><tr><td>Holidays</td><td>1 week</td></tr><tr><td colspan="2">Summer Semester:</td></tr><tr><td>Course Work</td><td>7 weeks</td></tr><tr><td>Examinations</td><td>2 weeks</td></tr><tr><td>Holidays</td><td>1 week</td></tr></table>	Regular Semester:		Registration and Induction	0.5 week	Course Work	14.5 weeks	Examination Preparation	1 week	Laboratory Examination	1 week	Theory Examination	2 weeks	Holidays	1 week	Summer Semester:		Course Work	7 weeks	Examinations	2 weeks	Holidays	1 week
Regular Semester:																								
Registration and Induction	0.5 week																							
Course Work	14.5 weeks																							
Examination Preparation	1 week																							
Laboratory Examination	1 week																							
Theory Examination	2 weeks																							
Holidays	1 week																							
Summer Semester:																								
Course Work	7 weeks																							
Examinations	2 weeks																							
Holidays	1 week																							
4	Evaluation	Continuous Evaluation (CE) and Semester End Examination (SEE), and student's																						
5	Other items	<ul style="list-style-type: none">The total number of working days in an academic year shall be > 180;Academic schedules prescribed by the University shall be strictly adhered to by all the concerned;Summer semester is conducted to give students extended opportunities to earn the credits or complete the required credits for the academic year.																						
Detailed Academic Calendar is available on University Website.																								

U.4 Programme Duration

U.4.1 Normal Duration

The normal duration of the Programme is four years.

U.4.2 Maximum Duration

The maximum duration a student can take to complete the Programme is double the normal duration. i.e., Eight years.

U.4.3 Duration for Lateral Entry Scheme

A student admitted directly to the third semester, under lateral entry scheme, shall complete the programme within a period of three academic years from the date of first admission to the Programme. However, the maximum period permitted is double the normal duration of the Programme, i.e., six years from the date of first admission to the Programme.

U.5 Admissions

U.5.1 Admission of Students

Admission of students to various programme listed under Section U.3.3 shall be made by the University as explained in the Prospectus or Notification issued before the commencement of each academic year.

U.5.2 Eligibility

- a. Eligibility for students seeking admission under Government of Karnataka quota candidates for admission to the Programme shall meet the eligibility criteria as described in Table-2.

Table – 2: Eligibility Criteria		
Sl. No	Programme / Branch	Eligibility
1.	Civil Engineering	<p>a. Passed 10+2 examination with Physics and Mathematics as compulsory courses along with Chemistry/Bio Technology/ Biology/ Electronics / Computer science. Obtained at least 45% aggregate marks (40% in case of candidates belonging to reserved category) in the above mentioned courses.</p> <p>b. For lateral entry to Second year of B. Tech.</p> <ol style="list-style-type: none"> i. Passed Diploma examination from an approved institution with a minimum of 45% marks (40% in case of candidates belonging to reserved category) in appropriate branch of Engineering / Technology ii. Passed B.Sc. from a University recognized by UGC with a minimum of 45% marks (40% in case of candidates belonging to reserved category) and passed 12th standard with Physics and Mathematics as courses. <p>In all cases of Lateral Entry admissions, the Equivalence Committee decision will be final.</p>
2.	Computer Science and Engineering	
3.	Electrical and Electronics Engineering	
4.	Electronic and Communication Engineering	
5.	Mechanical Engineering	
6.	Automotive Engineering	
7.	Aerospace Engineering	

- b. Eligibility for Indian students seeking admission under University quota

A minimum of 45% in Physics, Mathematics and Chemistry/Bio Technology/ Biology/ Electronics / Computer science at 10+2 level is required for admission under University quota.

- c. Eligibility for foreign students seeking admission under University quota
 - i. Foreign students should have 10+2 equivalent qualification approved by Association of Indian Universities
 - ii. Should have proof of proficiency in English.

U.5.3 Selection of Students

Selection of students for admission under Government of Karnataka will be based on Karnataka Government notified admission tests like CET.

Selection of students for admission to University quota of seats is based on admission policy of the University notified from time to time.

Selection of foreign students for admission to University quota of seats is based on the admission policy of the University notified from time to time.

U.5.4 Admission to Programme

The selected candidates shall complete the admission procedure within the specified date by paying the prescribed fees and completing all other admission formalities notified by the University. Failure to do so may lead to cancellation of the selection.

