

ABOUT AIET

Alva's Institute of Engineering and Technology (AIET) is a premier engineering institute of Alva's Education Foundation established in the year 2008. AIET is established adjacent to Moodbidri-Mangalore national highway, which is 24 km from Mangalore international airport. AIET has glorious infrastructural facilities that embrace spacious class rooms, well equipped laboratories, well stocked with hostels, canteen, transportation facility, library, Wi-fi etc. In short, each fashionable convenience has been provided to make sure that students learn in a setting that stimulates thinking and builds confidence to meet the challenges of tomorrow.

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COMEDK CODE - E006



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

A Unit of Alva's Education Foundation(R), Moodbidri

(Affiliated to VTU, Belgaum, Approved by AICTE, New Delhi, Recognized by Govt. of Karnataka)

ELECTRONICS AND COMMUNICATION ENGINEERING

Accredited by NBA, New Delhi

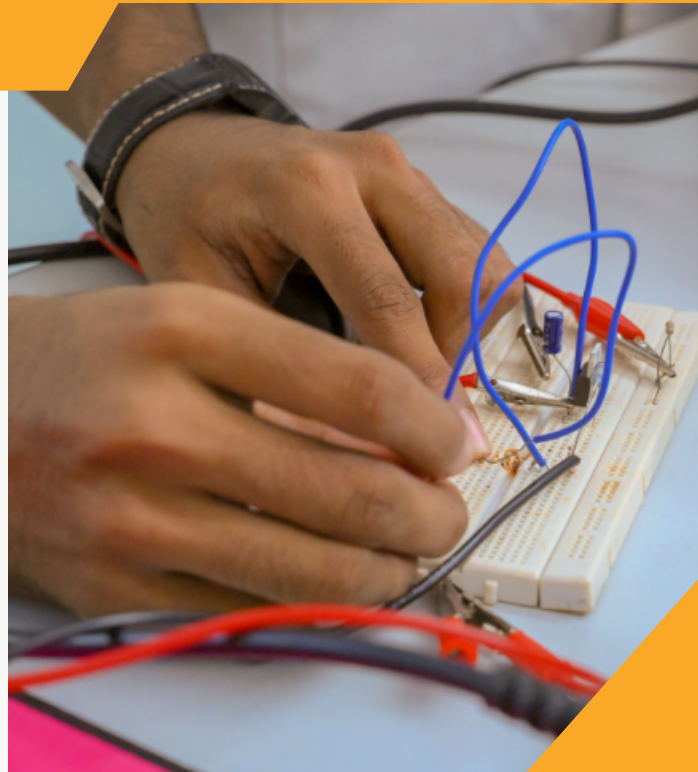


OUR VISION

'Centre of Excellence to Empower the young minds in the field of Electronics and Communication Engineering with Research Focus and Skill Development through Transformative Education catering to the needs of the Society.'

OUR MISSION

- 'To create Learning Environment to enable the Students for Excellence in the field of Electronics and Communication Engineering.
- To Empower the Students with necessary Skills for Solving the Complex Technological Problems.
- To Inculcate Research Culture among Teaching-Learning Group by guiding them towards Research Activities to bridge the gap between Industry and Academia.
- By Imbibing the Students with Human Values and Ethics through Transformative Education and make them Socially Responsible Professionals.



