

ABOUT THE INSTITUTE

Alva's Institute Of Engineering & Technology (AIET) is a premier Engineering Institute of Alva's Education Foundation (AEF) 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.

ABOUT THE DEPARTMENT

The Bachelor's degree in Civil Engineering in AIET was started in the academic year 2009 – 10 with an intake of 60 students. The department offers a full time B.E degree course in Civil Engineering. Our department organizes seminars, workshops & Industrial visits for the benefit of students and faculty which would bring exposure of the recent trend in Civil Engineering. Students involve in the consultancy projects obtained through various govt. and non-govt. agencies. The infrastructure available in the department facilitates students to develop their skill and knowledge within the framework of curriculum prescribed by the Visvesvaraya Technological University, Belagavi.

VISION OF THE DEPARTMENT

To become a leader in the field of Civil Engineering by imparting quality education in developing highly competent manpower and promote research to meet the current and future challenges in Civil Engineering.

MISSION OF THE DEPARTMENT

- ❖ To impart knowledge by creating conducive teaching-learning environment.
- ❖ To produce civil engineers of high calibre, technical skills and ethical values to serve the society.
- ❖ To promote innovation in the minds of future engineers to face the challenges.



**Alva's Institute of Engineering and Technology, Mijar,
Shobhavana Campus, Mijar, Moodbidri—574225
Mangalore Dist., Karnataka, India.**



DEPARTMENT OF CIVIL ENGINEERING

Contact Information

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Professor and Head of the Department

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Dr. M. Mohan Alva
Chairman, Alva's Education Foundation,
Moodbidri

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. Alva's Education Foundation (AEF) 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 strives hard for holistic development of students who will ultimately become responsible citizens of this country.

BEST PRACTICES OF THE DEPARTMENT

- 45 days of Internships in reputed Industries for each student.
- 12 Technical Talks per year from Industry/Academia/Research experts
- 6 Certification Courses in a year.
- 2 Workshops and 2 FDPs per year.
- Regular Pre-Placement Trainings.
- Boot Camp for final year students.
- 4 Industrial Site Visits per year for each student.
- Consultancy Cell.
- Alumni Networking.
- Social Service Activities.
- Technical Competitions.
- Cultural and Sports Activities.
- Career Guidance.
- Student Publications.
- Coaching Classes.
- Student Mentoring Program.
- Entrepreneurship Development Cell & Start-up.
- Skill Development Program.
- Diploma Certification Course in Architecture.
- MoUs

