

# *Prospectus*

2020-21



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY



CET CODE: 169

COMED-K CODE: E 006



### ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

**Shobhavana Campus, Mijar - 574 225 Mangalore, D.K.**

Phone: 08258 - 262724, 262725/16/17/27/29 Fax: 08258 - 262726,

Mobile: 9845050268, 7892552533, 9448458334

E-mail: [principalaiet08@gmail.com](mailto:principalaiet08@gmail.com) Website: [www.aiet.org.in](http://www.aiet.org.in)



# ALVA'S EDUCATION FOUNDATION (R)

Sundari Ananda Alva Campus, Moodbidri - 574227, D.K. District, Karnataka, India

*Moulding a better tomorrow*



Alva's Education Foundation (AEF) established in 1995 with the vision of our Chairman Dr. M. Mohan Alva has succeeded in making Moodbidri an Educational hub in the South Canara Region, with 25000 students pursuing various courses ranging from primary to post-graduate courses in social sciences, pure sciences, engineering and management. AEF has become the center of learning for the entire state of Karnataka. There are 21 institutes functioning under the AEF banner. AEF also has students from countries like Srilanka, Nepal, Bhutan, Sudan, Switzerland etc. The commitment of AEF towards the society is evident from the level and quality of infrastructure created for the purpose of imparting traditional as well contemporary education.

Alva's Education Foundation has been adopting students since two decades. This year foundation has adopted 4500 students for free education scheme offered on the basis of their meritorious performances in academics, sports, cultural and also for physically challenged and economically backward students. The philanthropist and men of vision have been endeavouring towards the cause of education under the aegis of this august association. Alva's Education Foundation name is synonymous with discipline, punctuality, humility and fulfilment.





**Dr. M. Mohan Alva**  
Chairman  
Alva's Education Foundation ®

Knowledge is power and education is a path to imbibe it. Alva's Education Foundation 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 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.

Alva's Education Foundation also believes in sensitizing students to the Indian culture and ethos to preserve the basic fabric of the Indian society. Sports are the integral part of the foundation curriculum that aims at developing a competitive spirit amongst the students. In brief Alva's Education Foundation aims at holistic development of students who will ultimately become responsible citizens of the country.

## MESSAGE



**Mr. Vivek Alva**

Managing Trustee, Alva's Education Foundation

Alva's Education Foundation strives towards providing the best education to young learners and around 26,000 students are pursuing their education under various streams from kindergarten to Post Graduation. This is a tribute to the Foundation's standard of excellence in academics and commitment to quality education.

Challenges and opportunities are two sides of the same coin. Modern education, curriculum development and teaching methodologies have to keep pace with the demand of the environment. Holistic education should include all-round development of a student.

We all have to ensure that there is no stone left unturned to equip the student of today for the challenges of life. This will require tremendous self-motivation on the part of all concerned but will be fulfilling for the student as well as the faculty.

## Principal's DESK



Alva's Institute of Engineering & Technology (AIET) is having a vision of imparting quality technical education to meet the needs of both industry and society globally. In providing quality based education it is our prime responsibility to instil high levels of discipline among student community to make them ethically strong citizens capable of contributing their gained skills to the development of society and mankind.

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 the real life challenges, the efforts must be put in to provide qualitative, value based and activity oriented education.

**Dr. Peter Fernandes**, M.Tech., M.B.A., Ph.D.

# ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Alva's Institute Of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation established in the year 2008. AIET is strategically located adjacent to Moodbidri -Mangalore National Highway, which is 24 Kms from Mangalore International Airport. It has a lush green campus spread over 30 acres; a part of ALVA'S-SHOBHAVANA, 144 acres spread on a famous herbal garden with more than two thousand variety of herbal plants.

## Unique Features:-

- ✱ 42 MOUs with leading universities and organizations of national and international repute
- ✱ Association with pioneer research organisation like ISRO, HAL, BEML, NAL, IIIT etc.
- ✱ 15+ Add on research labs for innovation, product development and student start-ups
- ✱ More than 100 guest lectures in a year
- ✱ 30+ clubs such as Rostrum – speakers club, Srishti- nature club, Entrepreneurship Development Centre
- ✱ 35 professors with Doctorate degree in various streams
- ✱ Compulsory internship of 45+ days in research organisations and premier companies like IBM, Amazon etc.
- ✱ University Champions in sports and cultural competition for 3 consecutive years
- ✱ UPSC Civil Service training Centre, GATE coaching and SSB training club for joining Indian defence
- ✱ Authorized Cambridge English language assessment training and examination centre
- ✱ 400 Mbps Wi-Fi enabled campus
- ✱ The institute has well-furnished in campus hostels with modern amenities

## VISION

“Transformative education by pursuing excellence in Engineering and Management through enhancing skills to meet the evolving needs of the community”

## MISSION

1. To bestow quality technical education to imbibe knowledge, creativity and ethos to students community.
2. To inculcate the best engineering practices through transformative education.
3. To develop a knowledgeable individual for a dynamic industrial scenario.
4. To inculcate research, entrepreneurial skills and human values in order to cater the needs of the society.





## Courses Offered

Electronics and Communication Engineering  
Information Science and Engineering  
Computer Science and Engineering  
Mechanical Engineering  
Civil Engineering  
Artificial Intelligence & Machine Learning

## Post Graduate

### MBA

Core Specialisations - HR, Finance and Marketing  
Dual Specialisations – HR/Marketing, Finance/Marketing, Finance/HR

### Ph.D

Computer Science and Engineering, Electronics and Communication Engineering,  
Mechanical Engineering, Management, Physics, Chemistry, Mathematics



## Computer Science and Engineering

### Unique Features

- Accredited by National Board of Accreditation (NBA), New Delhi valid from 01-07-2019 to 30-06-2022 for the period of 3 years.
- Intel-FICE Lab was established with Atom Processors in the year 2013-14.
- Apple iOS Developer Lab was established in the year 2014-15. Department is recognized as “iOS Developer University Program” with institution id 6MKL3RX9SK from Apple Developer Program Support during January 2015.
- Edwin's Linux Lab was established during 2015-16 to promote the open source softwares.
- Department student Forum is active in Innovative Programmes like Kaliyona Computer-A Rural Computer Education Camp and Linux Awareness Program: for first year students to promote the Open Source Softwares.

