INFORMATION SCIENCE AND ENGINEERING PRESENTS

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Alva's Institute of Engineering and Technology

Shobhavana Campus,Mijar, Moodbidri, D.K – 574225

2022-23



DEPARTMENT VISSION

To Impart quality learning and nurture students to become successful technocrats by achieving excellence in information science and engineering field for addressing the evolving needs of the industry as well as the society

MESSAGE FROM HOD

The Department, established in 2008, began with an intake of 60 students for its undergraduate program. Over the years, the course has gained significant popularity among students due to its academic rigor and the achievements of its graduates. The department prides itself on its well-qualified, experienced, and committed faculty who are dedicated to providing high-quality, industry-relevant education to students.

Faculty members are actively engaged in professional development, regularly attending workshops, faculty development programs, and seminars to stay updated with the latest technologies. In addition, they contribute extensively to the academic community by publishing research papers in renowned journals and conferences. The department is equipped with state-of-the-art laboratories that house advanced equipment, including computer systems with the latest configurations. These systems are fully networked and support a wide range of applications and development areas, ensuring students have access to the most current tools and technologies. The department is affiliated with Visvesvaraya Technological University (VTU), Belagavi, ensuring its curriculum aligns with the latest academic and industry standards.

DEPARTMENT MISSION

M1: To provide quality technical education and research training for preparing competent professionals in the Information technology field.

M2: To provide a suitable infrastructure and environment that inculcates the best engineering practices for the Socio-economic development of society.

M3: To foster the students to become successful technocrats to meet the global competency in the field of IT industry.

M4:To develop entrepreneurshipskills withactive research and innovation by inculcating ethical values among students.

DEPARTMENT HIGHLIGHTS

Competitions Workshops Field Visits Company Placed Students

TECH-ILLUMINATO

PRESENTS 2022-2023

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PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

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M4: To develop entrepreneurship skills with active research and innovation by inculcating ethical values among students.

PROGRAM SPECIFIC OUTCOMEs (PSOs)

PSO1: Apply the knowledge of computer networking, database and computations to provide solutions to real-world engineering problems.

PSO2: Design, develop, test and maintain the software systems that satisfy the needs of the IT industry.

PSO3 : Develop programs and projects using different modern software tools for industrial & polications.

PROGRAM EDUCATIONAL OBJECTIVES (PEOS)

PEO1: Apply the principles of Information Science & Description and fundamentals of mathematics to provide solutions to societal needs.

PEO2: Pursue higher education and engage in research to meet the challenges of cutting edge technologies.

PEO3 : Design and develop reliable software systems to satisfy industrial needs through multidisciplinary projects.

PEO4: Able to work in various IT related fields and contribute to society.







It is with immense pride and privilege that I welcome you all to this new academic year at our esteemed institution. As we continue to journey forward, we stand at the vibrant intersection of tradition and progress. Our college, built upon years of academic excellence and a commitment to holistic development, is now embracing a future brimming with endless possibilities. With the support of our dedicated faculty, staff, and students, we are continually enhancing our infrastructure, curriculum, and overall educational experience. Our vision is to foster an environment where learning is not only about imparting knowledge but also about nurturing curiosity, creativity, and critical thinking. The institution has always strived to deliver an education that bridges theoretical learning with practical applications. We remain steadfast in our goal to equip

our students with the skills and knowledge required to navigate and thrive in the ever-evolving global landscape. The achievements of our students, both academically and in extracurricular pursuits, stand as a testament to the nurturing environment we provide. It is indeed an honor to be part of this institution's ongoing journey of growth and transformation. As we continue to push boundaries and break new ground, I am confident that our students will rise to meet the challenges of tomorrow and make meaningful contributions to society and the world at large. This magazine is a reflection of the enthusiasm, dedication, and brilliance that define our college. Let us continue to innovate, explore new horizons, and strive for excellence in all that we do. I extend my best wishes to everyone for a successful and fulfilling year ahead!