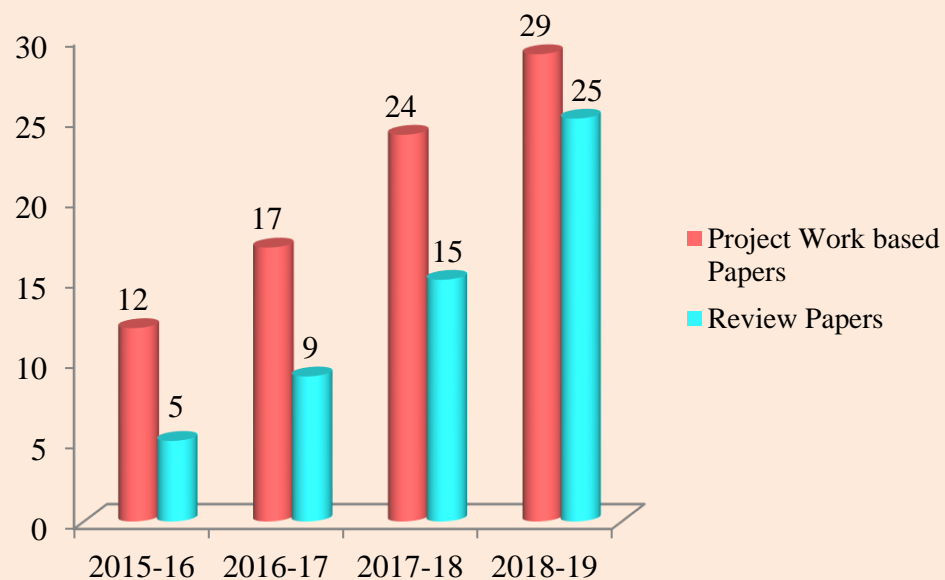


FACULTY PUBLICATIONS

Number of Publications



STUDENTS' PUBLICATIONS



STUDENT ACHIEVEMENTS

GATE-2020 QUALIFIERS



**Sudhakar
Ningthoujam**



Niveeditha B

ACADEMIC TOPPERS 2018-19 BATCH



Priyanka M
4AL15CV070
CGPA : 9.6



Manjula Parappa Kurbet
4AL15CV053
CGPA : 9.2



Rashmitha G R
4AL15CV079
CGPA : 8.9

SPORTS & CULTURAL EXCELLENCE



Raghavendra V
4AL15CV073
Represented VTU in Relay,
Kabbadi & Track Events



Keerthana K C
4AL16CV037
Represented in VTU level ,
Zonal level Sports & Cultural
Events



Brunda Y M
4AL16CV021
Represented in VTU level ,
Zonal level Sports & Cultural
Events

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, the Department also organizes Certification Program, Workshops and Industrial site visits which are connected to Architecture. The experts from Industry and Academia visit the campus and interact with the students. The students are also exposed to emerging software which help them to enhance their skills and creativity in the field of infrastructural projects. Regular tests and competitions are arranged for students.



THEORY SUBJECTS

Architectural design-I	Environment Responsive Architecture
Architectural graphics-I	Landscape Architecture
Architectural design-II	Professional Training
Basic design & Visual arts	Building Services-I
Architectural design-III	Seminar
Architectural Photography	Architectural Design Projects(Thesis)



SOFTWARES & WORKSHOPS

Google Sketch up
AutoCAD 2D & 3D
Model Making Workshop
REVIT Architecture
Workshop on Visual Arts



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 Consultancy Cell of the Department completely involves the students in order to give them the practical exposure. Students are made involved in Design, Analysis, Testing and Field visits. Thus the practical learning of the students is enhanced through consultancy works. 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 to the clients. Special training is given to the faculties handling the Consultancy work. The Consultancy cell has well defined Organization structure in order to effectively execute Consultancy works. It includes Consultancy Head, Co-ordinators, faculty experts and students.

Major Works Undertaken

Building Material Testing/ On site non-destructive Tests

Water Quality Analysis

Geotechnical Investigations

Design of Structures

Sewage Treatment Plant Design

Survey Works (Digital/Remote sensing/GIS based)

Estimation and Valuation

Third Party Inspection Works

Major Clients

Dr. Shivarama Karantha Pilikula Nisarga Dhama, Mangaluru

Dakshina Kannada Zilla Panchayat

Karnataka Rural Infrastructure Development Ltd

Karnataka Slum Development Board (Govt of Karnataka)

Town Municipal Corporation Moodbidri (Govt of Karnataka)

Panchayath Raj Engineering Division, Mangaluru

Grama Panchayath Puttige , Moodbidri

Innovative Learning Foundation Moodbidri (Pvt.)

DEPARTMENT RECOGNITIONS & STUDENT CHAPTER

PMKVY TRAINING CENTRE

MHRD directed AICTE, New Delhi to run the **Pradhan Mantri Kaushal Vikas Yojana** for Technical Institutions (PMKVY-TI). National Skill Development Corporation (NSDC) will be the Strategic Partner in implementing PMKVY – TI project with AICTE. The main objective of this project is to provide skill based training to the school and college drop outs who to pursue/attain higher order skills and living in the vicinity of College. Under this Scheme, Training and Assessment fees are completely paid by the Government. During 2017-18, AIET got recognized by PMKVY for conducting Skill training programs in various domains.



