

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY**  
**BELAGAVI**



**Scheme of Teaching and Examinations**

**M.Tech., in Mechanical Engineering**

**(Specialization in .....)**

Choice Based Credit System (CBCS) and Outcome Based Education (OBE)

I SEMESTER (Core Courses related to main Engineering Stream)											
Sl. No	Course Type	Course Code	Course Title	Teaching Hours per Week			Examination				Credits
				Theory	Practical/Seminar	Tutorial/SDA	Duration in hours	CIE Marks	SEE Marks	Total Marks	
1	BSC/PCC/ IPCC /PCC(PB)/	Mxx101					03	50	50	100	3
2		Mxx102					03	50	50	100	4
3		Mxx103					03	50	50	100	3
4		Mxx104					03	50	50	100	3
5		Mxx105					03	50	50	100	3
6	PCCL	MxxL106					03	50	50	100	2
9	NCMC	MRMI107	Research Methodology and IPR (Online)	Online courses (online.vtu.ac.in)							PP
								<b>300</b>	<b>300</b>	<b>600</b>	<b>18</b>
<p>Note: <b>BSC</b>-Basic Science Courses, <b>PCC</b>: Professional core. <b>IPCC</b>-Integrated Professional Core Courses, <b>PCC(PB)</b>: Professional Core Courses (Project Based), <b>PCCL</b>-Professional Core Course lab ,<b>NCMC</b>- None Credit Mandatory Course, <b>L</b>-Lecture, <b>P</b>-Practical, <b>T/SDA</b>-Tutorial / Skill Development Activities(Hours are for Interaction between faculty and students) <b>MRMI19</b>- Research Methodology and IPR (Online) for the students who have <b>not studied</b> this course in the Undergraduate level. This course is not counted for vertical progression, Students have to qualify for the award of the master's degree.</p> <p><b>M</b>- Master program <b>xx</b> – <b>ME</b> for Mechanical Engineering Stream, <b>CV</b> for Civil Engineering Stream, <b>EE</b> – Electrical &amp; Electronics Engineering Stream, <b>EC</b>- Electronics and Communication Engineering Stream, <b>CS</b>- Computer Science and Engineering <b>BA</b>- BusinessAdministration <b>AR</b>- Architecture- etc.</p> <p><b>BSC: Basic Science Courses:</b> Courses like Mathematics/ Science are the prerequisite courses that the concerned engineering stream board of Studies will decide. <b>PCC: Professional Core Course:</b> Courses related to the stream of engineering, which will have both CIE and SEE components, students have to qualify in the course for the award of the degree. <b>Integrated Professional Core Course (IPCC):</b> Refers to a Professional Theory Core Course Integrated with practicals of the same course. The IPCC's theory part shall be evaluated by CIE and SEE. The practical part shall be evaluated by only CIE (no SEE). However, questions from the practical part of IPCC shall be included in the SEE question paper. <b>Project Based Learning Course (PCC(PB)):</b> Project Based Learning course is a professional core Course only Students have to complete a project out of learning from the course and SEE will be viva voce on project work. <b>PCCL: Professional Core Course Laboratory:</b> Practical courses whose CIE will be evaluated by the class teacher and SEE will be evaluated by the two examiners.</p> <p><b>Skill development activities: Under Skill development activities</b> in a concerning course, the students should</p> <ol style="list-style-type: none"> <li>1. Interact with industry (small, medium, and large).</li> <li>2. Involve in research/testing/projects to understand their problems and help creative and innovative methods to solve the problem.</li> <li>3. Involve in case studies and field visits/ fieldwork.</li> <li>4. Accustom to the use of standards/codes etc., to narrow the gap between academia and industry.</li> <li>5. Handle advanced instruments to enhance technical talent.</li> <li>6. Gain confidence in the modelling of systems and algorithms for transient and steady-state operations, thermal study, etc.</li> <li>7. Work on different software/s (tools) to simulate, analyze and authenticate the output to interpret and conclude.</li> </ol>											

All activities should enhance student's abilities to employment and/or self-employment opportunities, management skills, Statistical analysis, fiscal expertise, etc. Students and the course instructor/s are to be involved either individually or in groups to interact together to enhance the learning and application skills of the study they have undertaken. The students with the help of the course teacher can take up relevant technical –activities that will enhance their skills. The prepared report shall be evaluated for CIE marks.

