Subjects Taught:

Category	Course Code	Course Title	L	T	P	C	Pre-Requisite	Credits to be earned
Professional Core Courses (C) **(3 Courses)**	18MHC001T	Elements of Mechatronics Systems	3	0	0	3		10
	18MHC002T	Sensors and Real time Interfacing	3	0	0	3		
	18MHC003J	Design of Mechatronics Systems	3	0	2	4		
Professional Elective Courses (E) **(any 3 Courses)**	18MHE031T	Fundamentals of Robotics	3	0	0	3		09
	18MHE032T	Industrial Automation	3	0	0	3		
	18MHE033T	Industrial Electronics	3	0	0	3		
	18MHE034T	Geometric Modeling	3	0	0	3		
	18MHE035T	Micro Electro Mechanical Systems	3	0	0	3		
	18MHE036T	Machine Vision and Image Processing	3	0	0	3		
	18MHE037T	Applied Mechatronics Systems	3	0	0	3		
	18MHE038T	Intelligent Mechatronics System	3	0	0	3		
	18MHE039T	Systems Engineering	3	0	0	3		
	18MHE040T	Process Control Engineering	3	0	0	3		
							Total Credits	**19**

Minor in Mechatronics Engineering

Interdisciplinary Knowledge

Mechatronics Engineering combines principles from mechanical engineering, electrical engineering, computer science, and control systems. By pursuing a minor in Mechatronics Engineering, students gain interdisciplinary knowledge and skills, allowing them to understand and work with complex integrated systems.

Enhanced Career Opportunities

Mechatronics Engineering is a rapidly growing field that offers excellent career prospects. Having a minor in Mechatronics Engineering can make you stand out to potential employers, as you'll have a broader skill set and a more holistic understanding of integrated systems. It can open up job opportunities in various industries such as manufacturing, robotics, automation, automotive, aerospace, and more

Versatility

Mechatronics engineers are versatile professionals who can work in different areas to contribute to a wide range of projects, combining mechanical design, electrical circuitry, programming, and control systems. This versatility can make you a valuable asset to employers seeking engineers who can tackle complex projects.

Problem-Solving Skills

Mechatronics Engineering involves designing, analyzing, and troubleshooting complex systems. By pursuing a minor in this field, you'll develop strong problem-solving skills, as you'll be required to integrate different engineering principles to find innovative solutions. These problem-solving skills are highly transferable and applicable to various engineering and technical roles.

Innovation and Research

Mechatronics Engineering is at the forefront of technological innovation. Pursuing a minor in this field exposes you to the latest advancements in robotics automation, embedded systems, and control theory. This knowledge can inspire you to conduct research, develop innovative projects, and contribute to the advancement of the field.

SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

MINOR CERTIFICATION PROGRAM on MECHATRONICS ENGINEERING

SUBJECTS WILL BE OFFERED IN THREE SEMESTERS (V,VI,VII)

ONE TIME CERTIFICATION FEE - RS. 75000/-

Offered by

Department of Mechatronics Engineering
School of Mechanical Engineering
College of Engineering and Technology
SRM Institute of Science and Technology
Kattankluathur-603203

Minor Concept:

- The Minor certification is independent of the regular (Major) field of study.
- Minor is optional.
- Mandate of 19 credits for successful completion of minor in Mechatronics Engineering.

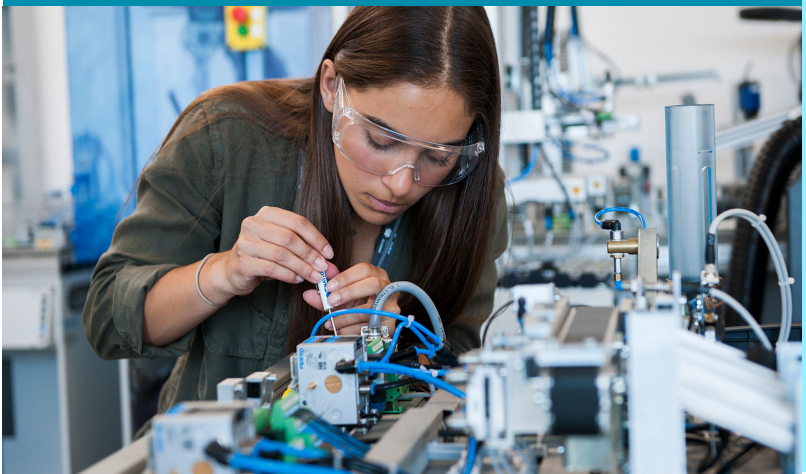
Eligibility:

- Any third-year students of engineering discipline with
- Minimum of 7.0 CGPA at the time of admission (upto 4th Semester) to a Minor
- No standing arrears / Backlogs
- On active rolls of the department without any break of study or pending disciplinary action
- No outstanding fee dues

Classes:

The classes for Minor courses will be held after the class hour or during week end *

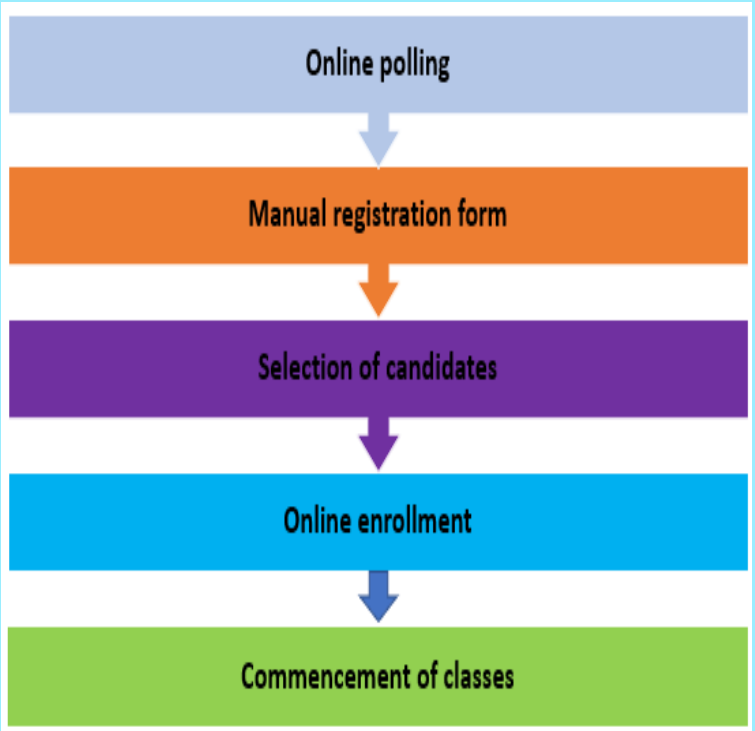
*Subject to change

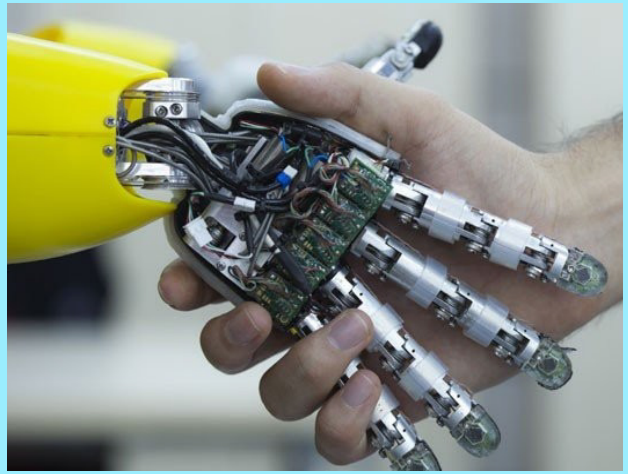


Disclaimer:

- A particular field of study will be offered as a Minor if, and only if, there are adequate number of students showing interest in that field of study.
- Based on the response of the students, the final list of Minors will be released for subsequent course registration.
- Students can register for a Minor course as and when it is offered by the respective departments.
- Only students who satisfy a set of Minimum eligibility criteria set forth by the university and meet certain prerequisites, will be permitted to opt for a Minor. The decision of the Department offering the Minor will be final and binding.

How to apply?





For details about the program contact:

Dr. R. GANGADEVI
Assistant professor (Sr.G)
Department of Mechatronics Engineering
Contact Number: 8056127438

Registration:

Reach your department Minor program coordinator