



Laxmi Memorial Education Trust®
Mangaluru

AJ SPARKLE 2022



**A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY,
MANGALURU**

**(A Unit of Laxmi Memorial Education Trust®)
(Affiliated to VTU Belagavi, Karnataka, Approved by AICTE, New Delhi
and Recognized by Govt. of Karnataka)
ACCREDITED BY NBA (BE, CV, CSE, ECE, ISE & ME)**



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LAXMI MEMORIAL EDUCATION TRUST (R)

Laxmi Memorial Educational Trust[®] (LMET) was propounded in 1992 by the well-known industrialist, social worker, and munificent philanthropist Dr.A.J. Shetty, in memory of his mother Late Laxmi Shetty. It is the mission of the Trust to provide **education by trained faculties and develop the personality to meet the ever-growing expectations and challenges of society.** Further, as a Trust with a difference, it looks beyond its boundaries and strives hard to offer education at an affordable cost to different strata of society. **Dr. A. J. Shetty**, the President, and **Managing Director of the Trust**, started his successful journey to the domain of excellence from a humble background. He is a born leader, and authentic achiever and today he is a business genius.

Being a pioneer industrialist of South Kanara, Dr. A. J. Shetty started the renowned 3-Star Hotel MotiMahal, A.J Hospital & Research Centre (Tertiary Care Super Speciality Hospital), A.J. Institute Of Medical Science, A.J. Institute Of Dental Sciences, A.J. Institute Of Management, A. J. Institute Of Paramedical Sciences, Laxmi Memorial College Of Nursing, Laxmi Memorial Institute Of Nursing, Laxmi Memorial College Of Physiotherapy, MotiMahal College Of Hotel Management (Attached With 3 Star Training Hotel MotiMahal), Laxmi Memorial College Of Hotel Management, A. J. Institute Of Hospital Management, Laxmi Institute Of Paramedical Sciences, A J Institute of Engineering & Technology, A J grand Hotel-Multi Cuisine restaurant.



AJ INSTITUTE OF ENGINEERING AND TECHNOLOGY



AJ Institute of Engineering & Technology is promoted by Laxmi Memorial Education Trust, Which was registered in the year 1991 in the memory of Late Laxmi Shetty, mother of Dr. A. J. Shetty, who is the President and Managing Director of the Trust.

The location of the proposed institute is a unique one with reference to the distance from the center of Mangalore city. Setting up AJIET at Kottara Chowki, Bloor village, about 5 km from the Mangalore Railway Station and about 12 KMs from Mangalore Airport will go a long way. This location of the institution will meet part of the projected requirement for high-quality engineers. The geographical location is an important factor, AJIET will be able to work in tandem with other prestigious institutions like NITK Suratkal, in a totally complementary manner for mutual benefit to the student community and the institutions, at large. As explained in this project report our institute is also very close to a number of industries which are all either on NH 17 or around the same national highway. Therefore our vision is to attain perfection and excellence. Excellence is the provision of outstanding educational facilities to our students' unparalleled benefits to our staff, dominating our competitors, and consistently displaying record growth in our annual progress with unique ideas, inventions, and innovations. We are always for the highest standards.

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From the President's Desk



I am extremely happy to know that the A J Institute of Engineering and Technology is bringing out their college magazine "A J Sparkle-2022" this year. It is a matter of pride that the college magazine committee has put in its best efforts to bring out the magazine for the academic year 2021-22. The magazine, I feel, will mirror the creative and innovative ideas of both the professors and the students. The articles published in it, I hope, will be of contemporary relevance. I congratulate the convener and the committee members on having successfully brought out the magazine in a very useful way.

I wish them all success.

Dr. A.J. Shetty
President



From the Vice President's Desk



I am glad to know that A J Institute of Engineering & Technology, Mangalore is bringing out the College Magazine “A J-Sparkle-2022” for the year 2021-2022. A college magazine reflects the consolidated efforts of the Professors and the students to contribute articles to the magazine in a creative manner. It will also exhibit the latent talents of the Professors and the students as storytellers, poets, essayists, and so on. I can understand the hard work undertaken by the magazine committee to make it a reality in a meaningful way. I congratulate the convener and the committee members on their successful effort to bring out the magazine for the academic year 2021-22.

A. Prashanth Shetty
Vice President



From the Desk of Principal.....



“Education is the key that unlocks the golden door to freedom”

- George Washington Carver-

I am very happy with the release of the college magazine "A J Sparkle 2022." A. J. Institute of Engineering and Technology provides a platform for every student to develop their learning skills through magazines. I hope it brings out innovative and inspiring articles. It is an opportunity for both students and staff to showcase their talent by publishing unique articles and bringing out new ideas. It is a tool for maximizing the potential of our staff members and students. The management has provided modern infrastructure in a short span of time for personality the development of students. They also provided well-equipped laboratories, and a good library has also been established. Students are given ample opportunities in sports and cultural activities to bring out their inherent qualities.