**MRMI107-Research Methodology and IPR-** None Credit Mandatory Course (NMC) if students have not studied this course in their undergraduate program then he /she has to take this course at <http://online.vtu.ac.in> and to qualify for this course is compulsory before completion of the minimum duration of the program (Two years), however, this course will not be considered for vertical progression.

Specialization in –(xxx)											
II SEMESTER											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Seminar	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	T/SDA					
1	PCC/PEC/ MDC/PCC(PB) /IPCC	Mxxx201					03	50	50	100	4
2		Mxxx202					03	50	50	100	3
2		Mxxx203					03	50	50	100	3
3		Mxxx204					03	50	50	100	3
4		Mxxx205					03	50	50	100	3
5		<b>Mxxx206</b>					03	50	50	100	3
6	PCCL	MxxxL207					03	50	50	100	2
7	AEC/SEC	MXXX258x	Ability/Skill Enhancement Course (Offline/Online)	00	02	---	02	50	50	100	1
				01	00	----	01				
<b>TOTAL</b>								<b>400</b>	<b>400</b>	<b>800</b>	<b>22</b>
<p>Note: <b>PCC</b>: Professional core. <b>IPCC</b>-Integrated Professional Core Courses, <b>PCC(PB)</b>: Professional Core Courses (Project Based), <b>PCCL</b>-Professional Core Course lab, <b>PEC</b>- Professional Elective Courses, <b>MDC</b>- Multi-Disciplinary Courses  , <b>L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities</b> (Hours are for Interaction between faculty and students)  <b>L-Lecture, P-Practical, T/SDA-Tutorial / Skill Development Activities</b> (Hours are for Interaction between faculty and students) <b>PBLC</b>: Project Based Learning Course,  Note: <b>xxx</b> means specialization code for example <b>MDE</b>- Design Engineering, <b>LDN</b>- Digital Communication and Networking, <b>SCE</b>- Computer Engineering, <b>CCT</b>- Construction Technology, <b>AUD</b>- Urban Design, <b>MBA</b>- Master of Business Administration, <b>MCA</b>-Master of Computer Application, etc</p>											
<b>Ability / Skill Enhancement Courses</b>											
<b>Course Code</b>		<b>Course title</b>			<b>L</b>	<b>T/SDA</b>	<b>P</b>				
Mxxx258A											
Mxxx258B											
Mxxx258C											
Mxxx258D											

**Ability Enhancement Courses (AEC):** These courses are designed to help students enhance their skills in communication, language, and personality development. They also promote a deeper understanding of subjects like social sciences and ethics, culture and human behavior, human rights, and the law. **Skill Enhancement Course (SEC):** Skill Enhancement Course means a course designed to provide value-based or skill-based knowledge and should contain both theory and lab/hands-on/training/fieldwork. The main purpose of these courses is to provide students with life skills in the hands-on mode to increase their employability. **If AEC/SEC courses are ONLINE (MOOCs) courses** suggested by the concerned board of studies. These courses will be made available on [www.online.vtu.ac.in](http://www.online.vtu.ac.in), however, online courses are not considered for vertical progression, but qualifying in online courses is mandatory for the award of the degree.