-Dr.PETER FERNANDES



At the outset, I am truly privileged to be associated with the Department of Information Science and Engineering (ISE) at Alva's Institute of Engineering and Technology (AIET). Our department stands at the exciting crossroads of tradition and innovation, with a solid foundation built over the years. As we move forward, we are poised for significant growth and advancement. I, along with my dedicated team, am committed to enhancing the infrastructure, curriculum, and student experiences to

ensure we meet and exceed current technological and educational standards. The ISE department has always strived for excellence, blending academic rigor with real- world application, and we continue to nurture young talent to tackle the challenges of tomorrow's technological landscape. It is an honor to be part of this journey, and I am confident that our students will continue to push boundaries, innovate, and contribute meaningfully to the world of technology. This magazine serves as a testament to the talent, energy, and dedication that defines our department. Let's continue to explore new horizons and bring innovation to life. Best wishes to all in the upcoming year!

Students Achievements





- Brijesh Reddy K H participated in the Grand Finale of Sustainability Hackathon Challenge 2023 organized by the Entrepreneurship Development Institute of India, Ahmedabad, on April 28-29, 2023.
- Manjunath R, Shrikara R M, and Mohan Raju won the 1st Prize in One Act Play and 2nd Prize in Skit at the Prathibhotsava event organized by VTU on July 31, 2023. The same team (Manjunath R, Shrikara R M, Mohan Raju)
- secured 3rd Prize in One Act Play and 1st Prize in Mime at the Yuvothsava event organized by VTU on March 29, 2023. Syed Saleha, an ISE secondyear student, participated in the Techties event, organized by CII and
- InUnity, which brought together industry professionals and students for knowledge sharing and networking. Syed Saleha and teammates took part in the Robo Relay Competition, gaining hands-on experience in robotics, from mechanical assembly to coding. The event concluded with a Knowledge Sharing and Closing Ceremony, featuring a panel discussion and Q&A session.

Faculty Achievements

- Dr. Sudheer Shetty completed Ph.D. in the Faculty of Computer & Information Sciences from Visvesvaraya Technological University, Belgaum
- Dr. Pradeep V completed Ph.D. in the Faculty of Computer & Information Sciences from Visvesvaraya Technological University, Belgaum
- Dr. Pradeep V Reviewer for Inderscience Publishers –
 International Journal of DataMining and Bioinformatics
- Dr. Sudheer Shetty is nominated as the member of Board of Examinations (BoE) of MTech (CSE) of Sahyadri College of Engineering & Management, Mangaluru.

Students and Faculty Publications (in International Journals)

- Prof. Sudheer Shetty, Arundhathi S Bhat, Lathesh, Rakshitha R, and Ravish from ISE published the paper "Automatic Music Control System using Image Processing" in IJAARSCT (Volume 3, Issue 1, January 2023).
- Prof. Jayant kumar A Rathod and Prof. Lolakshi P K from ISE published the paper "Diabetic Retinopathy Prediction using Modified Inception V3 Model Structure" in IJISAE (Volume 11, Issue 1, January 2023).
- Prof. Pradeep V, Namratha, Nisha Telli, Shravya, and Vshker Mayengbam from ISE published the paper "A Review on Eye Aspect Ratio Technique" in IJAARSCT (Volume 3, Issue 1, January 2023).
- Dr. Manjunath H R, Manoj Kumar M K, Shruthi C S, Vaishnavi P S, and Chandan H from ISE published the paper "A Review on a Machine Learning Approach to Skin Cancer Detection" in IJAARSCT (Volume 3, Issue 1, January 2023).
- Prof. Nagesh UB, Abhishek V Doddagoudra, Adarsh KM, Mayoori K Bhat, and Shreya L from ISE published the paper "A Brief Study on Human Action Recognition" in IJAARSCT (Volume 3, Issue 1, January 2023).
- Prof. Lolakshi P K, Ananya H S, Prathiksha L Shetty, Prakyath S Shetty, and Vibha M from ISE published the paper "Plant Leaf Disease Detection Using KNN Algorithm" in IJAARSCT (Volume 3, Issue 1, January 2023).
- Dr. Pradeep V, R Yajnesh, Shreyas Moolya, Shetty Yash, and Thirtha from ISE published the paper "A Review of Blockchain-Based Supply Chain Management: Applications, Challenges and Research Opportunities" in IJAARSCT (Volume 3, Issue 1, January 2023).