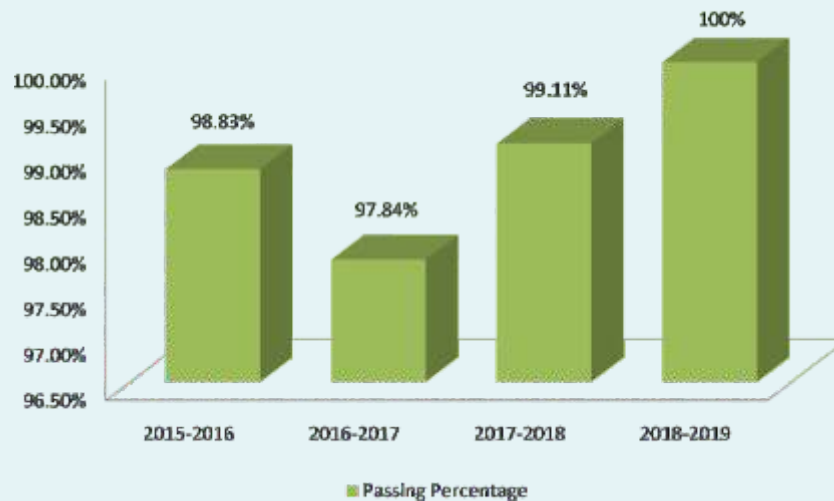
### Projects -

Sl. No.	Project Domain	Number of Projects		
		2019-20	2018-19	2017-18
01	AI/Machine Learning	06	01	01
02	Image Processing	01	03	01
03	Big Data/DM	02	01	01
04	Computer Network/Mobile Apps	06	02	09
05	IoT/Cloud Computing	08	12	08
06	Data Security/Web technologies	03	04	05

### Special Labs -

1. Apple iOS App Development Lab - 7 iOS Apps were approved by App Store
2. Edwin's Linux Lab
3. Intel Intelligence Lab

## Academic Result



## Certifications and Training

w Dell-EMC Data Analytics & Data Science  
 w AI and Machine Learning  
 w Cyber Security  
 w Apple iOS Developer course  
 w Android App development

w Core java and Advanced Java  
 w Web development course  
 w Linux programming  
 w Software Testing & Automations  
 w Programming in Python Applications

## MbU / Academic Collaborations with various organizations like

w National Atmospheric Research Laboratory (NARL), Gadanki, Chittoor, AP.  
 w National Remote Sensing Centre (NRSC), Hyderabad  
 w Regional Remote Sensing Centre (RRSC)-South Bangalore  
 w ISRO Head Quarters, Bangalore  
 w IIIT, Allahabad

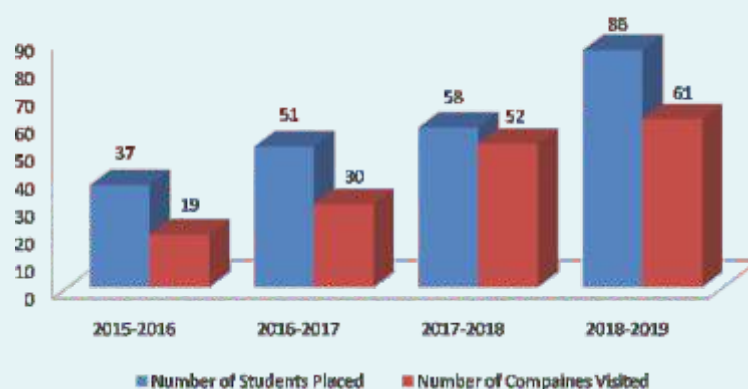
w Kumamoto University, Japan  
 w HAL, Bangalore  
 w Calibre Code Pvt. Ltd. Bangalore  
 w VihanSudhan Technologies, Mysore  
 w Oski Labs, Bangalore  
 w Dlithe, Bengaluru

## Research Labs

The research center emphasis on research under various specializations that includes, Computer Network Security, Mobile Adhoc Networks & Wireless Sensor network, Algorithms & Data Mining and Data Science for the research scholars.

## Placement

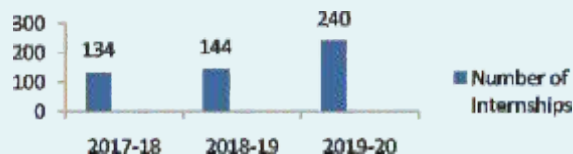
### Placement Details



# Electronics and Communication Engineering

## Unique Features of the department

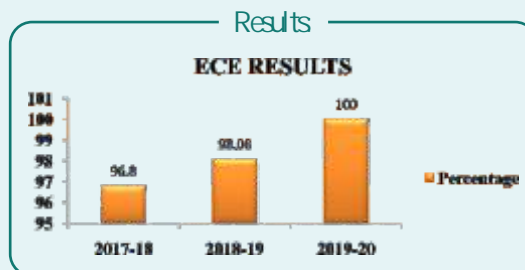
- w Best learning environment to enable the students to face the challenges of Electronics and Communication Engineering.
- w The department is accredited by NBA, New Delhi
- w The department has 4 Doctorates and 4, who are currently pursuing Ph.D.
- w The department has more than 12 MOU's with Premier organizations.
- w Internship -The students are encouraged to pursue internship program through MOU's/Academic collaborations. The students have successfully completed their internships in premier organizations viz. ISRO, SCL, IISC, BEL, RRSC, NARL, NRSC, IIIT Allahabad, DIAT Pune, DRDO, Bosch, ABB etc
- w 45 days Boot Camp-Pre-Placement Training
- w Result - 100% -All FCD's
- w 95% placements in the academic year 2019.
- w Organizing National & International conferences/ workshop on a regular basis.
- w 90+ research publications in referred journals/conferences.
- w Funding of Rs. 1 Crore from KCTU.
- w 19 faculty members with more than 12 years of teaching experience.
- w The department has IETE-ISF forum under which various technical programs are conducted.
- w 12 Technical Talks per Year
- w 4 Certification Courses per Year
- w 3 Industrial Visit per Year
- w 3 Faculty Development Programs per Year
- w Project Exhibition Evaluated by Professionals from premier organizations.
- w Gate Coaching
- w The students are encouraged to take online courses offered by NPTEL- MOOCS and also to take part in technical events organized by premier organizations.



## Labs

The department has following labs with latest software and configurations:

- w Digital Electronics lab
- w Analog Electronics lab
- w Communication Lab
- w Digital Signal Processing Lab
- w Micro Processor/Microcontroller Lab
- w HDL Lab
- w CCN lab
- w Electrical Lab
- w Project Lab
- w eYantraRobotics Lab
- w Envision Lab
- w MEMS lab
- w Edwin's the Linux Lab



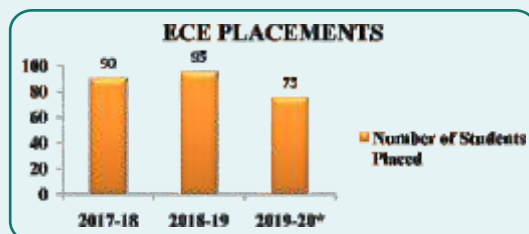
## MOUs

### Mou's Of The Institute Related To ECE Department

1. ISRO Head Quarters, Bangalore
2. National Atmospheric Research Laboratory, Gadanki, Chittoor, AP
3. National Remote Sensing Centre (NRSC), Hyderabad
4. Regional Remote Sensing Centre (RRSC)-South Bangalore
5. Kumamoto University, Japan
6. Indian Institute of Science IISc, Bangalore
7. Indian Institute of Information Technology, Allahabad
8. Bharath Electronics Limited, Bangalore
9. ABB, Bangalore
10. CSIR-NAL, Bangalore
11. Oski Labs, Bangalore
12. ICT Academy, Bangalore
13. VihanSudhan Technologies, Mysore.
14. Electronics For You

## Placement

Coming to placements, we have an excellent pool of companies visiting our campus which include EY, Infosys, TCS, Wipro, IBM, SLK, Cognizant, Bosch, TVM Signaling, Sankya Labs etc. Around 82 companies visit our campus to hire students from ECE and more than 90% of our students are placed in companies of their choice. The average package is 3 LPA.





