



# **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,  
Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.

**Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)**



## **Alva's Institute of Engg and Technology Annual Report 2022-23 (22-05-2023)**

### **Report of the institution for the academic year 2022-23.**

As we continue our legacy of academic excellence in teaching, research and service-oriented outreach, we are committed to achieving excellence in technical education and producing responsible citizens and progressive leaders.

This academic year has been very fruitful year for the institution since we could witness many academic activities by the students & for the students. The Institution has also made all efforts to teach beyond the curriculum to provide additional inputs to enhance the knowledge of students. Our efforts to offer training in soft skills & entrepreneurship is well appreciated. We are proud of our students for their exemplary behavior, respective and participative attitude & eagerness to know new technological developments & adoptability to the changes. Proactive management & qualified, experienced and dedicated faculty are the other advantages of this institution which have made this organization as one of the most sought after in this state.

### **About Institute:**

Our institute offers graduate courses in

Civil Engg, Computer Science & Engg, Computer Science and Design, Computer Science and Engg (IOT, Cyber security and block chain technology,) Computer Science and Engg (data science,) Artificial Intelligence and Machine Learning, Electronics & Communication Engg.- Information Science & Engg- and Mechanical Engg with total intake of



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,

Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.

**Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)**



780. And a Post-graduation in Business administration with an intake of 120.

Institution is recognized as a Research Centre of VTU in the Dept. of Mechanical Engg, Electronics and Communication Engg, computer science & engg, Engg Physics, Engg Chemistry, Engg Mathematics and Business Administration.

### **Infrastructural Development in Institution:**

Laboratories of all departments have been modernized by equipping them with state of art equipment. Strength of Wi-Fi facility has been enhanced to 1000 Mbps. Central library has been equipped with 83 Journals and 2120 volumes have been added in this year and also. E-resource from VTU Library consortium is made available which is worth of Rs 18 lakhs in this academic year along with 8600+ international journals and 13588 e books.

AIET is recognized as i -OS Developer University Program from Apple developer program support. Edwin's lab, Envision Lab, Invention & WE Lab, MEMS Lab, Basic Science lab, Alvas Centre for Advanced Research are established in AIET to train the staff and students of the institution. Robotics lab was also established in the institution with collaboration of Indian Institute of Technology Mumbai. The Institution has signed MOUs and Academic collaboration with 42 organizations mentioned few like 7 European Universities, Kumamoto University, ISRO, Entrepreneurship Development Institute of India, Ahmedabad, Defense Institute of Advanced Technology Pune, IIIT Allahabad, National Highway Authority of India, Indian institute of Science, Toyoto Kirloskar Motors, HAL, BEL, BEML etc.

I am glad to inform you all that Department of CSE and ECE are re-accredited by National Board of Accreditation, New Delhi till June 2025. I am extremely happy to announce that National Assessment and



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)  
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,  
Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.  
**Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)**



Accreditation Council (NAAC), accredited Alva's Institute of Engineering and Technology (AIET), Moodbidri with a **Grade of A+ with a CGPA of 3.32 in first cycle** on 17<sup>th</sup> Jan 2023 for a period of 5 years and is the first college in Dakshina Kannada District of Karnataka to achieve this in first cycle itself. The AIET has put itself on the map of the country for quality of excellence in education. After a meticulous evaluation of the institute on different dimensions of the NAAC qualitative matrices which focussed on Curricular, Co-curricular & Extracurricular, Infrastructure, Teaching-Learning process, Research-Innovation, MoUs and Collaborations, the peer team concluded with a high note during an exit meeting.

### **Students Activities:**

Inauguration & Orientation programme for fresher's (1<sup>st</sup> Year students) was organized on 19<sup>th</sup> September 2022. Dr. Putturaya former Director, RGUHS Bangalore, Mr. M. Vivek Alva, Managing Trustee, Alva's Education Foundation were present.

AIET is a learning centre, where students are involved in learning and training process from various industrial and research organisations in terms of internship and attending certification courses and also industrial visits. In this regard 75 Days of Java Fullstack Development programme to all Final Year Students, 15 Days of Python Fullstack and C & Data Structures Training program for V Semester students of CSE/ISE/AIML conducted by **Q-Spiders, Bengaluru**. 30 Days of Placement Training on Deep Learning in Data Structures, Algorithms, Computer Architectures & Networks etc and Aptitude Training by **Ten Seconds**, Benagloru was conducted to 6<sup>th</sup> Semester students of CSE/ISE/AIML.

