

# Alva's Institute of Engg and Technology

Annual Report 2023-24  
(11-05-2024)

Education is best provision for life's journey - Aristotle.

Honourable Chief Guest of the function Prof. Venugopal K R, former Vice Chancellor Bangalore University, President of the Function Mr. Vivek Alva, Deans and Heads of various Dept. members of teaching and supporting staff, my dear students, ladies and gentlemen.

It is my pleasant duty and proud privilege to present the 16<sup>th</sup> Annual Report of the institution for the academic year 2023-24. 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. We are proud of our students for their 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 10 UG 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- Agriculture Engg. and Mechanical Engg. with total intake of 780. And a Post-graduation in Business administration with an intake of 180.

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.

### **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 2430 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 45 organizations mentioned few like 7 European Universities, Kumomoto University, ISRO, Entrepreneurship Development Institute of India, Ahmedabad, Defense

Institute of Advanced Technology Pune, IIT Allahabad, National Highway Authority of India, Indian institute of Science, Toyoto Kirloskar Motors, HAL, BEL, 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. And National Assessment and 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**. Institution is also placed in the band of 150-300 in NIRF innovation ranking in the country.

#### Students Activities/ Achievements:

Inauguration & Orientation programme for fresher's (1<sup>st</sup> Year students) was organized on 4<sup>th</sup> September 2023. Prof. Nagabhushan former Director, IIT Allahabadh, 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.

As a part learning programme 45 days pre-placement Bootcamp training was conducted for Final year CSE/ISE/AIML/ECE students by 10 Seconds Bengaluru, Q-Spiders Bengaluru, Aerodynamiks, Mumbai and FACE Bengaluru. 45 days of pre-placement training on "C and Data Structures" conducted for 3<sup>rd</sup> Year CSE/ISE/AIML/CSD/ECE students by Q-Spider Bengaluru. 5 days workshop jointly organised by Department of Agriculture Engineering and Civil Engineering on the topic of "**Use of Drones in Agriculture: Potentials, Problems, and Policy Needs**" 16 days Hands-on training program was organized to 2<sup>nd</sup> year AIML students

on "Python Full stack" and Dept of Civil Engg was organized 10 days workshop on Revit Architecture course for final Year students.

CySeck, K tech, Govt. Karnataka sponsored Cyber Security Finishing School (CSFS)"- a pilot program for 35 days to B.E Final year students of various Engineering colleges of Karnataka was held at Alva's Institute of Engineering & Technology, and 25 students of AIET also participated in it. 8 days of Soft Skills Training program was organized for all students of first year and 3<sup>rd</sup> Year Engg. Students and also MBA students.

Infosys Spring Board, Wipro, Codechef, UiPath Learning Certifications program were completed by 2<sup>nd</sup>, 3<sup>rd</sup> and final year students of all circuits branch.

Dept of Mechanical Engg organized training programme on Catia V 5, and also students sent to Toyota Kirloskar Motors Bangaluru to train on Basics of Automotive Engineering and assembly.

Department of Business Administration organized Soft Skill Training, digital market, share market and derivatives, interview skills and corporate expectations, Outbound Training for final year and first year students.

AIET organized a inter branch technical festival and a food festival in the campus in the last week. The Department of ISE conducted "Alva's Film Fest," a charitable movie show, and Dept of Computer science and engineering conducted "Kaliyona Computer" – Rural Education Camp (2 days) at Govt. High School Siddapura Kundapura taluk, Udupi Dist. about 350 students of this school were benefited by this event and AIET has donated 4 computers to the school. AIML students also conducted a talent hunt program for rural school children.

Swacha Abhiyan Programme at Mijar village and beach cleaning programme was conducted regularly to create awareness and importance of clean environment in the nature by Engg and MBA students.

