VINAYAKA MISSION'S RESEARCH FOUNDATION

(Deemed to be University under Section 3 of UGC Act, 1956),SALEM, INDIA

FACULTY OF ENGINEERING AND TECHNOLOGY

REGULATIONS 2021

(FOR THE STUDENTS ADMITTED FROM 2021-22 ONWARDS)

MASTER OF ENGINEERING/ TECHNOLOGY (M.E./M.Tech)

DEGREE PROGRAMME - FULL TIME

REGULATIONS 2021

CONTENTS

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MASTER OF ENGINEERING/ TECHNOLOGY (M.E./M.Tech) DEGREE PROGRAMME - FULL TIME

UNDER
FACULTY OF ENGINEERING AND TECHNOLOGY
REGULATIONS 2021

(FOR THE STUDENTS ADMITTED FROM 2021-22 ONWARDS)

In exercise of the powers conferred by the Revised Memorandum of Association rules of the Vinayaka Mission's Research Foundation, Deemed to be University Salem, the Board of Management of the University hereby issues the following regulations pertaining to the postgraduate Programme and award of the degree of Master of Engineering/Master of Technology (M.E./M.Tech) at this University.

1. TITLE ANDCOMMENCEMENT

These revised regulations shall be called "REGULATIONS FOR MASTER OF ENGINEERING / MASTER OF TECHNOLOGY (M.E./M.Tech) - FULL TIME DEGREE PROGRAMME – (R2021).These revised regulations come into force with effect from the Academic year 2021-2022 and are subject to modifications which may be approved by the apex bodies of the University from time to time.

2. PREAMBLE

The Degree of Master of Engineering / Master of Technology (M.E./M.Tech) in Faculty of Engineering and Technology shall be awarded to a candidate who, as per these regulations, has successfully undergone the programme, passed the prescribed examinations and thereby qualified to receive the degree.

General Considerations and Teaching Approach

The tremendous growth of Science and Technology has made inroads in every sphere of human activity. It has created opportunities, challenges and opened new horizon in the pursuit of knowledge, career and accomplishments. Aspirants are crossing oceans in the pursuit of knowledge

and for successful career. The globalization and subsequent opening of our economy have provided ample opportunities in the quest of knowledge to the students of our Nation. Hence a need has arisen to provide flexible, need based, versatile and learner oriented Education / Knowledge to our students and make them competitive. If the present rigid academic system and the Institution methodologies are continued to be imposed, the learners may not have the choice of courses of their liking and hence will not meet the requirements to strengthen their knowledge in specific areas needed for their career.

The Choice Based Credit System (CBCS) provides ample opportunity for multiple entries, large number of electives, flexible pace for earning credits, carryover of such credits, and choice of courses from other branches. Further it has the ability to accommodate diverse choices that the students may like to have. In view of the above advantages the CBCS has been implemented from the academic year 2012 onwards.

As part of continuous improvement in providing quality education, we have taken the right step in this direction by introducing the Flexible Credit System into our academic curriculum. Through this, the students can register for courses of their choice altering at will, the pace of learning within the broad framework of an academic course and credit requirements, as time progresses.

Students also have the option of choosing from a 'basket of courses' within each classification. Ample options are given to choose interdisciplinary courses from other programs which will help the student develop additional skills. Slow learners will also benefit since important courses are offered in both semesters in any given academic year. This arrangement helps the students to re-register the course and clear the backlog in subsequent semesters. Suitable provisions are included to reward academically sound students, allowing them to carry out research activities.

3. DEFINITIONSANDNOMENCLATURE

In the Regulations, unless the context otherwise requires, certain terms used in the form of abbreviation and their meanings are as under.

