

About the Institute

SRM Institute of Science and Technology (formerly, SRM University) is one of the top ranking universities in India with over 51,000 students and 3,000 faculty members, offering a wide range of Undergraduate, Postgraduate and Doctoral Programs in Engineering, Management, Medicine & Health Sciences, Science & Humanities and Law and Agricultural Sciences. Over the last three decades, SRM IST has set standards in experiential education and knowledge creation across various fields. The institution has reached beyond borders to universities and corporate across India and around the World. There are 4 sprawling campuses in Chennai and one near New Delhi spread across 250 acres with all facilities.

During January 2011, SRM IST had conducted 98th Indian Science Congress inaugurated by then Prime Minister Dr. Manmohan Singh and 7,000 delegates from India and abroad, including six Nobel Laureates and several eminent scientists from across the world attended the conference. SRM IST is the first private University in India to launch a nano-satellite, named SRMSAT, into space, on board the PSLV-C18 from Sriharikota on October 12, 2011. SRMIST is accredited by NAAC with 'A' Grade. SRM IST is rated as 'Four Star' Institute by the International Ranking Agency QS, UK with 'Five Star' Ratings in Teaching Learning, Employability and Inclusiveness. B.Tech Electronics and Communication Engineering program of Kattankulathur Campus of SRM IST is accredited by EAC of ABET. www.abet.org

About the Department

The Department of Electronics and Communication Engineering (ECE) was established in the year 1991-92 with an undergraduate program under the affiliation of University of Madras. The

Department offers one UG Program, three PG programs and Doctoral Program. The Department is housed with adequate number of spacious lecture rooms and has 18 well equipped and furnished laboratories. The department has ample resources in computing equipment, including Personal computers running the full suite of Cadence, OrCAD, MATLAB, Network Simulation software and Optisystem. It has USRP-RIO SDR Hardware, Vector Signal Generator & Analyser, Network Analyser and ADS & HFSS tools.

The department has strong collaboration with industries such as Central Electronics Engineering Research Institute (CEERI), Nuvoton Technology Corporation, Taiwan and ALTERA. The Department has received funds from AICTE twice under MODROBS (Modernization and Removal of Obsolescence) scheme and one under the 'Career Award for Young Teacher (CAYT)' scheme. It has also received research grants worth Rs. 50 Lakhs from Department of Science and Technology (DST) under Funds for Improvement of Science and Technology (FIST), in the area of MIMO-OFDM. It includes ADS tools to support RF simulation and hardware development.

About Aakash Research Labs

Team Aakash is an aspiring team from SRM which deals with application development for Aakash tablets and its operating environment. We are a remote lab of IIT, Bombay. Team Aakash has a reputation of creating applications based on android which is both helpful and informative for its users. Ever since this team started functioning multiple innovative projects of vast diversity were attempted and successfully completed, as well as uploaded on the play store. With every app we make, we have one prime focus that, every user has to be benefited by it. Apart from creating applications we also deal with electronics projects as well. Projects like

surveillance bot was successfully carried by our team.

This legacy of creating applications started with our very first app "SRM e-brochure". This app provides all the information from admission details of various streams and courses offered at SRM IST to its users.

After the success of first app we launched another marvel "SRM NanoSAT" app. The main objective of this app was to keep a track on the SRMSAT satellite revolving around the earth in space.

After receiving a lot of appreciation for these two apps we had set our focus with a goal of being the best app developing team in SRM. Till date we have created and launched apps like Surprise Test app, GPS app, blood donation app, metric converter, Marauder, offline maps, weather app and Comet magazine app.

Now Aakash Research Labs has extended its wings with Six Domains namely Android Development, Web Development, Machine Learning, Electronics and IOT, Graphic Design and Corporate. Various Projects have been developed under these Domains and to highlight a few are,

- Room Temperature Sensor
- Face Detection
- Library App
- Alumni App (In Progress)
- Room Automation
- Brain Tumor Detection

About TEKMUX

TEKMUX is Tech Event organized for College Students. As a part of this event, an outreach programme for School in and around Kattankulathur is conducted as an initiative to make learning enthusiastic and to focus them towards their next carrier step with advanced Technologies.

TEKMUX is a combination of Technical Events which covers Machine Learning Event, Web Development Event and Android Event along with the Non-Technical Events for Students who are interested in other Multiple Fields.

We have also Electronics Hackathon, the only Hackathon in field of Electronics through which participants can compete with each other and can build some Useful Projects.

Target Participants

- School Students and Diploma Students.
- College Students for Technical and Non-Technical events and Elekthon (Electronics Hackathon).

Patrons

Dr. T.R. Parivendhar, *Founder Chancellor*
Mr. Ravi Pachamoothoo, *Chairman*
Dr. P. Sathyanarayanan, *President*
Dr. R. Shivakumar, *Vice-President*

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Mrs.A.Vinnarasi
Mr.Ananda Venkatesan

Convener & Coordinator

Dr. S. Malarvizhi
Mrs. S.V. Suryakala

Dates

Date of Event : 17-18 August, 2018



TEKMUX 2018
Organized by
Aakash Research Labs
August 17-18, 2018

Organized by
Department of
Electronics and Communication Engineering



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