SCMS - 43 years of academic excellence

B.Tech | M.Tech | Ph.D
from
SCMS GROUP

Accredited by NAAC • Approved by AICTE, Government of India • Affiliated to A P J Abdul Kalam Technological University, Kerala.
• Certified for quality teaching under ISO 9001:2015 by RINA, Italy.

B.Tech • Automobile Engg. • Civil Engg.
• Computer Science & Engg. • Electrical & Electronics Engg.
• Electronics & Communication Engg. • Mechanical Engg.

M.Tech • CE - Computer Aided Structural Engg.
• CE - Environmental Engg. • CSE - Computer Science & Information System
• ECE - VLSI & Embedded Systems Engg. • ECE - Communication Engg.
• ME - Production & Industrial Engg.

Ph.D • Computer Science and Engg. • Mechanical Engg.
• Electronics & Communication Engg.

SSET | ADMISSION BROCHURE | 2019-20

SCMS School of Engineering & Technology
Vidya Nagar, Karukutty, Ernakulam - 683 576.
Tel: 91 4842882900 / 901, 2450330
Principal: 91 484 2450507, Fax: 91 484 2450508,
Hostel: (Men’s) 91-484 2450604, (Ladies‘): 91-484 2450603
Website: www.scmsgroup.org/sset

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Dr. Pradeep P. Thevannoor, the late Vice Chairman of SCMS Group, was a great visionary and a source of inspiration for all of us at SCMS Group. He worked relentlessly to take SCMS to great heights in quality and excellence. A man of fertile imagination and untiring energy, he was in a hurry to accomplish his pet projects. SCMS School of Engineering & Technology was closest to his heart. He was also the guiding force and inspiration behind SCMS School of Architecture, SCMS Water Institute, SCMS Institute of Bioscience and Biotechnology Research and Development; and projects like the now-famous Neera, biofuel from coconut oil, the anti-diabetic tea powder ‘Stevia Tea’ and a host of other ventures. The research & development of these products were inspired and initiated by him. He travelled widely, to spread the wings of SCMS around the globe, however, his unfinished mission was the establishment of academic institutions in London and Bangalore. He passed away in a car accident when he was on his way to Bangalore, for a project evaluation on 17.11.2014. True to his nature, he lived for SCMS and died for it.
The year 1976 saw the birth of a luminous star of learning on the educational horizon. The star later blazed a trail across the Indian skies, guiding thousands of students to scale the heights of success in their careers, professions and enterprises. Today, the beacon stands tall on massive pillars, having stamped indelible imprints on the glorious academic traditions of India.

This is the story of PRATHAP FOUNDATION FOR EDUCATION AND TRAINING, the brainchild of the great visionary, Dr. G.P.C. Nayar, who redefined educational standards by shaping it as a window to the emerging market-driven global economy.

The Foundation started its first academic institution, School of Communication and Management Studies (SCMS), in 1976. Since then, SCMS made great strides in the field of education and earned an unparalleled reputation as a premier B-school. It was rechristened SCMS COCHIN SCHOOL OF BUSINESS in the year 2013. Over the years, the Foundation established premier institutions in different locations, under the umbrella name SCMS Group of Educational Institutions, offering courses in Engineering, Technology, Architecture, Management, Commerce, Economics, Biotechnology, Water Research, etc.
Leadership & Excellence

The key functionaries of the core team

Dr. G P C Nayar, Chairman

Prof. Pramod P Thevannoor, Vice Chairman
Dr. Radha Thevannoor, Registrar & Group Director
Dr. Indu Nair, Group Director

Prof. Baiju Radhakrishnan, Group Director
Prof. S Gopakumar, Group Director

VISION
To be a leader in providing value-based education in harmony with the changing global order.

MISSION
To offer technology related education of exceptional quality to students by developing their total personality with due emphasis on ethical values and preparing them to meet the growing challenges of the industry and human society.
FROM THE DIRECTOR’S DESK

SCMS School of Engineering & Technology (SSET) was set up in the year 2001 as a pioneering institution with a distinct philosophy of education that prepares young minds to become future leaders, equipped with conceptual, technical, design and human skills. In its pursuit of excellence, SSET perceives quality education as its first priority.

Our campus is set in a beautiful landscape with a spectacular ambience for education. SSET provides the best infrastructural facilities with state-of-the-art technology. Our Library is one of the best in the state. Committed and dedicated faculty with rich and diversified experience in teaching, research and the corporate world, make learning experience in classroom enjoyable and memorable. Seminars, Workshops, Conferences and Management Development Programmes are organized to upgrade knowledge and skills of our students.

It is my pleasure to extend a warm welcome to you to SSET and I would be delighted to be involved in the value-based education of your child.

Prof. S Gopakumar, Director

FROM THE PRINCIPAL’S DESK

SCMS School of Engineering & Technology is a technological institute of national repute, providing quality education to students from all strata of society. SSET was established with a vision to be a centre of excellence in providing technical education. SSET provides a conducive learning environment to nurture intellectual brilliance and ethical excellence. SSET students are motivated and guided by a strong team of faculty members, who instil in them a positive value system that shapes their attitude, outlook and conduct.

SSET has state-of-the-art infrastructure facilities including a learning resource centre, specialized laboratories and sports facilities. The institute provides a platform for the students to pursue their research interests and translate innovative ideas into prototypes. SSET students have an enriching experience being a part of various tech cells, student chapters and clubs and have won accolades in various platforms.

I am confident that SSET, with its rich legacy, will continue to create world class engineers, good human beings and worthy citizens.