3.1	AC	Academic Council, the highest academic body of the University, headed by the Vice Chancellor.
3.2	AB	Absent
3.3	AICTE	All India Council for Technical Education, New Delhi.
3.4	BE / B.Tech.	Bachelor of Engineering/Technology

3.5	BoM	Board of the Management- the highest governing body of the University.
3.6	BoS	Board of Studies of the University under the Faculty of Engineering and Technology.
3.7	Specialization	Discipline of BE/B.Tech. Degree Programme, such as Mechanical Engineering, Civil Engineering, Electronics and Communication Engineering etc.
3.8	CBCS	Choice Based Credit System
3.9	CO	Course Outcomes
3.10	CoE	Controller of Examinations of the University.
3.11	Course	Subject of study offered by various departments.
3.12	Credit	Course work measured in units, based on hours conducted/week and content of course. 01 hour lecture/tutorial and 02 hour practical per week is equivalent to 01 credit.
3.13	Curriculum and Syllabus	Courses studied in each Programme that provides appropriate knowledge in the chosen branch. The curriculum and syllabus for study is as prescribed by the Board of Studies (BoS) with the approval of the concerned Academic Council (AC) based on the UGC / AICTE regulations.
3.14	Dean	Dean for the Faculty of Engineering and Technology of the University.
3.15	EA	External Assessment
3.16	HoD	Head of the Department of the Institution.
3.17	HoI	Head of the Institution or Principal of the Constituent Engineering College of the University.
3.18	Institution	Constituent Engineering College of the University.
3.19	IA	Internal Assessment
3.20	MoE	Ministry of Education.
3.21	MOOCs	Massive Open Online Courses
3.22	NCC	National Cadet Corps
3.23	NPTEL	National Programme on Technology Enhanced Learning
3.24	NSS	National Service Scheme
3.25	OBE	Outcome Based Education
3.26	PO	Programme Outcomes

3.27	Programme	Under Graduate Programme leading to the award of Degree BE/B.Tech. approved by UGC, AICTE and University.
3.28	PSO	Programme Specific Outcomes
3.29	RRC	Red Ribbon Club of the Institution.
3.30	RA	Reappear
3.31	SWAYAM	Study Webs of Active Learning for Young Aspiring Minds is a programme of the MHRD, Government of India.
3.32	Teacher	Professors, Associate Professors, Assistant Professors, Pro-term Lecturers and other persons engaged in teaching of the students and assisting the students in the conduct of studies and Research in the College/University.
3.33	UGC	University Grants Commission.
3.34	VMRF	Vinayaka Mission's Research Foundation, Deemed to be University, Salem, Tamil Nadu, India.
3.35	VC	Vice - Chancellor of the University.
3.36	YRC	Youth Red Cross of the Institution.

4. REGISTRATION

A candidate admitted in the Post Graduate Programme in the constituent Engineering Colleges of the University shall register with the University by remitting the prescribed fees along with the application form for registration dully filled in and forwarded to the Controller of Examinations of this University through the Head of the Institutions within the stipulated date. The name of the candidate must be registered in the University within three months from the date of admission. If the candidate fails to satisfy the requirements, the admission of the candidate stands cancelled.

5. ELIGIBILITY FOR ADMISSIONS

The eligible entry qualifications as approved by the University.

6. PROGRAMMES OFFERED BY THEUNIVERSITY

A candidate may be offered one of the branches of study from those approved by the University and as specified in Annexure I.

7. MODES OF STUDY:

Candidates admitted under 'Full-Time' should be available in the University departments during the entire duration of working hours (From Morning to Evening on Full-Time basis) for the curricular, co-curricular and extra-curricular activities. The Full-time candidates should not attend any other Full- time programme(s)/course(s) or take up any Full-Time job / Part- Time job in any Institution or company during the period of Full- Time programme. Violation of the above rules will result in cancellation of admission to the PG programme.

8. ADMISSION

Candidates who have been awarded or qualified for the award of the Bachelor's degree in Engineering / Technology, from an Institution approved by AICTE are eligible for admission to the M.E/M. Tech., Programme. Eligibility of candidates will be decided from time to time by following the guidelines issued by All India Council for Technical Education (AICTE). Sponsored candidates from Industries, R&D organizations, National Laboratories as well as Educational Institutions, with a Bachelor's degree in engineering are eligible for admission to the M.E/M. Tech. programme.