Wahinas in Deagrans

Washahan Dastas

Workshop on Creating Innovative Web Designs

Chandana N M's Achievement in Ball Badminton:

• Chandana N M, a student from the ISE department, became the Runner-up in the Inter-collegiate Zonal Ball Badminton Tournament organized by VTU (Visvesvaraya Technological University) on January 9th and 10th, 2023. The event was a competitive sporting tournament where colleges within the VTU zone participated in ball badminton, a popular sport in India. Chandana's performance in this tournament earned her the runner-up position, reflecting her skill and effort in the sport.

Sujan P S's Selection for All India Championship:

• Sujan P S, another student from the ISE department, was selected to represent VTU in the All India Inter-University Championship held at Mangalore University from January 13th to 17th, 2023. Sujan's selection was based on his exceptional skills and performance in his respective sport, which earned him a spot in this prestigious national-level event. Competing at this level provided Sujan an opportunity to showcase his talents on a broader stage, representing VTU among top university athletes across India.

Placements details of 2022-23 batch

In the 2022-23 batch, 34 students from the ISE department secured placements. Notable placements include:

- Yash Shetty was placed at ODESSA as an Associate Software Engineer with the highest package of 7.5 LPA.
- Brijesh Reddy joined SYX as a Trainee Engineer with a package of 6 LPA.
- Vibha Mohan was placed at Netmeds as a Quality Analyst, also with a package of 6 LPA.
- Manoj Kumar M K was placed at HCL as a Developer with a 6
 LPA package.
- Ravish Acharya secured a role at SYX as a Trainee Engineer with a package of 6 LPA.
- Shrikara R M joined TCP Wave as a Developer with a 6 LPA package.

Publications

Volume 1, boxe 1, January 2023

A Brief Study on Human Action Recognition

Mr. Nagoh UB', Abhishek V Duddagoudra', Adarsh KM', Maysori K Bhat', Shreya L' Students Department of Indonestica Science and Engineering ^{1,47}
Abra's Institute of Engineering and Engineering, Mijar, Mangalow, Kamataka, India

solution to this problem have applications in domains such as risual surveillance, rides retrieval and human computer interaction. The tool is challenging due to variations in motion performance, recording sotings and sear-personal differences. In this same ey, we explicitly address their challenges. He promise a átulad overview of current advances in the field. Image representations and the subsequent classification rices are discused squirasly is fixed at the services of recent research. Marener, we discuss limitations of the state of the art and section promising directions of research.

LINTRODUCTION

We consider the took of labelling values or ing home motion with action classes. The interest in the topic is potential by the presise of many applications, both offline and online. Automatic assoration of video custics more efficient wanting, for example finding tackles in sociar matches, hand-halos in news lootage or typical dense move in music videos. Ordine processing allows for automatic samellance, for example in shapping malls, but also in amort beaux for the childry to expect uping in place. Introceive applications, for example in business competer introceion or pano, são besefit fron the advances in interactic limits notion economies. In this sortion, we first discuss extent surveys and describe the most common datasets and algorithms. Also, we realine the main characteristics and challenges of the field as those autients the various approaches that are reported in Incomer. In its singuiser form, vision-based Immun action recognition can be regarded as a resolvantion of Europe consection, and sobsequent classification of these

B. SURVEYS

Record Advances in Video-Based Bassan Action Recognition using thesp Learning: A Review [11].

Oh Wu, Natur Sharma, Michael Bassansian [11] Video-based human action recognition has become one of the most popular research areas in the field of computer vision and pattern recognition in record years. It has a wale variety of plications such as ner-cillator, robotics, leadth-care, valve scarching and buston-computer interaction. There are many dullenges involved in human action recognition in videos, such as cluttered backgrounds, occlusions, view point n, execution rate, and camera motion. A large number of techniques have been proposed to address the challe over the decades. These different types of detacts namely, single viewpoint, multiple view point and RGB-depth videos, are used for research. This paper presents a review of various state-of-the art deep learning-based techniques proposed for human action recognition on the firms types of datasets. In light of the growing popularity and the record development is rider-based busine action recognition, this review impacts details of current trends and precental discretions for fature work to assist researchers.

