Alva's Institute of Engineering & Technology, Moodbidri

Shobhavana Campus, Mijar Moodbidri- 5474 225

(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi)

ALVA'S
Education Foundation®

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(Accredited by NBA, New Delhi)

Department of Computer Science and Engineering was established in the year 2008 with an intake of 60 and has enhanced to 120 from academic year 2012-13. **Department of CSE accredited by** National Board of Accreditation(NBA) for the period of 3 years from 30-06-2019 to 30-06-2022. The Post Graduate course, M.Tech in Computer Science and Engineering has introduced from academic year 2012-13 with an intake of 18 students. Department of Computer Science & Engineering was recognized as a Research Centre of VTU in the year 2018-19.

Department Class Rooms are facilitated with Impartus Lecture Capture Video, in which students can recap the recorded lecture video after the class hours. To keep pace with latest technologies, department has MoU with various reputed organizations like ISRO, DIAT, IIIT, Kumomoto University, ICT Academy, HAL etc. The department has 5 additional labs apart from the regular syllabus labs like Apple iOS Lab, Intel Intelligence Lab, Envision Lab and Innovation Lab
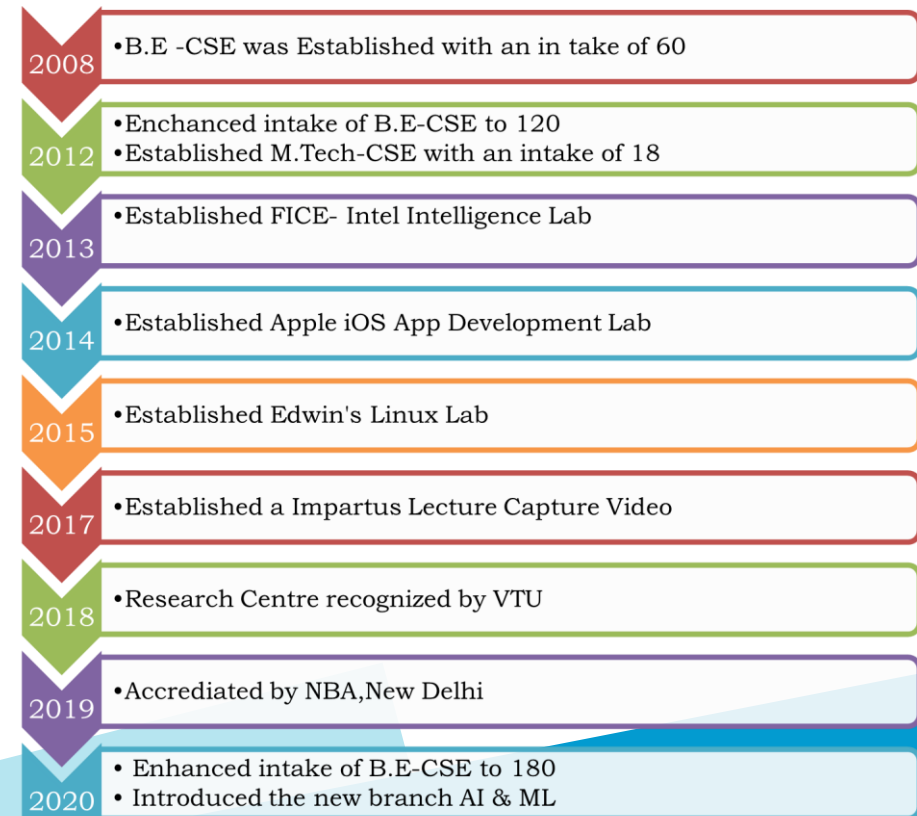
OUR VISION

"Engendering competent, excellent professionals by transforming the knowledge and computing skills to individuals through modern innovative tools and techniques".

OUR MISSION

- To produce skilled, creative software developers through rigorous training.
- To conduct specific technical courses to keep abreast to the latest technological developments and transformations in the domain.
- To establish Industry-Institute Interaction programs to enhance the skills of employability and entrepreneurship.
- To implement the ideas of research and innovations in interdisciplinary domains.

