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7823979952

anithaks@srmist.edu.in

Seats  
are  
Limited  
to  
**25**

**Registration Fee:**  
**Rs. 750/-**

*\*First Come First Serve Basis*

**Last Date  
to  
Register:**



**2025**



**To Register**



# Department of Mechatronics Engineering *presents* **Workshop on Unlocking Deep Learning with PyTorch: A Two- days Hands-on Masterclass**



**08.09.2025 & 09.09.2025**



**09.00 AM - 05.00 PM**

**4** QUALITY  
EDUCATION



**17** PARTNERSHIPS  
FOR THE GOALS



## About the Event

PyTorch has gained popularity as a deep learning framework for implementing state-of-the-art deep learning models. This workshop is designed with a global scope aiming deep learning practitioners to get acquainted with PyTorch. The participants will explore key deep learning architectures, and training techniques. Whether you're a beginner or looking to solidify your understanding, this masterclass bridges theoretical concepts with real-world implementation. By the end of the workshop, participants will have confidence in deploying deep learning models for various AI tasks such as image classification, object detection, and natural language processing.

## Workshop Contents

### Day 1: Foundations & core PyTorch skills

- Session 1: Introduction to Deep Learning
- Session 2: PyTorch Basics
- Session 3: Building Neural Networks in PyTorch
- Session 4: Training Deep Networks

### Day 2: Applications & Advanced Concepts

- Session 5: Image Classification with CNNs
- Session 6: Transfer Learning & Pretrained Models
- Session 7: Deep Learning for NLP
- Session 8: Model Evaluation and Deployment
- Session 9: Deep learning wrap-up session

**Harness Deep Learning to Turn Data  
into Decisions**



## ABOUT SRMIST

SRM Institute of Science and Technology is one of the top-ranking Universities and a premier engineering destination in India. It was established in the year of 1985. SRMIST has campuses at Kattankulathur, Ramapuram & Vadapalani in and around Chennai, Tiruchirappalli, Modinagar & Sonapat in Delhi, Amaravati, and Gangtok, offering a wide range of undergraduate, postgraduate, and doctoral programs under six Faculties like Engineering & Technology, Management, Medicine & Health sciences, Science & Humanities, Law and Agricultural Sciences, with over 52,000 students and 3,200 faculty members. At SRMIST's College of Engineering and Technology, students can experience holistic learning along with the opportunity to work with a dynamic peer group, exchange ideas, and be involved in real-world projects. The Institution has grown through international alliances and collaborative initiatives to achieve global excellence. Over 150 students are sponsored for 35 foreign Universities like MIT, Carnegie Mellon, UC Davis, Warwick, and Western Australia. Over 50 of the world's best universities and 215 corporates strengthen the academic and research programs. Now the Institute enjoys an unsurpassed reputation in academic and corporate circles, being the preferred human resource, for its vision to be a world-class learning institution. SRM IST has been categorized as a Category 1 institute by UGC. SRM IST is accredited by NAAC with the highest A++ Grade in the year 2018.

**Learn Beyond**

<https://www.srmist.edu.in/>

## VISION OF THE DEPARTMENT

To foster globally competent engineers through imparting structured theory and extensive practical experience in the field of Mechatronics Engineering for serving society.

## MISION OF THE DEPARTMENT

- 01 To impart principles of Mechatronics Engineering to produce engineers who are capable of competing on global stage.
- 02 To inculcate methodology for solving multidisciplinary challenges through structured teaching-learning methods and by providing state-of-the-art facilities.
- 03 To cultivate future leaders with a strong sense of integrity, communication, teamwork, and entrepreneurship.

## PROGRAM EDUCATIONAL OBJECTIVES

- 01 Graduates will solve challenges in industry, research, and academia leading to the sustainable development of the society.
- 02 Graduates will handle ever-evolving complex-system-integration problems through interdisciplinary approaches.
- 03 Graduates will deal with systems from a variety of modern engineering and technology fields with ease.
- 04 Graduates will demonstrate lifelong learning and career growth through participation and leadership in societies and organizations.

## ABOUT THE DEPARTMENT

Mechatronics Engineering is an interdisciplinary and concurrent approach to designing systems integrated from Mechanical, Electrical, Electronics, Control, and Computing domains, which have high scope in various industrial applications. Mechatronics Engineering department was established in the academic year 2005-2006 and now has around 500 students and 35 faculty members. The department offers B.Tech. Mechatronics Engineering program, which is accredited by NBA and B.Tech. Mechatronics Engineering with four specializations in Robotics; Autonomous Driving Technology; Industrial IoT and Systems Engineering; and Immersive Technologies, and M.Tech. Mechatronics Engineering. The department has well-developed infrastructure facilities. Besides smart classrooms, there are laboratories that include Electronics and Embedded Systems Lab, Actuators and Drives Lab, Sensors and Measurements Lab, Controls and Systems Engineering Lab, Computing and Simulation Lab, Advanced Robotics Lab, and PG Lab. The department strives in creating engineers who satisfy the strong demand in the field of mechatronics, robotics, automation, and control systems. The department is also engaged in many other activities such as skill development, funded projects, industrial collaboration, consultancy, interdisciplinary research, training, seminars, and conferences.

**Discover Us**

<https://www.srmist.edu.in/departments/departments-of-mechatronics/>

## Payment Options



(or)

**Bank Transfer:**  
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**Acc. No.: 984705705**  
**IFSC: IDIB000S181**  
**MICR: 600019171**

(or)

**mechtronics@indianbk**

## Who Can Attend?

- UG/PG Students
- Research Scholars
- Faculty Members

Anyone Looking to Integrate Real-world Applications  
or Innovative Product Development

*Familiarity with Python is Beneficial  
But Not Mandatory*

## JOIN US

## Why Attend?



**Jumpstart Your Deep Learning Journey!**

**This hands-on workshop will teach you**

- To master the end-to-end workflow of deep learning.
- Gain practical experience with PyTorch