ELECTRONICS & COMMUNICATION ENGINEERING

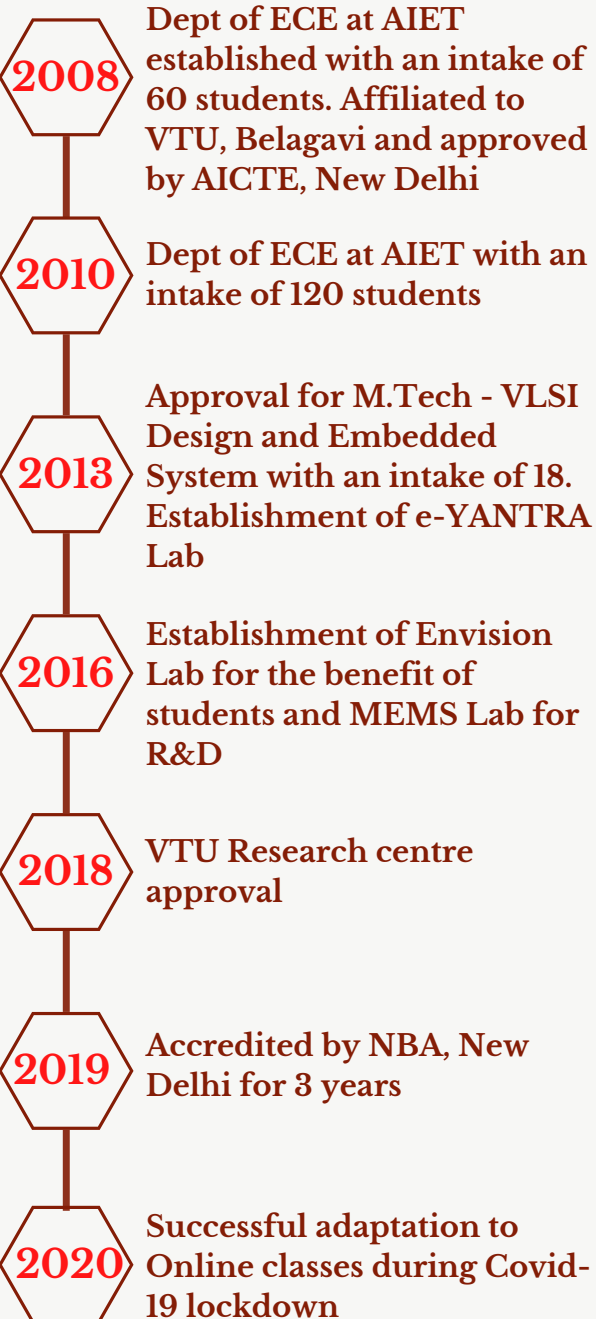
Electronics and Communication (E&C) is one of the renowned branches in the field of Engineering, have proved time and again, that they play a pivotal role in both the developing and well-being of our society in the fast paced human life. E&C branch is concerned with the design, development, manufacture and application of electronic devices, circuits and systems.

ECE AT AIET

Department of Electronics & Communication at Alva's Institute of Engineering and Technology was started in the year 2008-09. The department is affiliated to Visvesvaraya Technological University (VTU) and was recognized as Research Centre of VTU in the year 2017-18 and accredited by NBA in 2019-20. The department has an intake of 120 aspirants per year.

The department has well-equipped classrooms and computer laboratories with high-end systems as per the AICTE norms. The syllabus encompassing the latest technologies, excellent laboratory facilities and exemplary faculties are the main reasons for the prized status accorded to this course.

DEPARTMENT AT A GLANCE- TIMELINE



OUR CURRICULUM

The department of ECE strives in ensuring academic excellence to the students. Along with this, a strong curriculum model is followed with a focus to provide students with platforms to mould them with relevant technical enforcements.

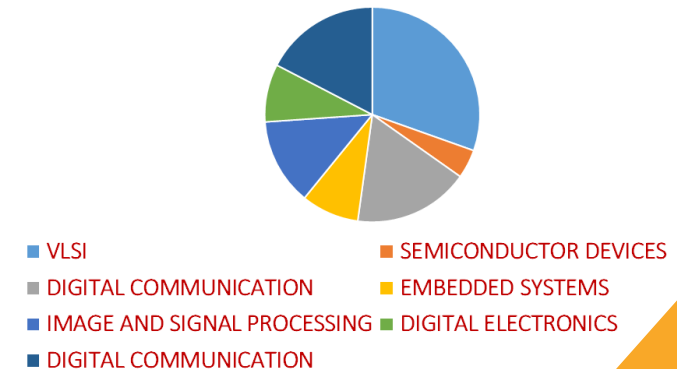
HIGHLIGHTS

- 12 Technical talks from industry/academia experts per year
- 6 Student Certification Programs per year
- 45 Days Internship for every student
- 15 Industry Academia MOU's
- Aptitude coaching
- Gate and Public sector examination coaching
- Placement training - 45 days Boot Camp for pre final year students
- 30 clubs to help co-curricular and extra curricular activities
- 3 Industry visit per year
- Professional body -IETE
- 4 Advanced research labs to facilitate R&D activities amongst students
- Students forum 'Evionics'
- Impartus Lecture Video Capture to help students recap after class hours

TEACHING EXPERIENCE

- 4 Doctrates - Over 20 years of Experience
- 8 Pursuing Ph.D -Over 12 years of Experience
- 7 M.Tech - Over 8 years of Experience

FACULTY SPECIALIZATION





INTERNSHIPS

An internship enables you to gain first-hand exposure of working in the real world. It also allows students to harness the skill, knowledge, and theoretical practice they learn in classroom.