Awareness program conducted to ECE students on Amateur (HAM) Radio, C for Embedded application, Arduino Coding, MATLAB On ramp, Image



## **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,

Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.

**Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)**



Processing, OOP in Java, C data structures and pointers and

file system etc.

Dept of civil engineering organized a training on Steel Structure Detailing by StraeCon Pvt Ltd, Trends and Innovation in Civil Engineering Software was conducted by SAI CAD Bangalore, E-Survey CAD by E-Surveying Soft tech, Primavera Software, Revit Architecture, Quality Assurance & Quality Control for final year students.

Dept of Mechanical Engg organized training programme on Catia V 5, and students sent to Toyota Kirloskar Motors Bangalore to train on Basic of Automotive Engineering.

Department of Business Administration organized Soft Skill Training on "Resume Writing and Interview Preparation", My Brand Equity & Vision Board, Mental Model, Interview skills and corporate expectations, Outbound Training for final year and first year students.

The Department of ISE conducted "Alva's Film Fest," a charitable movie show, and raised Rs. 1,05,000/-, and also all branches of AIET organized series of food festivals in the campus and raised a profit of Rs. 2.6 lakh and it was contributed to the International Cultural Jamboree event.

Dept of Computer science and engineering was conducted "Kaliyona Computer" – Rural Education Camp (3 days) at Govt. High School Bailoor Karkala and Govt. Public School, Vandse, Udupi Dist. about 450 students of these schools were benefited by these camps. AIET has donated 6 computers to both schools.

Swacha Abhiyan Programme at Mijar village and beach cleaning programme was conducted regularly to create awareness and importance of Clean environment among people by Engg and MBA students.

Civil engineering and Mechanical Engg students participated in the 17<sup>th</sup> International Student Conference on Advanced Science and Technology (ICAST, Online) organized by Kumamoto University Japan.



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,

Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.

Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)



8 MBA students participated in Bizwaves -National Level

Management Fest at **NITK, Surathkal**. 65 MBA students presented 33 papers in International Conference on New Age Marketing on at SDMIMD, Mysore.

Department of Civil Engg, has introduced a parallel Architecture Diploma Certificate course for Civil Engg students (during weekends), which is first of its kind in Karnataka, that any Engineering college without B. Arch UG program has initiated Architecture Diploma Course. About 35 students have registered for the course.

663 students of 3<sup>rd</sup> Year & 4<sup>th</sup> Year were successfully completed 15 to 45 days of internship programmes during this academic year from NARL, NRSC, IIM, IIIT-AIhabad, HAL, HCL, Cognizant, BEL, National Highways Authority of India, RRSC-ISRO, Sasken Bangalore, Lekha Wireless Solutions Pvt. LTD MESCOM, BASF India Ltd, Siemens Mumbai, Volvo Construction, Toyota Kirloskar Motors, Bosch Automotive Electric Pvt. Ltd Bangalore, etc.

As a part of industrial visit, Students of Computer Science and Engineering, AIML, CSD, visited Materials Recovery Facility, ISE students visited Indian Institute of Science (IISc.), Bengaluru, Electronic and Communication Engg students along with civil Engg students visited Varahi Hydro Electric Project (VHEP). Apart from long distance site visits, students have been taken to local sites in order to give better field exposure. Business Administration dept. organized an industrial tour to their students to TVS Motors, Mysuru, Automotive Axles Ltd., Mysuru ACE Manufacturing, Bangalore and few local industries.

A nature club Shrasti to study and to create the awareness about the nature and a speakers club Roastrum to help public speaking and train





## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,

Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.

Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)



them in soft skills, a unique association were established in Engg College and working for the students community and about 42 such students driven clubs are functioning in the institution. Active NSS and NCC unit of engineering college have arranged a blood donation camp "Sanjiveeni". And Swachh Mijar program.

### **Staff/students Achievements:**

I am proud to announce that **Mr. Elish Ganesh of 2021-22 batch** secured the **9<sup>th</sup> rank** in the **B.E. Mechanical Engg Examinations conducted by VTU, Belagavi**. The NPTEL awarded the **Elite+Silver Certificate** to two students, Abhishek Bhat and Likhita K M, for the courses "Programming in C" and "Java Programming,"

Shalini B Heggere of 3<sup>rd</sup> sem students got 1<sup>st</sup> prize all over india in CII INOVERGe.