U.5.5 Annual Programme Fee

Details of the fees payable for each Programme will be notified well in advance to the commencement of the Programme.

The fees, once paid, will not be refunded under any circumstances.

The continuation of a student's registration in subsequent academic years is subject to payment of the prescribed programme and registration fees for each of those years as well as the promotion to higher semesters as per the promotion criteria.

U.5.6 Free-ships and Scholarships

The Board of Management, in consultation with the Board of Governors, may consider offering free-ships / scholarships to deserving students who maintain a minimum level of academic performance on a yearly basis.

U.6 Credits

U.6.1 Credit Definition

- For theory classes: 1 credit is equivalent to 15 contact hours.
- For laboratory / field work / workshops / project work and allied activities: 1 credit is equivalent to 30 contact hours.

U.6.2 Typical Credit Structure

A typical Credit Structure for programme work is given in Table-3.

Table -3: Credit Structure					
Lectures (L)	Tutorials (T)	Practical (P)	Credits (L:T:P)	Total Credits	Total Contact Hours
4	2	0	4:1:0	5	6
3	2	0	3:1:0	4	5
3	0	2	3:0:1	4	5
2	2	2	2:1:1	4	6
0	0	6	0:0:3	3	6
4	0	0	4:0:0	4	4
2	0	0	2:0:0	2	2

U.6.3 Credit Requirements

- The total number of credits required to be earned by a regular student to qualify for award of the B. Tech. Degree is shown in Table-4:

Table – 4: B. Tech. Programme Credit Requirements			
Programme	Normal duration		Total number of credits to be earned
	Years	Semester	
B. Tech.	4	8	200

II. Lateral Entry Students:

Students admitted under the lateral entry scheme (Diploma / B.Sc.) are required to undergo all the programme work required of regular students admitted to the programme and successfully complete the credits specified in Table-5.

The credits of the core courses indicated in the Table-5 are not considered for promotion or re-registration credit limits.

Table – 5: Credit Requirements for lateral entry scheme						
Entry Qualifications	Normal duration		Total number of credits to be earned	Additional Courses to be completed		
	Years	Semester		Code	Course	Credits
Technical Diploma	3	6	163 (includes credits of additional courses)			
				18BSC209A	Additional Mathematics - 1	3
				18BSC210A	Additional Mathematics - 2	3
				18HST101A	Elements of Social Sciences and Ethics	2
				18HST102A	Professional Communication	2
B.Sc.	3	6	164 (includes credits of additional courses)			
				18ESC103A	Engineering Drawing	3
				18ESC106A	Engineering Mechanics and Construction Materials	4
				18HST101A	Elements of Social Sciences and Ethics	2
				18HST102A	Professional Communication	2
(These credits will be shown in Sem 1 and Sem 2 in the final grade card)						

III. Registration of Courses during a semester

Each academic year is divided into two Regular Semesters, Semester 1 and Semester 2, of 20 week duration each and a Summer Semester of 10 week duration.

A regular student is normally required to earn a total of 200 credits over 8 regular semesters spread over 4 years and averaging 25 credits in each semester such that the contact hours are around 35 hours per week. The credits to be earned by Lateral Entry students are around 150 plus such other credits required to be earned as prescribed at the time of admission.

The prescribed maximum and minimum number of credits for each semester is available in the **Programme Specifications** document. A student has the option of registering either for the specified number of credits in each semester or a minimum number of credits.

IV. Withdrawal in a Semester

Registered students may, with the prior approval of the Proctor and within the first 5 weeks of the Semester, withdraw one or more courses in that Semester, provided that he/she is registered for the stipulated, minimum number of credits.

V. Summer Semester

A Summer Semester is half the duration of a Regular Semester and a student can register for a maximum of 18 credits. These 18 credits do not include the credits of Ability Enhancement Compulsory Courses.

Students who have not met the attendance and CE requirements in certain courses during the Regular Semester(s) can register for a Summer Semester to make up for the credit deficiency.

Students who had not registered for the prescribed number of credits in the Regular Semester(s) can also register in a Summer Semester to make up the shortfall in credits.

All students registering for courses during a Summer Semester are required to pay the prescribed fees in addition to the annual fees.

U.7 Curriculum

The curriculum includes the following:

1. **Programme Specifications** document where the programme aims, objectives, learning outcomes and the detailed programme structure are described;
2. **Course Specifications** document which contains the course title, learning outcomes, syllabus, teaching and learning methods and the assessment methodology for each of the courses.