The number of candidates to be admitted to each M.E/ M. Tech stream will be based on approval received from the All India Council for Technical Education. Admission will be complete only on meeting all the other requirements mentioned in the letter of admission and on payment of the fees. Candidates who have the Associate Membership of Professional Bodies that are approved by the University and have qualified in GATE shall also be eligible for admission to the M.E/M. Tech. programme. Non Resident / Foreign Nationals can be admitted upto 15% of total seats as per norms and guidelines of the University.

9. DURATION OF THE PROGRAMME

The normal duration of the M.E/M. Tech programme, including the project work, shall be four semesters.

10. EXTENSION OF MAXIMUM DURATION

The candidates who fail to complete the year-wise programme as mentioned in clause 9 would be permitted to complete the programme within a period of 4 years (8 semesters) for Full time candidates. Those who fail to complete within the extended period shall be discharged from the course.

11. COMMENCEMENT OF THE COURSE

The academic year for the programme shall commence in the month of July every year except first year. The first year classes shall commence in the month of September or as decided by the regulatory bodies and the University.

12. WORKING DAYS IN AN ACADEMIC YEAR

Each semester normally consists of **90 working days or 450 hours** inclusive of end semester theory & practical examinations and 75 teaching days.

13. MIGRATION

Migration of students from one Engineering college/University to another Engineering college/University may be granted on any genuine ground subject to the availability of vacancy in the college where migration is sought and fulfilling the other requirements laid down in the AICTE Regulations. The applicant candidate shall be eligible to apply for migration only after qualifying in the end of second semester M.E./M.Tech examination.

The provision of combination of attendance shall be granted to a transferee for admission to the Examinations of this University on satisfactory fulfillment of the regulations of the University. All Migrations / Transfer are subject to the approval of the Academic Council based on the recommendation of the Vice-Chancellor.

14. BREAK OF STUDY

Two semesters or One Year break of study may be allowed in the entire duration of the course for genuine reasons beyond the control of the student like natural calamity, serious health problems etc. For a maximum continuous duration of 2 semester's break of study alone will be admissible. If a student is declared not eligible for appearing in examination for lack of minimum attendance percentage or due to any misconduct, the period spent in that semester will not be considered as Break of Study. Details about Break of study will be intimated to the CoE office before the registration for end semester examination through HoI.

During the break of study a student:

a. Cannot attend any regular classes.

b. Will not be permitted to stay in the Hostel.

c. Will not be permitted to participate in any of the Institution's activities inside the campus.

d. Can reappear for the 'End Semester Final Examination' for courses in which he/she might have obtained 'U'grade.

15. REJOINING / DISCONTINUING AFTER THE BREAK

A student who undergoes a break in studies in the current semester (odd/even) can get readmitted only in the subsequent corresponding (odd/even) semester in the next academic year only. The Candidate who rejoins after the break shall be governed by the rules and regulations in force at the time of rejoining. The Vice – Chancellor is vested with the power to permit the break or discontinuation and rejoining the course for which the candidate must apply in the prescribed form duly recommended by HoD and HoI with mapping of the courses already passed before discontinuation and to be passed in the forthcoming semesters along with necessary supporting documents.

16. READMISSION AFTER EXTENSION

If the candidates name is not registered with the University within three months from the cutoff date prescribed for the respective courses for admission without any valid reasons / ground for such non-registration, permission for re-admission for such candidates will not be issued by the University.

17. PROGRAMME STRUCTURE

Curriculum

The curriculum and the syllabus for the course pertaining to the M.E./M.Tech Programme shall be prescribed by the Academic Council based on the recommendation of concern Board of faculty and Board of Studies.