Mr. Dheeraj Shinde, final year civil engg, cleared the interview in L & T Build India Scholarship Program and got eligibility to pursue Masters in one of the 4 premier technical institutes of India. Mr Ameer Hussain, got eligibility to pursue MS Program in one of the 3 Universities from United Kingdom and 3 Universities from Scotland. Ms. Sridevi, has cleared the GATE 2022 and secured 49<sup>th</sup> All India Rank. She got admitted to M.Tech at IIT Bombay. Mr.Chinamaya Bhat and Mr.Karthik Tomar cleared the All India GATE 2023.

Mr.Jayasurya R D, 3<sup>rd</sup> Year CSE student Earned five star Golden Badge for Java in Hacker rank, Secured Elite certificate in NPTEL in DSA using Java., Achieved a global ranking of 157 in the Code Chef February Long 2022 - II Challenge.

Mr. Thousif of CSE developed the Separate ERP - SAW for Alva's Degree College, Moodbidri and AIET MBA Department. He is also maintaining the Alva's Engineering Students indigenous software SAW-ERP.in, successfully utilized by all teachers and well appreciated by all.



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,  
Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.

**Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)**



287 Review Papers are published in National / International

Conferences & Journals by students of AIET and it is a remarkable achievement.

Prakruthi K P of Second year ECE Won 4<sup>th</sup> place in "International Particle partition challenge" Organized by NASA.

Eight of our B.E students' projects (2 EC, 3 ME, 2 CV 1 CSE) have been selected by Karnataka State Council for Science & Technology, Govt. of Karnataka for funding and also received funding for 10 projects by VTU. Mechanical students were designed an Electric Vehicle under Auto club activities and it is well appreciated by all.

Dr. Sudheer Shetty, HoD, Dept of ISE, Dr.Guruprasad , Sr Assistant Professor , Department of ECE, **Dr.Gurushanth B Vaggar Asst. Prof. Dept of Mechanical engg** received Ph.D. awards from Visvesvaraya Technological University (VTU), Belagavi and and Dr. Manjunath H R, Associate Professor dept of ISE from Siddhartha University, Tumkuru, Dr.Veera Prathap V , Sr Assistant Professor , Department of ECE, from Bangalore University, Dr. Roshan Shetty, Sr Assistant Professor , Department of ECE, awarded Doctorate Degree from Reva University Bangalore.

Faculty members of various departments have published 138 papers in the international Journals in this academic year. **Prof. Kiran C H, dept of Mechanical Engg has filed TWO PATENTS in this academic year.**

Dr. Shashi Kumar K, Sr. Assistant Professor has received a research funding of Rs. 30 Lakhs from the Dept of VGST, Government of Karnataka. Dr. Jayarama A, Associate professor and Dr. Richard Pinto Dean Research has received a research grant of Rs. 51.2 Lakhs from the Science and Engineering Research Board (SERB), Department of Science & Technology, India in collaboration with IITB Mumbai. **Dr.**



## ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

(Unit of Alva's Education Foundation (R), Moodbidri)  
Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Karnataka, Affiliated to VTU,  
Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Karnataka.  
Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)



**Satyanarayan**, received a **Research\_Grants** of Rs.12 Lakhs  
for his Research work from VTU Belagavi under VTU RGS Scheme.

### Workshops/Seminars/ conference

Seminars/ Workshops for the students & faculty member of any institutions are very much essential for overall development & impart quality education. Dept. of CSE conducted a 2<sup>nd</sup> International Conference on Data Analytics & Learning on 30<sup>th</sup> & 31<sup>st</sup> December 2022. About 100 International and National delegates were participated and Conference has witnessed the contributions from more than 60 authors and 23 Papers were published in Springer LNNS Series.

The Department of **Civil Engineering**, Mechanical Engineering and Basis Sciences of Alva's Institute of Engineering and Technology (AIET) jointly organized the International Conference on Recent Advances in Engineering Materials (ICRAEM – 2022, Online) during 03 – 05, March 2022.

Dept. of CSE organized a Workshop on "Artificial Intelligence & Machine Learning-Project based Internship" in association with IIIT, Allahabad during Dec, 2022 to students of CSE/ISE/AIML and faculty members.

