

PROGRAMME CONTENT

- Introduction to cubesat and LEO satellites.
- Link budget preparation for cubesat.
- Smart antenna design with EM Simulators.
- Patch, Fractal and Dipole version of antenna suitable for cubesat applications.
- Hands on training on cubesat antenna's characterization.
- Experimental results on a sample antenna.
- EMI/EMC tests for space grade antenna suitable for cubesat Applications.
- Hands on training on HFSS.
- Research areas and SCI journals in cubesat antenna design.
- Industrial visit.

RESOURCE PERSONS

Sessions will be handled by experts from space industries and academia.

REGISTRATION DETAILS

- There is No Registration Fee.
- Preference will be given to young and dynamic persons, who are working in AICTE approved college and industries.
- Selection will be made on the First come First serve basis.
- Selected Candidates will be intimated through e-mail only.
- If selected, Candidates should attend the training program in full period.
- Tea and Lunch will be provided for the registered participant.
- TA: II class train ticket to and fro will be provided for the participants.
- Accommodation may be provided on demand for outstation candidates in the College hostels, subject to availability.
- Certificates will be issued to the participants, who attend the program.
- Participant should submit the filled-in registration form (forwarded by the Head of the Institution) to the address provided either through courier or mail, on or before **25.10.2019**.
- Soft Copy of the filled in Application can also be emailed to sttpece@sairamit.edu.in.

IMPORTANT DATES

Submission of Application	:	25.10.2019
Intimation of Selection	:	28.10.2019
Confirmation by Participants	:	29.10.2019

Sairam
INSTITUTIONS



Patrons

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www.sairamgroup.in



SIX DAYS

AICTE sponsored

SHORT TERM TRAINING PROGRAMME (STTP)

ON

**RESEARCH AREAS IN SMART ANTENNA
DESIGN FOR CUBESAT APPLICATIONS**

31.10.2019 – 06.11.2019

organized by



Department of Electronics & Communication Engineering

Sri SAI RAM INSTITUTE OF TECHNOLOGY

Accredited by NBA and NAAC "A+" | An ISO 9001:2015 Certified and MHRD NIRF ranked institution

Sai Leo Nagar, West Tambaram, Chennai - 600 044, Tamil Nadu, India

www.sairamit.edu.in



ABOUT THE INSTITUTION

Sri Sai Ram Institute of Technology is affiliated to Anna University and approved by AICTE, New Delhi, has begun its successful journey in the year 2008. This prestigious institution has been pioneered by a great Philanthropist, MJF.Ln. LEO MUTHU, Managing Director of LEO GROUP OF COMPANIES in the name of "SAPTHAGIRI EDUCATIONAL TRUST" at Sai Leo Nagar, near Tambaram in Chennai. It is one of the premier institutions in Tamil Nadu, which sustains its high standard through quality education. Through high intention and sincere effort, the Institution has earned ISO 9001:2015 Certification from Bureau Veritas Quality International. Besides, the institution has been accredited with "A+" grade with the CGPA of 3.30 by the Executive Committee of NAAC and in addition, five departments (CSE, MECH, IT, EEE, ECE) have been accredited for 3 years by the NBA Expert Team. The institution has also reached 194th position amongst the top 200 Engineering Institutions (all over India) in the National Institutional Ranking Frame work (NIRF) by the Ministry of Human Resource and Development, Govt. of India. In addition, the college has ranked "Third" for maintaining, promoting and encouraging the culture of "SWACHH CAMPUS RANKING 2018, conducted by Ministry of HRD, Government of India.

Currently, this prestigious institution has six departments in UG (CIVIL, CSE, EEE, ECE, MECH and IT) and two PG courses: M.E-INDUSTRIAL SAFETY ENGINEERING and MBA with the fanatical Teaching and Non - Teaching staff. Moreover, the institution provides an excellent mode of teaching-learning process; hence, from the academic year 2011 – 12, the institution has incredibly produced 299 University rank holders including two Gold medals and in the academic year 2017-18 alone, the students have won 60 University ranks. Apart from this, the institution has a good record of placement and nearly 90% of the students are placed every year in leading companies. In addition, the Alumni are in key roles in MNCs and Research organizations, like Mercedes R&D, Hyundai R&D, Intel, Qualcomm, Alcatel, Adobe, Ashok Leyland, TVS Lucas, Mahindra & Mahindra, Mindtree, TCS, Cognizant, Capgemini, WIPRO etc., Additionally, the institution also encourages the budding entrepreneurs to set new forum of business through Innovation and Entrepreneurship Development Centre, which is funded by Department of Science and Technology. MHRD's Institute Innovation Cell is very much active in the campus and the Institute has been awarded for its

remarkable contribution in Innovative projects by MHRD. Hence, stand by its words, the institution with its vitalizing faculty members and energetic students work tirelessly to stand out to be better than every past and never compromise on the quality of education in the forth coming years too.

ABOUT THE DEPARTMENT

This department of ECE consistently producing University rank holder including gold medal, with good academic and placement records .The alumni of ECE are placed across the globe in top notch companies and Research organizations like MERCEDEZ R&D,HUNDAI R&D SAMEER, HCL, ADOBE, INTEL, QUALCOMM, ALCATEL etc. Further Alumni are pursuing their Higher studies at IIT, NIT, IIIT, BITS, NTU, NIS and almost all the universities of USA, Canada and UK.

DEPARTMENT VISION

To become a leading department of excellence in academic and research imparting high quality technical education in Electronics and Communication Engineering through international standards and making our students technologically superior and ethically strong to serve the society and mankind.

DEPARTMENT MISSION

To create an inspiring environment that shall enhance the growth of innovative research professional excellences who can contribute to the society and mankind, ethical and societal values through life-long learning.

STTP OBJECTIVE

In the resent years, there is a tremendous growth of Smart Antenna application in various fields of communication like cellular and wireless network, Rotorcraft, Ad Hoc Networks, Satellite/digital radio astronomy and macro cellular Base Stations. So, it is always challenging to design smart antenna for telemetry, tracking and control, high-speed data downlink, radars, navigation and remote sensing, intersatellite link.

This STTP is devoted to recent advancements and research outcomes for addressing the practical aspects. Apart from that This STTP will provide ample opportunities to flourish the knowledge and pursue research in antenna for cubesat applications.

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SHORT TERM TRAINING PROGRAMME (STTP) ON RESEARCH AREAS IN SMART ANTENNA DESIGN FOR CUBESAT APPLICATIONS

31.10.2019 – 06.11.2019

REGISTRATION FORM

Name :
Gender :
Qualification :
Designation :
Institution / Industry :
Mailing Address :
Phone(Mobile) :
E-mail address :
Experience(Years) :
a)Teaching :
b)Research/Industry :
Accommodation required : YES / NO

Signature of the Applicant

DECLARATION

Dr/Mr/Mrs..... is a employee of our institution/industry and is sponsored to attend the AICTE sponsored STTP conducted by Sri Sairam Institute of Technology, Chennai on

Signature of Authority with seal