



Adi Shankara
INSTITUTE OF ENGINEERING AND TECHNOLOGY

—
**DEEPLY ROOTED IN OUR VALUES,
WE STRIVE FOR GLOBAL STANDARDS**
—



SRUTHI, SMRITHY PURANANAM AALAYAM KARUNALAYAM
NAMAMI BHAGAVATPADA SANKARAM LOKASANKARAM



PATRON'S MESSAGE

HIS HOLINESS JAGADGURU SRI SRI BHARATHI THEERTHA MAHA SWAMIGAL DAKSHINAMNAYA SREE SARADA PEETAM, SRINGERI.

We find that two - thirds of mankind still lives in abject poverty and what were once considered as free goods such as air and water are turning out to be anything but free and have a high cost attached to them. We are beset with these and other problems, which abound and multiply particularly in the present context when we have widely opened our doors to the world market due to which rapid social, cultural, economic, political and racial changes are rocking the country from all directions.

The Adi Shankara trust through its various educational institutions tries to impress and inculcate in the minds of the young scholars that problems are opportunities to showcase a person's talents and to make valuable contribution to the mankind.

The gracious blessings of His Holiness Sri Bharathi Theertha Mahaswamiji are conveyed to the academia under the umbrella of the Adi Shankara Trust for engaging in this noble and holy task of creating a suitable and rich background of intellectual and spiritual atmosphere that promotes love and understanding for the awakening and flowering of intelligence.



**Guruseva Dhurina Padmasree
Dr. V.R. Gowrishankar**

CEO & Administrator,
Sringeri Mutt and its properties



Sri K. Anand

Managing Trustee,
Adi Shankara Trust



Prof. Dr. S.G. Iyer

Director, ASIET



Prof. Dr. Neelakantan P.C.

Principal, ASIET

OUR VISION

To build a strong Centre of excellence in Engineering, Technology and Management targeting global standards.

OUR MISSION

To provide good environment for individuals to transform into technologically superior, socially committed, spiritually elevated and nationally responsible citizens.

OUR STANDOUT INITIATIVES

- **Strong Industry Institute Interaction and Involvement**
- **24 x7 Teaching Learning environment facilitated through the MOODLE @ ASIET platform**
- **Add on Certification programmes in the Campus in association with Intel, SAP, Yokogawa etc.**
- **Enrichment of Curriculum through MOOCs**
- **Start up Boot Camp to facilitate and build Entrepreneurial culture among students**
- **Student centric and outcome based education**
- **Systematic procedures that have ensured admirable track record in Results and Placements**

THE INSTITUTION

Adi Shankara Institute of Engineering & Technology (ASIET) was established in 2001 at Kalady near Nedumbassery International Airport, in a campus of serene atmosphere which is effervescent with the ever-inspiring memories of Jagadguru Adi Shankara.

It is an institution with the aim of providing value added technical education with a flair of professional excellence and ethical values under the Sringeri Mutt and systematically run by ADI SANKARA TRUST with the blessings in abundance from Sree Sree Bharathitheertha Mahaswamigal. ADI SANKARA TRUST is a registered trust which has created a unique identity in the field of education by running Sree Sankara College, Sree Sarada School, Adi Sankara Training College all at Kalady.

The institution is led by Dr B. S. Krishnan, Chairman and Sri K. Anand, Managing Trustee, with a proactive approach for the overall development of the institution. An expert in Electronics, Dr S. G. Iyer serves as Director. Having vast experience in teaching and administration, he dedicates his efforts for attaining global standards for the centre. Under the direct supervision of the Principal, Dr. P.C. Neelakantan, an academician par excellence, a team of highly qualified faculty, works hard for the betterment of students in totality.

Affiliated to APJ Abdul Kalam Kerala Technological University and approved by the AICTE, ASIET is the first self-financing technical education centre to be awarded with the ISO 9001: 2008 certification. It has state-of-the-art infrastructure with well-equipped laboratory, workshop and library facilities.





MILESTONES

2001 August 31st - ASIET was inaugurated by the then Chief Minister of Kerala Sri. A. K. Antony.

2003 Acquired ISO certification in Quality Management.

2004 Started MBA Course. Launched the annual techno cultural festival "Brahma".

2005 The first batch of engineering has come out in the year with excellent academic results under M.G. University with five university ranks and 85% pass percentage. In the first batch itself the unique record of placements of 85% was achieved in various Multi National Companies like Infosys, Oracle etc. The college was proud of the visit of His Excellency Dr. A.P.J. Abdul Kalam the President of India who had an interaction with students of the college.