Dept. of ECE organized sensor interface to Embedded Controllers and VLSI Design, on MEMS, Arduino Coding and Sensors for their 5<sup>th</sup> and 7<sup>th</sup> sem students. Dept of Business Management conducted a workshop on LEAN MANAGEMENT BY TOYOTA Kirloskar motors, BANGALORE and "Forensic Accounting by Dr. S Gopalakrishna Sharma CFE Kochin.

Dept. Of ISE organized a workshop on "Use of Database Technologies for Building Applications" and "Data Analytics with Spark" for the 3<sup>rd</sup> and final year students. Mr. Mohith Puthuraya, Director and CTO, Amazon Services, USA has addressed the Final Year CSE/ISE students on "Placement





## **ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

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

Shobhavana Campus, MIJAR-574225, Moodbidri, D.K., Kamataka, Affiliated to VTU,  
Belagavi & Approved by AICTE New Delhi. Recognized by Govt. of Kamataka.

**Accredited with 'A+' grade by NAAC & NBA (ECE & CSE)**



Opportunity and Preparation". Dept. of Mechanical Engineering

organized a CNC Machine training for final year students as well as local ITI and Polytechnic students.

I am extremely happy that our staff members have published 154 Technical research papers in International Journals and 72 Technical papers in national & International conferences in this academic year. I feel proud to say that various departments of Engg and Dept of Business Administration have arranged 93 Technical Talks on current topics on Technology & Management. Experts from premier Institutes like IISc, NITK, IIIT Allahabad, HAL, CPRI, ISRO, Manipal University and also from Major Industries shared their knowledge with our students & staff.

### **Sports/Games activities in the campus:**

Management of AIET has provided ample opportunity for students to take part in sports & games. This year also we have participated in most of the tournaments being conducted by VTU & other reputed organizations.

I am proud to say that our students Sujan PS, Swathi MV 5<sup>th</sup> sem, in Ball Badminton, Dileep PR 5<sup>th</sup> sem in Best Physique, Sagar KG 7<sup>th</sup> Sem in weight Lifting, represented VTU in All India Interuniversity competitions and Adith P Kotian 5<sup>th</sup> sem in High jump participated in South West Zone interuniversity competition. Sagar KG 7<sup>th</sup> sem civil engg won the gold medal, Dhanraj 7<sup>th</sup> ECE the bronze medal in VTU interdivision weight lifting competition. Dilip PR 5<sup>th</sup> sem Mechanical engg won the gold medal, MN Vikas 3<sup>rd</sup> CSE won the bronze medal in best physique VTU inter division competition. AIET ball badminton womens' team won the runners up trophy at VTU state level ball badminton championship.

### **Placement Activities:**

It is a challenge for any Institution to encourage companies to accept the students for recruitment in these competitive days. The Companies feedback about our students has been very good. The pragmatic, professional and ethical approach of us has ensured a positive image for the college which has worked well to sustain a meaningful and long standing relationship between the college & visiting companies. Many innovative initiatives being introduced by department of training & placement to enhance students competence & moral is worth appreciating here. The process of recruitment will continue throughout the semester with several reputed companies want to recruit our students. 163 companies visited our campus so far in this academic year like HCL, Accenture, E Y, TCS, Infosys, Wipro, IBM, Bosch LTD, Oracle, Toyoto Kirloskar Motors, Automotive Axles Ltd, and many more. 381 students were placed so far in this academic year. We on behalf of Management proudly congratulate all the students recruited. Many more companies will visit our institution in the coming days.

All these developments are mainly due to the encouragement and support extend by our beloved chairman of Alva's Education Foundation Dr. M. Mohan Alva. Let me take this opportunity to express my deep sense of gratitude & sincere thanks to him for all the cooperation & encouragement. I would also thank Mr. Vivek Alva, Managing Trustee, who is always a part and guide of all our activities. Also I take this opportunity to thank all the teaching and nonteaching staff members of this institution for making this campus a place well suited for shaping career of our students by creating required academic ambience. My thanks to all my students for their exemplary behavior in the campus and also for their enthusiastic participation in all the curricular & co curricular and extracurricular activities in the campus. I wish all my dear students Good Luck and all the best. Thank you one and all for your precious time.



**PRINCIPAL**  
Alva's Institute of Engg. & Technology,  
MIJAR - 574 225, D.K