Dr Praveensal C J, Principal
SSET has been ranked as the Best Engineering College in Kerala

- Ranked No. 5 among Outstanding Engineering Colleges of Excellence in India by Competition Success Review in CSR-GHRDC Engineering Colleges Survey 2018.
- All India Ranking No. 30 among Private Engineering Colleges in India - “National Ranking Top Engineering Institutes of India 2018” by Digital Learning India.
- Ranked No. 46 among India’s Best Private T - Schools in a survey conducted in 2018 by DataQuest.
- All India Ranking No. 48 among Private Engineering Colleges and No.1 Private Engineering College in Kerala - India Today 04.06.2018
- Ranked No. 49 among all Engineering Colleges (Govt. & Private) in India in the survey conducted by Times - i3RC “Top 150 Engineering Institute Rankings” Survey 2018.
- Ranked No. 77 among India’s Top Private Engineering colleges in survey conducted by Education World (Refer May 2018 issue)
- All India Ranking No.81 among Top 100 Engineering Colleges in the annual survey conducted by The Outlook (Refer issue dated 04.06.2018.)

Preferred College

- SCMS Engineering College is the preferred Private Engineering College in Kerala for students and parents at the time of counseling conducted by the Entrance Commissioner - reports various media including 'The Hindu' and the ‘Malayala Manorama’.

Feedback from parents

"I have good opinion about the facilities and the quality of teaching system at SSET. I am glad and satisfied for having chosen SCMS School of Engineering & Technology for enrolling my son for his studies.”
- B. Mohanan, Sree Nilayam

"We are pleasantly surprised about your institute for the exemplary facilities, faculty, discipline and the management skills imparted in its making and maintenance. The fact that our only son stays in your hostel, about 2500 km away from us, stands as testimony to the extent of faith we have reposed in your team.”
- P.M. Chandran, F/o Gokul Chandran, 783, First Floor, Phase VII, S.A.S. Nagar, Mohali.

Alumni Association of SCMS School of Engineering & Technology (ASSET)

SSET has a strong community of successful and influential alumni who organize alumni association activities in major cities of India. They are the ambassadors of the institution and are a source of pride to SSET. They are supportive and helpful to the students of SSET.

Chapter Abroad

A large number of our former students work in West Asian countries. A substantial number of them are in United Arab Emirates, particularly in Dubai and Abu Dhabi. Every year, the alumni and their family attend Alumni Meetings and get to meet each other as well as faculty members from SSET.
What makes SSET DIFFERENT?

- Excellent academic ambience
- State-of-the-art infrastructural facilities
- Dynamic leadership with a clear vision and mission
- Dedicated and highly motivated team of faculty
- A fine blend of experienced as well as dynamic youth as faculty
- In-house faculty development programmes conducted regularly for benefit of faculty, in addition to being deputed to universities in India and abroad.
- ISO Certification for quality teaching of Engineering and Technology subjects from RINA, Italy
- A highly disciplined environment for academic pursuits
- Value-added courses offered to students
- Formation of Neo Xanonet, Nano Technology Club of SSET, to study and practice the various aspects of nano technology in engineering applications
- Innovation and Entrepreneurship Development Centre (IEDC) formed in the college for promoting entrepreneurship among the engineering students with the guidance of Kerala Start up Mission
- Innovative management tool ‘Strategic Planning Process’ practiced for the development of the institution
- Community services like computer literacy for residents of nearby villages by National Service Scheme of SSET
- Social commitment reflected in scholarships and tuition fee waiver schemes for academically brilliant, economically backward students
- Open House - Interaction of faculty, parents and students held every semester, to assess learning difficulties in students, and chalk out remedial programmes to improve their performance
- Excellent academic track record of students in university examinations (SSET students have been University rank holders in each and every batch and branch, right from Batch 1)
- MoU with major IT Industries
- Consultancy services for Government organizations
- Excellent track record in placement since 2005
- M/s Infosys, after evaluating the performance of ‘Campus Connect’ activities in the college, selected our college as ‘Advanced Partner’

OUR GRADUATE ATTRIBUTES

We aim to foster these attributes in our students:

- Strong knowledge base in Engineering
- In-depth knowledge in field of specialisation
- Problem Solving Skills
- Skill to investigate Engineering Problems
- Designing Solutions
- Utilize Modern Tools
- Individual and Team Work
- Inter Personal and Communication Skills
- Professionalism
- Safeguarding Environment and Society
- Ethical Values
- Lifelong Learning
To create a pool of strong, industry-ready talent from among the Engineering Students and to bridge the gap between industry requirements and academic skills, we have MoU with:

- TVS-HarithaTechserv
- Wipro Technologies
- Infosys “Campus Connect” Programme
- Trident Tech Labs
- IBM Power Academy
- Central Institute of Brackishwater Aquaculture (CIBA), Chennai
- Red Hat India Pvt Ltd
- Eduvance
- UST Global
- Carborundum Universal Limited
- TELK

**Programmes Offered**

**B.Tech.**
- Civil Engineering - 120 seats
- Mechanical Engineering - 120 seats
- Electronics & Communication Engineering - 90 seats
- Electrical and Electronics Engineering - 60 seats
- Computer Science & Engineering - 120 seats
- Automobile Engineering - 60 seats

**M.Tech.**
- Civil Engineering - Computer Aided Structural Engineering - 18 seats
- Civil Engineering - Environmental Engineering - 24 seats
- Mechanical Engineering - Production and Industrial Engineering - 18 seats
- Computer Science - Computer Science and Information System - 18 seats

**Ph.D**
- Full time and Part time
  - Computer Science and Engineering
  - Mechanical Engineering
  - Electronics and Communication Engineering

**Industry-Institute Interface**

Mr. Brian Gaal, Technical Director, ARCOS Industries and Mr Prasad S Panicker, Executive Director, BPCL Kochi Refineries at a seminar jointly organised by SCMS

Ms. Erin Dolan, Programme Coordinator, ASME, USA, interacting with students during the 2nd Anniversary of ASME SSET Chapter

Mr. Muralidharan Gopi Ramesh from Nissan Motors India giving a talk in SSET

Dr. C. G. Nandakumar, Structural Consultant and retired professor, Dept of Ship Technology, CUSAT, delivering a talk on numerical techniques
SCMS School of Engineering and Technology has tie ups with 18 International Universities and Research Centres, for student and faculty exchange and research collaborations. Rapid globalization makes it important for an educational institution to engage with international institutions from diverse cultures and encourage exchange of ideas and technical know-how. International tie-ups provide a world of opportunities to students as well as faculty. Anticipating that international alliances would be essential in a globalized world, SCMS Management has been taking proactive steps since the nineties, in initiating and nurturing global partnerships and has inked a Memorandum of Understanding with several Institutions in 12 countries.

