VINAYAKA MISSION'S RESEARCH FOUNDATION

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

REGULATIONS 2025

CHOICE BASED CREDIT SYSTEM (CBCS)

(FOR THE STUDENTS ADMITTED FROM 2025 – 26 ONWARDS)

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

DEGREE PROGRAMME - FULL TIME

Under

FACULTY OF ENGINEERING AND TECHNOLOGY

REGULATIONS 2025

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

VISION

To impart knowledge to nurture leaders driven by research, innovation and excellence and to foster a diverse community committed to the well-being of humanity.

MISSION

To empower learners through world-class, multidisciplinary education to become competent individuals who contribute to the society.

QUALITY POLICY

VMRF (DU) commits to: A culture of Excellence through integrity, diversity, and empathy and to empower our community by integrating care, accountability and respect into our core operations.

VMRF (DU) commits to: An inclusive environment of learning, research and innovation by placing strong emphasis on ethical practices, social responsibility and continuous improvement in shaping future leaders who can contribute positively to the society.

MASTER OF ENGINEERING/ TECHNOLOGY

(M.E./M.Tech.) DEGREE PROGRAMME FULL TIME

UNDER
FACULTY OF ENGINEERING AND TECHNOLOGY
REGULATIONS 2025
(FOR THE STUDENTS ADMITTED FROM 2025-26 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 Executive Council 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 AND COMMENCEMENT

These revised regulations shall be called "**REGULATIONS FOR MASTER OF ENGINEERING / MASTER OF TECHNOLOGY (M.E./M.Tech.) - FULL TIME DEGREE PROGRAMME – (R2025)**.These regulations come into force with effect from the Academic year 2025-2026 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 there by qualified to receive the degree.

3.   DEFINITIONS AND NOMENCLATURE

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	B.E / B.Tech.	Bachelor of Engineering/Technology
3.5	EC	Executive Council - 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 M.E/M.Tech. Degree Programme, such as Bio technology, Construction Engineering and Management, Computer Science and 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	M.E. / M.Tech.	Master of Engineering / Master of Technology
3.21	MoE	Ministry of Education.
3.22	MOOCs	Massive Open Online Courses
3.23	NEP 2020	National Education Policy 2020
3.24	NCC	National Cadet Corps
3.25	NPTEL	National Programme on Technology Enhanced Learning
3.26	NSS	National Service Scheme
3.27	OBE	Outcome Based Education
3.28	PO	Programme Outcomes
3.29	Programme	Post Graduate Programme leading to the award of Degree M.E/M.Tech. Approved by UGC, AICTE and University.
3.30	PSO	Programme Specific Outcomes
3.31	RRC	Red Ribbon Club of the Institution.
3.32	RA	Reappear
3.33	SWAYAM	Study Webs of Active Learning for Young Aspiring Minds is a programme of the MHRD, Government of India.
3.34	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.
3.35	UGC	University Grants Commission.
3.36	VMRF	Vinayaka Mission's Research Foundation, Deemed to be University, Salem, Tamil Nadu, India.
3.37	VC	Vice - Chancellor of the University.
3.38	YRC	Youth Red Cross of the Institution.

4. DURATION OF THE PROGRAMME

The normal duration of the M.E./M.Tech. Programme, including the project work, shall be **2 years (4 semesters).**

5.   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 maximum 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.

6.   MEDIUM OF INSTRUCTION

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

7.   FEE STRUCTURE

The fee structure for the programmes shall be fixed by the committee constituted for this purpose by the University from time to time.

8.   ELIGIBILITY FOR ADMISSIONS

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.

9.   PROGRAMMES OFFERED BY THE UNIVERSITY

The programmes offered by the University in the Faculty of Engineering and Technology are subjected to addition or removal depending on the decision taken by the subsequent BoS and further approval of the University.

10. SELECTION OF STUDENTS

Guidelines issued from time to time for selection of students for admission in constituent colleges of the University are followed for admitting eligible students in various Post Graduate Programmes. Applications received are checked for completeness and a merit list based on the marks obtained in qualifying examination is prepared. The students are admitted as per the merit list.

11. REGISTRATION

A candidate admitted in the postgraduate 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 duly filled in and forwarded to the University through the HoI 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.

12. REVOKING / CANCELLATION OF ADMISSION

The students provisionally admitted to any programme shall submit their original mark sheets, provisional certificates, degree certificates, transfer certificate etc., whichever is applicable, of the qualifying examination and any other documents required by the Director of Admission, within the last date specified for the purpose by the university.