Action Recognition for Nervellance Applications Using Optic Flow and SVM [2]

Sensysh Dundle, Nilosfar Cheisser [2] Low quality images taken by surveillance cameras pose a great challenge to human action recognition algorithms. This is because they are usually noisy, of low resolution and of low frame rate. In this maker we measure at action recognition also when to exercises the above challenges. Author used onto flow to ruct rection discriptors and apply a SVM to classify them. Having powerful discrim reduce the vice of the feature set required. This algorithm can be applied to videos with low frame rate without scarifying efficiency or securacy, and is robust to scale and view point changes. To evaluate our method, nother used a database consisting of walking, meeting, jurging, band clapping, band waving and buting actions. This generale database has



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Volume S. Name 1, January 2023

Utilizing the CNN Algorithm to Identify Meals and Calculate Calories

Mr. Shavas I. Pair¹, Jervicha Veneva Senavas², Manisha², Pan and Arbanya², Rakshith³ Searce Associated Professor, Department of Information Source and Engineering. After's Incident of Engineering and Technology, Voljar, Mangalons, Camerala, India

squire ster-fact underfrest, pure and of standard goality. The standards imposed and me nal in find processing industry tales care of find quality. New a day, people across the sensions are becausing most security to their dark final recognition and caloria management project will describe the relationship between marristend improfilems interofication in final and improving calorics descript Machine Ecertisg model to perfore the data-analysis, the experiments on real life dataset to show that our marked improves the performance with efficient accuracy. John, our liquion will recommone, boat for some different age proget. This work is able to identify the Nortion that we may get affected by lacking of containment ingradient in our look and recommend the first that can benefit the reliabilitation of these day groups. To others high scanacy and less one complicity. As proposed system implemental using CNN Max

- [8] FoodRaugeliet for Discry Assessment Calaria Hawareness using Machine Learning Technique Addits Capia, States
- III. New relations of colone content and diversioning preciousliated from day to-day utake of tool using
- Image Processing Rospe Leyenagh J. Nagapapania ik DE: Recognition of multiple-final ranges by dates ingcaralidate ago Yanni
- organism ming-first convolutional acrowsk M. Massancjul, G Maraclin, P. Champelani, I. De-Money, M. Moderani, and S. Cagnesia
- No. Wide-the craided activate the floor recognition N. Martinel, G. L. Foneti, and C. Micheles
- [1] Imgraed Ravyritine, Localitation and Beautier using Consistent Networks & Semana, D. Eigen, K. Zhang, M. Malten, R. Rogas, and Y. LeClan.
- Prings 4. Ventriers, B. Vergas, and Y. LeCum (Rp. Recognition of field of type and indices extension sungarantia serveds: II. Binech Komer, E. Oolden Inde, N. Hannit Kolimons, S. Vissal and Scanglages No. (Rp. Analysis of Fard Images, Francisco and Chandis, attim Natio Channa, Card E. Fennberg, Edward I. Daly [186]. Massetting Colorins and Natrices from Food Image. Partice Foodbackeds, Sherindellemskammed, Rass, Al-

Human Action Recognition:

- Uses AI andmachinelearningtoidentify human activities.
- Applied in surveillance, healthcare, and human-computer interaction.
- Discusses challenges like occlusions and viewpoint variations.

CNN for Meal Identification & Calorie Calculation:

- Uses CNNs to recognize food items and estimate calories.
- Helps in health monitoring and diet management.
- Trained on food datasets for accurate classification.