2006 Started Campus Connect program with Infosys, Bangalore.

2007 Campus became wire free.

2008 TCS grants accreditation for the college.

2009 The college has implemented various innovative projects which were demonstrated to Dr. A. Shivathanu Pillai, MD of Brahmos.

2010 M-Tech Computer Science started. The Research Centre in Computer Science was inaugurated by Dr. A.P.J. Abdul Kalam on 13th October 2010.

2012 M.Tech in VLSI & Embedded System and Power Electronics started. Achieved record placement of 95% and 3 university ranks.

2013 M.Tech in Communication Engineering and B.Tech in Civil Engineering started. The number of seats for M.Tech Computer Science was increased to 24 and also additional intake of 60 students for MBA was approved by AICTE.

2014 Google awarded ASIET the status of Industry Institute Partner. Huawei selected ASIET for the project assistant program for all the branches of Engineering. KPMG accredited ASIET for the campus recruitment drive of B-Tech, M-Tech and MBA.

ASIET has been ranked by the leading magazine "Bureaucracy Today" as the 44th B School as well as Engineering College among the best top 50 in India.

ASIET has achieved high vibrancy success ranking of IEEE for its extraordinary contributions within a short span of time'

2015 MOU with reputed Industry majors Intel and SAP to set up specialized labs. All departments get fully geared up for NBA accreditation

TRACK RECORD

ASIET maintains an excellent record of results with 85% pass for every branch. We are among the Top 5 colleges in University Results for every semester. In 2014, we got 100% pass in more than 30 subjects.

COURSES

Under graduate Courses: Four Year (8 Semesters) B.Tech Degree courses in

- **APPLIED ELECTRONICS & INSTRUMENTATION**
- **ELECTRONICS & COMMUNICATION ENGINEERING (Two Batches)**
- **COMPUTER SCIENCE & ENGINEERING**
- **ELECTRICAL & ELECTRONICS ENGINEERING**
- **INFORMATION TECHNOLOGY**
- **MECHANICAL ENGINEERING (Two batches)**
- **CIVIL ENGINEERING**

- The total intake per batch is 60.
- 15 % of the seats are reserved for NRIs.
- Besides, there is provision for Diploma holders to pursue B.Tech Degree Course by direct admission through Lateral Entry Scheme.

M Tech Programmes

- **Computer Science & Engineering** • **Power Electronics and Power Systems**
- **VLSI & Embedded Systems** • **Communication Engineering** •



DEPARTMENTS

INSTRUMENTATION

The Instrumentation department has well equipped laboratories such as “Transducers and Measurements Lab”, “Instrumentation Lab”, and fully automated “Process Control Lab” which are essential for the students to excel in practical fields of instrumentation. Students get hands-on training in state of the art labs by industry-experienced and professionally trained instructors.

MECHANICAL ENGINEERING

The Department of Mechanical Engineering was started in the year 2006. The department aims to develop mechanical engineers who are innovative, entrepreneurial, and equipped to become global leaders in research and technology. The programme focuses on solutions to the problems in design, manufacturing, robotics, automotive, energy production, thermodynamics, process engineering etc. The department has well qualified faculty members who are specialized in the fields of thermal, design, manufacturing and safety.

ELECTRONICS AND COMMUNICATION ENGINEERING

Department of Electronics and Communication Engineering is enriched with qualified and experienced faculty members with several years of exposure in Electronics and Communication Engineering and its allied fields. The faculty members are also pursuing research work regularly, as evidenced by national and international publications to their credit. The department is equipped with several state of the art laboratories which cater to the needs of producing highly trained and competent engineers.

COMPUTER SCIENCE

The Computer Science programme provides professional education in Computer Science to prepare the student for Graduate study or for a career in the computing field. Students learn concepts and skills needed for designing, programming, and applying computer systems while learning the theoretical and mathematical foundations of computer science.

INFORMATION TECHNOLOGY

Information technology is a dynamic discipline that addresses the use of computing and information technology in business, education, government, and other organizations. The scope of the discipline includes the development of systems based on computer and information technology and the application of those systems to enhance enterprise operations.

ELECTRICAL & ELECTRONICS ENGINEERING

The department of Electrical & Electronics Engineering ensures that all students are professionally well equipped with sufficient industrial exposure and get familiarized with modern hardware and software tools which will enable them to develop in-house academic projects. The department arranges industrial visits to reputed establishments in and around the state, with a view to integrate academic instructions and practical aspects.