2017-18

Sector	Courses Conducted	No. of Candidates Trained
CONSTRUCTION	REINFORCEMENT FITTER	25
	MASON CONCRETE	13
	MASON GENERAL	10
	ASSISTANT MASON	12
TOTAL		60

2018-19

Sector	Courses Conducted	No. of Candidates Trained
CONSTRUCTION	ASSISTANT MASON	20
	HELPER MASON	20
	HELPER FABRICATION	25
	MASON CONCRETE	15
TOTAL		80

IGBC STUDENTS' CHAPTER

AIET took up membership of Indian Green Building Council (IGBC), a CII initiative that aims to build an ecological India to promote the sustainable development in the built environment sector in August 2019. As part of this partnership, an "IGBC Student Chapter" had been established to spread awareness on Green Buildings amongst the student community and to ignite the idea of green in young minds.



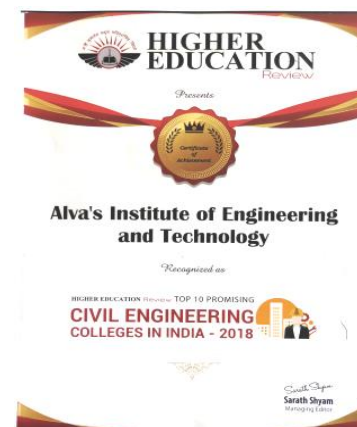
MOUs



**Agrima Roof and
Façade Systems**



**Dept of Geoinformatics,
Mangalore University**



TECHNICAL TALKS



Er. ANIL BALIGA



Dr. GANESH MOGAVEER



Er. ASHWIL



Er. VINOD

INDUSTRIAL VISIT



BHORUKHA HYDRO POWER PLANT



BITUMEN MIX PLANT, NIDDODI



GURUPURA BRIDGE SITE



GURUPURA BRIDGE SITE

INTERNSHIPS



L & T CONSTRUCTION SITE, BANGALORE



AGRIMA ROOF & FAÇADE SYSTEM



MANGALORE UNIVERSITY



NAMMA METRO, BANGALORE

TECHNICAL ACTIVITIES



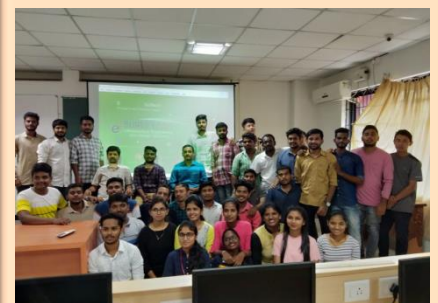
CENTRE LINE MARKING



QGIS SOFTWARE TRAINING



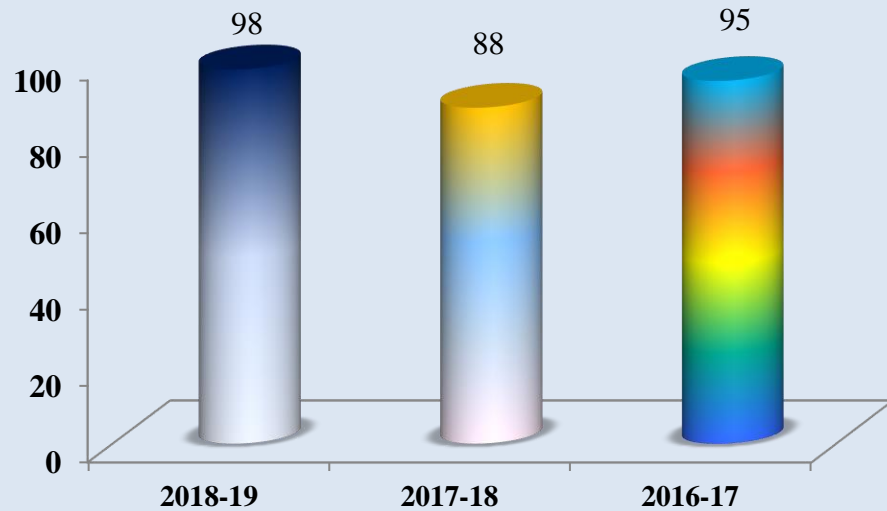
ESURVEY CADD SOFTWARE TRAINING



ESURVEY CADD SOFTWARE TRAINING

RESULTS

PERCENTAGE OF RESULTS



STUDENT EXCHANGE PROGRAM



Priya Pradeep Rane
Successfully completed a Course on Science under Sakura Exchange Program, Kumamoto University Japan

The students of Department of Civil Engineering have attended International Conferences at Kumamoto University, Japan under Student Exchange Program. The Institution has an MoU with Kumamoto University Japan.