ALVA'S FILM-FEST 2022-23

A charitable fund-raising event



Alva's Film Fest charitable movie show is conducted by AIET, which is organized by department of Information Science and Engineering under FORUM activity, "Techgeeks". The event was held on 5 th and 6 th of November 2022 for the academic year 2022–2023. The main objective is to raise fund for charitable cause by means of entertainment. The function was inaugurated by Dr. Peter Fernandes, Principal, AIET, Head of the department Prof. Sudheer Shetty, forum coordinators Mr. Manjunath H R and Pradeep Nayak, student forum president Shivaraj and Preethi all the staff and students were also present for the inaugural function. The recent popular movies were played on TWO SCREENS during this event for 2 days with 4 shows in day 1 on Saturday and 4 shows in day 2 on Sunday.

Workshop on Innovative use of Database technologies for building applications 17 th November 2022



Objective:

Encouraging student creativity, knowledge of Database Technology, and awareness of modern trends.

Resource Person:

Mr. Nikhil S Acharya, Software Engineering Analyst, Capgemini, Bangalore.

Session Highlights:

- Setting up PHP & MySQL on Linux/Windows
- Writing basic PHP scripts
- Working with strings, arrays & associative arrays
- Using regular expressions for data manipulation
- Exploring OOP features in PHP
- File handling (read/write operations)
- Database integration Querying & updating MySQL
- User authentication with cookies & sessions

Hands-on Workshop on Innovative Web



- 📅 Date: 14th February 2023
- Torganized by: Dept. of Information Science & Engineering, in association with Institution Innovation Council (IIC), MHRD Initiative
- Resource Persons: Mr. Devdut & Ms. Nistara, BACCE Foundation
- Event Objectives:

Encourage student creativity in Web Programming Enhance awareness of trends & innovations Foster critical thinking in modern web technologies Inspire students to become digital creators

MATERIALS RECOVERY FACILITY, NITTE



Industrial Visit to India's First Material Recovery Facility (MRF) The 2nd-year ISE (A Section) students from Alva's Institute of Engineering & Technology participated in an industrial visit to India's first Material Recovery Facility (MRF) in Nitte village, Karkala Taluk on 10th February 2023. The visit was organized under Social Connect and Responsibilities, facilitated by the Social Department of Alva's Education Foundation, under the guidance of Mrs. Swapna. The MRF facility, set up by the Udupi Zilla Panchayat, is designed to scientifically handle and process 5 tonnes of dry waste daily, achieving over 90% resource recovery with minimal manpower. The visit provided students with practical insights into sustainable waste management and environmental conservation, helping them understand the importance of efficient waste processing technologies.



The project was being implemented with the sanction of the rural drinking water and sanitation department covering 42 gram panchayats in Karkala, Udupi, Kapu and Hebri taluks with technical guidance from Sahas Zero Waste Pvt. Ltd., and management by Mangala Resource Management Pvt. Ltd., Mangaluru, a three year-old start-up. The estimated cost of the project was ₹3.2 crore. Dry waste collected door-to-door would be taken to the MRF where it would be segregated to around 30 sub-components. Recyclable bailed waste would be sent to recycling units while non-recyclable waste would be sent to cement factories for co-processing. The MRF is spread over 10,000 sqft, employs 30 personnel, has storage, segregation and bailing units, an office, a security room and a rest room. A conveyor belt, bailing machine, stacker, fire safety, generator, CCTV, 70tonne capacity weighbridge and a 7- tonne capacity truck are the other components.