The Registrar, on recommendation of the Director of Admission or Dean can cancel the admission of any student who fails to submit the prescribed documents within the specified date or to meet the other stipulated requirement(s). The Registrar may also cancel the admission, at any later time, if it is found that the student had supplied false information or suppressed / misrepresented / forged relevant information while seeking admission or thereafter and report the matter to the Vice Chancellor.

13. MODE OF STUDY

Candidates admitted under 'Full-Time' should be available in the University departments during the entire duration of working hours for the curricular, co-curricular and extra-curricular activities.

14. 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 August or as decided by the regulatory bodies and the University.

15. WORKING DAYS IN A SEMESTER

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

16. MIGRATION

Migration of students from any Engineering college/University to VMRF (DU) 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 subjected to the approval of the Academic Council based on the recommendation of the Vice-Chancellor.

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

18.   DISCONTINUATION / RE-JOINING 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 re-joining 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**.**

19.   EXIT OPTION

The institution intends that all students graduate with a postgraduate degree. However, students who join the 2-year M.E. / M.Tech. degree program can opt for a Postgraduate Diploma at the end of the 1st year after successfully completing the specified number of credits. The students opting for exit option shall submit the application in the prescribed format to the HoD. HoD and HoI shall recommend and forward the application to the Registrar for approval. The detailed guidelines are presented in **Annexure - 1**.

20.   PROGRAMME STRUCTURE

The curriculum and the syllabus for the course pertaining to the M.E./M.Tech Programme shall be approved by the Academic Council based on the recommendation of respective BoS.

The M.E./M.Tech programme in all streams of specialization will be structured on a Choice Based Credit System (CBCS) following the semester pattern with continuous evaluation. Every stream of specialization 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 77. 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:

Each Programme shall have curriculum in accordance with OBE frame work comprising of Theory, Theory cum Practical and Practical courses and syllabus designed as per Blooms' Taxonomy Level for the achievement of POs and PSOs as stated in **Annexure - 2**.

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 PG ENGINEERING PROGRAM – REGULAR STUDENTS

Sl.No.	Category of Courses	Types of Courses		Suggested Breakup of Credits (min-max)
1.	A. Foundation Courses(5)	Mathematics/Applied Mathematics		3
		Research Methodology and IPR		2
2.	B. Professional Core Courses (32)	Core Courses		32
3.	C. Elective Courses (19)	Professional electives		15
		Open Elective	Interdepartmental Open Electives	3
			University Multidisciplinary Open Electives	1
4.	D. Employability Enhancement Courses and courses for presentation of Technical skills related to the specialization (19)	Project work phase I		6
		Project work phase II		12
		Internship		1
5.	E. Mandatory Courses (2)**	1. English for Research Paper Writing 2. Personality Development Through Life Enlighten Skills		One Credit Course
		Minimum Credits to be earned		**77**
** The credits earned in category 'E' Courses will not be counted in CGPA calculation				

21. COMPONENTS OF CURRICULUM

21.1 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.

21.2 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.

21.3 Category C - Elective Courses (EC)

21.3.1 Professional Elective Courses

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.

21.3.2 OPEN ELECTIVE

21.3.2.1 Inter departmental Open Electives

The courses offered in this category include courses on emerging areas which are interdisciplinary in nature like 3D Printing, Artificial Intelligence, Internet of Things etc. 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 the credit transfer and endorsement in marks statement. The credits earned in this category will be used for overall CGPA calculation.

21.3.2.2 University Multidisciplinary Open Electives

University offers multi-disciplinary open elective courses which will be offered to all students of the university irrespective of the discipline he/she belongs. e.g. Students from Faculty of Engineering and Technology can take courses offered by the Faculty of Medicines, Faculty of Allied Health Sciences, Faculty of Pharmacy etc. and vice-versa**.**

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

21.4.1 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.

21.4.2 Internship

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. Internship on rural/Social community services, innovation, incubation,

IPR, entrepreneurship etc. will also be considered towards awarding credit under this category. Students are allowed to pursue Internships, after the completion of their first semester University examination onwards for a minimum duration of 1 week (35 hours) of Internship / Industrial training / Industrial engagement which will be considered as eligible for awarding credit in this category. Students should submit the offer letter received from the Industry/Organization providing Internship, along with self-declaration, to the HoI 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. The detailed guidelines are presented in **Annexure III**.