The department has collaborated with esteemed government, private and research labs across the nation to facilitate the students with Internships. The students need to complete a 45 days internship before passing on to final year.

INTERNSHIP TRACK

134	2017-18
144	2018-19
240	2019-20



TRAINING AND PLACEMENTS

The backbone of any institution is Academics and Placements. The placement track record of any institution is an indication of the success of the institution.

Our Training and Placement Department strives to provide personal and career related support to the students with special emphasis on training the students on employability skills and ultimately provide placement in various Industries/Organizations by arranging campus recruitment drives.

ECE PLACEMENT TRACK

90	2017-18
95	2018-19
75*	2019-20





RESEARCH AND DEVELOPMENT

The Research Centre in the department of Electronics and Communication Engineering is recognized by Visvesvaraya Technological University, Belgaum since the academic year 2017-18. The research centre offers a Ph.D Program for both students and faculty in Electronics and Communication and related branches.



MEMS Lab was established in the year 2016. The students here learn to design and fabricate electro-mechanical devices to create complex machines at micro scale. The lab is equipped with 20 high end systems. This lab has helped students to learn about sensors, actuators and many more.

MEMS LAB LINUX LAB

The Linux Lab was established in the year 2015. Currently Pre-Final year and Final year students are doing their projects in the Linux Platform to encourage Open Source Software's to current computer generation.



RESEARCH TOOLS

COMSOL Multiphysics, Coventor Ware VLSI cadence tools (PG bundle), MATLAB Xilinx Vivado-2018 ARM CORTEX Keil µVision4 MSP-430 CCS

A research and prototyping lab was setup in 2016. The lab was setup with the motive to help the students follow the open learning culture. Now the lab is run independently and provides a platform for product development and manufacturing in the field of electronics and robotics.

ENVISION LAB e-YANTRA LAB

e-YANTRA Lab was established in 2013. An initiative by IIT Bombay that aims to create the next generation of embedded system engineers with a practical outlook to provide support in finding practical solutions to some of the real world problems.



HIGHLIGHTS

KCTU FUNDING OF RS 1 CRORE

Project title : "Development of Prototype Chemicals Sensors for environmental/ Industrial/Agricultural Applications"

PATENTS - 6
FACULTY PUBLICATIONS - 64
(INTERNATIONAL JOURNALS AND CONFERENCES)
STUDENT PUBLICATIONS - 21
DOCTRATES - 4
PURSING PHD - 8

INDUSTRY ACADEMIA COLLABORATION THROUGH MOU

AIET believes that only by creating proper platforms, the students can explore the practical aspects of technology. To help them with it, MOU's with the best organizations across the globe was reached upon.

MOU'S OF THE INSTITUTE RELATED TO ECE DEPARTMENT

- ISRO Head Quarters, Bangalore
- National Atmospheric Research Laboratory, Gadanki, Chittoor, AP
- National Remote Sensing Centre (NRSC), Hyderabad
- Regional Remote Sensing Centre (RRSC)-South Bangalore
- Kumamoto University, Japan
- Indian Institute of Science IISc, Bangalore
- Indian Institute of Information Technology, Allahabad
- Bharath Electronics Limited, Bangalore
- ABB, Bangalore
- CSIR-NAL, Bangalore
- Indian Platform connecting universities across Europe.
- Envision Lab
- ICT Academy, Bangalore
- Vihan Sudhan Technologies, Mysore.
- Electronics For You

STUDENT ACTIVITIES

'EVIONICS' - The student forum for the department of ECE at AIET plan and conduct various technical activities along with co-curricular and extra-curricular events.

HACK-ELITE



The program was focused mainly to make students aware about the type of hackathons they will be facing in the future.

IMPERIUM



IMPERIUM- A 2 day tech fest conducted with events from electronics domain.

AGAMYA



AGAMYA – I HAVE A DREAM
A social concern to support the specially abled students of Alva's Special School, Moodbidri

AGAMYA – DONATE FOR CAUSE, NOT FOR APPLAUSE

Fund raising event for 'Sanidhya' School for differently abled.