### International Academic and Research Collaborations

SCMS School of Engineering and Technology has established partnerships with outstanding institutions across the globe to expand the student experience, faculty growth, and the impact of research. The collaborating Universities/Organizations are:

<table>
<thead>
<tr>
<th>Country</th>
<th>University/Organization</th>
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<tbody>
<tr>
<td>Germany</td>
<td>University of Applied Sciences, Ravensburg-Weingarten</td>
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<td>Furtwangen University</td>
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<td>Nivus GmbH</td>
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<td>LimCo GmbH</td>
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<td>Japan</td>
<td>Shimane University</td>
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<td>Japan University of Economics</td>
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<td>Vietnam</td>
<td>Ho Chi Minh City University of Economics and Finance (UEF), FPT University</td>
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<tr>
<td>Bangladesh</td>
<td>Daffodils International University</td>
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<td>Belgium</td>
<td>Vrije Universiteit Brussel</td>
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<td>Bulgaria</td>
<td>Technical University Varna</td>
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<td>Costa Rica</td>
<td>Earth University</td>
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<td>Malaysia</td>
<td>Lincoln University</td>
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<td>Switzerland</td>
<td>University of Applied Sciences Northwestern</td>
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<td>Taiwan</td>
<td>Hung Kuang University</td>
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<td>UK</td>
<td>University of Derby</td>
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<td>USA</td>
<td>Wilmington University</td>
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Memorandum of Understanding signed and collaborations agreed upon...

**UNIVERSITY OF APPLIED SCIENCES RAVENSBURG-WEINGARTEN, GERMANY**

Chairman Dr. G P C Nayar and late Vice Chairman Dr. Pradeep P Thevannoor with delegates from University of Applied Sciences Ravensburg-Weingarten before the signing of MoU

Scope of MoU: Student and Faculty Exchange Programmes, Development of Centre of Excellence in Water Technology, Research Collaboration in Environmental Engineering.

**SHIMANE UNIVERSITY, JAPAN**

SCMS Vice Chairman Prof. Pramod P Thevannoor and President of Shimane University Mr. Yasunano Hattori with delegates from both institutions

Scope of MoU: Student and Faculty Exchange Programmes, Internship opportunities for SCMS students, Research Collaboration in Robotics, Environmental Engineering, Computer Security and other Engineering disciplines.

**HUNG KUANG UNIVERSITY, TAIWAN**

SCMS Vice Chairman Prof. Pramod P Thevannoor and Dr. Laura Huang, President Hung Kuang University with delegates from both institutions

Scope of MoU: Collaboration in Research Projects such as IoT enabled Flood Detection Systems and Underwater Unmanned Aerial Vehicles, opportunities for Short Term Internships and Master’s Degree Programmes at Hung Kuang University for SCMS students.

**FPT UNIVERSITY, VIETNAM**

SCMS Vice Chairman Prof. Pramod P Thevannoor with Prof. Tran Ngoc Tuan, Rector, FPT University, after the MoU signing

Scope of MoU: Cooperation in Student and Faculty Exchange Programmes, Joint Research Publications, Research Collaborations in areas of Software Engineering, Management and Information Technology.

**DAFFODIL INTERNATIONAL UNIVERSITY, BANGLADESH**

SCMS Vice Chairman Prof. Pramod P Thevannoor and Dr. Yousuf Mahbubul Islam, Vice Chancellor, Daffodil International University (DIU) with delegates from both institutions

Scope of MoU: Collaboration in Student Internship opportunities for students from DIU at Center for Robotics and Department of Computer Science and Engineering, SSET, Faculty Exchange Programme and Research Collaboration.

**LINCOLN UNIVERSITY COLLEGE, MALAYSIA**

SCMS Vice Chairman Prof. Pramod P Thevannoor after signing the MoU with Dr Amiya Bhaumik, Vice Chancellor, Lincoln University College, Malaysia

Scope of MoU: Student and Faculty Exchange Programmes, Short Term Internship Programmes for students from SSET at LUC, Research Collaboration in Robotics and Internet of Things and Cyber Security.
SSET students have the unique opportunity to pursue internships in foreign universities. With the world shrinking into a global village, there is a greater need for exposure to international work culture in order to enrich one’s career prospects. Exposure to a new country and culture always provides a new perspective and enhances personal growth. It is a great confidence booster, helps gain transferable skills, improves language proficiency, gives an opportunity to network with people from another part of the world and makes you stand out while applying for a job. Even as the unemployability of graduate engineers is a matter of grave concern, engineering graduates from SCMS benefit from such an international experience.

**INTERNATIONAL INTERNSHIP OPPORTUNITIES FOR B.TECH STUDENTS...**

At Shimane University, Japan

At LimCo GmbH, Germany

with founder of Ruby Programming Language, Yukihiro Matsumoto, in Japan

Students from University of Applied Sciences Ravensburg-Weingarten explaining Electrodeionisation to H.E. Jörn Rohde, Consul General of Germany at SSET

at Shimane University, Japan

at University of Applied Sciences, Ravensburg-Weingarten, Germany

**INTERNATIONAL RESEARCH OPPORTUNITIES FOR M.TECH ENVIRONMENTAL ENGINEERING STUDENTS...**
B.Tech programmes are of 4 year duration and are approved by AICTE and affiliated to A P J Abdul Kalam Technological University, Kerala.