DEPATRMENT MILESTONES

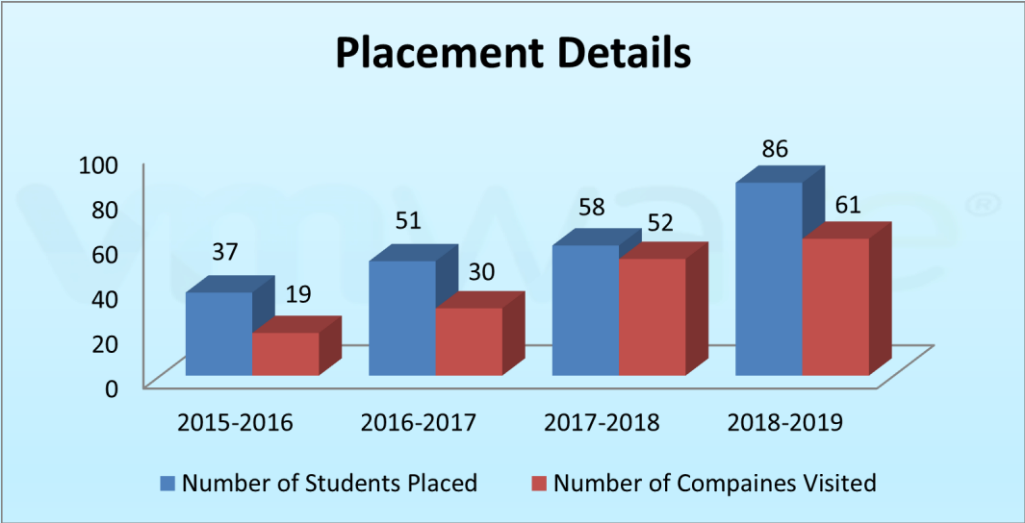| Year	Milestone
2008	• B.E -CSE was Established with an in take of 60
2012	• Enchanced intake of B.E-CSE to 120 • Established M.Tech-CSE with an intake of 18
2013	• Established FICE- Intel Intelligence Lab
2014	• Established Apple iOS App Development Lab
2015	• Established Edwin's Linux Lab
2017	• Established a Impartus Lecture Capture Video
2018	• Research Centre recognized by VTU
2019	• Accrediated by NBA,New Delhi
2020	• Enhanced intake of B.E-CSE to 180 • Introduced the new branch AI & ML

TEACHING STAFF

Departmentastaff community consists of 24 full-time faculty with 3 Ph.D Qualifications, 21 faculty with M.Tech qualifications and 5 faculty members pursuing Ph.D.
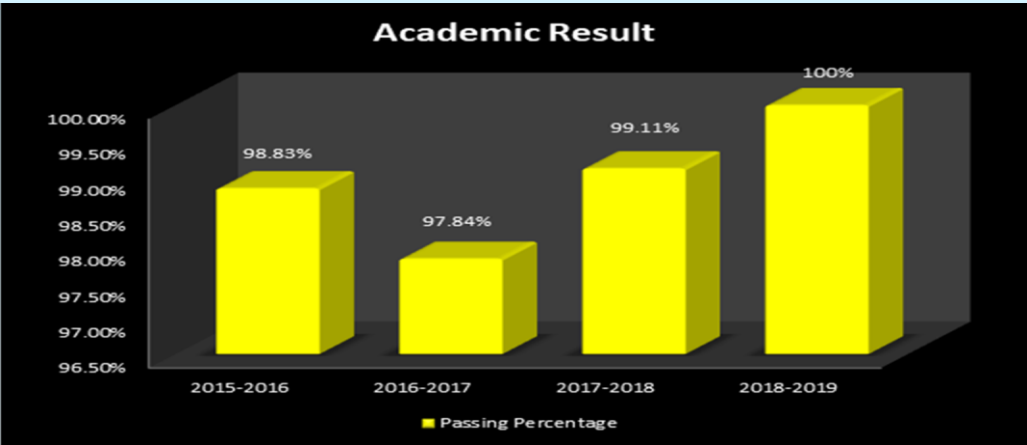
Faculty Strength

- 3 Ph.D
- 7 Pursuing Ph.D
- 1:18 Student Faculty Ratio
- 21 M.Tech
- 4 20+ years Experience
- 5 10+ years Experience
- 9 5+ years Experience

The placement lead of the department is entrusted with the responsibility of ensuring that students are well-placed professionally, thereby bringing to a successful culmination the students' efforts in the program. The students were well placed in reputed industries like IBM Labs, Infosys, Wipro, TCS, Amazon, Synopsis, EVRY India, Quinnox, Aris Global, Mindtree, E & Y, TEK Systems, Hashed In and Cognizant Technologies.