### Specializations

Specialization	Course Title	Specialization	Course Title	Specialization	Course Title
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title
Mxxx201					
Mxxx202					
Mxxx203					
Mxxx204					
Mxxx205					
<b>Mxxx206</b>					

Specialization	Course Title	Specialization	Course Title	Specialization	Course Title
Course Code	Course Title	Course Code	Course Title	Course Code	Course Title

**PCC/PCCL/IPCC/PEC/MDC/PCC(PB):** These are the courses that will suit the individual specializations

**For the students who are willing to take up a two-semester duration Industry/Research Internship  
Leading to Project work /start-up**

<b>III SEMESTER (A)</b>											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Mini-Project/ Internship	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	SDA					
1	PEC/MDC	Mxxx311x	(Online Courses) 12 weeks duration						100	3	
2		Mxxx312x	(Online Courses) 12 weeks duration						100	3	
		Mxxx313x	(Online Courses) 12 weeks duration						100	3	
3	INT	<b>MINT384</b>	Research Internship /Industry-Internship leading to project work/ Startup	Two-semester duration, SEE in the IV semester which leads to project work /start-up			03	100	---	100	3
<b>TOTAL</b>									<b>400</b>	<b>12</b>	

<b>IV SEMESTER (A)</b>										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Field work	Duration in hours	CIE Marks	SEE Marks Viva voce	Total Marks	
				L	P					
1	INT	MINT481	Research Internship / Industry Internship Leading to Project Work/Start-up	Two Semester Duration		03	100	100	200	12
2	PROJ	MPRJ482	Project			03	100	100	200	16
<b>TOTAL</b>						<b>06</b>	<b>200</b>	<b>200</b>	<b>400</b>	<b>28</b>

**INT:** Industry/ Research Internship leading to the project work /startup **PRJ:** Project work outcome of Internship (Project Phase-II is Viva voce SEE)

Taking up a two-semester Industry/Research Internship that leads to project work or a start-up can be a highly rewarding experience for students. It allows them to apply theoretical knowledge in practical settings, gain valuable industry or research experience, and potentially develop innovative solutions or business ideas. Here are some key steps and considerations for students pursuing such an internship:

**Industry Internship:** The main objective of the industry internship is to ensure that the intern is exposed to a real-world environment and gain practical experience. Often, it may be a practical exposure to the theory that has been learned during the academic period. The industry internship helps students understand of analytical concepts and tools, hone their skills in real-life situations, and build confidence in applying the skills learned.

**Research Internship:** A research internship is an opportunity for students or early career professionals to gain hands-on experience in conducting research under the guidance of a mentor or within a research team. These internships can take place in academic institutions, research organizations, government agencies, or private companies

**Research /Industry Internship:** In the third-semester Students have to be in touch with a guide/mentor/coordinator and regularly submit the report referred to the progress internship. Based on the progress report the Guide/Mentor/coordinator has to enter the CIE marks at the end of the 3<sup>rd</sup> semester. At the beginning of the 4<sup>th</sup> semester, students have to define the project topic out of the learning due to the Internship, upon completion of the project work he/she has to attend the SEE at the parent Institute.

**Internship Leading to Start-up:** An internship that leads to a startup is an exciting pathway, blending real-world experience with entrepreneurial ambition. Here's a comprehensive guide to transitioning an internship experience into launching your startup: 1) Maximize your internship experience, 2) Identifying Viable Business Ideas, 3) Research and Validation 4) Building a Business Plan 5) Networking and Mentorship 6) Securing Funding 7) Establishing Startup 8) Launching and Marketing. By following these steps, you can effectively transition from an internship to launching a successful startup. This journey requires dedication, resilience, and a willingness to learn and adapt.

**Mxxx311 to 313:** MOOC courses of 12 weeks duration are the courses suggested by the Board of Studies of the University and will be displayed on [www.online.vtu.ac.in](http://www.online.vtu.ac.in). The online courses selected should not be the same as those studied in the first and second semesters of the program. The student will not be eligible to get their degree if they unintentionally select online courses that match previously finished courses. These courses are not considered for the vertical progression; however, qualifying for these courses and earning the credits is a must for the award of the degree. It is permitted to complete these online MOOC courses either in 3<sup>rd</sup> semester or in 4<sup>th</sup> semester.