# CIVIL ENGINEERING

## Unique Features of the department

### Consultancy Cell

- © The department has well established infrastructure and dedicated faculty expertise to take up consultancy works from various Governmental and non-governmental organizations.
- © The Govt. agencies have recognized the Department of Civil Engineering as Third Party Consulting Agency. The Department is authorized to give Design and test reports for the clients.

### Model Lab

- © Along with the regular laboratories, the Department has a unique Model lab which includes Irrigation models, Structural Models and Reinforcement models. They are used as teaching aids and helpful to enhance the imagination of students.
- © Geotechnical Engineering lab has an exclusive collection of different soil samples from various districts of Karnataka. Geology lab has an exclusive collection of Rocks and Minerals.

### Certification Diploma Course in Architecture

- © The department has introduced a unique Certification Diploma Course in Architecture for students during weekends & vacation. The theory and practical subjects taught during the course help the students to bridge connection between Civil Engineering & Architectural aspects.
- © In addition to weekend and vacation classes, Department also organizes Certification Program, Workshops and Industrial site visits which are connected to Architecture.

### KSCST Sponsorship

- © More than 10 student projects have been funded by KSCST during last 4 years.

### MoUs

The department of Civil Engineering has 2 active MoUs with reputed organizations-

\* Agrima Roof and Facade Systems, Bangalore, Karnataka, India.

\* Geo Informatics, Department of Marine Geology, Mangala Gangotri, Mangalore University, Mangalore

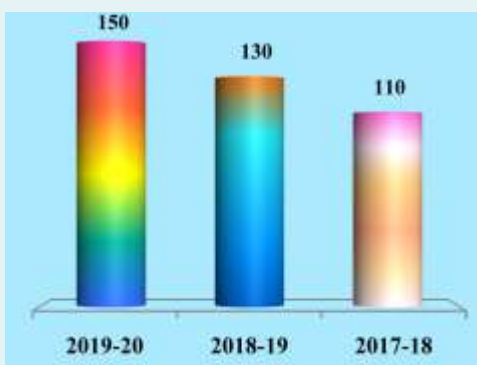
### PMKVY

- © The department of Civil Engineering has been recognized by Pradhana Manthri Kaushalya Vikas Yojana(PMKVY) for conducting Skill training programs under Construction sector.
- © The skill training has been given for candidates on various courses such as Mason Concrete, Mason General, Reinforcement Fitter, Assistant Mason and Helper Mason.

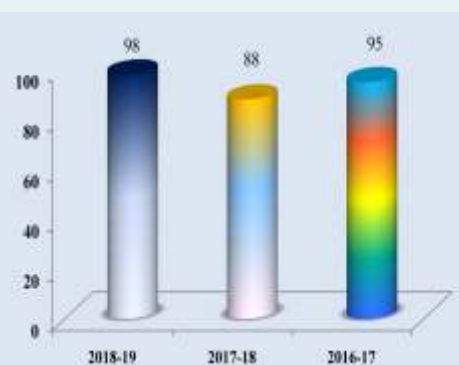
### Internships

The Dept of Civil Engineering offers mandatory internships of 45-60 days for all students in the reputed Government and Private organizations during the semester end vacations as an integral part of curriculum.

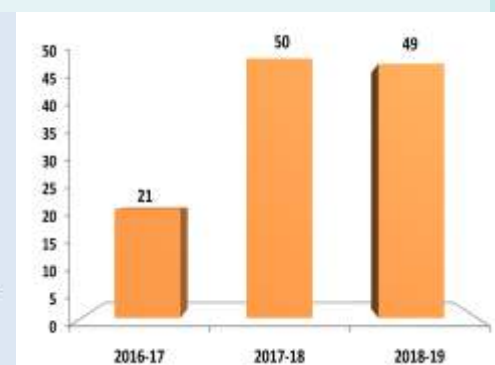
NUMBER OF STUDENTS UNDERGONE INTERNSIPS



PERCENTAGE OF RESULTS



NUMBER OF STUDENTS PLACED



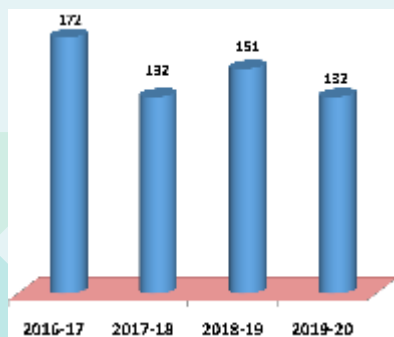
## Uniqueness of the Department

- w The department is functionally divided into four broad areas of specialization with well qualified and dedicated faculty: (i) Design (ii) Manufacturing (iii) Thermal and iv) Materials Engineering
  - w The department is recognized as Research Centre by VTU Belagavi.
  - w Students have filed for patent based on research projects
  - w The Auto Club of department successfully designed, developed formula race car and received appreciation in national formula race event.
  - w The department is recognized as nodal centre for PMKVY Automotive sector skill development programs such as CNC, Lathe, welding practices.
  - w The Department is known for organizing every year a mega event Motorig showcasing of old, new, modern and advanced Automobile vehicle exhibition.
  - w UG Students are actively involved in internship program
    - Student mentoring program is well designed to achieve comprehensive development.
- Mechanical Engineering students Mr. ANUP NIHAL DSOUZA, Mr. MANOJ KUMAR, Mr. NESAR S SHETTY, Mr. RAJENDRA received Rs. 40,000 from VGST fund to carry out Agriculture equipment based project.