Placement Details

Year	Number of Students Placed	Number of Compaines Visited
2015-2016	37	19
2016-2017	51	30
2017-2018	58	52
2018-2019	86	61

ADMISSIONS, ACADEMIC RESULTS & PLACEMENTS

Department has excellent enrollment ratio with well record academic results from the day one. The department has well record of placements. Various industry oriented training will be conducted in the department to enhance the professional skills of the students. Pre Placement training will be given to all the pre final year and final year students by company experts, on different domains.

Academic Result

Year	Passing Percentage
2015-2016	98.83%
2016-2017	97.84%
2017-2018	99.11%
2018-2019	100%

Top Recruiters

IBM, TATA CONSULTANCY SERVICES, Wipro, EY, Infosys, amazon, Cognizant, DELL EMC², Robosoft Technologies EMOTION ENGINEERING & DESIGN, codilar, ACCORD Inspired to be innovative, Mphasis The Next Applied, SUBEX, Mindtree Welcome to possible, EVRY Digital +Advantage, Hashedin, GAIN INSIGHTS BETTER INSIGHTS, BETTER DECISIONS, SAP, maverric, Quinnox accelerate success, TechJini, vmware, TEK systems, valtech, JUEGO Studios
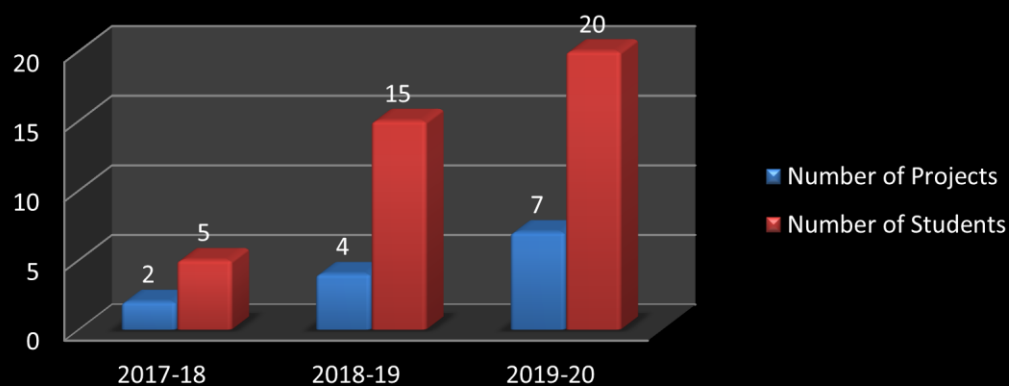
BEST PRACTICES OF THE DEPARTMENT

- Research Oriented Talks
- Workshops & Training/Hackathons
- Certifications & NPTEL Courses
- Internships & Industrial Visits
- Research & Review Papers
- Community Services

ACADEMIC & RESEARCH COLLABORATIONS

To enhance the industry institute interaction, department has been collaborated with reputed organizations and industries.

- National Atmospheric Research Laboratory (NARL)-ISRO, Gadanki, Chittoor, AP.
- National Remote Sensing Centre (NRSC)-ISRO, Hyderabad National
- Regional Remote Sensing Centre (RRSC)-South-ISRO, Bangalore
- Indian Institute of Information Technology(IIIT) Allahabad.
- Defence Institute of Advanced Technology, Pune
- Kumamoto University, Japan
- Hindustan Aeronautics Limited(HAL), Bangalore
- Calibre Code Pvt. Ltd. Bangalore
- Oscki Labs, Bangalore
- Dlithe, Bengaluru
- Vihan Sudhan Technologies, Mysore

HIGHER STUDIES & FOREIGN VISITS

Students are getting opportunity to do their higher studies in foreign university and constantly visiting various foreign universities like Kumomoto University Japan, Illinois Institute of Technology, USA etc and also some reputed Indian Universities like Indian Institute of Information Technology(IIIT) Allahabad, Defense Institute of Advanced Technology, Pune through MoU/Academic Collaborations.