21.5 Category E – Mandatory One Credit Courses

The courses under this category have one credit and will not be included for CGPA calculations. Courses like English for Research Paper Writing and Personality Development Through Life Enlighten Skills are included under this. The student should complete two courses under this category.

21.6 Industry Integrated Courses

Courses which are designed and offered by the industries, and assessed jointly by the University and industries are included in curriculum as industry integrated courses and may belong to any of the categories mentioned above. The curriculum and syllabus of these courses are designed by the industries and approved by the BoS and Academic Council. The courses are offered by the experts from Academia and Industry. The continuous assessment will be done by the industry. The end semester examinations will be conducted by the University and grades will be awarded. The list of the industry integrated courses will be updated time to time.

22. BLENDED MODE OF LEARNING AND ADOPTION OF SWAYAM COURSES

Students are allowed to take a maximum of 40% of the total number of minimum number of credits to be earned as per the curriculum, which are offered through MOOCs such as NPTEL/SWAYAM. The credits earned should be transferred in mark sheet on successful completion of the courses and recommendations by the course equivalence committee constituted for this purpose. The credits earned for the courses completed through MOOCs like NPTEL/SWAYAM will be used for overall CGPA calculation after applying the normalization process. The student should secure a pass in the MOOC course. This will be the minimum eligibility for credit transfer. Scores of the MOOC courses completed by the students on permitted platforms are valid for 1 year to apply for credit transfer.

Over and above the 40% of the total number of minimum credits, the students if interested can take any number of courses offered through MOOCs like NPTEL/SWAYAM. Credits earned on successful completion of the courses greater than 40% of the total credits will be transferred in mark sheet as extra credits earned and will not be used for overall CGPA

calculation. The standard operating procedure for the Transfer of Credits is presented in **Annexure - 4**.

23. COURSE REGISTRATION IN A SEMESTER

23.1   Registration Process: 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.

23.2 Minimum and Maximum Credits: 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 re-appearance i.e. courses could not be completed successfully in previous semesters. The students can register any number of courses for reappearance.

23.3 Compensatory Courses: The system of compensatory courses is meant only for those students who are unable to cope up with the academic vigor and hence fails to secure 75% attendance in 1 or 2 courses in a semester while maintaining an attendance of 75% and above in the remaining courses. Students can register those 1 or 2 courses under Compensatory Courses in the forthcoming semesters subject to the following conditions:

   a) Compensatory courses are conducted only for a student who is 'Detained from Study' due to lack of attendance of 75% minimum.
   b) Compensatory courses may be announced after the publication of results, by the respective Department, by the HODs, with the approval of the HoI.
   c) Student has to register for the Compensatory Courses and pay the prescribed fee for the Compensatory Courses within the specified time limit. A maximum

of two Compensatory Courses alone will be permitted to be registered by a student during the semester next to the semester of detainment.

d) Withdrawal from Compensatory courses is no permitted.

e) These Compensatory courses will be held either during weekends or in evenings after the regular class duration.

f) A student has to obtain a minimum of 75% attendance in each of these courses.

g) A student has to score the minimum passing criterion to be declared 'Pass' in that course.

h) Students cannot demand a compensatory course in any semester as a matter of right. Compensatory courses will be conducted subject to the availability of faculty, class rooms and logistics.

i) Students who have done a Compensatory Course will not be considered for rank, medal or distinction.

24. ASSESSMENT

24.1 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.

24.2 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**

24.3 Improvement of Internal Assessment Marks

In order to provide a fair academic opportunity and to encourage continuous learning, the institution proposes a policy to allow students to improve their internal assessment marks in subsequent semesters. This policy is framed keeping in view the academic regulations, quality standards, and student welfare, and shall be applicable subject to the approval of the Office of the Controller of Examinations. The guidelines for the improvement of the Internal Assessment Marks are presented in **Annexure - 5**.

24.4 External Assessment (EA)

40% weightage of the total marks will be used for external assessment (University examination) 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. 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 commencing in the month of November/December and April/May in every academic year.

24.5 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 3 or more courses in a semester, he / she will not be allowed to enroll for current semester examinations and has to undergo a year of break in studies. In exceptional emergency cases, HoI will examine the case, based on the documents submitted

by the student, facts and circumstances and may permit him/her 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/ re-join procedure.