The M.E/M.Tech programme in all streams of specialization will be structured on a credit based system following the semester pattern with continuous evaluation. Every stream of specialisation in the M.E/M. Tech. programme will have a curriculum and syllabi for the courses. The curriculum should be so drawn up that the number of credits for successful completion of the M.E/M. Tech. programme in any stream of specialization is 75.All subjects/courses are to be registered by the student in a semester to earn credits which shall be assigned to each subject/course in an L: T: P: C (Lecture Periods: Tutorial Periods: Practical Periods: Credits) structure based on the following general pattern:

Definition of Credit:

1 Hour Lecture (L) per week	1 credit
1 Hour Tutorial (T) per week	1 credit
2 Hours Practical (Lab) per week	1 credit

Other student activities like study tour, guest lecture, conference/workshop participations, technical paper presentations, and identified mandatory courses, if any, will not carry credits.

STRUCTURE OF POSTGRADUATE ENGINEERING PROGRAM – REGULAR STUDENTS

S.No	Category of courses	Type of courses	Suggested break up of credits
1.	A. Foundation courses	Mathematics/Applied Mathematics	3
		Research Methodology and IPR	2
2.	B. Program core courses	Core courses	32
3.	C. Elective courses	Program electives	15
		Open electives(Courses on emerging areas..)	03
4.	D. Employability Enhancement Courses and courses for presentation of Technical skills related to the specialization	Project work phase I	6
		Project work phase II	12
		Internship/Industrial training	1
		Research paper writing technical Seminar	1
5.	E. Audit courses	Any two courses on: 1. English for Research Paper Writing 2. Disaster Management 3. Value Education 4. Constitution of India 5. Pedagogy Studies 6. Personality Development Through Life Enlighten Skills	Zero credit
Total credits to be earned for the award of M.E /M.Tech degree			**75**

Components of Curriculum

17.1 Category A - Foundation Courses (FC)

The courses in this category belong to Mathematics and research. The credits earned in this category will be used for overall CGPA calculation.

17.2 Category B – Professional Core Courses

The courses related to the programme are called core courses and the same has to be selected by the students in every semester in consultation and guidance of their mentor / faculty advisor. A student may opt for core courses offered through MOOCs (Massive Open Online Courses), SWAYAM, NPTEL etc. and the credits earned after successful completion of the courses will be recommended by HoI for transfer of credits and endorsement in marks statement. The credits earned in this category will be used for overall CGPA calculation.

17.3 Category C - Elective Courses (EC)

17.3.1 Professional Elective courses relevant to chosen specialization

Programme specific professional electives are courses which are not offered under professional core courses. These courses may not have any prerequisites and can be chosen as and when required by the students. A student may opt for programme specific professional elective courses offered through MOOCs (Massive Open Online Courses), SWAYAM, NPTEL etc. and the credits earned after successful completion of the courses will be recommended by HoI for transfer of credits and endorsement in marks statement. The credits earned in this category will be used for overall CGPA calculation.

17.3.2 Open Electives

Courses on Emerging Areas

The courses offered in this category include courses on emerging areas which are multi-disciplinary in nature like 3D Printing, Artificial Intelligence, Internet of Things etc. These courses do not have any prerequisite condition and can be chosen as and when desired by the students. A student may opt for open elective courses offered through MOOCs (Massive Open Online Courses), SWAYAM, NPTEL etc. and the credits earned after successful completion of the courses will be recommended by HoI for credit transfer and endorsement in marks statement. The credits earned in this category will be used for overall CGPA calculation.

17.4 Category D – Employability Enhancement Courses and courses for presentation of Technical skills related to the specialization

17.4.1 Project Work

The student must represent his earned knowledge in the engineering programme by doing a quality project in his/her last semester of the programme of study. The project work for M.E./M.Tech. consists of Phase-I and Phase-II. The phase - I is to be undertaken during III semester and Phase-II, which is a continuation of Phase-I is to be undertaken during IV semester. This project work should be done under the regular guidance of faculty supervisor. In case of an industry sponsored project, a co-supervisor from the industry will also be involved and there should be a regular interaction between the student and supervisor and the proceedings should be recorded periodically. Once in a month the student must report to the faculty supervisor with attendance report from co-supervisor and present progress and latest status of his/her project with the help of a Power Point presentation in presence of HoD. The progress and presentations in the semesters will be used for internal evaluation and giving internal assessment marks and end semester examination will be used for external assessment marks. The credits earned in this category will be used for overall CGPA calculation.