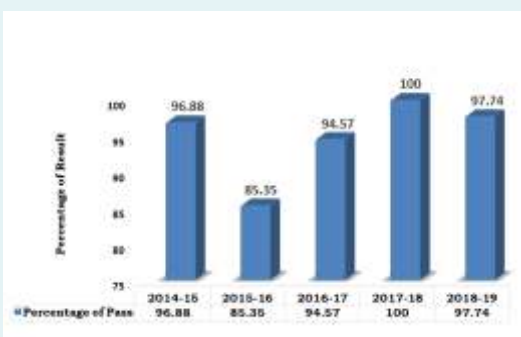
## Student Result and Placements

- w Department achieves consistency excellent results every year
- w Students got placed in top companies. The companies visit regularly for the recruitment are M/s Bosch, Indo-Mim, Automotive Axles, TATA motors, ToyotoKirloskar Motor Pvt Ltd, Silver Peak, Maniranjan Diesel Engines etc

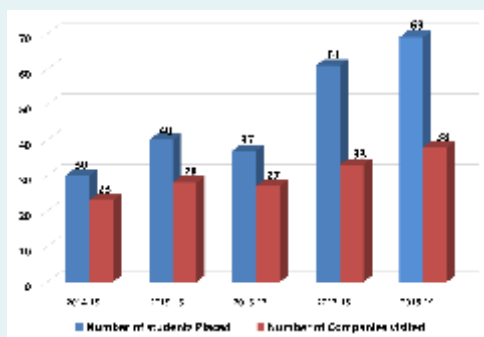
### INTERNSHIPS



### ACADEMIC RESULT ANALYSIS



### PLACEMENT DETAILS



## MoU's

Department has signed MoU's with

- w Kumamoto University, Kumamoto, Japan.
- w SKF Boilers and Driers Pvt. Ltd, D. No 129, Bannadkabelavi, Moodbidri.
- w Defence Institute of Advance Technology, (Deemed University) Pune.
- w V&G Industrial Testing Laboratory, Mangalore.

## Research

- w Faculties have published more than 262 papers in indexed journals and 564 research papers in Non Indexed Journals and
- w Department has successfully completed 12 Karnataka State Council for Science and Technology (KSCST) Sponsored student Projects.
- w Students are encouraged to pursue higher studies in abroad under student exchange Program.

## Information Science and Engineering

The department has well qualified, experienced and committed faculty to provide quality industry tuned education to the students. Department has well equipped laboratories housing state of the art equipments including computer systems with latest configurations, which are completely networked and latest software's for applications and development areas. The Department carries out various Industry-Institute interaction events for the benefit of the students and faculty. The Department conducts various technical Seminars/hands-on session Workshops/Certification programs and Hackathons for students to enhance their skill and to bridge the gap between curriculum and industrial requirements. Department organizes various placement activities for students to enrich their coding skill and professional behavior.

### Unique Features :

- w Department Forum is active and conducts Teck Crunch-An inter college level technical event every year.
- w Department conducts social activities like AVANI-KesardOnji Dina and AMSA-A Charitable Movie show every year and utilizes the collected amount for social purpose like donating to CRPF Funds and Old age home people.
- w Implementation of final year projects in various domains like Image processing , Computer Network Security , Cloud Computing , IoT , Web Technologies and publishing project papers with results in SCOPUS indexed journals like Springer, Elsevier and IEEE.
- w Developing iOS Apps and placing them in App Store.

### ACADEMIC & RESEARCH COLLABORATIONS

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

- w National Atmospheric Research Laboratory (NARL)-ISRO, Gadanki, Chittoor, AP.
- w National Remote Sensing Centre (NRSC)-ISRO, Hyderabad National
- w Regional Remote Sensing Centre (RRSC)-South-ISRO, Bangalore
- w Indian Institute of Information Technology (IIIT) Allahabad.
- w Calibre Code Pvt. Ltd. Bangalore
- w Oski Labs, Bangalore

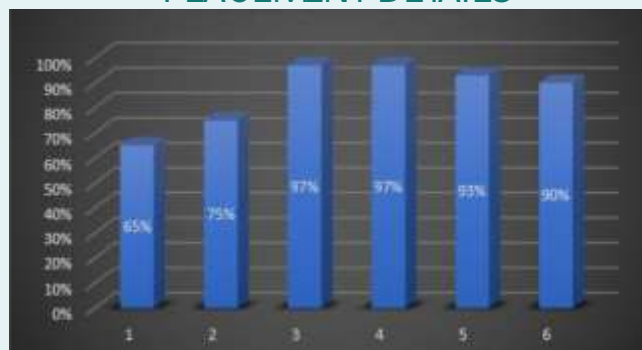
### Placements -

Department has excellent enrollment ratio with well recorded academic results from the day one. The department has well record of placement in this region. The students were well placed in reputed industries like IBM Labs, Infosys, Wipro, Robosoft, DXC Technology, EVRY India, TATA Consultancy, Techjini, Heraizen Technology, E&Y, Goan, DeltaDynamix.

#### ACADEMIC RESULTS



#### PLACEMENT DETAILS



### Internships:

- w Department organizes internships for final and pre-final year students in association with top industries like IBM, ORACLE, TCS which helps students to get placed.
- w Department also sends students to do their internships in top organizations like IIIT-Allahabad , ISRO-Bangalore , NRSC-Hydrabad and HAL-bangalore.



# ● MASTER OF BUSINESS ADMINISTRATION

## Unique features of the Department

- Ph.D qualified senior faculty with industry experience
- Lead centre for The Indian Society for Training and Development (ISTD), Mangalore - Udupi Chapter
- In-campus certification programmes - Business English Certification from Cambridge University, GST, Payroll etc
- Recognized Research Centre for Ph.D. under Visvesvaraya Technological University
- National, International and Local Industrial visits
- US taxation training for Placements in EY, Oracle, Deloitte
- Individual counselling for all students
- Industry focused Placement Training and Leadership development programmes
- Scholarship for top scorers & achievers in sports and cultural events
- In campus hostel facilities with WiFi & Gym.
- State of Art Library, IT and Communication Labs



## Eligibility Criteria for MBA Programme

Any graduate with min 50% marks and above, having appeared for PG CET, KMAT, CAT, MAT (45% for SC/ST Students of Karnataka)

The Department offers core specialization in

- Finance
- Human Resource
- Marketing Management

And Dual Specializations in

- Finance and Human Resource
- Finance and Marketing Management
- Human Resource and Marketing Management



**Rinu Thomas**

Secured **2nd Rank** in  
Visvesvaraya Technological University  
Placed with EY, Bangalore, through Campus Placement



**Bindu Sapkota**

Secured **5th Rank** in  
Visvesvaraya Technological University

## 100 % Placement with Top Recruiters



## Value Added Labs

The institute considers its labs should provide solutions through projects and study. Students support fund has been created to support innovative ideas from students. These labs are working in consultation with industry and society in general solving problems and creating solution. These labs are in addition to the regular labs. Presently there are 15 additional labs at the premises.

### MEMS LAB



MEMS is the process technology used to create timing integrated devices or systems that combine mechanical and electrical components. They are fabricated using integrated circuits(IC) batch processing techniques and can range in size from a few micrometers to millimeters. Students of our college has carried out different projects in MEMS lab like antenna, co-axial cable & Electric Sensor design. This lab comprises of 20 high-end computers with coventerware and Comsolsoftwares.