24.6 Supplementary Examinations

In order to facilitate timely graduation and improve academic progression, supplementary examinations shall be conducted for final year students of Engineering and Technology programs as per the guidelines detailed in **Annexure - 6**.

25. 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 / or practical courses in addition to securing a minimum of 40% each in IA and EA will be declared to have passed the Examination.

For lab embedded theory courses, student should compulsorily appear for both theory and practical Examination. He / She has to secure a minimum of 40% each in 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 re-appear for the entire course (both Theory and Practical).

26. ELIGIBILITY FOR AWARD OF DEGREE

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

27.   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 Grade points assigned.

27.1 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	50
U	ABSENT(Failure due to non appearance in examination)	
	RE-APPEAR(Failure due to insufficient marks in the course)	

27.2 Semester Grade Point Average (SGPA)

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

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

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.

27.3 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) up to that point of time and is calculated on the courses which are successfully completed.

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

28. CLASSIFICATION OF SUCCESSFUL CANDIDATES FOR AWARD OF DEGREE

28.1 First class with Distinction

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.

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.

28.2 First Class

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.

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.

28.3 Second Class

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

29. 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.

30. 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

GUIDELINES FOR MULTIPLE ENTRY & MULTIPLE EXIT OPTIONS

General Guidelines:

- ➢ A student will be allowed to exit a programme upon meeting the minimum requirements for exit at the respective level.
- ➢ A student will be allowed to re-enter a programme only at the beginning of an odd semester (or academic year).
- ➢ Upon re-entry into a programme, the student must surrender the previously obtained certificate (UG Certificate/ PG Diploma used for re-entry) to the Institute. This certificate will not be returned if the student earns a higher certificate, or diploma, after re-entry.
- ➢ Skill Development Programmes:
  - Departments shall design the relevant skill development programmes to meet the credit requirement for PG Diploma in consultation with academia/industry.
  - Departments can also identify skill development programmes offered by other institutions, industries or online platforms for meeting the requirements of PG Diploma.
  - The skill development programmes approved by the BoS and the Academic Council only have to be offered.

Course Mapping:

- ➢ The Course Equivalence Committee shall map the credits acquired by the student with the applicable curriculum course category-wise when a student re-enters a programme.
- ➢ The student must acquire the deficit credits in each course category as per the applicable curriculum.

NCrF Credit Levels

1. School Education: Upto Level 4
2. Higher Education:
   - ➢ Undergraduate: Levels 4.5,5.0,5.5, and 6.0
   - ➢ Postgraduate: Levels 6.0,6.5, and 7.0
   - ➢ Ph.D.: Level 8

The various entry / exit options for M.E/M.Tech programmes are detailed in the following table.

Year of Study	Programme Level	Entry Requirement*	Exit Requirements [Credits(C)+Additional Requirement]	Degree/Certificate Awarded
During 1st year	6.5	As per VMRF(DU) norms	NA	NA
After 1st year of joining the programme	6.5	NA	40 C from the programme curriculum + Skill Development Programme for 4 C in the relevant area	Postgraduate Diploma in the relevant specialization
During 2nd year	7	As per VMRF(DU) norms	NA	NA
After completing 2nd year	7	NA	77C as per the PG curriculum	M.E. / M.Tech. Degree in the relevant specialization

Entry 1: The entry requirement for Level 6.5 is a 4-year B.E. / B.Tech. Degree. Admission will be done as per VMRF(DU) norms.

Exit 1: A Postgraduate Diploma in the relevant specialization shall be awarded if a student exits At the end of Year 1 (Level 6.5), provided the student earns 40 credits from the programme curriculum and an additional 4 credits of skill development programme.

Entry 2: The entry requirement for Level 7 is as per VMRF (DU) norms.

Exit 2: On the successful completion of Year 2 (Level 7), a student shall be awarded an M.E. / M.Tech. degree, which requires a total of 77 credits as specified in the program structure.