17.4.2 Technical Seminar

In order to develop research aptitude, the student may also be encouraged to read and understand research papers published in indexed journals, patents applied etc. and present in front of a committee constituted by HoD for evaluation and assessment. Besides this, the student should also be encouraged to publish technical papers in national as well as in international conferences and in indexed journals. Record of presentations should be maintained by the faculty in-charge. In a semester, minimum 03 presentations have to be organized and internal assessment marks will be awarded on the basis of performance in best 02 (two) of the 03 (three) presentations and external assessment marks will be awarded on the basis of performance in final 4th presentation to be done during end semester practical examinations. The credits earned in this category will be used for overall CGPA calculation.

17.4.3 Internship in Industry

In order to equip students with necessary hands on skills along with theoretical knowledge and to provide sufficient exposure in real time applications, it is mandatory for every student to undergo internship / industrial training in any industry/ organization. Minimum three weeks of Internship / Industrial training / Industrial engagement will be

considered as eligible for awarding credits in this category. Students should submit the offer letter received from the Industry/Organization providing Internship, along with self declaration, to the Principal for approval through proper channel in the prescribed proforma.. If the student feels that the Internship work is not meeting the standards/not related to their field of interest, then he/she should submit the application to the department within 5 days from the date of joining and can re-join the Institute.

The Internship may be cancelled / discontinued at any time if the performance of the intern is not found satisfactory or the intern is The Industry offering Internship will have to be verified by the Institution's Placement and Training cell. This shall be submitted at least one month prior to the commencement of the respective semester, in which he/she is proceeding for Internship. The candidate should also submit a synopsis of the proposed work to be done during the Internship programme. While doing Internship, the candidate should secure a minimum 90% attendance. Industry/Educational Organization shall submit the attendance report of the students to the head of the respective department.After completion of Internship, students are required to submit the report of work done along with the certificate of completion. The Department Internship coordinator shall verify the eligibility conditions, attendance records; academic records, progress reports, Internship certificate and stipend proof of such students undergoing Internship(if applicable) and submit to authorities concerned for further processing absent without the authorization of the Internship supervisor / College. The credits earned in this category will be used for overall CGPA calculation. HoD on recommendation of the committee constituted for evaluation will be submitting the evaluation scores to the COE office through the HoI. The final semester project in industry / research organization will not be considered as industrial training / internship for earning credits in this category.

17.5 Category E – Mandatory Zero Credit Courses

The courses under this category do not have any credit and will not be included for CGPA calculations. Courses like English for Research Paper Writing; Disaster Management ;Value Education ;Constitution of India; Pedagogy Studies; Personality Development Through Life Enlighten Skills,etc., are included under this. The student should complete a minimum of two courses under this category.

18. Medium of Instruction

The medium of instruction for lectures, examinations and project work is English, except for language courses other than English.

19. COURSE REGISTRATION IN A SEMESTER

19.1 The students will register courses to be studied in a semester (Even/Odd) in their department in first week of commencement of semester or whenever it is asked for. The selection of courses should satisfy the minimum credit requirement for each category of courses. This may also be discussed during first class committee meeting in presence of Mentor and allotted Mentee. Faculty advisor of the class may also assist in planning and selection of the courses for registration in the semester.

19.2 In a semester, a student can register new courses for minimum 12 credits and maximum 25 credits for regular as well as online classes (in case of blended mode of learning).Registration of courses will not include courses registered in NPTEL/ SWAYAM.