U.7.1 Development of Programme Curriculum

The Dean of the Faculty is required to establish a Board of Studies in a Department that proposes to offer B. Tech., degree programme. The Board of Studies (BoS) comprises a team of faculty members under the Chairmanship of a faculty member. The Chair and the members of BoS are nominated by the Dean of the Faculty. The BoS is responsible for formulating the curriculum of various courses for each B. Tech., degree programme offered by that department. The BoS is also required to seek and obtain the opinion of external academic and industry experts on the curriculum so formulated. The curriculum is then presented to the Academic Council for its approval before the programme is offered by the University.

The curriculum for every programme is reviewed by the BoS once in every 4 years i.e. after one complete delivery cycle, and approval of the Academic Council is sought again. The BoS is also required to review the course notes prepared by the members of the Faculty for every course, in every Programme, before delivering the course. A member of the Faculty who formulates the curriculum of a course, delivers and assesses students undergoing that course is known as “**Course**

Leader”.

U.7.2 Curriculum Framework

The typical curriculum framework for the Programme is given in Table-6.

Table-6: Curriculum Framework		
Sl. No.	Course area	Approximate no. of credits
1	Basic Science Core courses	25
2	Engineering Science courses	26
3	Humanities & Social Science courses	06
4	Professional Core courses	89
5	Professional Elective courses	16
6	Major Project / Seminar, etc.	21
7	Open Electives	12
8	Mandatory Learning courses	05
	Total	200

U.7.3 Minor Programme

A Minor Programme is an additional programme of study of choice pursued along with main degree programme that can be registered by a candidate with the University. University offers a Minor Programme to meet the aspirations level of high performing students.

Programme Structure:

A Minor Programme is a 24 credit programme in a specific subject area offered during summer semesters over a period of 3 years (Table-7). It is expected that a candidate who has opted for a Minor programme need to complete 8 credits in each summer semester.

Table-7: Minor Programme Structure			
S. No.	Summer Semester	Credits X No. of Courses	Total Credits / Year
1	2 nd Year	4 X 2	8
2	3 rd Year	4 X 2	8
3	4 th Year	4 X 2	8
	Total		24

Eligibility:

A student is eligible to register only if he or she does not have any backlogs of the main degree programme.

Registration:

Those students who have successfully earned defined number of credits for first to fourth semester can register for the Minor Programme. Eligible student should register to Minor Programme by submitting prescribed application form to admission section of the Faculty and pay prescribed fee.

Progression in Minor Programmes is subjected to earning credits in the semesters of the main

degree. Any failure in the prescribed courses of the main degree will be deterrent for further progression in minor.

Certification:

The minor programme completed by a candidate will be mentioned in the Degree Certificate awarded for successful completion of the main degree programme, the candidate had registered for. Successfully completing a Minor should not be mistaken for an additional degree, it is just an additional qualification and a grade card will be issued to this effect with Minor Programme of Study mentioned in the Degree Certificate. A Minor Programme needs to be completed before the award of main degree registered for, since it is required to be mentioned in the degree certificate. If the minor programme is not completed before the award of the main degree, only a grade card will be issued and no mention of Minor programme will be made in the degree certificate.

For more details, please refer to 'Programme Specification- Minor Programme' on website.

U.8 Programme Delivery

The courses under each programme are delivered in accordance with the time table provided at the beginning of the semester. The delivery of a theory course may include but is not limited to:

1. Face-to-Face Lectures using Audio-Visuals
2. Workshops
3. Demonstrations
4. Guest Lectures
5. Industry Visit

Typically, a laboratory practice session is scheduled based on the number of credits it carries. Normally one credit over the semester is equal to 30 hours. Laboratory work is normally delivered through a combination of instructions and demonstrations and is followed by student work.

Students are also required to carry out project work/s which forms part of the curriculum.

U.8.1 Attendance Requirement

- Considering the programme work load, students are advised to attend all classes conducted during a semester. The mandatory minimum attendance is 80% of the classes in each of the courses in a given semester. The student will not be allowed to appear for SEE if the attendance requirement is not met with.
- However, a shortfall in attendance, up to a maximum of 10%, may be condoned by the Dean of the relevant Faculty under special circumstances like medical emergencies, participation in sports, cultural activities, seminars, workshops and paper presentation etc. at the state, national or international level representing the University and with the prior permission of the concerned HOD and intimation to his/her Proctor.