Representation of Students in Technical and Extracurricular Activities 2022-23

- 1. Brijesh Reddy K H 4AL19ISO12 Ahmedabad Entrepreneurship Development Institute of India, Ahmedabad Grand Finale of Sustainability Hackathon Challenge 28-29 April 2023
- . 2. Sathwik K D 4AL21ISO47 Kollur , Karnataka, Karnataka Eco Tourism Karnataka Bird Festival January 6 2023
- 3. Manjunath R 4AL21ISO27, Shrikara R M 4AL19ISO55, Mohan Raju 4AL20ISO28 Bangalore Visvesvaraya Technological University Prathibhotsava 2022 31st July 2022 One Act Play- 1st prize Skit- 2nd prize.
- 4. Shwetha R Sharma 4AL20ISO47 Vamanjoor, Mangalore St Joseph Engineering College HackToFuture 25/04/2023 -26/04/2023 HeartCare web application.
- 5. Sujan P S 4AL20ISO51, Prasad 4AL20ISO37, Prajwal Gowda M 4AL20ISO36 Ballari Rao Bahadur Y Mahabaleswarappa Engineering College Ballari Ball Badminton 22/12/2022 to 23/12/2022 1st Prize In Inter Collegiate Zonal Tournament
- 6. Sharanya 4AL19ISO46 Bangalore VTU,VTU fest -Eastern Group singing and classical vocal solo 27/07/2022 to 29/07/2022
- 7. Chandana N M 4AL21ISO64 Mandya VTU Inter collegiate zonal ball batminton tournament 09/01/2023-10/01/2023 Runner
- 8. Chandana N M 4AL21ISO64, Anagha Y N Udupa 4AL21ISO06 NITK Surathkal,India Department of computer science and engineering NITK ,Surathkal ,India Workshop on IPv6 Deployment 20/03/2023 to 22/03/2023.

MONTHLY REPORT CODERS OF ALVA'S



Date: 19th November 2022

📍 Venue: MBA Seminar Hall, AIET

Presided by: Dr. Peter Fernandes, Principal, AIET

Chief Guest & Speaker: Mr. Narayan Kamath, Principal Solution Architect, KPIT

CODE TALK-1: Emerging Technologies in Automobile Industries Organized by Coders of Alva's, this interactive session aimed at bridging the industry-academia gap.

Key Highlights:

- * Software-Defined Vehicles Role of IT in transforming vehicles into moving computers
- * Challenges & Solutions in automotive software development
- * Programming languages used in modern vehicle systems
- * Vehicle Network Topology & Controllers Understanding Domain, Zonal & Service-Oriented Architectures
- * Comparative insights on different Software Architectures

Workshop on Innovative use of Database technologies for building applications





The Department of Information Science and Engineering organized a workshop on "Innovative Use of Database Technologies for Building Applications" on November 17, 2022, in collaboration with the Institution Innovation Council (IIC). The workshop aimed to enhance students' creativity and understanding of recent trends in database technology. Mr. Nikhil S Acharya, a Software Engineering Analyst at Capgemini, led a hands-on session on setting up PHP and MySQL development environments on Linux and Windows. Topics covered included scripting, working with arrays, using regular expressions, object-oriented programming, file operations, MySQL database queries, and session management for authentication. The workshop also focused on security features and debugging. 56 third-year B.E. students participated, alongside faculty members and IIC coordinators, benefiting from this insightful session.

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Workshop on Innovative use of Database technologies for building applications





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Hands-on Workshop on Innovative Web Programming





The Department of Information Science and Engineering organized a Hands-on Workshop on "Innovative Web Programming" on February 14, 2023, in collaboration with the Institution Innovation Council (IIC). The workshop aimed to foster creativity and enhance students' understanding of current trends in web programming. Resource persons Mr. Devdut and Ms. Nistara from BACCE Foundation led the session, covering topics such as HTML document creation, markup tags, working with text, lists, tables, frames, and multimedia, as well as form handling. The workshop also introduced Cascading Style Sheets (CSS), web publishing, JavaScript, and form validation techniques. 54 second-year B.E. students participated, along with faculty members and IIC coordinators, benefiting from the hands-on learning experience.

Students' Innovative Project Competition





The Department of Information Science and Engineering organized a Students' Innovative Project Competition for the final-year students of the ISE department on April 26, 2023, in association with the Institution Innovation Council (IIC), an initiative of MHRD. Dr. Ahamed Shafeeq B M, Professor, Department of Computer Science & Engineering, Manipal Institute of Technology, Manipal, Karnataka, served as the external judge, while Dr. G. Srinivasan, Professor, Department of Computer Science & Engineering, Alva's Institute of Engineering & Technology, was the internal judge for evaluating the projects. A total of 66 students participated in the competition, divided into 17 batches, with each batch presenting innovative projects. The competition encouraged students to showcase their creativity and engineering skills, providing a platform for them to demonstrate their technical abilities.