PROGRAMME OUTCOMES

PO1: An ability to independently carry out research /investigation and development work to solve practical problems

PO2: An ability to write and present a substantial technical report/document

PO3: Students should be able to demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program

ANNEXURE-III

GUIDELINES FOR INTERNSHIP

a) Students are allowed to pursue Internships, after the completion of their third semester University examination onwards. The internship has to be meaningful and beneficial to the intern.

b) The period of Internship shall be at least one week (35 hours) as per the regulations 2025. A student has to earn1 credit as per the regulations R2025.

c) If a student undergoes internship for additional duration, then 1 credit will be awarded for every 35 hours (1 week) which will be included as extra credits earned and not considered for the CGPA calculation.

d) Students should undergo Internships only during their summer or winter vacation approved by the HoI, Vice Principal (Academics) and the Head of respective Department (HoD).

e) Students should submit the offer letter received from the Industry/Organization providing Internship, along with the declaration by the student, to the HoI for approval through proper channel in the prescribed proforma. 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.

f) Students on joining Internships at the concerned Industry/Organization, shall submit the Joining Report/Letters/Email to the Head of Department.

g) Each student is required to keep an internship diary, to mark the periodic update of the Project work, observations, information gathered, and suggestions given, if any.

h) Students should contact their Faculty Advisor, on a weekly basis, to communicate the progress and they need to submit the weekly report through E-mail.

i) 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.

j) After completion of Internship, students are required to submit

    i.   Report of work done. The Internship report should be signed by the Internship

ii.   Supervisor/Project Manager/authority concerned.

iii.   Copy of Internship certificate.

iv.   Evaluation form by the industry in the prescribed format.

v.   Stipend proof (Bank transaction statement) if any.

k) 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.

l) If the student feels that the Internship work is not meeting the standards/not related to their fieldof 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.

m) The Internship may be cancelled / discontinued at any time if the performance of the intern is not found satisfactory or the intern is absent without the authorization of the Internship supervisor / College.

STANDARD OPERATING PROCEDURE FOR TRANSFER OF CREDITS

As per clause 21 of regulations 2025 of the Faculty of Engineering and Technology, a student may opt for courses offered through MOOC platform SWAYAM NPTEL and the credits earned after successful completion of the courses will be recommended by Transfer of Credit Committee for transfer of credits and endorsement in marks statement. The grades earned in this category will be used for the calculation of CGPA after applying the normalization process.

As per clause 22 of regulations 2025 of the Faculty of Engineering and Technology, Students are encouraged to take a maximum of 40% of the total number of credits in the curriculum through SWAYAM NPTEL.

Over and above 40% of the credits, the students if interested can take any number of courses offered through various MOOC plat forms like NPTEL/SWAYAM and credits earned on successful completion of these courses will be mentioned in the marksheet as extra credits earned but will not be usedforoverall CGPA calculation.

GUIDELINES FOR CREDIT TRANSFER

1. Students cannot register for the mapped MOOC courses that are being offered in the current semester.
2. The student should secure a pass (successful completion) in the MOOC course. This will be the minimum eligibility for credit transfer.
3. Scores of the MOOC courses completed by the students on permitted platforms are valid for1 year to apply for credit transfer.

PROCEDURE FOR TRANSFER OF CREDITS

1. Each department should recommend the MOOC courses with at least 60% mapping with VMRF syllabus. The list of courses should be recommended by the department coordinator and HoD. The list should be submitted tothe Transfer of Credit Committee (TOC).
2. TOC committee will approve the list of courses recommended by the department.
3. The student should enroll for the courses only from the approved list.
4. After successful completion of the MOOC course, the student should apply for the credit transfer using **CREDIT TRANSFER APPLICATION FORM** along with the MOOC course completion certificate through proper channel to the Transfer of Credit

Committee.

5. Transfer of Credit Committee (TOC) will consolidate all the applications received from the departments and validate them. The committee will submit the list to the Controller of Examination, VMRF for further action.

6. The Grade for the completed MOOC course will be awarded as per VMRF regulations and the scores will be normalized as per the following table.

MOOC SCORE NORMALIZATION

S. No	Obtained Score from MOOC	Normalized Relative Score Recommended	VMRF(DU) Grade	VMRF(DU) Grade Points
1	40	53	B	5.5
2	41	54	B	5.5
3	42	55	B+	6
4	43	56	B+	6
5	44	57	B+	6
6	45	58	B+	6
7	46	59	B+	6
8	47	60	A	7
9	48	61	A	7
10	49	62	A	7
11	50	63	A	7
12	51	62	A	7
13	52	63	A	7
14	53	64	A	7
15	54	65	A	7
16	55	66	A	7
17	56	67	A	7
18	57	68	A	7
19	58	69	A	7
20	59	70	A+	8
21	60	71	A+	8
22	61	72	A+	8
23	62	73	A+	8
24	63	74	A+	8
25	64	75	A+	8
26	65	76	A+	8
27	66	77	A+	8
28	67	78	A+	8
29	68	79	A+	8
30	69	80	A++	8.5
31	70	81	A++	8.5
32	71	80	A++	8.5