ELIGIBILITY
In order to become eligible for admission to B.Tech degree programme, a candidate should have
i. 50% marks in the aggregate for Mathematics, Physics and Chemistry group and a minimum of 50% separately for Mathematics in the qualifying examination.
ii. Valid rank in Kerala State Engineering Entrance Test.
iii. Applicant should have completed 17 years of age on or before 31st December 2018.

NRI CANDIDATES
For admission to seats earmarked for NRI candidates, entrance examination is not compulsory, though welcomed. Here again, merit is the basic criterion for admission.

How to Apply
50% of seats are earmarked to be filled through Centralized Allotment Process by the Commissioner of Entrance Examination. The code to opt for SSET is SCM.

50% of the seats are filled up through Management Quota (including NRI quota). The Application Form can be filled up online at www.scmsgroup.org.sset

Contact us for any clarification with regard to application and admission: Tel : 0484 2628000; 85938 28000 Email : admissions@scmsgroup.org

Fee for the programme
As specified in the Agreement with the Government of Kerala or as prescribed by the Fee Regulatory Committee.

Facilities:
Hostel: Separate hostels for men and women are available on campus. There is a separate hostel for first year male students.

Transport: A fleet of 22 college buses ply to Thoppumpadi, Tripunithura, Kakkanad, Ernakulam, Kodungallur, Perumbavoor and Thrissur and covers all the pick-up points in the city. Separate college buses are provided for first year students.

Canteen: SCMS canteen is known for its freshly and hygienically prepared delicious food at a reasonable price. The canteen serves both vegetarian and non-vegetarian items. The canteen timings are staggered for first and senior years so that the new students are free to move in the campus.
ELIGIBILITY

A degree in relevant subjects with minimum of 60% marks is essential to apply. Candidates having a valid GATE score and a DTE rank will have preference over non-GATE candidates and candidates without a DTE rank.

CURRICULUM

Course of study is spread over a period of two academic years under semester system. The curriculum is as prescribed by the university. As part of the requirements of the programme, candidates undergo industrial training during the third semester and undertake a project work during the fourth semester. Separate reports will have to be submitted by the student on completion of the Mini Project and the project work at the end of the respective semesters. More details will be provided separately.

HOW TO APPLY

Apply online by visiting our website www.scmsgroup.org/sset

SELECTION PROCESS

Selection to M.Tech programme is based on performance in interview and academic performance in the qualifying examination. Merit is the only criterion for selection.
### AUTOMOBILE ENGINEERING

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<th>NAME</th>
<th>DESIGNATION QUALIFICATION</th>
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<tbody>
<tr>
<td>Dr. MANOJ KUMAR B</td>
<td>Assoc. Professor M.Tech., Ph.D. &amp; HOD</td>
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### MECHANICAL ENGINEERING

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<tr>
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<tbody>
<tr>
<td>DR. PRAVEENSA C.J.</td>
<td>Principal M.Tech., Ph.D., MBA</td>
</tr>
<tr>
<td>Dr. E.M. SOMASEKHARAN NAIR</td>
<td>Professor Emeritus M.Tech., Ph.D.</td>
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<tr>
<td>Dr. VENU P.</td>
<td>Professor, HoD M.Tech., Ph.D. &amp; Dean-Student Affairs,</td>
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<tr>
<td>Dr. MAHESA RENGARAJ</td>
<td>Professor M.Tech., Ph.D., MBA</td>
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<tr>
<td>Dr. SHEEJA JANARDHANAN</td>
<td>Professor M.Tech., Ph.D., IIT M</td>
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<td>MANOJ JOSE KALATHIL</td>
<td>Asst. Professor M.Tech.</td>
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<td>FRANCIS THOMAS</td>
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<td>JOSE SHERIL D’COTHA</td>
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<td>NIHIL ASOK N.</td>
<td>Asst. Professor M.Tech.</td>
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<td>RAKESH A.</td>
<td>Asst. Professor M.E.</td>
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<td>JENSON JOSEPH E.</td>
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<td>SAM JOSHY</td>
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<td>VIDYA CHANDRAN</td>
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<td>NOEL JOSEPH GOMEZ</td>
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<td>SAJITH E.</td>
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<td>JITHIN KARUNAN M. P.</td>
<td>Asst. Professor M.Tech.</td>
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<td>VISHNU H.</td>
<td>Asst. Professor M.Tech.</td>
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<td>R. SUIJTH</td>
<td>Asst. Professor M.Tech.</td>
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<td>BICHU RAJ</td>
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<td>SANJU A. C.</td>
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<td>SANJOV VARGHESE</td>
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<td>BALU R. NAIR</td>
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<td>AJIT KUMAR R.</td>
<td>Asst. Professor M.Tech.</td>
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<td>T M ANUPKUMAR</td>
<td>Asst. Professor M.Tech.</td>
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<td>DHANESH S</td>
<td>Asst. Professor M.E</td>
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### CIVIL ENGINEERING