The criteria for registration of courses for minimum 12 credits will not be applicable for those students who are having less than 12 credits to be earned for awarding of degree. In such cases, the students will be allowed to register for the remaining courses for less than 12 credits. The limit of Maximum 25 credits will not include courses of reappearance i.e. courses could not be completed successfully in previous semesters. The students can register any number of courses for reappearance.

20. EXAMINATION

20.1 Commencement of Examinations

The University Examinations will be conducted twice in an academic year. The CoE would notify the dates of examinations to the candidates. The examination shall be commences in the month of November/December and April/May in every academic year.

20.2 Requirements for Admission to Examinations

The student maintaining minimum 75% attendance percentage in each course will only be eligible for appearing in internal as well as external assessment tests/examinations. In exceptional emergency cases, HoI may permit the students with attendance percentage 65% and above but below 75% to appear in the tests/examinations with condonation fee as decided by the fee fixation committee of the university.

21. ASSESSMENT

21.1 Learning Assessment Procedure

All assessments are designed based on Revised Bloom's Taxonomy levels of thinking and learning. The learning of a student is assessed and evaluated twice in an academic year at the end of odd /even semester respectively, and shall have learning assessments from the following perspectives with respect to all courses:

(a) Evaluation with respect to knowledge.

(b) Evaluation with respect to Understanding.

(c) Evaluation with respect to skill.

(d) Evaluation with respect to Applications.

(e) Higher Order Thinking Skills Registration for end-semester final examination for all courses enrolled in that semester is mandatory.

The student's learning in each course, in general, is assessed (formative) and evaluated (summative) based on in-semester continuous learning assessment (Internal assessment) and end-semester final examination.

21.2 Internal Assessment(IA)

60% weightage of the total marks will be used for internal assessment of the students by the faculty in charge / Course handler in theory as well as practical courses. An in-semester continuous learning assessment (also known as internal assessment test) is spread through the duration of course and is done by the faculty member facilitating the course. The internal assessment marks will be calculated based on the following guidelines.

S. No.	Description	Marks
01	Internal Assessment Test -01&02 and Model exam(10 marks each)	30
02	Seminar/Technical Quiz	20
03	Assignment/Project	10
Total Marks		**60**

21.3 External Assessment (EA)

40% weightage of the total marks will be used for external assessment of the students and it will be mandatory for the student to appear in the exam. The examination may be conducted Online/Offline depending on the prevailing situation.

21.4 Eligibility for End semester Examinations

The student maintaining minimum 75% attendance percentage in each course will only be eligible for appearing in end semester examinations. If a student does not have a minimum of 75 % attendance in at least 3 or more courses in the previous semester, he will not be allowed to enroll for current semester and has to undergo a year of break in studies. In exceptional emergency cases, HoI may permit the students with attendance percentage 65% and above but below 75% to appear in the tests/examinations with condonation fee as decided by the fee fixation committee of the university. Those students who have not deemed to have completed the semester due to lack of attendance, shall repeat that semester in the next academic year by following the readmission/rejoin procedure.

22. PASSING REQUIREMENTS – THEORY AND PRACTICAL COURSES

A candidate securing not less than 50% of total marks (Internal Assessment (IA) +External Assessment (EA)) prescribed for the course in both theory and practical courses will be declared to have passed the Examination. A minimum a 40% need to be scored in both IA and EA for passing.

For lab embedded theory courses, student should compulsorily appear for both theory and practical Examination. He / She has to secure a minimum of 40% in both IA and EA and a total of 50 % (IA+EA) in theory and practical individually to pass in the lab embedded theory courses, failing which he/she needs to reappear for the entire course (both Theory and Practical).

23. ELIGIBILITY FOR AWARD OF DEGREE

A student shall be declared to be eligible for the award of the M.E / M.Tech Degree if she has

a) Registered and successfully completed the courses and has earned the minimum credit requirements for the respective engineering programme.
b) Successfully acquired the required learning credits as specified in the curriculum corresponding to the branch of his/her study within the stipulated time duration.
c) No disciplinary action is pending against him/her.