I am glad that many students have come out successfully using this facility. Students were given special training on placement activities, soft skills, aptitude, and technical. I am very happy that most of the students are placed in good companies. The college has made tremendous progress in all areas, academic, non-academic, and capacity with building relating to staff and students. I congratulate the editorial board members, staff, and students for bringing out the college magazine, A.J. Sparkle 2022.

I hope the students have a very successful future and career.

Dr. Shantharama Rai C
B.E., M.Tech, Ph.D, MISTE, MISLE, MIEEE

FROM THE EDITORIAL

"Coming together is a beginning. Keeping together is progress. Working together is success".-Henry Ford

When it comes to campus life, a magazine is a mirror. It's a reflection of the college's literary, intellectual, and athletic activities. It depicts the significant collegiate activities that took place in a particular month or year. The magazine committee is glad to note that many of the students and the staff members have evinced interest in the magazine by contributing creatively and fascinating literary, technical, science, humanity articles in English, Kannada and Hindi. This issue is a treasure of poems, stories, beautiful pictures, and topics related to various branches of knowledge. The committee deems it an honour to congratulate all of them. The committee members express our deep sense of gratitude to the Principal, Dr Shantharama Rai C, for bringing out the magazine. We are also grateful to our Management for their continuous encouragement and support to bring out the magazine. With all the student's efforts and contributions, we genuinely hope that this magazine will be informative and resourceful. We want to express our heartfelt gratitude to our sponsors, Sri Graphics Printer, and everyone who contributed to making this edition possible.



Sitting L-R: Dr. Shobhitha Shetty, Prof. Vinod T D'souza, Dr. Sadananda Kumar, Dr. Rithin Kumar, Prof. Dr. Shantharama Rai C (Principal), Dr. Sankappa Rai B, Mr. Harold D'souza, Mrs. Sharanya P S, Mrs. Pratheeksha Rai

Standing Row-1 L-R: Mr. Santhosh, Harshith, Shashank, Mrs. Prajna, Ms. Nischitha Shetty, Mrs. Maithri Shetty, Ms. Sahana, Mrs. Vishmitha Shetty, Dhanya Shetty, Akshara Rai, Bhoomi Suvarna, Pratheeksha, Deeksha, Sukanya

Standing-Row-2 L-R: Bharathraj, Sudharshan, Ashlesh, Nithin, Devikrishna, Prakyath, Kiran, Sharan, Shashank.

A J institute of engineering & technology is started in the academic year 2016-2017, with five engineering branches of study, namely computer science & engineering, electronics & communication engineering, mechanical engineering, civil engineering, and information science engineering. Institute is promoted by Laxmi Memorial Education Trust @ which was registered in the year 1991 in the memory of late Laxmi Shetty, mother of Dr. A J Shetty, who is the president and managing director of the trust.

AJIET had a memorandum of understanding (MOU) with Seventh Sense People Development solutions Pvt Ltd & Inquilab Inventions Foundation, Infosys Springboard, Marian Projects Pvt. Ltd, Kakunje software, Government tool room, and Training Centre.

We are happy that Dr. Sunil Kumar Assistant Professor of the Mechanical department and Dr. Basappa B. K Associate Professor of the Computer Science & Engineering department was awarded a Ph.D. degree during this academic year from VTU for their research work.

Dr. Shantharama Rai C and Dr. Gnane Swarnadh Satapathi filed a Patent titled "Smart system for the menstrual cup using machine learning" on 10-12-2021.

Dr. Gnane Swarnadh Satapathi filed a Patent titled "Abhigyana Paripathaphalaka - A smart switchboard" on 24-09-2021.

The grant of Rs. 4.44 Lakhs is being sanctioned for the research proposal entitled as "Design and Implementation of Security Solution for Healthcare Systems" submitted by Dr. Nagesh H.R. (PI), Kiran Kumar V.G.(CoI-1) and Basappa B Kodada (CoI-2) under VTU Research Grants Scheme -2021.

Dr. Shantharama Rai. C, Dr. Gnane Swarnadh S, Mr. Manjukiran, Dr. Rajesh Rai, Mr. Sunil Kumar B received a Grant worth Rs.1,00,000/- for their project titled "All-terrain Vehicle with portable cold storage for transporting COVID Medicines" from LMET.

Dr. Rajesh Rai, Mr. Prakhyath, Mr. Prakash K Shetty, Dr. Gnane Swarnadh S received a Grant worth

Rs.1,00,000/- for their project titled " Wheel Chair Cum bed for hospital use" from LMET.

Dr. Nagesh HR, Dr. Kiran Kumar VG, Dr. Basappa, received a Grant worth Rs.4,44,000/- for their project titled " Design and Implementation of security solution for healthcare systems" from VTU Research Grants Scheme.

Dr. Sangeetha DM received a Grant worth ₹2,58,100 for the project of Computational Models for the static analysis of steel composite plate girder from VGST for tAY 2021-22.