MEMS Lab at AIET, is a state of the art research laboratory which enables our students and faculties to design and analyze MEMS based models. MEMS, a niche area with applications in variety of engineering fields such as aerospace, mechanical, electrical, communications and this lab facilitates the students to carry out research activities by designing and modelling various types sensors and actuators. The lab provides a great and unique platform for students to work in the field of MEMS which in turn helps them to publish technical papers in reputed journals and conferences. To add credits to the lab, the research scholars have published patents in emerging topics and need of the hour like hydrogen fuel cells.

### Innovation Lab



Innovation Lab at AIET is a semi-autonomous organization that engages diverse participants on a long-term basis in open collaboration for the purpose of creating, elaborating and prototyping radical solutions. The innovation lab is an incubator and accelerator which serves as a collector for creative ideas. Four Students of Mechanical Engineering department have generated an innovative idea to increase the yield per square inch by using Vertical Farming Technique. This idea has been selected for National Level project exhibition by AICTE-ECI-ISTE ChhatraVishwakarma Awards 2018 held on Nov 29-30 2018 at Acharya Institute Of Technology, Bangalore

### eYantra



Sponsored by MHRD under the National Mission on Education through ICT program, an initiative by IIT Bombay. Four students from our institute have won the second prize in the sixth edition of

National-level e-Yantra Robotics competition held at IIT Bombay e-Yantra Lab Setup Initiative (eLSI) is a college level program under which our college conducts a workshop on robotics to students, which has helped our students in knowing the basics and programming a robotic kit. Students can participate in eYRC all India robotics competition to encourage students to develop a solution to the given problem using robotic kit. AIET is privileged to be a part of this initiative since 2014 for the effective utilization of e yanta robotics lab. Students can do mini project and Main project using this Lab.



## Value Added Labs



### EDWIN'S LAB

Students working in EDWIN'S LAB are using Free Libre Open Source Software. Students range from neophytes to most advanced. The hardware ranges from basic microprocessors to very high end computer workstations with high end graphics capability with IPS Displays. Sensors and interface circuitry are included individual. Individual attention is given to each student to tailor assignments and projects. Students are guided by professor Edwin personally. Workshops are periodically given.



### INTELLIGENCE LABS

Intel Intelligence Systems Lab was established in the department of Computer Science and Engineering during the year 2013. In this lab students carry out projects on Intel FICE using Atom processor.

### CNC LAB



CNC Hands-on Training Conducted by the Department of Mechanical Engineering. This program aims at exposing CNC Turning & Milling to the Diploma /ITI students, enables them to understand, explore, research and contribute to the domain. We also provided hands on classes in CNC turning & milling, which will be helpful to understand the theory part of CNC programming. CNC machining is the latest trend in industry.

### ENVISION LAB



is set up by the team of Oski Labs Pvt Ltd in collaboration with Alva's Institute of Engineering and Technology. It's completely designed and built from scratch by students under the guidance and expertise of Oski Labs resource personnel. The lab is built on the principles of 'maker's space' and is a multidisciplinary prototyping and research lab, open to both faculties and student community. Through lab one project has Indian procured provisional patent and KidZ project got 200\$ funding from Texas Instruments for India design challenge for the final round.



### APP DEVELOPMENT LAB



Department of CSE, AIET Moodbidri is now recognized as an Apple IDUP Centre. Students have developed different IOS app's like MERGEO, YOGA

STATION and many more which are available in App Store.

Apple iOS Lab for App Development Activity Purpose. The institution has got Apple University Programme ID, currently all interested students are involved in App Development Activity through Certification Programs. At the end of the every course on successful competition of App, the students are honored with Apple Developer Certificates.



## ● MbU's & Academic Collaboration of Alva's with Leading Knowledge Partners ●

Alva's Institute of Engineering and Technology is collaborated with more than 40 premier research organisations and industries. Students and staff do their internships, live projects, doctoral studies, consultation projects etc., where students get real time exposure. We have memorandum of Understanding with these following institutes:

- |   |  |
|---|--|
| F ISRO Head Quarters, Bangalore   |  |
| F National Atmospheric Research Laboratory, Gadanki, Chittoor, AP               |  |
| F National Remote Sensing Centre (NRSC), Hyderabad                              |  |
| F Regional Remote Sensing Centre (RRSC)-South Bangalore                         |  |
| F Indian Institute of Science (IISc), Bangalore                                 |  |
| F Indian Institute of Information Technology (IIIT), Allahabad                  |  |
| F Defence Institute of Advanced Technology (DIAT), Pune                         |  |
| F Semiconductor Laboratory, Department of Space, Chandigarh                     |  |
| F Foundry & Forge Division Hindustan Aeronautics Limited (F & F-HAL), Bangalore |  |
| F Bharath Electronics Limited (BEL), Bangalore                                  | F Bharath Earth Movers Limited (BEML), Bangalore |
| F Entrepreneurship Development Institute of India (EDII), Gandhi Nagar, Gujarat | F CSIR-NAL, Bangalore                            |
| F Siddaganga Institute Of Technology, Tumkur                                    | F Indus Towers Ltd, Bangalore                    |
| F Mangalore University  | F ICT Academy, Bangalore                         |
| F Oscki Labs, Bangalore   | F SKF Boilers & Driers Pvt Ltd, Moodabidri       |
| F EnviGreen Biotech India Pvt. Ltd.   | F VihanSudhan Technologies, Mysore.              |
| F Aegaeon Technologies Pvt. Ltd, Mysore   | F Electronics For You (EFY)                      |
| F Rakya Technologies Pvt Ltd, Bangalore.  | F Agrima Roof & Facade Systems, Bengaluru        |
| F Callibre Code Pvt Ltd, Bangalore.   | F District Administration, Chikkaballapura       |
| F District Administration, Dakshina kannada                                     |  |



### MoU's with International Universities

#### IN Belgium

Ghent University  
Ghent University Hospital  
NP-Bridging  
The University of Antwerp  
Christian Mutualities  
Herita

#### IN Netherlands

The University of Groningen  
University of Twente  
University of Wageningen

#### In the CZECH Republic

The University of Pardubice

#### In Portugal

The University of Aveiro

#### In Japan

Kumamoto University

### Student exchange programme between Kumamoto University and Alva's Institute of Engineering & Technology

Kumamoto University is a Japanese national university located in Kumamoto, Kumamoto Prefecture In The Kyushu Region Of Japan. Currently, the university has seven faculties and eight graduate schools with a total of around 10,000 Japanese students and 400 international students.

Nine students of our institute along with professor Dr Satyanarayan visited Kumamoto University, Japan for a week's educational program from 28th January to 4th February, 2018 on the invitation of the Government of Japan under the Japan-Asia Youth Exchange Program in Science, known as the "SAKURA Exchange Program in Science". The Government of Japan has granted a sum of about Rs 35 Lakhs to visit Kumamoto University



## MOUs of Alva's Collaboration with Leading Knowledge Partners

### Entrepreneurship Development Institute of India (EDII)

Entrepreneurship Development Institute of India (EDII) an Apex National Institute involved in Education Training and Research in Entrepreneurship.