**For the students who are willing to take an Industry Internship for one-semester duration and independent project work next semester**

VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI Scheme of Teaching and Examinations – 2024 <b>M.Tech., Title of the Programme (XXX) (Font 12 Capital, Calibri)</b> Choice Based Credit System (CBCS) and Outcome Based Education (OBE)											
III SEMESTER (B)											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Mini-Project/ Internship	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	SDA					
1	MDC/PEC	Mxxx311	(Online Course) (12 weeks courses)						100	3	
		Mxxx312	(Online Course) (12 weeks courses)						100	3	
2		Mxxx313	(Online Courses) (12-week course)						100	3	
3	INT	24INT384	Industry Internship	One semester Duration			03	100	100	200	11
<b>TOTAL</b>				<b>06</b>	<b>00</b>	<b>00</b>			<b>500</b>	<b>20</b>	

IV SEMESTER (B)										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination			Credits	
				Theory	Practical/ Field work	Duration in hours	CIE Marks	SEE Marks Viva voce		Total Marks
				L	P					
1	Project	MPRJ481	Project work	--	08	03	100	100	200	20
				<b>04</b>	<b>08</b>	<b>03</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>20</b>



**Industry Internship:** The main objective of the industry internship is to ensure that the intern is exposed to a real-world environment and gains practical experience. Often, it may be a practical exposure to the theory that has been learned during the academic period. The industry internship helps students understand of analytical concepts and tools, hone their skills in real-life situations, and build confidence in applying the skills learned. The students who take up a one-semester Internship in the Industry have to appear SEE at the institute at the end of the semester as per the examination calendar.

**Project Work:** Students in consultation with the guide shall carry out literature survey/ visit industries to finalize the topic of the Project. Subsequently, the students shall collect the material required for the selected project, prepare a synopsis, and narrate the methodology to carry out the project work. Each student, under the guidance of a Faculty, is required to

- Present the seminar on the selected project orally and/or through Power Point slides.
- Answer the queries and be involved in debate/discussion.
- Submit two copies of the typed report with a list of references.
- The participants shall take part in discussions to foster a friendly and stimulating environment in which the students are motivated to reach high standards and become self-confident

**CIE marks** for the project report (20 marks), seminar (20 marks) and question and answer (10 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session by the student) by the committee constituted for the purpose by the Principal. The committee shall consist of internal guide and a faculty from the department with the senior most acting as the Chairperson.

**Semester End Examination** SEE marks for the project report (30 marks), seminar (10 marks) and question and answer session (10 marks) shall be awarded (based on the quality of the report and presentation skill, participation in the question and answer session) by the examiners appointed by the University.

**Mxxx311 to 313:** MOOC courses of 12 weeks duration are the courses suggested by the Board of Studies of the University and will be displayed on [www.online.vtu.ac.in](http://www.online.vtu.ac.in). The online courses selected should not be the same as those studied in the first and second semesters of the program. The student will not be eligible to get their degree if they unintentionally select online courses that match previously finished courses. These courses are not considered for the vertical progression; however, qualifying for these courses and earning the credits is a must for the award of the degree. It is permitted to complete these online MOOC courses either in 3<sup>rd</sup> semester or in 4<sup>th</sup> semester.

For the students who are willing to take a research-leading paper publication in Q1/Q2/Q3 Journals and to a PhD Registration											
III SEMESTER (C)											
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week			Examination			Credits	
				Theory	Practical/ Mini-Project/ Internship	Tutorial/ Skill Development Activities	Duration in hours	CIE Marks	SEE Marks		Total Marks
				L	P	SDA					
1	PCC/IPCC/ MDC/PEC	Mxxx311	(Online Course) (12 weeks courses)						100	3	
		Mxxx312	(Online Course) (12 weeks courses)						100	3	
2		Mxxx313	(Online Courses) (12-week course)						100	3	
		Mxxx314	(Online Courses) (12-week course)						100	3	
3	PROJ	MPRJ385	Project Phase-I	One semester Duration			03	100	---	100	6
<b>TOTAL</b>				<b>06</b>	<b>00</b>	<b>00</b>	<b>09</b>			<b>500</b>	<b>18</b>