INTERNSHIP

The mission of the Internship Program within the Department is to provide students with a rigorous, high quality educational and supervised internship experience, which will prepare them as competent and effective professionals. Every student gets an opportunity to work with Industry during their Engineering studies through Internship programs in reputed industries like IBM, Wipro, TCS, ISRO,IIIT, Infosys, Synopsis, Gain Insight, HAL, BSNL, BEL, BHEL etc.. This program provides our students with a means to integrate academic theories and principles with practical job experience through internships, thereby reinforcing and expanding classroom learning. Our Student Pramod presenting his Internship work in IBM Labs to Bob Lord, Vice President of IBM.

HACKATHONS

Our Students are constantly involved in online/offline coding activities like Hackathons. Every year department organizes inter-department and inter-collegiate hackthons, mockthons which provides the platform for the students to showcase coding, hacking, web designing, chatbot development and app development abilities and gave them a recognition. Mettle Hackthons, workshops & Training will be organized in association with Hackerearth, Hackerrank etc every semester to build coding and technical skills in every students.

TECHNICAL TALKS

We organize around 12 technical talks every year on recent industrial and research oriented concepts like Artificial intelligence, Machine Learning, Edge Computing, Cloud computing, Research Methodology, Block chain technologies, Bit Coin, Cryptography, cyber security etc. Technical talks cover technical concepts and ideas that make it easier for students to upgrade their knowledge on various domains. Technical talks are a good way to share information with other people who are working in technical spaces.
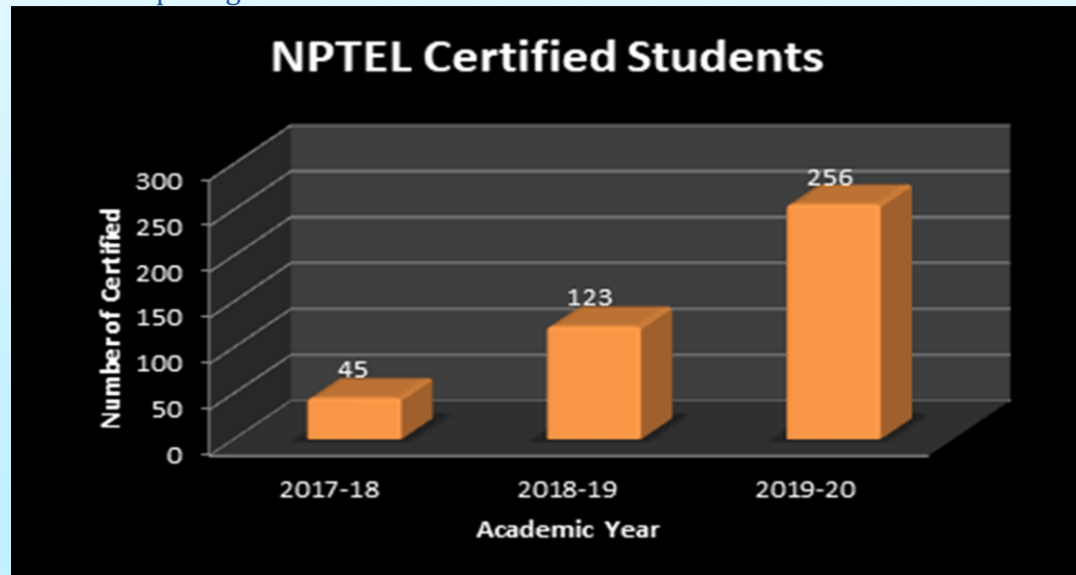

RESEARCH & INNOVATIONS

Department of CSE has a Research Centre recognized by VTU, Belagavi to carry out research & innovation work in the department for the Research Scholars, Faculty and Students. The qualified guides of the department are guiding the Research scholars in the area such as Computer Networks & Cyber Security, Blockchain Technologies, Data Science & Analytics and Wireless Adhoc Networks.

CERTIFICATION COURSES

NPTELOnline Certification Courses

Department of CSE students were actively involved in NPTEL Online Certification Courses and Certification Exams. About 178 students were successfully completed NPTEL Courses with Elite Gold, Elite Silver and Elite in last academic year on various courses like IoT, Machine Learning, Data Analytics, Java Programming, Cloud Computing etc.