Different Programmes of EDII involves for the development of students like Significance of Entrepreneurship in the present corporate scenario. Inputs on how to start a business. Inputs on Innovations and new Idea generation.



### MOU with Semiconductor Laboratory, Chandigarh

A memorandum of understanding has been signed between Semiconductor Laboratory (SCL), Chandigarh and Alva's Institute of Engineering and Technology(AIET), Mijar, Moodbidri, to work closely in research programmes and exchange scholars and students.

The agreement covers key areas of possible collaborations- to promote education and scholarly exchange, collaboration and technical interchange between the parties involved as educational partners, exchange of materials in education and research, publications and academic information.



### MoU With IIIT-Allahabad

A memorandum of Understanding has been signed between Indian Institute of Information Technology Allahabad (IIIT-A) and Alva's Institute of Engineering and Technology (AIET), Mijar, Moodubidire, to work closely in research programs and exchange scholars and students.

The agreement covers key areas of possible collaborations- to promote education and scholarly exchange, collaboration and technical interchange between the parties involved as educational partners, exchange of materials in education and research, publications and academic information. Joint organization of workshops and conferences, seminars, short courses on developing coding skills, technical training, invited talks on latest research topics and faculty development programs.

### MOU with DEFENCE INSTITUTE OF ADVANCED TECHNOLOGY, GIRINAGAR, PUNE

A memorandum of understanding has been signed between Defence Institute of Advanced Technology and Alva's Institute of Engineering and Technology as per the mutual interests in the fields of research, education, training and dissemination of knowledge.



MOUs with IIIT Allahabad



MOU with KUMAMOTO University, Japan

### Aiming for Centres of Excellence through IITs and NITs



We are happy to inform that a team of four students from our institute have won the second prize in the sixth edition of National-level e-Yantra Robotics Competition (eYRC-2017) held at IIT Bombay from March 22 to 24. The competition, spanning over six months, attracted a registration of 23,728 students from 508 colleges across the country.

### IIT Mumbai recognises Alva's Institute of Engineering & Technology as Nodal Centre for Spoken Tutorial Project

Project Launched by Ministry of Human Resources Development (MHRD) under Government of India and funded by National Mission on Education through Information Communication, the Spoken Tutorial Project will now be conducted through its new nodal centre for Dakshina Kannada at AIET.

# Alva's Tryst with Space

## A Successful ongoing partnership with ISRO

Alva's Education Foundation firmly believes that science is a wonderful vehicle for advanced technology. Indian Space Research Organization's (ISRO) path-breaking innovations in Space Science have inspired our Foundation's unstoppable dream of understanding and exploring space. It has catapulted AIET, Mijar into the nerve-centre of students' space programmes.

Soaring into space has always been a big dream of any young student! Alva's Education Foundation takes pride in establishing technology which is State-of-the-Art and inspiring for young minds to explore new possibilities in Space!

## Bhuvan Panchayat Project

ISRO/NRSC, Dakshina Kannada Zilla Panchayat and AIET (Alva's Institute of Engineering and Technology) have come forward for an MOU, to map the assets like Civic Amenities/ Infrastructure, Governance Assets, Human and Livestock Resource Assets, natural resources Assets and Productive Assets of all the Gram Panchayat's of Mangaluru Taluk.

AIET is one among the ten (10) colleges in India associated with ISRO for Bhuvan Panchayat Project. This initiative will help to map all the available assets in all Gram Panchayat's of Mangaluru Taluk, which will help in meticulous planning of the Gram Panchayat in future.

This project is looking at the growing need and to fulfil the gap of spatial data at panchayat level, NRSC/ISRO conceptualized and realised this project to empower Panchayati Raj Institutions (PRIs) and stake holders for spatial, participatory, integrated decentralized planning in the country.



## ISRO NAVIC FISHERMEN PROJECT

Indian Space Research Organization (ISRO) is the pride of our nation and has proved its efficacy & Strategic importance in the world. Our Country dreams it has a great level of accomplishing, Rocketing the dreams of common man. Space Technology has been converted into a bread technology for the poor through innovative milestone of ISRO over last decades. We are happy that Alva's Education Foundation got an opportunity to work with ISRO in expanding its mission of reaching the needy and unreached. The project NAVIC has been tendered for its practical and socio-cultural feasibility through the associated work of Alva's Education Foundation and ISRO. The report is a logical conclusion of the interaction & Technical dialogue undertaken with 420 fishermen communities of Coastal areas of Karnataka. This report embodies Socio-Cultural and Technical feasibility of using NAVIC and comparison of other devices for enriching the life of Common Fishermen.

## Automatic Weather Stations (AWS)

Measures parameters at ground level like; - Ambient temperature, Atmospheric pressure, Relative humidity, Wind direction, Wind speed, Sun shine duration and Rainfall.

Automatically records, updates at regular Intervals and transmits data to the satellite. The weather information collected through AWS could also be disseminated through the Village Resources Centers, being set up by ISRO in cooperation with NGOs and other agencies.

## Global Navigation Satellite System (GNSS) Receiver Network

Satellite-based navigation systems use a version of triangulation to locate the user, through calculations involving information from a number of satellites. Each satellite transmits coded signals at precise intervals. The receiver converts signal information into position, velocity, and time estimates. Using this information, any receiver on or near the earth's surface can calculate the exact position of the transmitting satellite and the distance (from the transmission time delay) between it and the receiver. Coordinating current signal data from four or more satellites enables the receiver to determine its position. The data can be used for military civilian and science applications. AIET is first Engineering College in VTU, where NARL-ISRO sanctioned and installed the GNSS Receiver Network station.





## DEPARTMENT OF TRAINING & PLACEMENTS

**197** companies carried out  
Campus Recruitment in 2018-19

Number of students placed **543**

**149** companies carried out  
Campus Recruitment in 2019-20

Number of students placed **398**



IBM



EY



Amazon



TCS



Wipro

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. The Training and Placement Department of the institute has a Training and Placement Head who overlooks overall placement activities right from the design, training and execution of placement drive under the supervision of various heads of the department and its respective departmental level placement leads & coordinators.

The Training and Placement Department believes in enhancing student's performance at the campus interviews. In this regard the department arranges soft skill & personality development program, workshops on Interview facing techniques and grooming them to make a quick learners, versatile, good team players, possess relevant skills set and technically competent technocrat.

### Boot Camp:-

Boot Camp is a continuous one month training programme for final year students to make them career ready. It involves series of guest lectures, technical and non-technical industry specific training programmes, workshops, aptitude, soft skill training programmes and physical fitness exercises. It is mainly conducted to overall personality development of students and makes them ready to face the future challenges of the industry.