**Mr. Mohan Raj & Ms. Prathiksha Jain** 3<sup>rd</sup> year CSE attended the Startup Mahakumbh Delegation in Bharat Mandapam, Pragati Maidan, New Delhi. **Ms Ankitha Joshi, Ms. Anamika Tiwari, Ms. Reshma N. and Ms. Aishwarya G D** were the Finalist in National Level Innovation Contest hosted by CII Young Indians in Nov 2023. **Mahim Thares Devadiga** 3<sup>rd</sup> year AIML secured 1<sup>st</sup> Place in an event "NEXUS OF INGENUITY" organised by IIT, Mumbai in Feb 2024.

**Sumanth N and Shalini B Heggere**, 3<sup>rd</sup> year AIML awarded as Students Of the Year Award for building a solution under theme HSE and ESG , organised by Oshai Global Conclave, Hyderabad on 24<sup>th</sup> Feb 2024.

**Ms. Dhanusri R**, 3<sup>rd</sup> year Computer Science and Design and **Ms. Diya Singh** 3<sup>rd</sup> year ECE Participated in All India Kartvyapath Girls Contingent 2024 Participated in Republic Day Camp 2024 @ Delhi.

**Prakruti KP**, 3<sup>rd</sup> year ECE won FIRST place in the HeroX NASA Tournament Lab Challenge 'Brilliant Minds for Pure Blue Skies!' in 2024.

**Tejas Gowda M, Srishail.S, Ajay Kumar J** bagged "Best Project of The Year" AWARD 2022-23 during the State Level Seminar and Exhibition organized by Karnataka State Council for Science and Technology (KSCST).

**Mr. Akshar N & Mr. Chiranth H S** Presented a Paper at the 18<sup>th</sup> International Student Conference on Advanced Science and Technology (ICAST-2023) Indonesia. Sept 2023.

A record of 22 student projects of AIET (CS-5, AIML-5, IS-4, EC-3, CV-3, ME-2) have received the sponsorship from Karnataka State Council for Science & Technology (KSCST), Bengaluru. Department of Civil Engg, has introduced a parallel Architecture Diploma Certificate course and QA/QC course for Civil Engg students during weekends.

1156 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-Allahabad, IBM, HAL, HCL, Cognizant, BEL, National Highways Authority of India, RRSC-ISRO, MESCOM, BASF India Ltd, Volvo Construction, Toyota Kirloskar Motors, BETA CAE INDIA PVT LTD Bosch Automotive Electric Pvt. Ltd Bangalore, etc.

As a part of industrial visit, Students of various engineering branches visited different industries and organisations. Business Administration dept. organized an industrial tour to their students to Mercedes Benz, Pune, Omega Bright Steel Company, Terminal Technologies, Excide Batteries, Bhavani Shipping, Mumbai.

187 review and research papers are published in journals and 198 papers in National / International Conferences by students of A I E T and it is a remarkable achievement in this academic year.

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 them in soft skills, and about 44 such students driven clubs are functioning in the institution. Active NSS, Youth Red Cross and NCC unit of engineering college have arranged a blood donation camp "Sanjiveeni". And Swachh Mijar program.

### **Staff Achievements:**

Regular training and development programs are organized for the benefit of faculty members and enhance their knowledge in upgradation in the technology.

**Dr. Pradeep V**, Department of ISE, **Dr. Suresh P S**, and **Dr. Kumarswamy M C** Dept of ME, **Dr. Guruprasad Pai B** Deptment of Business Administration received Ph.D. from Visvesvaraya Technological University (VTU), Belagavi. **Dr.Senthil Kumar** Dept. of CSE from Anna

University and **Dr. Napoleon A** Dept of ECE, Received Ph.d, from Karunya University. **Dr. Rajiv Yadhav** Dept of Ag Engg received Phd from Tamil nadu agriculture University Coimuttur.

**Dr. Shashi Kumar K**, Dept of Physics, has received a research funding of Rs. 30 Lakhs from the Dept of VGST, Government of Karnataka. **Dr. Jayarama A**, 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, New Delhi.