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<th>NAME</th>
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<tr>
<td>Dr. ANITHA G. PILLAI</td>
<td>Professor, HoD M.Tech., PhD &amp; Dean-Academic Affairs.</td>
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<tr>
<td>SANJU SREEDHARAN</td>
<td>Assoc. Professor M.Tech.</td>
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<td>SANTHOSH G.</td>
<td>Assoc. Professor M.Tech.</td>
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<td>DR. RATISH MENON</td>
<td>Assoc. Professor M.Tech.</td>
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<td>DR. NISHA L</td>
<td>Assoc. Professor M.Tech. Ph.D</td>
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<tr>
<td>NANDITA MOHAN</td>
<td>Asst. Professor M.Tech.</td>
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<td>AIRIN M. G.</td>
<td>Asst. Professor M.Tech.</td>
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<td>SANDEEP T. N.</td>
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<td>ANAND RAJ</td>
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<td>AISWARIA K.</td>
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<td>TEENU SYRIAC</td>
<td>Asst. Professor M.Tech.</td>
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<td>GEETHU R. BABU</td>
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<td>LAKSHMI PRIYA</td>
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<td>TINA MARIA SUNNY</td>
<td>Asst. Professor M.Tech.</td>
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<td>REMYA Y K</td>
<td>Asst. Professor M.Tech.</td>
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<td>ANNU ANN JACOB</td>
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<td>PARVATHY KRISHNARUCHAR</td>
<td>Asst. Professor M.Tech.</td>
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<td>ANITHA JACOB</td>
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<td>CHELSA MARIAM</td>
<td>Asst. Professor M.Tech.</td>
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<td>MERIN MATHEW</td>
<td>Asst. Professor M.Tech.</td>
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<td>ASWINI J</td>
<td>Asst. Professor M.Tech.</td>
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<td>AMMU BABY</td>
<td>Asst. Professor M.Tech.</td>
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<td>SREEAKASHMY K</td>
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<td>ANVIN SEBASTIN</td>
<td>Asst. Professor M.Tech.</td>
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<td>JERRY ANTO</td>
<td>Asst. Professor M.Tech.</td>
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<td>DEEPU R</td>
<td>Asst. Professor M.Tech.</td>
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<tr>
<td>DEVI SREENIVAS</td>
<td>Asst. Professor M.Tech.</td>
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### EXPERTISE THAT INSPIRES

Quality of an institution is dependent on the quality and commitment of its faculty. The faculty at SSET are selected with great care and include a fine blend of bright youngsters as well as experienced seniors with academic excellence. The faculty are knowledgeable and updated on the latest developments in their respective fields. They believe in the nobility of the profession of teaching and leave no stone unturned in the process of imparting knowledge and maintaining excellence at the campus.
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<tr>
<th>NAME</th>
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<td>DEERAJ A D</td>
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<td>M.Tech</td>
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<tr>
<td>SRUTHY M R</td>
<td>Asst. Professor</td>
<td>M.Tech</td>
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<td>AISWARYA SREEHARI</td>
<td>Asst. Professor</td>
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<td>PRASEEJA A V</td>
<td>Asst. Professor</td>
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<tr>
<td>SAFY RACHEL ARAHAN</td>
<td>Asst. Professor</td>
<td>M.Tech</td>
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<tr>
<td>ELZA ABRAHAM</td>
<td>Asst. Professor</td>
<td>M.Tech</td>
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**ELECTRONICS AND COMMUNICATION ENGINEERING**

Dr. SUNIL JACOB  
Professor & M.Tech., Ph.D.  
Director, SCMS Centre for Robotics

Dr. Saira Joseph  
Assoc. Professor M.Tech. Ph.D. & HoD

ANANDHI V.  
Assoc. Professor M.E

VRINDA S. GOPAL  
Asst. Professor M.Tech.

PRAVEENA S. KAMMATH  
Asst. Professor M.Tech.

DEEPA B.  
Asst. Professor M.Tech.

NITHYA M.  
Asst. Professor M.E

MARY NISHA ALEXANDER  
Asst. Professor M.Tech.

RETTY GEORGE  
Asst. Professor M.Tech.

SREEJA K.A.  
Asst. Professor M.Tech.

REMYA M. R.  
Asst. Professor M.Tech.

AKHILA P. R.  
Asst. Professor M.Tech.

VINOJ P.G.  
Asst. Professor M.Tech.

HAZEL ELSA JOHN  
Asst. Professor M.Tech.

LAKSHMI NAIR M.  
Asst. Professor M.Tech.

JERRY KURIAKOSE  
Asst. Professor M.E

VIJAY A.  
Asst. Professor M.E

UMA N.  
Asst. Professor M.Tech.

DEVIKAA. K.  
Asst. Professor M.Tech.

PARVATHI R.  
Asst. Professor M.Tech.

MARY CATHERIN  
Asst. Professor M.Tech.

PARVATHY M.  
Asst. Professor M.Tech.

PRATHIBHA PILLAI N  
Asst. Professor M.Tech.

MEENU I CHANDRAN  
Asst. Professor M.Tech.

TINI SUSAN ABRAHAM  
Asst. Professor M.Tech.

SRILEKSHMI M.  
Asst. Professor M.Tech.

**ELECTRICAL AND ELECTRONICS ENGINEERING**

DEEPA S.  
Assoc. Professor M.Tech.

REMYA R NAIR  
Asst. Professor M.Tech.

DIVYANATH K.  
Asst. Professor M.Tech.

JAYALAKSHMI S.  
Asst. Professor M.E

BEENA PUTTHILLATH  
Asst. Professor M.Tech.

SHEREENA GAFOOR  
Asst. Professor M.Tech.

LAKSHMI BABU  
Asst. Professor M.Tech.

SREESEYM DIVAKARAN  
Asst. Professor M.E

VARUN JOSE  
Asst. Professor M.Tech.

LAKSHMI C. R.  
Asst. Professor M.Tech.

PRIYA VENUGOPAL  
Asst. Professor M.Tech.

JENIFER ELIZABETH J  
Asst. Professor M.Tech.

SHAEMA LIZBETH MATHEW  
Asst. Professor M.Tech.

REENU BOSE  
Asst. Professor M.Tech.

SUSMI K.M.  
Asst. Professor M.Tech.