## Facilities within the Campus

### Gym Facility

Alva's Education Foundation is a firm believer of the principle- "A Sound Mind in a Sound Body". In view of this, Alva's Institute of Engineering & Technology has well-equipped and modern gymnasium facilities. The facility also features practice areas and competition facilities, making it relatively unique among other facilities available at our campus. With long hours of operation and a never-ending drive toward expansion of the facility and better organization of its features, AIET intends to build and nourish the overall development of students' personalities.



### Recreation Centre

There are few things as alluring as a healthy lifestyle, and the unique recreation centre at Alva's Institute of Engineering & Technology is determined to ensure that students pursue healthier habits during their time on campus.

### Diet Kitchen

At Alva's Institute of Engineering & Technology, there is a provision for students with specialized food needs. A Diet Kitchen, which offers varied, well-balanced diet, is available at the college premises.

### Food Court

Healthy, sustainable and delicious food is the feature of the Food Court at Alva's Institute of Engineering & Technology. A spacious dining hall with a wholesome menu is offered at the institute's food court.



### Transportation Facility

A full-fledged transportation department operates in the Foundation. Alva's Institute of Engineering & Technology provides excellent transportation facilities with a fleet of well-maintained buses to local and far-off places.

College provides bus facilities from Mangalore, Surathkal, B.C. Road, Karkala, Hebri, Udupi, Kundapura, Belthangady, Belman, Bailur, Mulki, Kapu & Udyavar.



### Medical Facility

Alva's Institute of Engineering & Technology has a full-fledged medical facility within the campus at Alva's Homeopathy and Naturopathy Medical College situated very close to the campus. The students can avail this facility in case of need.



Within a radius of 8 kms, we have our own 250 bedded multi speciality hospital. It provides the best medical facilities in the region.



## SPORTS

The students of our college are not only fairing well in studies but also equally good at sports and games. Many students of Alva's Institute of Engineering & Technology have represented the state & V.T.U in sports and won many prizes. Every year, college organizes many invitational & university matches in its college campus.

### Winners

Overall champions in vtuintergollegiate athletics 2018-19  
Men's champions in vtuintergollegiate weight lifting champion ship 2018-19  
Vtu intercollegiate men's kabaddi championship for 2017-18  
Vtu intercollegiate women's kabaddi championship for 2017-18  
Vtu intercollegiate women's kabaddi championship for 2018-19  
Vtu intercollegiate men's ball badminton championship for 2017-18  
Vtu intercollegiate men's ball badminton championship for 2018-19  
Vtu intercollegiate women's ball badminton championship for 2017-18  
Vtu intercollegiate women's ball badminton championship for 2018-19  
Vtu intercollegiate women's cross country championship for 2017-18  
Vtu intercollegiate men's cross country championship for 2018-19  
Vtu intercollegiate women's kho-kho championship for 2017-18  
Vtu intercollegiate women's kho-kho championship for 2018-19  
Vtu intercollegiate Mangalore zone men's kho-kho championship for 2017-18  
Vtu intercollegiate Mangalore zone men's kho-kho championship for 2018-19  
Vtu intercollegiate Mangalore zone men's kho-kho championship for 2019-20  
Vtu intercollegiate men's volleyball championship for 2017-18  
Vtu intercollegiate Mangalore zone women's badminton championship for 2017-18  
Vtu intercollegiate women's kho-kho championship for 2017-18  
Vtu intercollegiate women's kho-kho championship for 2018-19



### RUNERS

Overall Runners in Vtu intercollegiate athletics 2017-18  
Overall Runners in Vtu intercollegiate athletics 2019-20  
Vtu intercollegiate women's cross country championship for 2018-19  
Vtu intercollegiate women's cross country championship for 2019-20  
Vtu intercollegiate men's cross country championship for 2019-20



Alvas Institute of Engineering and Technology  
awarded  
with Rs. 1,00,000

for "Sports and Cultural Excellence" in the academic year 2018-19  
On the occasion of "Achievers' Day" event on October 19, 2019



## Eminent Personalities Visited the Institute for Motivational Speech

At Alva's Institute of Engineering & Technology students are up to date with emerging trends and streams of thought. The campus is witness to expert talks and workshops, visits by industry academia experts, artistes, etc

The Foundation has been giving more importance for the overall personality development of students. Through different clubs it is attracting eminent speakers from National and International repute. This is done to ensure that the students get a wide range of exposure not only in technical topics but also in non-technical and social issues.



**Dr. M.K. Sridhar**  
Former Executive Director,  
Karnataka Knowledge Commission



**Dr. N. Santhosh Hegde**  
Former justice  
Supreme Court of India



**Dr. Subramanian Swamy**  
Economist and former  
Cabinet Minister of India



**Prof. R. Vaidyanathan**  
IIM, Bangalore



**Dr. S.N. Balagangadhara**  
Prof. Ghent University and  
Director India Platform



**Padma Bhushan Dr. B.N. Suresh**  
Indian Aerospace Scientist  
Professor at ISRO



**Justice Chandrashekaraiah**  
Former High Court Judge,  
Karnataka



**Padma Bhushan Dr. B.M. Hegde**  
Medical Scientist,  
Educationalist, Author



**Brigadier I. N. Rai**  
Former Commander of an  
Infantry Brigade



**Major General A. Arun**  
Deputy Commandant & Chief Instructor,  
Officers Training Academy, Chennai



**Mr. Suresh Heblikar**  
Kannada Film Maker, Director, Actor



**DIG S.S. Dasila (TM)**  
Commander of Indian Coast Guard  
(Karnataka)



**Dr. Karisiddappa**  
Hon'ble Vice Chancellor, VTU, Belagavi



**Commodore Ben Burson**  
Indian Navel Academy, Ezhimala Kochhi



**Dr. T.V. Ramachandra**  
Energy & Wetlands Research Group IISc,  
Bangaluru



**Padmashree Dr. A.S. Kiran Kumar**  
Chairman, ISRO



**Gaur Gopal Das**  
Motivational Speaker



**Dr. P. Nagabhushan**  
Director, IIIT, Allahabad



**Padmashree Dr. Malathi Holla**  
International Athlete &  
Arjuna Awardee



**Padmabhushan Dr. U.R. Rao**  
Space Scientist,  
Former Chairman, ISRO



**Dr. David O. Wiebers**  
Emeritus Professor of Neurology at  
Mayo clinic in Rochester, Minnesota



**Swami Purnamritananda Puri**  
General Secretary  
Mata Amritanandamayi Math



**Dr. Giridhar Kulkarni**  
Director, Centre for Nano and  
Soft Matter Sciences, Bengaluru



**Annamalai K. IPS**  
DCP, Bangalore South



**Dr. Harish R.Bhat**  
Former Research Scientist IISc. Bangalore



**Dr. L.C. Soans**  
Director, Soans Farms, Moodbidri



**Amol Madhav Dave,**  
Former Minister of State (Independent Charge) for Environment,  
Forest and Climate Change, Government of India.