CIVIL ENGINEERING

Civil Engineering is one of the core engineering professions in the world. The study of civil engineering is broad and includes diverse subjects like Structural Engineering, Construction Engineering, Transportation Engineering, Environmental Engineering, Foundation Engineering, water resources engineering etc. The course will make the students capable of identifying, formulating and solving civil engineering problems that meet specified performance, cost, time, safety and other quality needs and objectives with professional and ethical responsibility.

ADI SHANKARA BUSINESS SCHOOL

The MBA course was commenced in the year 2004. At present, the department is functioning in a full - fledged separate building. The course is approved by AICTE, New Delhi and affiliated to M G University, Kottayam. The course comes under the scope of ISO-9001:2008 certification. Currently efforts for NBA accreditation are on. The current intake is 120 students. The

The pedagogy is “Student Centric”. Hence emphasis is on “Learning” rather than

teaching. We strongly believe that MBA is all about experience & exposure rather than mere class room learning and therefore, our approach is always pragmatic. Efforts are thus on to shape top class global managers by exposing our students to expert talks , industrial visits, internships, corporate social projects, industry specific add-on courses, business plan preparation etc. that continuously meet the needs of ever changing dynamic business world.

The specializations offered

- Human Resource Management (HRM) • Finance & Marketing on dual mode •
- International Business •



LIBRARY

The Adi Shankara Library is a center for quality information resources for the college community; it provides professionally qualified librarians and skilled technical staff that support the use of information in learning. Nearly 40,000 books and 12,000 titles are available in our library. An exquisite digital repository of video lectures enhance the learning experience. About 100 national and International E-Journal publications are subscribed.

International E-Journals: J-GATE, ASTM, JEEE, EBSCO, ELSAVIER- SCIENCE DIRECT, SPRINGER, ACM, ASCE, McGrawHill.

HOSTEL

ASIET provides separate hostel facilities for the First Year and Senior Students which can accommodate more than 200 inmates. A maximum of 3 students are accommodated in each room. There are separate reading rooms in each floor which is apart from a common room. Ample facilities are provided for both indoor and outdoor games in the Hostels. Each floor has a resident warden from teaching staff who takes care of the students, and at the same time monitor good discipline inside the hostel premises.

Hostel for girls with excellent amenities have been provided inside the college campus. The ladies hostel can accommodate more than 400 inmates. The hostel is provided with spacious mess halls and study halls. First year students have separate wing in the hostel. Caring wardens and tight security ensures a pleasant stay, allowing students to focus on their studies.





TRAINING AND PLACEMENT CELL

The Training & Placement cell of ASIET constituted under the dynamic leadership of Dr. Santharam Rao provides the right perspective regarding the various career options available to the students.

The facilities offered are:

- Pre-placement discussions and meeting are organized in which strengths and weaknesses of the students are identified.
- Drafting a detailed schedule for the intensive coaching to be imparted to the fifth and sixth semester students.
- Soft Skills and Life Skills Workshops
- Regular mock interviews are arranged with the help of internal faculty and external experts.
- Give regular and constructive feedback on the student's performance for corrective actions.
- Monitor and modify the conduct of the Campus Connect and CampusCommune programme hosted by INFOSYS and TCS.
- Continuous evaluation, feedback and corrective actions are taken for making the students to face the campus drives confidently.
- Nurtures Industry institute interaction, by organizing and coordinating frequent industrial visits, implant training and projects of industrial relevance for the students, with the sole aim of zeroing down the gap between the industry and the academia.
- Conduct online Technical and Aptitude Tests.
- Helps every student to define his/her career interest through individual expert counseling.
- Makes available updated database and job profile of the companies and thus helps each student to analyze and choose company of his interest.

TRANSPORT

Transportation facility is provided to students and staff. More than 25 bus services are arranged from the college to various places in the districts of Ernakulam, Thrissur and Idukki.

SCHOLARSHIPS

Scholarships are provided for meritorious as well as economically backward students. Students with high ranks in the Kerala State Entrance Exam will be given 100% tuition fee waiver.

NRI ADVANTAGE

15% of the seats are reserved for NRIs. The campus is located just 5 km away from the Cochin International airport at Nedumbassery. Guest House facility is being arranged for parents of NRI students very near to the Campus. Individual mentoring and guidance with the help of Professional Counsellors are being provided for NRI students.