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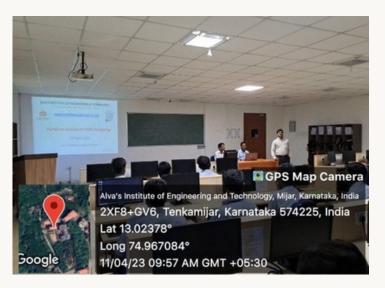
Innovative Idea Contest

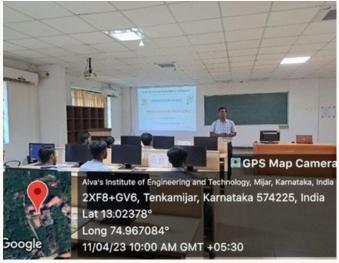




The Department of Information Science and Engineering, in association with the Institution's Innovation Council, celebrated Innovation Day on October 20, 2022, to honor the birth anniversary of Dr. A. P. J. Abdul Kalam. The event featured an Innovative Idea Contest, aimed at bringing out the creative potential of students and assessing their knowledge and awareness of the latest trends in Engineering and Technology. The contest encouraged second-year Information Science and Engineering students to present their innovative ideas, fostering a thought process towards recent advancements in the field. The event provided a platform for students to unleash their creativity, motivating them to engage in meaningful activities and turn their ideas into reality.

Hands-on Session on Innovative Web Designing





The Institution's Innovation Council of Alva's Institute of Engineering & Technology organized a "Hands-on Session on Innovative Web Designing" on April 11, 2023, from 9:30 am to 12:30 pm at the CAMD Lab – Mechanical Block. The session aimed to inspire students' creativity and enhance their knowledge of recent trends in web designing. Mr. Pradeep V, Senior Assistant Professor from the Department of Information Science and Engineering, led the session, covering topics such as the basics of web designing, HTML, creating HTML documents, markup tags, working with text, and an introduction to hyperlinks, images, and multimedia. Dr. Satyanarayan, Coordinator of Innovation and We Club, along with the Head of Mechanical Engineering and faculty coordinators of the club, attended the event. A total of 42 students from Mechanical, Civil, and ECE branches participated, gaining valuable insights and hands-on experience in web design.

Session for Internal Students by Innovation Ambassador





AIET organized a session on "Innovation in Computing" for internal students on September 2, 2022, in association with the Institution Innovation Council (IIC), an initiative by MHRD. The resource person, Mr. Pradeep V, IIC Innovation Ambassador and Sr. Assistant Professor from the Department of Information Science and Engineering, AIET, discussed the role of innovation in computer science. He highlighted that innovation involves applying new ideas, approaches, or technologies to solve problems or create value. Mr. Pradeep V explained how innovation in computing can address challenges, improve efficiency, and foster new industries, emphasizing that computing innovation often leads to the development of new products or services. A total of 66 third-year B.E. ISE students participated, along with faculty members, gaining insights into the significance of innovation in computing.

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"Workshop on Data Analytics with Spark: A Hands-on Session





The Department of Information Science and Engineering organized a workshop on "Data Analytics with Spark" on August 24, 2022, in collaboration with the Institution Innovation Council (IIC). Mr. Vignesh, a Software Developer at IBM India, led the hands-on session. Topics covered included the Spark Catalyst optimizer, Spark SQL, creating Spark sessions and DataFrames, and working with temporary and global views. The session also explored accessing elements in DataFrames, using the WHERE clause, dropping columns, and running queries on Spark SQL. Additionally, participants learned about group by and aggregation, windowing, and joins in Spark. 58 second-year B.E. ISE students participated, along with faculty members and IIC coordinators, benefiting from the session's insights on Spark and data analytics.