- The basis for calculation of attendance shall be the period prescribed by the University in its annual calendar of events.
- For first semester students attendance is computed from the date of registration to the programme.
- If a student does not fulfill the attendance requirements in any course he/she is not permitted to attend the Semester End Examination (SEE) in that course and is deemed to have failed that course (RR). The student is required to Re-register to the course.

U.9 Assessment

U.9.1 Achievement Testing

During each semester, students' performance is assessed through Continuous Evaluation (CE) and a Semester End Examination (SEE). Both CE and SEE carry equal weight.

1. Continuous Evaluation (CE):

This includes term tests, assignments, viva-voce, quiz, seminars, mini projects and other such evaluation methods designed for specific courses and conducted as per the norms of the University for Assessment.

2. Semester End Examination (SEE):

This includes a written / laboratory examination conducted as per the norms of the University for Assessment.

3. Students appearing for **Summer Semester** courses are assessed through CE and SEE, however CE component will be assessed through one assignment and one term test as the duration of the Summer Semester happens to be half the regular semester.

U.9.2 Examiners

The Faculty Dean constitutes a **Board of Examiners (BoE)** for the purpose of assessment of students' performance. The BoE, comprising Internal and External examiners, is headed by a Chairman. Normally, the Head of the Department offering the programme is the Chairman of BoE or any Professor of the Department nominated by the Dean. The Board of Examiners (BoE) is responsible for:

- Setting and review of CE / SEE question papers and evaluation of answer scripts
- Setting and review of Assignments and evaluation
- Laboratory/Workshop/Studio/Project/Internship assessment
- Supervision of Written Examinations and Conducting Laboratory Examinations

U.9.2.1 Internal Examiner

The course leader is responsible for the setting of question papers for both CE and SEE, supervision of the examinations and valuation of the answer scripts, as described in the Programme Specifications as well as Course Specifications. The course leader becomes the internal examiner for that course. The question papers and assignments, set for each course, are reviewed and approved by the BoE and Quality Team.

U.9.2.2 Second Examiner

All the answer scripts are moderated by a second examiner (as per the details available in Programme Operations Manual).

U.9.2.3 External Examiner

It is mandatory to have at least 1 examiner per programme, per semester who is external to the University i.e. an External examiner. The External examiner is required to review at least 10% of the evaluated answer scripts of all the courses offered in a semester to confirm adherence to the prescribed academic standards. External examiners also act as members of SAB and PAB. An External examiner will have a tenure of 2 years which can be renewed for a further period of 2 years.

U.9.2.4 Marking System

The University follows the absolute marking system and grades are awarded based on the marks.

U.9.2.5 Rounding Off Policy

The rounding off policy is as below:

1. The values of attendance percentage, Component-1 and Component-2 marks are to be 'rounded up' to the next integers.
2. The SGPA and CGPA values are to be 'rounded off' up to two decimal places.

U.9.3 Pass Criterion and Earning of Credits**U.9.3.1 Pass Criterion**

A student is required to score a minimum of 40% marks in each course, as prescribed in the respective course specification document.

U.9.3.2 Earning of Credits

A student shall be considered to have successfully completed a course and earned the credit(s) if he/she has passed the course. The grades used are listed in the Section U.9.7.1.

U.9.4 Credits not earned in a Course and Opportunities for Make-up

A student will be declared as Re-Sit ('RS') or Re-Registration ('RR') grade in a course and indicated as 'RS' or 'RR' in the Transcript under the following circumstances:

1. Satisfied attendance and CE requirements but not scoring a minimum of 40% marks in SEE: 'RS'
2. Satisfied attendance and CE requirements but absent for SEE: 'RS'
3. Not satisfied the attendance requirement and has met CE requirements: 'RR'
4. Satisfied the attendance requirement but not scoring a minimum of 40 % marks in CE: 'RR'

For AECC:

1. Not satisfied the attendance requirement: 'RR'
2. Satisfied attendance requirement but remained absent for SEE: 'RS'
3. Satisfied attendance requirement and scoring less than 40% marks in CE and SEE together: 'RS'

Academic Misconduct:

In addition to the above, the 'RS' grade is awarded for a student when the student is involved in misconduct or unfair means in the theory or laboratory examinations.

In such cases, award of 'RS' is taken up as an immediate action. Further, the case may be referred to the Disciplinary Committee depending upon the seriousness of the offence for further decision.