**Dr. Satyanarayan**, **Dr. Jayarama A**, **Dr. R Pinto** received Rs. 62.7 lakhs Research Grant for a project, by CPRI, Bengaluru, India.

**Dr. Gurushanth B Vaggar**, received Rs. 5 lakh for an innovative project, Design and Fabrication of Intelligent Electromagnetic Brakes, by Yukti Innovation Challenge 2023, MIC, Government of India. Dept. Mechanical Engg received Rs. 10.64 lakh to develop a vehicle in Autoclub laboratory, by BETA Solutions Pvt. Ltd. Bengaluru.

NAIN - KITS –Dept of IT-BT govt. of Karnataka sanctioned 18.9 Lakhs for 10 student innovative projects in this academic year. Under IEEE WIE programme 10 students have received scholarship of 2.5 lakh for their studies.

**Dr.Guruprasad B**, **Dr. Veeraprathap** received a grant of 3.00 Lacs from VGST, Karnataka for the workshop titled " Nanoscience & Technology" for the year 2023-24. **Dr. Sathyanarayana** Head Dept. of Mech Engg completed his post Doc research programe in Kumomoto University Japan.

I am extremely happy that our staff members have published 173 Technical research papers in International Journals and 86 Technical

papers in national & International conferences in this academic year. 5 patents were granted to AIET in this academic year and also filed and published 23 patents by our faculty members in the academic year 2023-24.

NRSC( National remote sensing center), Hyderabad sanctioned and installed Lightning Detection Sensor(LDS) instrument in the campus for the prediction of weather and Lightning in this region.

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. 102 faculty members have attended faculty development program to enhance their technical knowledge.

#### **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.

The AIET team secured the prestigious VTU State Level Best Physique Team Championship, bagging 2 gold medals and 1 silver medal. They made their mark in Weightlifting, finishing as runners-up with an impressive haul of 3 gold medals and 2 bronze medals.

**Mr. Dileep P R** Final year Mechanical Engineering secured gold medals in Best Physique & also declared as VTU BEST MASCUALR MAN in VTU state level. **Mr. Bharath** of Third year Computer science & design won VTU gold medal and also declared as the VTU BEST Poser in VTU state level event.

**Amaresha M** third year ECE and **B Prakash** of third year CSD, **Mr. Vishanth** of final year ECE **Mr. M N Vikas** of 3<sup>rd</sup> year CSE displayed their



strength with Silver medal in Best physique. **Mr Thilak** of second year Data Science Engineering **Mr. Vasanth Kumar** of second year ECE won bronze medal in their respective disciplines. **Mr. Prasanna Kumar** of Third year ECE has won bronze medal in VTU state level Taekwondo championship.

Our ball badminton men's team Emerging as the VTU Rest of Bangalore Zone winners, and runners-up at the VTU State Level. Our ball badminton women's team was VTU state level champions among VTU institutions.

I am very much glad that our proud students **Mr.Adith P Kotian** final year cse in high jump, **Mr.Dileep PR** final year Mechanical, **Mr.Bharath** third year CSD in Best Physique, **Mr. Amaresha M**, **Mr. B Prakash**, and **Mr. Vishanth** in weight Lifting, **Mr.Mohammed Fahiz** final year CSE in football, **Ms. Krupa B** first year CSE and **Ms. Chandana A S** final year ISE represented VTU in All India Interuniversity competitions held at different places.

Our cultural team members actively participated in VTU cultural fest and won several individual and group awards in this academic year and left a remarkable foot print in the competitions held among 150 institutions.

### **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. 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 year with several reputed companies want to visit our institution in future. 138 companies visited our campus so far in this academic year like HCL, Accenture, E Y, Flifcart, TCS, IBM, Bosch LTD, Oracle, Toyoto Kirloskar Motors, London Stock exchange, HP, NHAI, L&T, Ultra Tech, Carmic,

Intel, Lekha Wireless and many more. 243 students were placed so far in this academic year. We on behalf of Management proudly congratulate all the students recruited.

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

11/5/2024

PRINCIPAL

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