Vishwanath Okram
Presented his research paper "Effect of Sea Water on Strength of Structural Concrete" at Kumamoto University, Japan

PLACEMENTS

NUMBER OF STUDENTS PLACED



RECRUITERS



Complete Concrete Solutions



Karnataka State Council for Science and Technology (KSCST) Sponsored Projects

Project Title	Amount Sanctioned (Rs.)
Development and Fabrication of Dual Chambered Microbial Fuel Cell to Treat Distillery Wastewater and Simultaneous Bio-Electricity Generation - A Feasibility Study.	6000
Performance Evaluation of Electro- coagulation Technique for Dairy Waste Water Treatment Using Aluminium Electrodes.	5000
RS and GIS based Site Sustainability analysis for Solid Waste Disposal for Moodbidri and Karkala Region.	5000
A Feasibility Study on Treatment of Dairy Wastewater Aided with Electricity Generation using Dual chambered Microbial Fuel Cell.	4500
A Study on Contamination of Soil and Ground Water through Leaching of Sewage and Industrial Waste from Unlined Drains in Mangalore.	5500
Delineation of Ground Water Potential Zones at Moodbidri by Electrical Resistivity and Remote Sensing Technique.	6000
Flood Inundation Mapping along the upper Reaches of Netravati River using RS and GIS Techniques.	6000
A feasibility study on Constructed wetlands for treatment of domestic wastewater at AIET Campus.	5000
Assessment of Surface & Groundwater Quality in and around Gurupura, Mangalore Taluk.	5000

Project Exhibition



INNOVATIVE PROJECT

The students of 6th semester have successfully developed an Innovative E-Waste based concrete in a project titled **Partial Replacement Of Coarse Aggregate By E-waste In Concrete.**



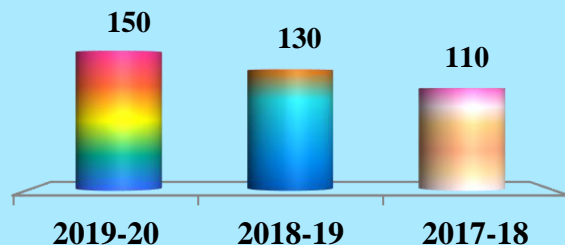
INTERNSHIPS

The Dept of Civil Engineering offers internships for all students during the semester end vacations as an integral part of curriculum. It is a mandatory assignment for students. The students shall complete a minimum of 45-60 days of an extensive internship in reputed Government and Private organizations. This will enhance their practical understanding. After the completion of internship, the student shall produce a report and present a seminar on the internship experience. The department expert committee will evaluate the internship. Internship is monitored by internal and industry mentors.

Private Organizations

- Agrima Roof & Façade Systems, Bangalore
- Tata Projects Ltd , Telangana
- Kannuru Internatinal Airport Ltd, Kerala
- RNS Infrastructure Ltd, Bangalore
- L & T Construction , Bangalore
- RMX Concrete India , Mangalore
- Sobha Developers Ltd , Gujarat
- Bharat Electronics Ltd, Bangalore

Number of students Undergone Internships



Government Organizations

- Kerala State Electricity Board Kerala
- Rural Water Supply And Sanitary Division, Davanagere
- Public Work Department, Kottayam, Kerala
- Karnataka Forest Department Hospete
- Panchayat Raj Engineering Division Gulbarga
- P.W.D. Manipur
- Nirmithi Kendra Kanhangad, Kerala
- Flood Control And Drainage Division, Manipur
- Chikkamagalur Nirmithi Kendra
- PWD Kasaragod Kerala
- Mangalore University, Mangalore
- Namma Metro, Bangalore
- NTPC, Kudagi, Vijayapur
- Southern Railways, Mangalore
- Major Irrigation Department Alamatti
- Public Works Department NH 150, Manipur
- Public Works Department, Kollegal
- K.R.I.D.L, Gadikoppa, Shivamogga, Karnataka
- Rural Drinking Water And Sanitation Department Davanagere
- Public Works Ports And Inland Water Transport , Gokak
- NRSC-ISRO Hyderabad