**COMPUTER SCIENCE AND ENGINEERING**

Dr. VINOD P.  
Professor, HOD & Dean  
PDF (University of Padua, Italy)  
Research and Publications  
M.Tech, Ph.D

SONAL AYYAPPAN  
Assoc. Professor M.Tech

DR. VARUN G. MENON  
Assoc. Professor M.Tech, MBA, Ph.D

DEEPA K.  
Asst. Professor MCA, MA

DHANYA K. A.  
Asst. Professor M.Tech

GAYATHRY S. WARRIER  
Asst. Professor M.Tech

NISHA S. RAJ  
Asst. Professor M.Tech

JOSNA PHILOMINA  
Asst. Professor M.Tech

SUSMI JACOB  
Asst. Professor M.Tech

DIANA P.G. PERCY  
Asst. Professor M.Tech

ARSHY M.  
Asst. Professor M.E

BINI OMANN  
Asst. Professor M.Tech.

SINDHYA K. NAMBIAR  
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REMYA S.  
Asst. Professor M.Tech

VIJI GOPAL  
Asst. Professor M.E

LITTY KOSHY  
Asst. Professor M.Tech

DEEPSREE VARMA P.  
Asst. Professor M.Tech

NEENEU SEBASTIAN  
Asst. Professor M.Tech

BLESSY ANTONY  
Asst. Professor M.E

JENCY RENA N. M.  
Asst. Professor M.Tech

NIMMI K.  
Asst. Professor M.Tech

SHILPA P.C.  
Asst. Professor M.Tech.

ROSEBELL PAUL  
Asst. Professor M.Tech.

BINU JOHN  
Asst. Professor M.Tech

SONIYA JOSE  
Asst. Professor M.Tech

ASHA S.  
Asst. Professor M.Tech

SREEJA RAJESH  
Asst. Professor M.Tech

**BASIC SCIENCE AND HUMANITIES**

Dr. MINI TOM  
Professor & HoD M.Sc., Ph.D. (Maths)

Dr. SREELEKHA B  
Assoc. Professor M.Sc., B.Ed, M.Phil, Ph.D

SURYA K A  
Asst. Professor M.Sc, Maths&B.Ed

RESHIMA R.  
Asst. Professor M.Sc(Maths)&M.Ed

NUJA M. UNNIKRISHNAN  
Asst. Professor M.Sc (Maths)

SOPHIA CLEETUS  
Asst. Professor M.Sc(Maths), B.Ed

NITTY ROSE AUGUSTINE  
Asst. Professor M.Sc (Maths)

JAIISHA CHACKO  
Asst. Professor M.Sc (Maths)

PREEMA T. S.  
Asst. Professor M.Sc (Maths)

SRUTHI V.  
Asst. Professor M.Sc (Physics)

RESMI N  
Asst. Professor M.Sc (Psychics)

JESNA K. SEBASTIAN  
Asst. Professor M.Sc (Chem.), B.Ed.

JOSHY K. GEORGE  
Asst. Professor M.Sc (Chem.), M.Phil.

Dr. SOBANA MATHEW  
Asst. Professor M.A(Eng), M.Th.

SANTHAMMA P.C.  
Asst. Professor M.A, B.Ed.

JANE THERESA  
Asst. Professor M.A, M.Ed., M.Phil.

SANJU ANNA PETER  
Asst. Professor M.A

SUBBAIYA M.  
Asst. Professor M.A

**Water Institute**

Dr. SUNNY GEORGE  
Director (SWI) M.Sc., Ph.D.

**Visiting/Emeritus Faculty**

Prof. JOHANNES FRITSCH  
International Coordinator, University of Applied Sciences

Dr. JOHN THARAKAN  
Professor, Dept. of Chemical Engineering, Howard University, USA

Prof. CLEO PASCAL  
Associate Fellow Royal Institute of International Affairs, UK

Prof. T. KRISHNAKUMAR  
Dr. K. P. OUSEPH IPS  
Mr. SABU G. PANIKER
WORKSHOPS/ LABS

Electrical Machines Lab

Automobile Workshop

Automobile Workshop

The new generation automated product development framework

3D Printer (Mechanical Lab)

FMS lab

CNC Machine

FAB Lab
The Hydraulics Lab is equipped with Pelton Turbine, Francis Turbine, Orifice and Mouth Piece Apparatus, Notch Apparatus, Pipe Friction Apparatus, Impact of Jet Apparatus, Ventury Meter and Orifice Meter Apparatus, Metacentric Height of Ship Apparatus etc. The turbines at the lab are installed in the conventional way. This gives a real world experience to the students with the experiments on Pelton and Francis Turbine.

SSET has a well-equipped Geotechnical Engineering Lab for the Civil Engineering students. The set of equipment include Permeability Apparatus, Consolidation Apparatus, Direct Shear Apparatus, Laboratory Vane Shear Apparatus, Unconfined Compression Testing Machine, Atterberg Limit Apparatus, Compaction Test Apparatus, Sieve Shaker etc. for testing different soil properties.

The Lab is well-equipped with most modern testing equipments like Refrigeration and Airconditioning test rigs, Petrol Engines with single cylinder and four cylinders, Diesel Engines with single cylinder and twin cylinders, Gas Calorimeter, Flash and Fire Point Apparatus, Viscosity Testing Apparatus, Air Compressor Test Rig etc.

Flexible Manufacturing System, a sophisticated group of processing workstation, was procured for our Mechanical Engineering Department. The system is fully automatic, computer-aided and robotic enabled.

The workshop has facilities for Smithy, Carpentry, Foundry and basic Electrical Works and is equipped with Lathes, Drilling Machines, Round Saw, etc. for providing hands-on experience to students.

The Lab is equipped with all modern machines including a CNC trainer lathe, AH Geared Lathe, Shaping Machines, Milling Machines, Surface Grinders, Slotting Machines, Drilling Machines etc. with different attachments to meet the training requirement of the students.
Electronics Lab

A full-fledged Electrical Lab with DC series motor, DC Shunt Motor, DC Compound Motor, Motor Generator set, Slip Ring Induction Motor, Transformers, Auto Transformer, Squirrel Cage Induction Motor, Universal Motor, Single Phase Induction Motor etc., has been set up for conducting experiments.