33	72	81	A++	8.5
34	73	82	A++	8.5
35	74	83	A++	8.5
36	75	84	A++	8.5
37	76	85	O	9
38	77	86	O	9
39	78	87	O	9
40	79	88	O	9
41	80	89	O	9
42	81	90	O+	9.5
43	82	91	O+	9.5
44	83	92	O+	9.5
45	84	93	O+	9.5
46	85	94	O+	9.5
47	86	94	O+	9.5
48	87	95	O++	10
49	88	96	O++	10
50	89	96	O++	10
51	90	97	O++	10
52	91	96	O++	10
53	92	97	O++	10
54	93	98	O++	10
55	94	99	O++	10
56	95	100	O++	10
57	96	100	O++	10
58	97	100	O++	10
59	98	100	O++	10
60	99	100	O++	10
61	100	100	O++	10

Standard Deviation (SD)	**17.75293403**

Range	Normalized Relative Score
40-50	Score + 0.75*SD
51-60	Score + 0.6*SD
61-70	Score + 0.6*SD
71-85	Score + 0.5*SD
86-90	Score + 0.45*SD
91-95	Score + 0.35*SD
91-100	Score + 0.25*SD

GUIDELINES FOR THE IMPROVEMENT OF INTERNAL ASSESSMENT MARKS

1. Eligibility

- Students who have secured less than the prescribed minimum marks for passing eligibility shall be allowed to improve.

- Students who were absent for valid and approved reasons (medical, participation in university-approved activities, or other genuine grounds) may also apply.

- Students debarred from internal assessments due to disciplinary issues shall not be eligible.

2. Applicability

- The provision shall be applicable only for theory courses.

- Laboratory/practical/project courses will not be considered for improvement, unless otherwise notified.

- A student may apply for improvement in a maximum of two courses per semester.

3. Procedure

- Students shall submit a formal application through the Head of the Department and the Head of the Institution to the Controller of Examinations at the beginning of the subsequent semester.

- The concerned course faculty shall prepare and conduct additional internal assessment(s) for such students within the first six weeks of the semester.

- Marks obtained in the improvement assessment will replace the earlier marks if higher; otherwise, the original marks will be retained.

4. Assessment Methodology

- The improvement assessment shall follow the same pattern as the regular internal assessments (test format, syllabus coverage, evaluation criteria).

- Transparency shall be maintained by recording marks in departmental records and forwarding the approved marks to the Controller of Examinations.

5. Limitations

- This facility can be availed only once for a particular course.

- Students already declared "Passed" in a course are not eligible for improvement solely to increase marks.

- The overall ceiling for internal marks shall remain as prescribed by the academic regulations.

<u>**ANNEXURE - VI**</u>

<u>**GUIDELINES FOR SUPPLEMENTARY EXAMINATIONS**</u>

1. **Eligibility**
   - The supplementary examination shall be conducted **immediately after the publication of the 6th semester results**.
   - Only **final year (6th semester) students** who have appeared for the 6th semester examinations are eligible.

2. **Permitted Subjects**
   - Students shall be permitted to appear for a **maximum of two (2) arrear subjects**.
   - These subjects may be from **any of the lower semesters (1 to 5)**.
   - Subjects already passed or for which the student has exhausted maximum attempts are not eligible.

3. **Application Procedure**
   - Eligible students shall apply through the prescribed application form within the stipulated date announced by the Controller of Examinations (CoE) office.
   - Examination fees must be paid as per the notified schedule.

4. **Examination Schedule & Mode**
   - The supplementary examinations will be conducted in a **fast-track mode** soon after the announcement of 6th semester results, ensuring no delay in award of degree.
   - The pattern of question papers, duration, and assessment scheme will be the **same as the regular end-semester examinations**.

5. **Results Declaration**
   - The results of supplementary examinations will be declared expeditiously to enable the eligible candidates to be considered for convocation without loss of time.

6. **General Conditions**
   - This provision is applicable **only once, immediately after completion of the 6th semester**.
   - The decision of the Controller of Examinations shall be final in all matters related to eligibility, conduct, and result processing of the supplementary examinations.

VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University under section 3 of the UGC Act 1956)
Sankari Main Road, (NH-47), Ariyanoor,
SALEM – 636 308, TAMIL NADU

APPLICATION FORM FOR RE-JOINING TO B.E. / B.TECH. / B.ARCH. AND PG (MBA / MCA / M.E. / M.TECH.) DEGREE COURSES (ODD / EVEN SEMESTER)

Academic Year :_____   Year :_____   Semester :_____

1	Name of the Student (in CAPITAL LETTERS)	
2	Name of the College with Full Address	
3	The mode, the student was Admitted to B.E. / B.Tech. / B.Arch. / MBA / MCA / M.E. /M.TECH. Degree Courses (✓ Tick the relevant box)	FIRST YEAR (FULL TIME) ☐ DIRECT SECOND YEAR (LATERAL ENTRY) ☐ PART TIME ☐
4	Month and Year of 1st year Admission	Year ☐ ☐ ☐ ☐
5	Branch of Study	
6	Register Number	New (If Known) ☐☐☐☐☐☐☐☐☐☐☐☐ Old ☐☐☐☐☐☐☐☐☐☐☐☐
7		**SEMESTER** **YEAR**
	Semester / Year during which the Course was Discontinued	For example III For example 2013-14
	Semester / Year during which Re-admission is sought	For example III For example 2014-15
8	Reason for Discontinuation of study:	
9	Address for Communication (in Capital Letters): .... Mobile Number : .... Email ID :	**Signature of the Student**

UNDERTAKING

I hereby agree for the Re-joining, accepting the conditions that the VMRF-DU prescribed in this regard.

I further agree and state that,

(i) I shall appear for the equivalent or additional papers, if any, that may be prescribed by the VMRF-DU.

(ii) I shall not prefer any claim or right for exemption for any papers whatsoever.

(iii) I shall not prefer any representation seeking stay of or exempting from the operation of any part or in full of the conditions prescribed by the VMRF-DU.

(iv) I shall diligently and faithfully follow the instructions and curriculum of the VMRF-DU.

(v) I agree to pay whatever fee that prescribed by the VMRF-DU for re-joining

The following documents are enclosed:

1)	Mark Sheet / Grade Sheet pertaining to the previous even / odd semester studied	YES	☐	NO	☐
2)	Copy of details of Attendance sent to Controller of Examinations during (Proforma copy) Examinations	YES	☐	NO	☐

Note : If the above documents are not enclosed, the application will not be considered for Re-joining

Station:

Date:

Signature of the Student

TO BE FILLED BY THE COLLEGE IN WHICH RE-JOINING IS SOUGHT

(If the particulars below are not furnished, the application will not be considered)

Particulars of Attendance in Odd / Even Semesters during the period _____

FORMAT – I (Attendance particulars)

Name of the Student	
Reg. No of the Student	
Mention the Odd / Even Semester in which the student had lack of attendance	
Total No. of Periods taken into account for calculation of attendance for the above Semester	
No. of Periods attended by the Student	
Percentage of the Attendance	

Note : The attendance particulars communicated to the Controller of Examinations VMRF (Deemed to be University) should be furnished above, with the proof of copy sent to the Controller of Examination.

The Principal is requested to fill up the following format certifying the date of joining of the student in odd / Even semester _____(Academic Year).

FORMAT – II (Current odd Semester attendance particulars)

(To be filled in if the application is forwarded after commencement of classes.Otherwise "NOT APPLICABLE"

Joining date of the student in the odd / Even Semester for the academic year _____	
No. of working days completed from the date of commencement of classes	
No. of days attended by the student from the date of commencement of classes.	
% Attendance in the current Odd / Even Semester till date	

Office Seal: Signature of the Principal

DECLARATION

I .... son of /

Daughter of ....

Residing at ....

Admitted in a first year of .... (Name of the course

UG/PG/ PG DIPLOMA) at .... (Name of the college)

do hereby solemnly affirm and sincerely state as follows.

    I declare that, I shall abide the rules and regulations prescribed by the Vinayaka Mission's

Research Foundation (Deemed to be University), Salem for the ....

(Course) including regulations for re-joining after the break of study.

Date :   Signature of the candidate

/ Countersigned /

Date: Signature of the Dean / Principal with seal