SOCIETAL ACTIVITIES

Along with the regular Academic activities, the department of Civil Engineering is also committed to make the students aware and orient towards volunteering and social service. By including students and faculties, the department has organized three society service programs since 2014-15 under the banner *Alva's Rural Reach Charity Program*. The villages in and around Moodabidri are taken as beneficiaries for these social service activities. Students, Faculties, Public and many other organizations financially support this cause.



Academic Year

Name of the Activity

Beneficiaries

2014-15

Toilet Construction for underprivileged School
(Expenditure : Rs. 1,00,000/-)

Government Primary School, Neerkere,
Moodabidri.

2015-16

Training and Demonstration of Pipe Composting for
public

Residents of Tenkamijar Grama Panchayath,
Hosabettu, Moodabidri

2018-19

Toilet and Urinal Construction for underprivileged
School (Expenditure : Rs. 1,80,000/-)

Marodi Aided Primary School at Marodi,
Belthangady Taluk, Dakshina Kannada District

ALUMNI TESTIMONIALS



Mr. Venkatesh R Bangera

Proprietor & Head Sri Siddhi RNB Developers & Interiors

I am a proud Alumnus of AIET, completed my B.E in Civil Engineering during the year 2013. Due to the technical ambience created by the department during my graduation, I developed an inclination towards entrepreneurship. My teachers are fully responsible in exploring my hidden passion, which turned me into an entrepreneur and my dream came to reality to serve the needs of the local people.

Mr. Prathith Hegde

Proprietor & Head Paramva Consultants

It was a proud moment when I graduated from AIET. With the able guidance of my committed teachers, I joined for higher studies in the field of Construction Technology & Management. In my journey I found Alva's a place for all-round development where equal importance was given to all the activities which can shape one's career. The 4 years of stay in Alva's helped me a lot to gain confidence and also various opportunities to extract my abilities, realize my potential to achieve what I am today. With the motivation and confidence filled by my teachers, today I am able to run my own engineering consulting firm to serve the needs of the Society.



Mr. Pramod Kadaplar

Proprietor & Head Blossom Constructions

The all-round support in various activities such as academics, sports, culture etc., the AIET nurtured me into a different personality. The Alva's filled me that confidence to build my own construction firm. The leadership qualities developed during my studies drove me to start an Event Management firm.

ALUMNI TESTIMONIALS

Dr. Krishnamurthy M P

Assistant Professor,

Department of Civil Engineering RGM CET Andhra Pradesh

During my graduation, the department of civil engineering set an ideal launch pad for triggering research in the minds of students and I was fortunate enough to become the student of this department. Further, the guidance given by teachers for carrying out innovative & research projects increased my research passion manifold.

With the great support and motivation from my teachers, I joined for higher studies at NITK, Surathkal. In 2020, I awarded Ph.D in the topic “ Experimental Investigation and Geochemical modeling of Industrial hazardous waste materials”. I feel proud to be AIET alumnus. Presently working as Assistant professor in Rajeev Gandhi Memorial College of Engineering and Technology, Andhra Pradesh, affiliated to JNTU University.



STUDENT STARTUP



Mr. Srajan Das

3rd Year UG Student,

Department of Civil Engineering

Proprietor and Director,

HomZa Cart –E commerce online based Start-up Company for Grocery, Food and Stationary shopping

HOMZA
YOUR PERFECT HOMEMAKER

I got the opportunity to be a part of Entrepreneurship Development Cell, AIET. The Management, EDC and the Department of Civil Engineering supported me in starting an E-commerce Online based Start-Up. I think I made the best decision ever by joining AIET which motivates students to come up with innovative ideas for various projects and start-ups.