Society for Applied Microwave Electronics Engineering & Research
SAMEER-Centre for Electromagnetics,
CIT Campus, Taramani, Chennai -600113

Circular No: SCEM / PG students /2018-2019/01 Date: 26th June 2018

Sub: M.E / M. Tech / M.S. by research Students Projects

About SAMEER- CEM

Society for Applied Microwave Electronics Engineering & Research (SAMEER) is an autonomous Research & Development Institute under Ministry of Electronics & Information Technology, Government of India. The Centre for Electromagnetics, Chennai (SAMEER-CEM) has been involved in the design, development, consultancy and testing activities in the areas of Electromagnetic Interference and Compatibility(EMI/EMC), Antennas, Communication Systems, DSP and Electronic Packaging.SAMEER, Chennai offers opportunity to final year students of M. E. / M. Tech/ M.S. by researchto do their academic projectsfor the period of Six months to one year in limited numbers.

Areas of expertise

SAMEER, Chennai offers opportunity to final year students of M. E. / M. Tech/ M.S. by research for the period of six months to one yearin limited numbers to do their academic projects in the following areas of expertise.

SAMEER-CEMis a Centre of Excellence in the field of Electromagnetic Interference and Compatibility (EMI/EMC) in the country. As a leading National laboratory in the area of EMI / EMC, SAMEER-CEM is providing Electromagnetic Compatibility test and calibration services to large number of Indian electronic industries in compliance with ISO/IEC 17025:2005. There are test laboratories in the areas of Civilian and MIL-Std testing to address Conducted Susceptibility (CS), Conducted Emission (CE), Radiated Emission (RE) and Radiated Susceptibility (RS). In addition, Calibration laboratory offers its services to customers by calibrating EMC equipment and accessories.

SAMEER is engaged in the design and development of RF/Microwave /digital communication systems and Antennas. It involves in the design and development of communication systems, Algorithms and Simulation, Antennas, RF circuit, FPGA/controller based design, ADC/DAC and micro-controller based PCB design, micro-controller programming, VHDL/Verilog programming, etc.

SAMEER is engaged in the design and analysis of cooling requirements of electronics systems such as heatsink, fan, and vent etc. using CFD tool. It is further equipped with test and measurement facilities such as Airflow simulation chamber with pressure and flow measurement devices, Infrared thermal Imaging system and thermocouples with Data Logger.

Eligibility:

1. Students holding their Bachelor Degree in Electronics and communication Engineering with good academic record and currently pursuing M.E. / M. Tech. / M.S by research with specialization in Communication systems, RF / Microwaves, Applied Electronics, Wireless systems, digital, VLSI Design from a reputed institution.

2. Students holding their Bachelor Degree in Mechanical Engineering with good academic record and currently pursuing M.E. / M. Tech. / M.S by research in thermal engineering and allied areas such as R & AC, IC Engine, Energy from a reputed institution.

How to apply:

The interested students are requested to apply in the prescribed form, completed in all aspects duly approved by the Principal / Head of the Department. Scanned copy of the duly filled application should be sent to dhanush.sameer@nic.in with subject ME/ M. Tech/M.S. students Projects.

General terms and conditions:

a. The application, in the prescribed form, completed in all aspects by the applicants and duly approved by the Principal / Head of the Department should be forwarded to dhanush.sameer@nic.in
b. Only Indian Nationals are eligible to apply.
c. All qualifications should be recognized by AICTE / appropriate Indian statutory authority.
d. Maximum duration allowed for the project is 12 months for M.E/M.Tech/ M.S by research.
e. Decision on the acceptance/rejection of the application will be communicated to the student.
f. The number of students admitted for projects may vary due to facility constraints. It is the prerogative of SAMEER to accept/reject the application for Project Work.
g. In case of selection, students will have to make their own arrangement for travel and accommodation.
h. The student(s) shall have no claim whatsoever on the results of the project work. SAMEER retains all intellectual property rights in patents, designs, software, copyright and publications, if any, that may be generated during the course of project work.
i. The college ID of the applicant along with copy must be produced for verification.
j. The students should strictly follow all Security Rules & guidelines while in the campus.
k. The Project Guide in SAMEER will be the Reporting Officer for the Students, during their Project Work.
l. The project work should be completed within the stipulated period and no further extension is permitted.