IV SEMESTER (C)										
Sl. No	Course	Course Code	Course Title	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Field work	Duration in hours	CIE Marks	SEE Marks Viva voce	Total Marks	
				L	P					
1	Project	MPRJ481	Project work	-	08	03	100	100	200	22
				<b>04</b>	<b>08</b>	<b>03</b>	<b>100</b>	<b>100</b>	<b>200</b>	<b>22</b>

The research section of the university has to announce the number of seats for M.Tech. students who are seeking PhD (research study) admission through a project leading to the publication of the paper in Q1/Q2/Q3 journals. Only full-time research work will be permitted in the university department or approved research centers of the affiliated colleges of the university (guidelines need to be set up). Based on

seat availability, the students are permitted to register for project work leading to the publication of papers in Q1/Q2/Q3 journals and admission to research (PhD) in their 3rd semester of the M.Tech., program

**Project Phase-1** Project Phase-I, typically the initial phase in any project, is crucial as it lays the foundation for the entire project. This phase involves defining the project's scope, objectives, and initial planning. Here's a structured approach to effectively carry out Project Phase-I:

- **Project Charter:** Outlines the project's purpose, objectives, and stakeholders.
- **Scope Statement:** Defines the project boundaries and deliverables.
- **Requirements Document:** Captures all project requirements.
- **Project Plan:** Details the approach, timeline, and resource allocation.
- **Risk Management Plan:** Identifies and plans for potential risks.
- **Feasibility Study Report:** Assesses technical, economic, and operational feasibility.

Students in consultation with the guide shall carry out literature survey/visit industries to finalize the topic of the Project. Subsequently, the students shall collect the material required for the selected project, prepare a synopsis, and narrate the methodology to carry out the project work. Each student, under the guidance of a faculty, is required to

- Present the seminar on the selected project orally and/or through power point slides.
- Answer the queries and be involved in debate/discussion.
- Submit two copies of the typed report with a list of references.
- The participants shall take part in discussions to foster a friendly and stimulating environment in which the students are motivated to reach the highest and become self-confident.

**Continuous Internal Evaluation (100 Marks).**

CIE marks for the project report (60 marks), seminar (20 marks) and question and answer (20marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session by the student) by the committee constituted for the purpose by the Principal. The committee shall consist of an internal guide and a faculty from the department with the seniormost acting as the Chairperson.

**Project Work Phase-II:** Each student shall be involved in carrying out the project work jointly in constant consultation with internal guide and external guide and prepare the project report as per the norms of the university to avoid plagiarism. Phase II of a project typically involves the detailed execution of the planned activities, continuous monitoring and control of the project's progress, and making necessary adjustments to ensure the project stays on track. Keep detailed records of all project activities, decisions, and changes. Ensure all project documentation is organized and accessible. Conduct a final project review to evaluate overall performance, achievements, and lessons learned. Document best practices and areas for improvement for future projects.

**Paper Publication Process:** Publishing a research paper based on your project in a Q1/Q2/Q3 journal involves several key steps, from writing the manuscript to navigating the peer review process. Here's a comprehensive guide:

**Writing the Manuscript:** Choose a clear and concise title that accurately reflects the content. Write an abstract summarizing the research question, methods, results, and conclusions.

**Literature Review:** Review relevant existing research to establish the foundation of your study. Identify gaps that your research aims to fill.

**Methodology:** Describe the research design, methods, and procedures in detail. Include information on data collection, analysis, and any tools or software used.

**Results:** Present the findings of your research clearly and logically. Use tables, figures, and charts to illustrate key results.

**Discussion:** Interpret the results and explain their implications. Compare your findings with existing research and discuss any discrepancies or new insights.