Students are given the following opportunities for converting a 'RS' or 'RR' grades into earned credits and corresponding grades:

1. Students in 'RS' category shall appear for the SEE alone in the next opportunity where that course is offered (regular or summer semester).
2. Students in 'RR' category shall register for the course during any future offerings (regular or summer semester) and satisfy the attendance, CE and SEE requirements for earning the credits a course.
3. If a student re-registers for any course, the earlier marks in that course will be treated as null and void.

Note: Students registering for Re-sit or Re-Registration will have to do so by paying prescribed fees and submitting an application to E&A section. The limit on number of credits for 'RR' is as per the norms of the University.

If a student fails to convert the 'RS' or 'RR' to 'P' grade or above and earn the credits within the opportunities available, 'F' grade will be awarded.

U.9.5 Promotion Criterion

1. A student is permitted to carry-over all the courses from a given regular, odd semester to the next regular even semester.
2. A student can be promoted to the next academic year with a maximum of 16 credits of backlog from previous academic year. The 16 credits exclude credits of "AECC".
3. A student will be promoted to the 3rd year provided the student has passed all core courses of the 1st year of study.
4. A student will be promoted to the 4th year provided the student has passed all core courses of the 2nd year of study.

Ability Enhancement Compulsory Courses (AECC):

List of courses as mentioned in Table-8 are required to be successfully completed by earning credits for award of the Degree. However, these courses will not be considered for calculation of class or CGPA and the credits of these courses will not be taken into account for promotion from one year to another year.

Table-8: Ability Enhancement Compulsory Courses			
Sl. No	Course Code	Course Title	Credits
1	18HST101A	Elements of Social Sciences and Ethics	2
2	18HST102A	Professional Communication	2
3	18HST201A	Constitution, Human Rights and Law	2
4	18CEN201A	Environmental Studies	2
Total Credits			08

The above courses need to be successfully completed and credits earned:

1. While pursuing a given semester during which the course appears in the list of courses offered during the semester
2. Register during a Summer Semester
3. Re-Sit for Examination with other batches or during Summer Semester provided attendance criterion is met.
4. In the above courses, a student is required to score a minimum of 40% for pass combining the marks of Continuous Evaluation (Term Tests and Assignments) and Semester End Examination (SEE).

U.9.6 Programme Quality Monitoring

U.9.6.1 Staff Student Consultative Committee

The Staff-Student Consultative Committee looks into the quality of the programme delivered by each Faculty. The committee comprises the Dean, Academic Registrar (Faculty), Administrative Registrar (Faculty), HODs, Class Representatives and other member(s) invited by the Dean. Committee meetings are scheduled during the middle of each semester.

During the committee meetings the following issues are discussed and suitable action plans are initiated:

- a. Student Academic issues
 - I. Curriculum
 - II. Programme Delivery
 - III. Test and Assignment and their Assessment
- b. Student Teaching and Learning Support
 - I. Programme Operations
 - II. Library
 - III. ICT
 - IV. Laboratories and Workshops
- c. Student Amenities
 - I. Hostel & Cafeteria
 - II. Sports & Recreation
- d. Any other matter with the permission of the Chair

U.9.6.2 Subject Assessment Board (SAB)

SAB meetings are normally chaired by the Dean of the concerned Faculty. The Heads of Departments, Internal and External Examiners and an Observer nominated by the Vice Chancellor are the other members of SAB. The SAB meets at the end of each semester to review the assessed work for each course. The Board objectively examines the course delivery, examination and evaluation processes to ensure that academic standards are met, based on the data compiled for the Semester. The most important task is to review the standard of assessment and its comparability across courses. The SAB will confirm course marks after completing its review. Once the marks have been confirmed by SAB the records will be placed before the PAB for approval / ratification.

U.9.6.3 Programme Assessment Board (PAB)

PAB meetings are chaired normally by the Dean of the concerned Faculty. The Heads of Departments, Internal and External Examiners and an Observer nominated by the Vice Chancellor are the other members of PAB. The PAB meets at the end of each semester. The purpose of the PAB is to make decisions on progression and Degree award for all students registered for the named Programme for which the Board is responsible. In reaching a decision on progression or an award, the Board must consider the overall performance of the student. The overall performance of the student is made up of the course marks which have been confirmed by the Subject Assessment Board.