**Dr. Ravi N Margasahayam**  
Safety and Mission Assurance at NASA



**Padma Vibhushan Dr. V.K. Aatre**  
Indian Scientist & Former Head DRDO



**K. Jayaprakash Hegde**  
Former Minister for Ports and Fisheries,  
Karnataka



**Mr. Daya Nayak**  
Police officer, Maharashtra



**Mr. Awdhesh Singh**  
Author, Educator, Motivational Speaker



**Mr. Anil Bokil,**  
Key member of ArthaKranti Sansthan



**Mr. Pradip Phanjoubam**  
Editor, Imphal Free Press



**Captain Roy Choudhury**  
Captain, Indian Navy



**Salu Marada Thimmakka**  
Environment Activist



# Life at Campus



NATURE CLUB



MOTORIG



ADHYATHMA

SPIRITUAL CLUB



YOGA & MEDITATION CLUB



TRADITIONAL DAY CELEBRATIONS



CHIRPP CLUB

BIRD WATCHERS CLUB



SSB TRAINING AND COACHING CLUB

SSB TRAINING CLUB



CHAKRAVYUH

NATIONAL LEVEL FEST



NSS



STUDENTS PROJECTS

Formula-3-RACING CAR



NCC



ENTREPRENEURSHIP DEVELOPMENT CELL



INNOVATION AND WE



ANNUAL DAY CELEBRATIONS



ROSTRUM

SPEAKER'S CLUB



CONFERENCES



WORKSHOPS



KESARALLI ONDU DINA

RURAL GAMES



SWACHH MIJAR



IMAGE-IN

PHOTOGRAPHY CLUB



LIVE PROJECTS



SANJEEVINI

BLOOD DONATION CAMP



GUEST LECTURES

## ALVA'S EVENTS

### Alva's Virasat

Alva's Virasat, an internationally acclaimed cultural spectacle, showcasing known and unknown facets of Indian classical cultural and musical performance. This programme attracts more than 40 thousand audience from various parts of the country and adherent fans from countries like Germany, Japan, Switzerland, USA, UK etc. The event is held every January since 1992. The performance during the Virasat comprises of classical music concerts, variety of classical & folk dance performance, music fusion and contemporary music. A number of artists of National and International repute from different parts of India and the world are invited for performing such components which overwhelm the entire spectrum of the art forms both classical and folk. It is a strong conviction of Dr. M. Mohan Alva, Chairman, Alva's Education Foundation, that the classical art forms can entertain and educate the youth, systematically enabling them to develop a better taste and attitude to life.



### Alva's Nudisiri

Karnataka is a rich land with a collage of multiple cultural and literary itineraries. Nudisiri is Dr. M. Mohan Alva's attempt at selecting a few of them each year to be displayed to a large section of audience who are fast losing touch with their motherland. It provides a platform to invite the writers and other artists, activists to present papers, discuss and share their views and to educate the lovers of Kannada literature.

The number of delegates attending this function is increasing every year. Alva's Education Foundation arranges free board and accommodation to all the delegates. The eminent scholars are invited to articulate on contemporary areas. The celebration is clubbed with book exhibition, cultural activities, local Yakshagana enactments and theatre performances. It has been achieving a great popularity in the golden realm of Kannada literature and culture.





# Institutions Affiliated to Alva's Education Foundation

## Alva's Institute of Engineering & Technology

### Courses Offered

#### UG Courses

- |   |  |
|---|--|
| F Electronics & Communication Engineering | F Mechanical Engineering                     |
| F Information Science & Engineering       | F Civil Engineering                          |
| F Computer Science & Engineering          | F Artificial Intelligence & Machine Learning |

#### PG Courses

Master of Business Administration

#### DOCTORAL PROGRAMME

- F Mechanical Engineering F Electronics and Communication Engineering  
F Computer Science F Physics F Chemistry F Mathematics and Management

## Institutions Affiliated To Rajiv Gandhi University of Health Sciences, Bangalore

Alva's Ayurveda Medical College  
Alva's Homoeopathic Medical College  
Alva's College of Naturopathy & Yogic Sciences  
Alva's College of Nursing  
Alva's College of Medical Laboratory Technology  
Alva's College of Hospital Administration  
Alva's College of Physiotherapy

#### PG Courses :

M.D. Ayurveda  
(Shalya, Panchakarma, K.B.,  
Prasoothi Kaya Chikithsa, D.Guna, A. Siddantha,  
S.Rachana, Agada, R. Shashtra, Baishajya)  
MD-Clinical Naturopathy, MD-Clinical Yoga  
M.Sc. Nursing / M.H.A / M.P.T /  
M.Sc. - Medical Laboratory Technician

#### DOCTORAL PROGRAMME

Ph.D. in Physiotherapy

## Institutions Affiliated To Mangalore University, Mangalore

Alva's College of Social Work (B.S.W. & M.S.W.)  
Alva's College of Physical Education (B.P.Ed., M.P.Ed.)  
Alva's College of Education (B.Ed.) (M.Ed.)  
Alva's First Grade College

#### UG Courses :

B.A.-English, Journalism, Kannada, Physical Education.  
B.Sc.-CBZ, Biotechnology, Biochemistry, Microbiology,  
Computer Science, Hospitality Science, B.F.N.D.  
B.Com., B.C.A., B.B.M., B.H.R.D., B.V.A.

#### PG Courses :

M.Sc.- Analytical Chemistry, Organic Chemistry,  
Biotechnology, Mathematics, Physics, Statistics,  
Computer Science, General Chemistry,  
Psychology, Food & Nutrition, Applied Botany  
M.Com(H.R.D) / M.Com. / M.S.W. / M.P.Ed./  
P.G.D.C.A. / P.G.D.B.M, M.A. - English, Economics,  
Carnatic Music, Bharatnatyam,  
MCJ (Communication & Journalism)  
MVA, M.F.N.D.

#### DOCTORAL PROGRAMME

Ph.D. in Biotechnology

**Doctoral Programme of Tumkur University** Ph.D in Mathematics, English, Biotechnology

## Institutions Affiliated To Different Boards

Alva's Pre-University College (Science/Arts/Commerce) | Alva's English Medium School (KG to X Standard)  
Alva's Kannada Medium Higher Primary & High School | Alva's Special School  
Recognised study Centre of Kuvempu University Distance Education

## ALVA'S EDUCATION FOUNDATION (R)

Moodbidri-574 227, D.K. District, Karnataka, India

Phone: 08258-238104-238111(8 lines), 238637 Fax: 08258-236731, 261229

E-mail: [admission@alvas.org](mailto:admission@alvas.org) Website: [www.alvas.org](http://www.alvas.org)