**Conclusion:** Summarize the main findings and their significance. Suggest potential future research directions.

**References:** Cite all sources used in your research following the journal's citation style.

**Journal Selection:** Choose a journal that aligns with the scope and focus of your research. Consider the journal's impact factor (Q1, Q2, Q3) and audience.

**Review Journal Guidelines:** Carefully read the journal's submission guidelines and ensure your manuscript adheres to them.

**Prepare Your Manuscript:** Format your manuscript according to the journal's guidelines. Include all required sections and supplementary materials.

**Cover Letter:** Write a cover letter to the journal editor highlighting the significance of your research and why it fits the journal.

**Submit the Manuscript:** Use the journal's online submission system to submit your manuscript. Ensure all required information and documents are included.

**Semester End Examination** SEE marks for the project report (60 marks), seminar (20marks) and question and answer session (20 marks) shall be awarded (based on the quality of report and presentation skill, participation in the question and answer session) by the examiners appointed by the University.



सत्यमेव जयते

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011-29581000

Website : www.aicte-india.org

F.No. AICTE/P&AP/VTU/2024

अखिल भारतीय तकनीकी शिक्षा परिषद्

(भारत सरकार का एक सांविधिक निकाय)

(शिक्षा मंत्रालय, भारत सरकार)

नेल्सन मंडेला मार्ग, वसंत कुंज, नई दिल्ली-110070

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

(A Statutory Body of the Govt. of India)

(Ministry of Education, Govt. of India)

Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

Dated: 03.09.2024

To,

**Dr. Vidyashankar S.  
Vice Chancellor**

Visvesvaraya Technological University,  
Jnana Sangama, Belagavi – 590018,  
Karnataka  
Email: vc@vtu.ac.in

**Subject: Approval of Certificate Issuance Model for Postgraduate Programs.**

**Reference:** Your letter no. VTU/VCS/2024-25/19 dated 08.06.2024.

Respected Sir,

This is in reference to your letter No. VTU/VCS/2024-25/19 dated 08.06.2024 regarding the issuance of postgraduate certificates.

The Competent Authority at the All India Council for Technical Education (AICTE) has reviewed the matter and is pleased to approve the following model format for issuing certificates at the postgraduate (PG) level. This template is to be used specifically for awarding the degree of Master of Technology (M.Tech) in the main branch of study, with a specialization indicated in parentheses.

For example, the certificate should read as follows:

**M.Tech in Mechanical Engineering (Specialization in Machine Design)**

This format is to be uniformly adopted across all institutions offering PG programs under the purview of AICTE, ensuring consistency and clarity in the representation of qualifications. It will serve as a standard for all M.Tech degrees, with the main branch of engineering clearly mentioned, followed by the specialization in parentheses.

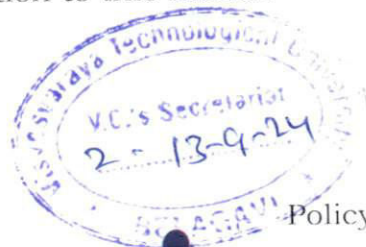
This directive is issued with the approval of the Competent Authority at AICTE, and we expect all concerned institutions to comply with this format when issuing postgraduate certificates.

Thank you for your attention to this matter.

Yours sincerely,

(Dinesh Singh)

Director and Bureau Head,  
Policy & Academic Planning Bureau



भारत सरकार सेवार्थ  
ON INDIA GOVERNMENT SERVICE



अखिल भारतीय तकनीकी शिक्षा परिषद्  
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## ANNEXURE-I