U.9.7 Academic Awards

U.9.7.1 Award of Grades

Students will be awarded Grades based on marks scored. The basis for awarding Grades is shown in Table – 9.

Table –9 : Grade Definition and Grade Points			
Sl. No.	Marks Scored	Grading	GPA Grade Points
1.	90.1 – 100	O (Outstanding)	10
2.	80.1 – 90	A+ (Excellent)	9
3.	70.1 – 80	A (Very Good)	8
4.	60.1 – 70	B+ (Good)	7
5.	55.1 – 60	B (Above Average)	6
6.	50.1 – 55	C (Average)	5
7.	40 – 50	P (Pass)	4
8.	Below 40	F (Fail/Absent)= RS – Re-sit RR – Re-registration	0
'RS' and 'RR' to be considered as 'F' for SGPA and CGPA calculations.			

The SGPA is indicated in the transcript only if all credits prescribed for the semester are earned by the student.

Computation of CGPA:

$$CGPA = \frac{\sum_{i=1}^n (\text{Grade Points scored in a given course} \times \text{Number of credits of that course})}{\text{Total number of registered credits}}$$

(Where, n – total number of core courses registered in a given semester)

Example: Typical SGPA and CGPA calculations (for two semesters)

SGPA and CGPA: Sem-1 (All courses excluding 'Consideration Courses')					
Course	Grade	Grade Point (GP)	Credit	GP * Credit	
C1	A	8	4	32	SGPA = 129/18 = 7.166 = 7.17
C2	B+	7	4	28	
C3	C	5	3	15	
C4	B	6	4	24	
C5	O	10	3	30	
Total			18	129	
Cumulative Credits and Grade Point * Credits			18	129	CGPA = 129/18 = 7.17
SGPA and CGPA: Sem-2 (All courses excluding 'Consideration Courses')					
Course	Grade	Grade Point (GP)	Credit	GP * Credit	
C10	O	10	3	30	SGPA = 97/14 = 6.928 = 6.93
C11	A+	9	3	27	
C12	C	5	4	20	
C13	C	5	4	20	
Total			14	97	
Cumulative Credits and Grade Point * Credits			18 + 14 = 32	129 + 97 = 226	CGPA = 226/32 = 7.0625 = 7.10

U.9.7.2 Announcement of Results

The office of the Academic Registrar (Faculty) will announce the results of the students during a given semester on the Faculty notice board.

U.9.7.3 Re-evaluation of SEE

Students can apply for re-evaluation of SEE answer scripts on paying the fees prescribed within six working days after the announcement of results.

Re-evaluation is not applicable for laboratory examination.

The marks obtained after re-evaluation is the final marks scored by the student in that course in that attempt. Under no circumstances the re-evaluation fees is refunded to the student.

U.9.7.4 Withholding of Results

Students' results may be withheld, if the student:

1. Has been subjected to disciplinary action and a decision is pending;
2. Is in debt to the University;
3. Has failed to meet the academic requirements

All pending results will be announced as soon as the issue in question is resolved to the satisfaction of the University.

U. 9.7.5 Statement of Learning and Achievement (Transcript/Marks card)

Every student will be issued a Statement of Learning and Achievement (Transcript/Marks card) at the end of each semester.

Request for consolidated statement of Learning and Achievement (Transcript/Marks card) of any semester will be issued on request by the students on payment of prescribed fee.

A consolidated Grade Card of all semesters will be issued during the convocation along with the degree certificate.

The Consolidated Marks Card of all semesters will be issued only on request by the students on payment of prescribed fee.

The above documents will bear the signature (facsimile) of the Academic Registrar of the University.

U. 9.7.6 Degree Certificate

The Degree Certificate, issued under the University Seal, will have the student's name, University registration number and name of the degree awarded.

The Degree Certificate will bear the signature (facsimile) of the Vice-Chancellor.

U. 9.7.7 Provisional Degree Certificate

A Provisional Degree Certificate will be issued by the office of Academic Registrar- University, only on request by the students on payment of prescribed fee. The Provisional Degree Certificate will bear the signatures (facsimiles) of the Registrar and Academic Registrar of the University.

U. 9.7.8 Convocation

A Convocation ceremony will be held once every year. Students will be conferred their Degree by the Vice - Chancellor or his / her nominee (normally the Dean of the concerned Faculty) during the convocation ceremony. The degree will be awarded in the presence of the University's Mace.