Electronics Lab

The Electronics Department is facilitated with many Labs such as Devices and Circuits lab, Microprocessor Systems Lab and Microwave Lab.

Each lab is equipped with advanced and state-of-the-art equipments like Colour Digital Storage Oscilloscopes, Microwave Test Benches, Satellite Communication Systems etc. from reputed manufacturers.

All labs are equipped with sufficient number of instruments well enough to accommodate two students per group for doing an experiment.

Computer Lab

A modern Computer Lab with 861 terminals on a LAN with all necessary peripherals and INTERNET connectivity is available for the use of the students. All the computer systems are high-end machines with i3/i5 processors. The Computer Lab is also equipped with latest licensed software like MS Office, Windows NT, Adobe Indesign, Oracle, Visual Studio, SPSS, Publisher 3 etc. in addition to various software for engineering applications.

Dr. Pradeep P. Thevannoor
Learning Resource Centre

The Library has over 37,560 latest books on all relevant engineering and technology subjects. The library also subscribes to a large number of national and international technical journals on engineering and technology. The Library is kept open from 8 a.m. to 8 p.m. on all working days, so as to enable the students to make full use of the facility.

Multimedia Division

SSET has the rare distinction of having established a full-fledged captive Multimedia Programme and Course Content Development Division for developing superior educational programme. Multimedia educational content makes education comprehensible and clear. This Division has the facility to edit and compose video and audio and offers crash courses on 2D and 3D animation software. All modern teaching aids like OHP, LCD projectors, slide projectors, PA systems etc. are available.

AUTOMOBILE WORKSHOP

SSET has one of the finest automobile workshops among engineering colleges. All the machines are branded quality products. Major items include a Two Post Car Lift, Vertical Boring Machine, Resleeving Sleeving Press, Valve Seat Cutting Machine, Computerised Wheel Alignment Machine, Wheel Balancer, Pneumatic Tyre Changer, Armature Testing Machine, etc. Nearly a dozen automobiles of different make also are available for study purpose.
Dr. Pradeep P. Thevannoor Innovation Awards (PPTIA) was instituted in the year 2015 by SCMS School of Engineering and Technology, in memory of Dr. Pradeep P Thevannoor, who prioritized research and was instrumental in the success of various notable developmental projects of SCMS, such as, the Neera project and the production of biofuel from coconut oil.

PPTIA is a global event held annually with an aim to identify, recognize and celebrate innovative ideas and applications to tackle issues and challenges faced by society. Over the past 3 years, PPTIA has witnessed a steady growth in both number and quality of ideas, representing ingenuity, passion and technological knowledge of the student community.
SCMS WATER INSTITUTE
UNDER SCMS SCHOOL OF ENGINEERING AND TECHNOLOGY

Areas of expertise in SCMS Water Institute

- Water Quality Monitoring and Assessment
- Environment System Modeling
- Automated Bio Monitoring
- Environment Remote Sensing and GIS
- Water Audit - Micro (e.g., Apartments) and Macro (e.g., cities) Scales
- Green Audit
- Water Policy Development for Local Bodies
- Water Technologies - Desalination, Design of Water & Waste Water Treatment, Environmental Application of Membranes
- Climate Change and Adaptation Strategies
- Limnology
- Watershed Management

SCMS Group signs MoU with KMRL for conducting a study on effective utilisation of rainwater collected in Metro Rail

SCMS Group Director Dr Indu Nair with KMRL MD Mr Mohammed Hanish, IAS on World Water Day

MoU handing over ceremony between SCMS Group and University of Weingarten, Germany to conduct joint research and experiments in water technology.
ACTIVITIES @ SSET

▲ Team of Mechanical Engineering students invited to participate in the Design Challenge Final Contest in USA

▲ Automobile Engineering students visiting houses affected by flood and servicing damaged vehicles

▲ SSET Women’s Basketball Team - Semifinalists in KTU D Zone Tournament

▲ SSET volleyball team wins the Dr. Pradeep P Thevannoor Memorial All Kerala Intercollegiate Volleyball Tournament

▲ SSET students receiving the Gandhian Young Technological Innovation Award 2018 from Dr. Harsh Vardhan, Union Minister for Science & Technology

▲ SSET Mechanical Engineering students develop Hydro Power from low currents

▲ The NSS Unit at SSET bagged the prestigious State Govt. Award for implementation of Green Protocol

▲ Mr. K Padmakumar IPS, State Transport Commissioner with SCMS Vice Chairman Prof. Pramod P Thevannoor at the SSET Stall at the World Auto Expo in Kochi
ACTIVITIES @ SSET
MANUAL OF POLICIES

A document detailing the conduct of course, academic work, discipline, rules for availing leave etc. will be made available to the students within fifteen days from the commencement of first year classes.

DISCIPLINE

Strict discipline is enforced at the college campus. Indiscipline will not be tolerated as it is against the ideals for which the institution stands committed. The Management will take stern action to curb indisciplined behavior. Parents are required to co-operate with the management in this regard. The Campus is a 'NON SMOKING CAMPUS' and disciplinary action will be taken against any student who violates this rule.

MOBILE PHONES

The possession of cellular phones within the campus is banned. Any cellular phone found on a student or in the accessories of a student, irrespective of whether it is in switch on or switch off mode, will be confiscated and SEVERE PENALTY IMPOSED. It will only be returned upon producing receipt for having remitted the penalty amount to a designated charitable purpose.

CLASS TIMINGS

Class timing is from 8.45 a.m. to 4.00 p.m. List of holidays will be displayed on the College Notice Board at the beginning of each calendar year. Students can remain in the Campus on working days upto 8.00 p.m. to make use of library and computer facilities or to carry out group assignments.

ATTENDANCE

University regulations in the matter of attendance will be strictly enforced. The students are required to co-operate with the College authorities in the matter and in all other activities aimed at their welfare. No relaxation or concession will be extended by the management.