Sl. No.	Masters of	Master Degree in ..... Specialization in .....
		<b>Specialization in</b>
1	<b>Architecture</b>	Habitat Design
2		Urban Design
3		Digital Architecture
4		Construction project Management
5		Interior Design
6		Digital Heritage and Conservation
7		Sustanaible Human Habitate (2023)
8		M.Plan (Smart City Planning)
9		M.Plan (Town and Contry Planning)
10		Construction and Project Management
11		Sustainable Architecture
		<b>Specialization in</b>
1	<b>Biotechnology</b>	Biotechnology and Biochemical Engineering
2		Biotechnology
3		Bioinformatics
4		Food Technology
5		Food Biotechnology
		<b>Specialization in</b>
1	<b>Civil Engineering</b>	Computer Aided Design of Structures
2		Civil Engineering (Computer Aided Structural Engg)
3		Construction Technology
4		Environmental Engineering
5		Geotechnical Engineering
6		Infrastructure Construction and Management
7		Structural Engineering
8		Transportation Engineering and Management
9		Transportation Engineering
10		Highway Technology
11		Waste Water Management, Health and Safety Engineering
13		Water and Land Management
14		Infrastructure Engineering and Management
15		Water Resource Management
		<b>Specialization in</b>
1	<b>Computer Science &amp; Engineering</b>	Computer Engineering
2		Computer Network Engineering
3		Computer Science and Engineering
4		Information Technology
5		Software Engineering
6		cyber forensic and information security
7		Networking and Internet Engineering



8		Artificial Intellegence And Machine Learning
9		Data Science
10		Artificial Intelligence and Data Science
11		Cyber Security
12		Master of Computer Applications
13		Web Technology
		Integrated MCA(IMCA)
		<b>Specialization in</b>
1	<b>Electronics Engineering</b>	Communication Systems
2		Digital Communication & Networking
3		Digital Electronics & Communication
4		Digital Electronics & Communication Systems
5		Digital Electronics
6		Electronics
7		Industrial Electronics
8		Signal Processing
9		VLSI Design and Embedded System (Affiliated)
10		Power System Engineering
11		Power Electronics
12		Computer Application In Industrial Drives(Only in Autonomous College)
13		Micro Electronics and Control Systems
14		Energy System Engineering
15		Biomedical Signal Processing and Instrumentation
16		Digital Communication Engineering
17		<b>Electronics &amp; Communication(VLSI Design)</b>
18		<b>Electronics &amp; Communication(Advanced Communication Technology)</b>
19		Iot and Sensor System
		Biomedical Electronics and Industrial Instrumentation (Autonomous) - PG
		Electrical Vehical Technology
		<b>Specialization in</b>
1	<b>Aeronautical Engineering</b>	Aerospace Propulsion Technology
		<b>Specialization in</b>
2	<b>Mechanical Engineering</b>	Automotive Engineering
3		Master of Engineering Management
4		Product Design & Manufacturing
5		Production Engineering
6		Production Management
7		Production Technology
8		Production Engineering & System Technology
9		Manufacturing Science & Engineering
10		Computer Aided Engineering
11		Industrial Automation Engineering
12		Industrial Automation and Robotics
13		Computer Integrated Manufacturing



14		Design Engineering
15		Engineering Analysis & Design
16		Machine Design
17		Material Science & Technology
18		Tool Engineering
19		Thermal Power Engineering/Thermal Engineering
21		Defence Technology
22		Robotics and Mechatronics
23		Robotics and Artificial Intelligence
		<b>Master of BUSSINESS ADMINISTRATION</b>
		<b>Specialization in</b>
1	<b>Business Administration</b>	MBA
2		MBA in <b>Business Administration in Industrial Management</b>
3		MBA (Innovation Entrepreneurship & Venture Development)
		MBA Logistics Mangement
		MBA Digital Marketing
		Integrated MBA (IMBA)
		<b>Specialization in</b>
1	<b>Nano Technology</b>	Nano Technology (Affiliated)
2		Nano Science & Technology (Uni Dept)
		<b>Specialization in</b>
1	<b>Textile Technology</b>	Textile Technology
		<b>Specialization in</b>
1	<b>Science</b>	Master of Science in Chemistry
	<b>Mechatronics</b>	Mechatronics *
	<b>Geoinformatics</b>	Geo-infomatics *

\* As these programs are multidisciplinary programs these programs are not grouped in main streams