Graduating students who are unable to attend the convocation, in person, can apply for award of the degree *in absentia* after paying the prescribed fee.

U.10 Other Academic Matters**U.10.1 Credit Framework for Online Courses**

The students can complete up to 12 credits through online education such as Government of India – MHRD On-line platform 'SWAYAM' and an international On-line platform like:

- coursera.org,
- ureddit.com,
- udacity.com, or
- edx.com.

The courses can be from:

1. Professional Elective Group but not limited to the list of Professional Elective Courses specified by the department.
2. Open Elective Group but not limited to the list of Open Elective Courses specified by the University.

Registration:

Students are required to register with the permitted online platform organization of their choice for the courses on approval by the respective HOD.

Assessment:

The registered students are required to undergo assessment specified by the online platform. Further, the students are required to consult the head of the department for completing the assessment process.

U.10.2 Student Transfers / Migration

Students can seek a transfer from one branch to another branch (Change of Branch) of the same Faculty in the University at the beginning of the second year (i.e. third semester) after obtaining the necessary approvals in this regard. Such transfers will be considered as per Section U.10.3.

Migration of students from another Institution/University to the University may be accepted if there are vacancies available in the requested programme and subject to the submission of a **No Objection Certificate** from the Institution/University the student is presently studying in and meeting the programme requirements.

In such matters, the decision of the Academic Equivalence Committee will be final.

Students who would like to migrate to another University/Institution is required to comply with the University norms in this regard.

U.10.3 Change of Branch

The change of branch at the end of 1st year of study for B. Tech. programme is permitted as per the following guidelines:

- a. Vacancy in seats should be available in the branch of study to which the student has requested for transfer ('Vacancy' means the difference in number between approved intake of students and actual number of students eligible for 2nd year after 1st year of study).
- b. The number of students permitted for a change of branch is limited to 5% of the approved intake of students in the branch to which the students were initially admitted.
- c. The change of branch is granted to the students based on their performance in 1st year of study (i.e. two regular semesters in the 1st attempt). The student should have secured at least a 1st class marks in both semesters.
- d. The students interested in change of branch should apply to Academic Registrar of the Faculty in prescribed format as per the notified schedule for that year.
- e. On approval by the University Academic Registrar, the Academic Registrar (Faculty) will announce branch allotment list

- f. Such of those students interested in taking admission in the allotted branch are required to submit an acceptance form to the Faculty Academic Registrar along with an administrative fee of Rs. 5000/- within a week from the date of announcement of allotment list.
- g. Once the transfer is effected, it is irreversible.

U.10.4 University Awards

The University may recognize meritorious performance of students by conferring various awards. These awards will be presented to students during the convocation.

U. 10.5 Donor Awards

For the award of prizes and medals instituted by donors the conditions stipulated by the donors will be considered by the Board of Management.

U. 10.6 Corrections in Statement of Learning and Achievement and Certificates

Students can apply for corrections in any transcript/marks card and degree certificate issued by the University within six months from the date of issue.

U.10.7 Duplicate Transcripts and Degree Certificate

In the event of a student losing the original transcripts or degree certificate, he/she can apply for the issue of re-printed documents. Re-printed transcripts will be issued against payment of the prescribed fee. The reprints will carry the caption "Duplicate".

U.10.8 Termination from the Programme

A student will be required to withdraw from the Programme and leave the University on the following grounds:

1. Failure to earn the required number of credits within the prescribed maximum number of attempts;
2. Absence for two or more semesters, in succession, during any part of the programme without prior approval;
3. Failure to meet the standards of discipline prescribed by the University from time to time;
4. Failure to complete the programme within the prescribed maximum duration permitted by the University's Regulations.

U.10.9 Conduct and Discipline

The provision relating to discipline and code of conduct that applies to every member of the University is as described in Chapter 8 of the MSRUAS Statutes.

U.10.10 Intellectual Property

The provision governing Intellectual Property that is generated by a member of the University is as described in Chapter 9 of the MSRUAS Statutes.

U.11 Amendments to the Academic Regulations

Any other issues not covered in this document will be referred to Academic Council. The decision of the Academic Council in such matters shall be final. These Regulations may be amended from time to time by the Academic Council and approved by Board of Management.



All concerned are strongly urged to ensure their understanding of the Academic Regulations and time to time amendments thereof. Consequences resulting out of failure to read and understand the Academic Regulations shall rest only with the individual concerned.