EVALUATION SYSTEM

Apart from the end term university examinations, we follow a system of continuous evaluation for assessment of student performance. Weightage is given for internal assessment based on attendance, class participation, assignments, workshop and lab work, utilisation of library and computer centre, conduct on campus, punctuality, etc.

DRESS CODE

As part of the total discipline at the campus, dress code has been prescribed for all students. All students should wear the prescribed uniform within a fortnight from the day of commencement of the programme. After this date, students who are not in prescribed uniform and are not properly groomed in their appearance will not be permitted to sit in the class.
CAPITATION IN ANY MANNER IS NOT COLLECTED FOR ADMISSION AT SCMS GROUP FOR ANY PROGRAMME

PARENT TEACHER ASSOCIATION

Challenges of modern times demand innovative systems of teaching and training and parents have a very active role to play in it. We give great emphasis to this aspect as the students who join Engineering Colleges are in their formative years. To mould them as fine human beings and excellent technocrats, we need help and support of the parents and request them to be in touch with the faculty and management of the institution.

FEE STRUCTURE

B.Tech / M.Tech : As specified in the Agreement with the Government of Kerala or as approved by the Fee Regulatory Committee.

Miscellaneous Fee: All students are required to make a one-time payment of Rs.100/- as Admission Fee, Rs. 1000/- as Administration Fee and Rs. 2000/- towards P.T.A at the time of admission. Examination and other fees have to be paid as prescribed by APJ Abdul Kalam Technological University. The exact dates of fee payments will be displayed on the Notice Board.

IDENTITY CARD (SMART CARD)

All students will be issued identity cards which they should wear all the time they are in the campus. A sum of Rs. 500/- should be paid at the time of enrollment towards cost of identity cards along with stamp size photographs.

Replacement of a lost card or failure to return the card to the office at the end of the course will attract a fine of Rs.1000/-.

CAUTION DEPOSIT

A caution deposit of Rs.10,000/- is to be paid at the time of admission. Engineering students handle very expensive equipments and other items during the course of their study. An amount not exceeding Rs.250/- will be recovered from caution deposit towards miscellaneous damages of college property attributable to students.

Important Information

Eligibility for admission to B.Tech. programme is as per the norms of the APJ Abdul Kalam Technological University. Fee structure, refund policy and such other matters are as per various provisions in the agreement the Kerala Self Financing Engineering College Managements’ Association has entered into with the Government of Kerala. Agreement copy is available on the website of the Association (www.ksfecma.com) as well as on the website of Secretary, Higher Education Department, Government of Kerala.

Semester promotion policy

As per G.O.(MS) No.93/2015/H.Edn. dated 11/03/2015, all Engineering Institutions in the State are to be affiliated with the A.P.J. Abdul Kalam Technological University from the academic year 2015-16 admission onwards. Semester promotion policy will be as decided by the university. For more details and relevant guidelines visit www.ktu.edu.in

Medical Insurance

All students are covered under students’ group insurance policy. As a gesture of goodwill, SCMS does not charge students for the payment of premium.

Mandatory Disclosure

Further information available at website www.scmsgroup.org

Ragging Strictly Prohibited

Ragging / any type of misconduct towards any student, either in the college campus or outside, will be considered as criminal offence and will be immediately reported to the police. Perpetrators will not be permitted to continue their studies.

Students and parents shall, at the time of admission, furnish an affidavit to the effect that the students shall not indulge in ragging.

SCMS is a secular institution and hence does not allow religious practices of any particular caste or religion within the Campus.
SCMS GROUP - MEMBER INSTITUTIONS

- SCMS Cochin School of Business
  PGDM

- SCMS School of Engineering and Technology
  B.Tech, M.Tech, Ph.D, MCA

- SCMS School of Technology and Management
  MBA, MCA, M.Sc, Ph.D, IMCA, B.Com, B.A, B.Sc

- SCMS Center for Socio-Economic Research, Consultancy and Training
  Research, Consultancy and Training

- SCMS Institute for Biosciences and Biotech Research and Development
  M.Sc, M.Tech, Ph.D

- SCMS School of Architecture
  B.Arch

- SCMS College of Polytechnics
  Diploma Courses

- SCMS Water Institute
  Research and Consultancy

- SCMS School of Masscom Studies

- NORKA-SCMS Institute for Paramedical and Development Studies

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  MBA, MCA, M.Sc, Ph.D, IMCA, B.Com, B.A, B.Sc

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- SCMS Institute for Biosciences and Biotech Research and Development
  M.Sc, M.Tech, Ph.D

- SCMS School of Architecture
  B.Arch

- SCMS College of Polytechnics
  Diploma Courses

- SCMS Water Institute
  Research and Consultancy

- SCMS School of Masscom Studies

- NORKA-SCMS Institute for Paramedical and Development Studies
The faculty members and external experts meet students collectively and individually, and offer workshops and programme in areas like job search and preparation for job interviews. They also oversee and evaluate aptitude tests and mock interviews.

The reputation of SCMS benefits students during campus placement. However, the students need to attain a high level of competence to be selected by the recruiters. The students are advised to utilise the facilities in the campus including the special training offered at SSET, to develop the skills that are indispensable for a modern engineering professional.

Making a career decision is as important as choosing a course. We have a very active faculty set up to provide assistance for job preparation and selection. The best of the Tech companies look for candidates who possess not only the technical knowledge, but also soft skills. The Placement Cell ensures that the students of SSET imbibe the right attitude to make them invaluable in a corporate environment. It aims to ensure the most opportune placement for all the students who have:

- secured good marks for the regular courses
- been active in extracurricular activities
- cleared all courses at the time of placement
- attended Personality Development Programme

International Placements at SSET - International Software Manufacturers and Distributors, Honest Co Ltd, Japan, offers placement to SSET students Akshay & Arun

▲ SSET set a new placement record when 131 students got placed in Infosys
We thank our recruiters