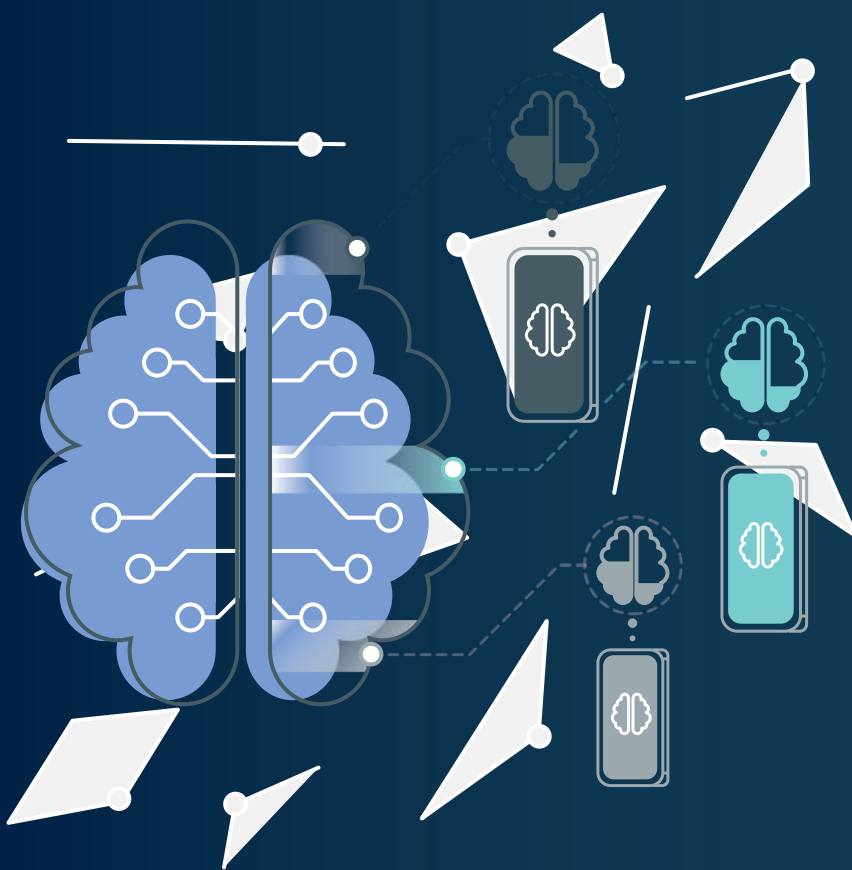


ISTE Sponsored 6-Days Online STTP on
**FEDERATED LEARNING:
 CONCEPTS & APPLICATIONS**

DEPARTMENT OF INFORMATION TECHNOLOGY

Date : June 6 - 11, 2022



ABOUT SRM

Education is all about creating an environment of academic freedom, where bright minds meet, discover and learn. One would experience top of the world living and learning experience at SRM.

SRM Institute of Science and Technology (formerly known as SRM University) is one of the top ranking universities in India with over 20,000 students and 1,500 faculty, offering a wide range of undergraduate, postgraduate and doctoral programs in Engineering, Management, Medicine and Health sciences, Science and Humanities.

Foreign faculty, flexible and dynamic curriculum, exciting research and global connections are the features that set SRM apart. Students have a wide choice of cutting edge programs including nanotechnology, bioinformatics, genetic engineering, remote sensing and GIS, embedded systems or computer forensics to choose from. Most of these courses are offered in close collaboration with foreign universities.

80% of students are from outside Tamil Nadu. Over 150 students sponsored to 35 foreign universities like MIT, Carnegie Mellon, UC Davis, Warwick and Western Australia. SRMIST has been accredited by NAAC with the Highest 'A++' Grade in the year 2018, valid for the next 5 years. Top salary INR 39,00,000 offered by Adobe. Nearly 100% placement of registered students: TCS, Wipro, Cognizant, Infosys, Siemens, and others.





About the Department of Information Technology

The Department of Information Technology at the SRMIST, Ramapuram Campus was established in the year 2005. The department offers the programmes B.Tech IT and Ph.D (FT & PT). The undergraduate program aims to prepare the students for the challenges that they will face as professionals in IT and ITES industries. As an academic discipline, B.Tech IT focuses on imparting education to the students that will help them to meet the needs of users through selection, creation, application, integration and administration of computing technologies.

Our teaching- learning process aims to mould students to consistently perform well in the industry and also motivates them to pursue their higher studies. Special placement training has been given to the final year students that will enable them to get dream, super dream and marquee offers through campus placement. More than 95% of the B.Tech IT students are placed in reputed IT companies every year. The Department also encourages the students to do projects, presentation on technical papers, attending technical workshops, sports and cultural activities. The department has competent faculty with rich industry, research and academic experience. The department has MoU with reputed IT industries.

OUR VISION:

To nurture as globally recognizable department in imparting the students high quality education and providing high confidence, unique knowledge and research experience in the field of networking, cyber security, forensics, information technology, cognitive computing and IoT.

OUR MISSION:

To provide world class IT professionals with appropriate industry and research based curriculum
To train the students in such a way that it leads to entrepreneurship and develop societal need based industries
To nourish the students as socially responsible professionals by providing them training in personality development, ethics and leadership.

About the STTP

- ❖ To enable multiple actors for building a robust machine learning model without data sharing.
- ❖ To address sensitive issues such as data privacy, data security, data access rights and access to heterogeneous data.
- ❖ To learn popular federated machine learning models of Centralized, Decentralized and Heterogeneous models.
- ❖ To get future research insights on various federated machine learning vertical domains.

Sessions of coverage

- ❖ Overview of Supervised and Unsupervised Machine Learning
- ❖ Introduction to Federated Machine Learning(FML)
- ❖ CNN Learning in FML
- ❖ Hands on Session on How to execute a FML Project
- ❖ Deep Generative Models and Healthcare Systems in FML
- ❖ Implementation of Classification algorithms on different Datasets using FML
- ❖ Support Vector Machines in FML
- ❖ Privacy Preservation of FML
- ❖ Hands Session on FML Tool (Keras)



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Dr. G. Prabhakaran, Vice Principal (Academic)

CONVENER

Dr. Rajeswari Mukesh, Professor & Head / IT

CO-ORDINATORS

Dr. R. Mythili, Assistant Professor (S.G) / IT
Dr. P. Santhosh Kumar, Assistant Professor / IT

Registration Details:

Registration Form Link: <https://forms.gle/ZC4YEkhgC6yge9zw7>

Registration Fees

For ISTE Members Students (UG & PG) / Research Scholar / Faculty **Rs. 650**

Account Details

NAME	:	SRMIST
BANK NAME	:	CITY UNION BANK LIMITED
BRANCH	:	RAMAPURAM, CHENNAI
A/C NO.	:	117109000032971
IFSC CODE	:	CIUB0000517



E-Certificate will be provided by ISTE for all the participants



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