ADI SHANKARA KNOWLEDGE CITY

The idea put forward by Dr. B. S. Krishnan to “NAME THE KALADY EDUCATIONAL INSTITUTIONS AS A KNOWLEDGE CITY” was blessed by HISHoliness JAGADGURU SRI BHARATHITHEERTHA SWAMIGAL” of Sringeri. One of the components of this Knowledge City is a centre for collecting, collating, communicating, studying and researching about Adi Shankara and his contributions.



INDUSTRY INTERFACE

Partnership with TCS and Infosys on Campus Commune and Campus Connect

TCS IoN Testing Centre

Industry Sponsored Labs by INTEL and SAP

Active Student Chapters of Professional Societies like IEEE, CI, ISA, IETE function in the Campus which caters to the Professional Development of students

RESEARCH CENTRE

SHREIS, the Research centre of CSE Dept was inaugurated by Dr.A. P. J. Abdul Kalam on Oct 2010. The centre focuses on research in Information Security, Data mining and Image processing areas. The centre in association with various research organizations like C-DAC Trivandrum, IIIT-TVM and IT companies like Infosys, TCS etc. develop various software and tools. The centre also provides consultancy & training in the area of Information security, Data Mining, Business Intelligence etc. The centre is currently planning to device cloud computing facility for offering research projects. The centre is fully equipped with higher end networking and computing infrastructures with digital library, E-Books, E-Journals etc.



NON ACADEMIC ZONE

College promotes cultural talents of students. In pursuit of replenishing and reviving the interest in classical art forms and as a tribute to the great maestro of carnatic music, “THYAGARAJA ARADHANA” is conducted every year at ASIET as a precursor to BRAHMA.

The National Inter-Collegiate Techno cultural fest “BRAHMA” is held every year at ASIET. More than 100 colleges from across the country participate in this colossal event. A series of genre specific competitions like Short film, Best Actor, Band of Brahma, Voice of Brahma, Hacakathon, Software debugging, Ethical hacking, Blind

coding, Web designing, Robo war, Step and Synchro, Project Expo, Best Manager etc., are held, presenting avant-garde technology and art. About 2000 students from several engineering colleges all over India vie in as many as fifty events with prize money of over 8 lakh, to test the wit and skill of the participants.

Sports Day & Various Games are conducted every year by the Physical Education Department. Our college teams for Football, Basketball, Table Tennis, Cricket, Cross Country and Volleyball have won accolades in various Inter Collegiate Tournaments across the State.



SOCIAL INITIATIVES

Two active NSS units function in the College with close to two hundred members. Plans are afoot to adopt a village close to the Campus for NSS activities. In addition to this various departments organize their own Social service activities.

Department of Electrical & Electronics conducts VIDYUTH in association with KSEB with the slogan “LIGHT A HOUSE... LIGHT A LIFE”. 100 applicants registered to get their houses electrified, out of which 60 of them were selected including 3 anganwadis.

The Department of Information Technology conducted “Punarjani”, in association with Kidney Federation of India, an Organ Donation Awareness Programme as a social service activity. The program was inaugurated by MrManohar A.P (Kidney Federation of India).It was an inspiring sight of more than 500 people willing to take part in this innovative program and thereby to gift lives. Students registered the details of donors on www.knos.com and created the donor cards.

The Dept. of Computer Science has taken up a Pilot project with Kerala State IT Mission to facilitate the Akshaya centres of the State

The Dept. Of Electronics and Communication continuously organizes training programmes for the Kudumbashree members of Kalady Panchayat to take up gainful self employment. Abhyudaya , another initiative of the Dept. reaches out to plus two students of the District by giving them hands on training and practice, generating interest in their area of studies.

Mechanical Engineering students took up a Clean Fort Kochi campaign last semester which was well appreciated and lauded.

Women empowerment initiatives are taken up on regular basis with the help of Invited Lectures and sustained interactions.





Adi Shankara

INSTITUTE OF ENGINEERING AND TECHNOLOGY

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AN ISO 9001-2008 CERTIFIED INSTITUTION

INSTITUTION CODE ASI

UNDER THE SAME MANAGEMENT

- Sree Sankara College Kalady • Sree Sarada Vidyalaya Kalady • Adi Sankara Training College Kalady
- Bharathi Theertha Educational Society • P.N.N.M. Ayurveda Medical College Shoranur • Sree Sarada Special School, Kalady •