Report on visit to The Indian Institute of Science (IISc) &

Visvesvaraya Industrial and Technological Museum (VITM)

Banaalore





On 4th March 2023, the Department of Information Science and Engineering at AIET organized a one-day industry visit for final-year students to the Indian Institute of Science (IISc) and Visvesvaraya Industrial Technological Museum (VITM) in Bangalore. The visit coincided with IISc's Open Day-2023, where students explored various departments and learned about ongoing projects and research. They first visited the Supercomputer Education and Research Centre (SERC), where they observed the evolution of computing systems, including the CRAY XC40 supercomputer. Students also visited the Computations and Data Science (CDS) department, where IISc students showcased their projects on cloud platforms and network communication algorithms. Later, they explored VITM, which featured interactive science and technology exhibits. The visit enabled 32 final-year ISE students to gain practical insights into supercomputing and research, and they conducted hands-on experiments to better understand theoretical concepts. The visit was coordinated by Assistant Professors Mr. Sharan L. Pais and Ms. Lolakshi P. K.

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Placement Details For Academic year 2022-23

Academic Year	No. of students graduating in minimum stipulated time	No. of students placed	Median salary of placed graduates per annum (Amount in Rs.)	No. of students selected for Higher Studies
2022-23	63	37	4.28lack	1

Placement Details For Academic year 2022-23

Registration/Enrollment No. of the student in your institution	Name of the Student	Organization Placed in	Salary Offered
4AL18IS014	NAVEEN BHAVANI K	Tek Works (Bit Labs)	3.5LPA
4AL18IS018	PRAKYATH S SHETTY	CHIPSY	2.4LPA
4AL18IS027	VIBHA MOHAN	Netmeds	6.LPA
4AL19IS001	ABHISHEK	Secon	5LPA
4AL19IS002	ABHISHEK V DODDAGOUDRA	Lekha Wireless	5LPA
4AL19IS003	ADARSH K M	TietoEvry	4.75LPA
4AL19IS004	ADWAITH P	Specbee	3.7LPA
4AL19IS006	ANANYA H S	Secon	5LPA
4AL19IS007	ANUSHA T R	HIVEMINDS	3.5LPA
4AL19IS008	ARUNDHATHI S BHAT	TietoEvry	5.5LPA
4AL19IS012	BRIJESHREDDY KH	SYX	6LPA
4AL19IS014	FAYIZ AHAMED K	TAYANA	4.5LPA
4AL19IS015	GAGAN RAGHAVENDRA J	Comviva	3.75LPA
4AL19IS016	GOWTHAMI K M	ACCENTURE	3.5LPA
4AL19IS017	JEEVITHA NAVEEN SUVARNA	Tech mahindra	3.25LPA
4AL19IS019	KAVYA V KULKARNI	TietoEvry	4.75LPA
4AL19IS020	LATHESH	PaceWisdom	4.5LPA
4AL19IS021	MAMATHA D	Cognizant(Genc)	4LPA
4AL19IS023	MANISHA	SLK Software	3.2LPA
4AL19IS024	MANOJ KUMAR M K	HCL	6LPA
4AL19IS025	MAYOORI K BHAT	Mresults	4.5LPA
4AL19IS027	NAYANA M S	NEELITECH	1.2LPA
4AL19IS028	NEKKANTI DEEPAK	MOSS ADAMS	4.8LPA
4AL19IS029	NISHA M	SYNCHRONOUS TECHNOLOGIES	3.5LPA
4AL19IS030	NISHA TELLIS	TietoEvry	4.75LPA
4AL19IS032	POORNACHANDRA S	Cognizant(Elevate)	4LPA
4AL19IS039	R YAJNESH	Lekha Wireless	5LPA
4AL19IS044	RAVISH ACHARYA	SYX	6LPA
4AL19IS046	SHARANYA	Sonata Software	4LPA
4AL19IS048	YASH SHETTY	ODESSA	7.5LPA
4AL19IS049	SHIVARAJ	SASKEN	5.1LPA
4AL19IS050	SHRAVANI M S	Lekha Wireless	5LPA
4AL19IS052	SHREYA L	COGNIZANT	2.5LPA
4AL19IS055	SHRIKARA RM	TCP Wave	6LPA
4AL19IS056	SHRUTHI C S	TietoEvry	4.75LPA
4AL19IS057	SUDHEEPA POOJARI	TCS	3.3LPA
4AL19IS059	THIRTHA	Diya Systems	3LPA
4AL19IS063	VSHKER MAYENGBAM	NIC	3LPA