INDUSTRY VISIT



The students are given opportunity to visit electronics related Industry/Organizations across the country to have real-time exposure.

TECHNICAL TALK



12 technical talks are conducted by the forum round the year. The resource persons are experts from electronic Industry/Academy.

STUDENT ACHIEVEMENTS

ACADEMIC RESULTS

96.8% 2017-18
98.08% 2018-19
100% 2019-20

Academic achievements is always measured through results. Our student performance is increasing exponentially in results. We are proud to share the outstanding results of securing 100% results with all FCD's in the academic year 2019-20

CO-CURRICULAR ACHIEVEMENTS



Mayya Sharath
Has attended the Republic Day camp held in New Delhi and participated in the RD parade.



Shravan Boloor,
Won 3 Gold, 4 Silver and 3 Bronze at National Level Life Saving Championship in swimming in 2019-20



Rohan, Deepika, Chethak, Arun
The team secured 2nd place in all India E-yantra robotics competition held at IIT Bombay under the theme called "Feeder Weeder Robot".



Gauthami
Has secured 24th rank in All India Mock Placement Contest and also has co-authored a book "Birds of Shobhavana"



Arjun Rao,
Research Scholar published 3 Patents and 4 Publications guided by Dr. D V Manjunatha

ALUMNI



The Alumni meet is an event for old relationships to be cherished, celebrated and refreshed and new ones to be formed. It is a time of reflecting, remembering the good old times and looking forward with a sense of purpose and anticipation.

Dept of ECE conducts Alumni meets every year, which gives the students an opportunity to interact with alumni and discuss on career guidance and placements.

TESTIMONIALS BY ALUMNI



Nithish Bharadwaj
Project Lead
Telenetrix

Alumni meet brings back so much memories. I'm very happy that the department has grown so much in potential.
#2008batch



Rohan D'souza
Masters - Data Science
Queensland University, Australia

My journey at Alva's was a Roller-coaster ride. Its AIET which made me realize I'm bound to do much more. Its taught me much greater deeds that classroom cant!
#2013batch



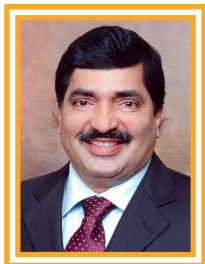
Anushree Shettigar
Specialist
PWC

One thing that I would absolutely never say no is when I'm called for an Alumni meet. Feels so good to connect with the students during the interaction. Memories Relived!
#2014batch



Sushant Hegde
Senior Design Engineer
Qualcomm

I was spell bound on my last visit to AIET. So much progress in terms of infra and technology over the last decade. Proud to be an Alumni of ECE. dept of AIET.
#2008batch



Dr. M Mohan Alva
Chairman
Alva's Education Foundation

Knowledge is power and education is a path to imbibe it. Alva's Education Foundation (AEF) purports to do exactly the same that is, transform education into knowledge. It is knowledge that will empower the youth of today to understand the information explosions taking place in the rapidly globalizing world. Personal integrity and ethics can be maintained only with a strong mind and a mind can become strong only with knowledge.

Alva's Education Foundation (AEF) aims to develop individuals who will be ready to take up real challenges presented to them. At the same time foundation wants these individuals to be culturally and ethically enlightened because not only the industry but our country needs such individuals today.



Education today is no longer confined to the four walls of the class room. Education is a continuous process which prepares the student at every opportunity to think, to learn, to create and to help others with a right and positive attitude. At present, all round development of any individual is essential to compete with global challenges. To face real life challenges, the efforts must be put in to provide qualitative, value based and activity oriented education.

To discharge the best education, the role of teachers and also management is very vital. In concern with this, our institution is providing a conducive and congenial atmosphere both for the teachers and students so that the activity of teaching and learning is being done successfully.



Dr. Peter Fernandes
Principal
AIET, Moodbidri



Dr. D V Manjunatha
Head, Dept. of ECE
AIET, Moodbidri

Electronics and Communication Engineering has always stayed ahead in enhancing the standard of human life and also leads in contributing for the financial development of the nation. The aim of the department is get recognized as a centre of excellence and to empower the young minds through transformative education taking into account the needs of the society. This can be done only through research focused curriculum and quality training on skill development.

Presently, the department has well-qualified faculty members who have made significant contribution in various fields and have published research papers in reputed journals, international and national conferences.

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