All the Computer Science & Engineering Students are motivated towards free online certifications like Coursera, MIT Open Course, Hackerank, Hackerearth, GitHub Repository etc. Certification course are organized in association with will be arranged every academic year in association with Computer Society of India Student Chapter. Following are the list of few Certifications and Training:

Dell-EMC Data Analytics & Data Science

AI and Machine Learning

Cyber Security

Apple iOS Developer course

Android App development

Core java and Advanced Java

Web development course

Linux programming

Software Testing & Automations

Programming in Python Applications

INDUSTRIAL VISITS

We organize 2 to 3 industrial visit in each year for reputed companies likes ISRO , HAL, RRSC Bengluru, IISc Bengaluru, E & Y, Bangalore, VHEP, Hosangadi, Wipro etc. Which provides students an insight regarding internal working of companies. As theoretical knowledge is not enough for a successful professional career industrial visit provides students a practical perspective of the work place.

Industrial Visit to ISRO, Bangalore

Industrial Visit to I.I.Sc., Bangalore

RESEARCH LABS

Department has established an Additional Research Labs to enhance students experimental knowledge and skill. Envision lab encourages the students to take up research related projects like Internet of Things(IoT), Artificial & Machine Learning, Digital Image Processing and Data Science & Analytics..
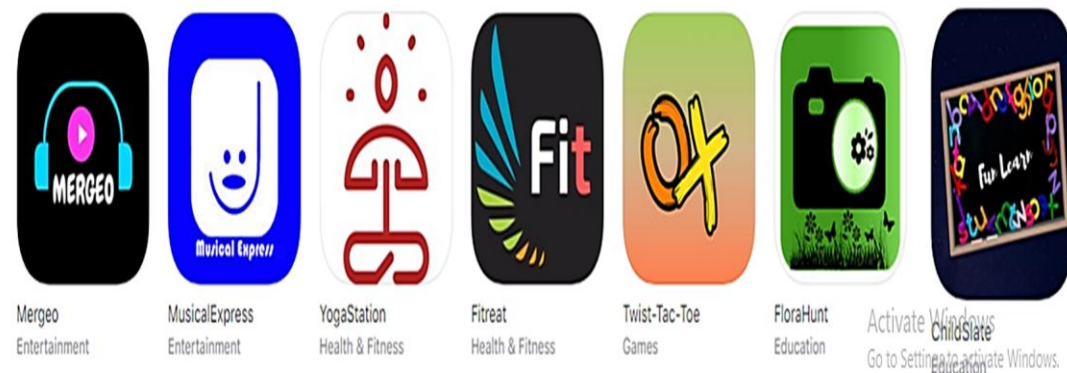
APPLE iOS Lab is established for developing various iOS apps for Activity Purpose. The institution has got Apple University Programme ID, currently all interested students of CSE, ECE, ISE are involved in App Development Activity through Certification Programs. Department conducts several certification course every year. Apple iOS Lab which facilitated for developing iOS Apps and 7 iOS app have been approved by App store.

LINUX LAB is established in the department to give the more importance on research based projects in Linux. The Linux lab focusing on various training related to IoT based projects using Python Programming. Prof. Edwin looks after the Linux lab and provides training to all the students time to time. Several workshop on "Free Open Source Software- Bootable Linux OS Via Flash Drive" are conducted successfully to ensure students get exposure to the Linux Platform.

Apple iOS App Development Lab

Edwins Linux Lab

COMMUNITY SERVICES

Department is continuously involved in Societal Program called "Kaliyona Computer- Rural Computer Education Camp" to Govt. Kannada Medium Schools. Every year department will donate computers to such identified Rural School during this program. Engaging in community service provides students with the opportunity to become active members of their community and has a lasting, positive impact on society at large. Community service or volunteerism enables students to acquire life skills and knowledge, as well as provide a service to rural students to gain knowledge about the usage of computer in toady life.

ALUMNI TESTIMONIAL

Anvitha Jain
MS in San Jose University, California

My Time in at Alvas has been a stepping stone towards my carrier and personal growth. Both The faculty and management have encouraged and helped me throughout my journey. It has been very interesting and valuable learning experience for me.

Rakesh Choudhary
Sr. Software Engineer, Synopsys

Alva's is a place for all-round development where equal importance is given to all the activities a student must go through. My journey in Alva's helped to gain confidence and also opportunities to find my abilities, realize my potential to achieve what I am today.

Akhilesh Melmani
SDET,
Samespace Inc.

AIET believes in "Not everyone fits the mold "approach. From enhancing soft skills to exploring current industry standards the CSE department has always been ahead of traditional approach. Our department has strived to maintain a healthy balance between innovation learning and academic for overall benefits.