24. CLASSIFICATION OF PERFORMANCE

Classification of performance of students in the examinations pertaining to the courses in a programme is done on the basis of numerical value of Cumulative Grade Point Average(CGPA).The concept of CGPA is based on Marks, Credits, Grade and Gradepoints assigned.

24.1 Mapping of Marks to Grades

Each course (Theory/Practical) is to be assigned 100 Marks, irrespective of the number of credits, and the mapping of marks to grades may be done as given in the following table.

Assigned Grade	Grade Points(GP)	Range of Marks
O++	10	95-100
O+	9.5	90-94
O	9	85-89
A++	8.5	80-84
A+	8	70-79
A	7	60-69
B+	6	55-59
B	5.5	51-54
C	5	40-50
U	ABSENT(Failure due to nonappearance in examination)	
	REAPPEAR(Failure due to insufficient marks in the course)	

24.2 Semester Grade Point Average (SGPA)

Each student is assigned a Semester Grade Point Average (SGPA) on completion and declaration of result of a semester.

$$\text{SGPA} = \frac{\sum(Ci * Gi)}{\sum Ci}$$

Where C_i is the credit for a course in that semester and G_i is the Grade Point earned by the student for that course. The SGPA is rounded off to two decimal numbers and calculated on all courses appeared including courses in which 'RA' grade is obtained.

24.3 Cumulative Grade Point Average(CGPA)

The overall performance of a student at any stage of the Degree programme is evaluated by the Cumulative Grade Point Average (CGPA) upto that point of time and is calculated on the courses which are successfully completed.

$$\text{CGPA} = \sum_j \left\{ \frac{\sum_i (C_{ij} * G_{ij})}{\sum_i C_{ij}} \right\}$$

25. CLASSIFICATION OF SUCCESSFUL CANDIDATES FOR AWARD OF DEGREE

25.1 First class with Distinction

25.1.1 A student who qualifies for the award of degree and passed the examination in all registered courses in his / her first appearance within two years and securing a CGPA of not less than 8.00 shall be declared to have passed in First class with distinction.

25.1.2 A student who qualifies for the award of degree and passed the examination in all registered courses in his / her first appearance within three years including the authorized Break of Study of one year and securing a CGPA of not less than 8.00 shall be declared to have passed in First class with distinction.

25.2 First Class

24.2.1 A student who qualifies for the award of degree and passed the examination in all registered courses within two years and securing a CGPA of not less than 6.5 shall be declared to have passed in First class.

24.2.2 A student who qualifies for the award of degree and passed the examination in all registered courses within three years including the authorized Break of Study of one year and securing a CGPA of not less than 6.5 shall be declared to have passed in First class.

25.3 Second Class

All other students not covered above and who qualifies for the award of ME / M.Tech. Degree and passed the examination in all the registered courses shall be declared to have passed in Second Class.

26. RANKING

Students obtaining top 3 positions in CGPA ranking in a Programme at the university level will be considered as a rank holder. They should have passed all the prescribed courses in the first appearance and should have obtained a CGPA of 8.0 and above. The student should also have a clean record of discipline during the period of study and without break of studies. Special certificates will be given to rank holders.

27. MODIFICATIONS OF REGULATIONS

These regulations are subject to modifications from time to time as per the decisions of the apex bodies of the University.

ANNEXURE - I

P.G PROGRAMMES OFFERED IN UNIVERSITY (VMKVEC & AVIT)

Sl. No.	**PG Programme Offered**
1.	M.Tech. in Bio-Technology
2.	M.E. in Construction Engineering and Management
3.	M.E.in Computer Science and Engineering
4.	M.E. in Manufacturing Engineering
5.	M.E. in Power SystemsEngineering
6.	M.E.in Embedded Systems and Technologies
7.	M.E.in VLSI design
8.	M.E – Biomedical Engineering
9.	M.E – Industrial safety and Engineering
10.	M.E-Structural Engineering
11.	M.E-Pharmaceutical Biotechnology