Mr. Nitesh received a Grant worth ₹50,000 "Evaluation of metal contamination risk of ground and surface water near municipal solid waste dumping site area Mangalore: an overview of pollution indices with risk assessment and application of low-cost water filter" From KSCST FPP. Also, he received the best paper award for "Evaluation of Physicochemical Characteristics and Metal Contamination Risk in Nethravathi and Gurupura River Basin: Overview Of Pollution Indices With Risk Assessment "International Conference On Engineering Innovation (ICEI 2022).

More than 50 research papers were published in various national and international journals and conferences by Dr. Shantharama Rai C, Dr. Suresha D, Dr. Naganna Chetty, Dr. Amaranth Shetty, Dr. Sangeetha D. M, Dr. Shantha Kumari K, Mrs, Navya S Rai, Mrs. Wilma Dsouza, Dr. Rithin Kumar N. B, Dr. Vignesh Nayak, Dr. Sreejith B K, Mr. Prasad B G, Mr. Sudheer Kini, and Dr. Sunil Kumar.

More than 7 Indian and foreign patents were published by our faculty members. Out of which 1 Indian patent and 2 Australian Patents were granted.

Dr. Gnane Swarnadh Satapathi was elected Elected for chartered Engineering from IEI from December 2021, Elected as Innovation Ambassador for Institute Innovation Council, and elevated as Senior Member in IEEE.

Mr. Manjukiran B, Elected as Mentor of Change [MoC] for Atal Innovation Mission, GoI.

More than 17 FDPs and training were attended by our faculty members.

A Project titled "A Novel Plastic Waste Management system to control Air Pollution" was selected for State level seminar and Exhibition under the 45th series of the student project program 2021-22.

A Project titled "Smart Wheel Chair" is short listed as the best project under VTU innovative project for the year 2021-22.

A J INSTITUTE OF ENGINEERING AND TECHNOLOGY, Dakshin Kannada had undertaken various activities prescribed by Innovation Cell, Ministry of Education, Govt. of India to promote Innovation and Start-up in the campus during the IIC calendar year 2021-22 and bagged two stars.

A J INSTITUTE OF ENGINEERING AND TECHNOLOGY MANGALURU is recognized in the band "PROMISING" under the category "Colleges/Institutes (Private / Self Financed) (Technical)" in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021, a flagship program of the Ministry of Education, Government of India. 29th December 2021.

Students have won the overall championship in the state-level Techno-Cultural fest held at SDIT-2022.

Our Students were Runner-up in Sentia 2022, State level Cultural, Technical, and Management fest at MITE, Moodbidri.

Students were winners in the Treasure Hunt event at Srinivas Engineering college, Mukka, Mangalore.

Selected for Hosting the start-up (Project-code "Unnati") challenge program 2022 by the Government of Karnataka.

Ms. Shifali Shetty won and represented VTU in Volleyball, at SRM University Tamilnadu.

Ms. Namrutha Shetty won 5 bronze medals in the swimming competition, at Jyothi Institute of Technology on 15-12-2021.

M. Sravan K won 1st prize in the best Physique Competition at Jyothi Institute of Technology on 22-02-2022.

Ms. Mayuri P was selected to represent VTU in TAEKWONDO, Jyothi Institute of Technology on 28-02-2022.

Our faculty has published more than 50 research papers in various national and international

journals and conferences during the academic year 2021-22.

Staff status: Presently the teaching faculty strength is 72 with 23 Ph.D. and the non-teaching Faculty strength is 54.

To improve the technical skills and activities of the students and staff various technical Association were formed such as the Computer Society of India (CSI), Indian Society of Technical Education (ISTE), Institute of Engineers India (IEI), Board For IT Education Standards (BITES), Institute of Electrical and Electronics Engineers (IEEE), etc. and also various technical clubs were formed such as Science Club, Radio Club, Aero Club, IOT/ Developers Community club, Automotive club, Embedded & Robotics club, Eco Club and Language Proficiency club, etc, Students Development club, etc.

For quality education & smooth running of the college different internal committee was formed such as College academic committee/IQAC, students welfare committee, anti-ragging squad, hostel committee (Boys and Girls) maintenance /transportation /security Committee, Grievance & Readdressal /disciplinary committee, women's welfare/ sexual harassment eradication committee, placement training/career guidance/IIPC committee, program organizing committee, literary & cultural committee, website, ERP & networking committee, canteen & housekeeping committee, examination/time table committee, library committee, research & development committee, NSS/ sports /red cross committee, etc. are headed by a senior professor. Institute has a separate advising/counseling system, where each class is allotted one senior professor as an advisor to take care of the daily activities of the respective class.

Counselors along with class advisors conduct meetings once a month to analyze students' performance in Internal Examination. On basis of the analysis done & the outcome of the meeting, special classes are conducted for the students who require extra support and attention for academic performance.

The placement department provides a unique platform for the students to showcase their skill-set and the companies recruit the potential leaders of tomorrow. Also, weekly two hours are

allotted for English communication training and confidence building along with student activities regarding technical issues of engineering like quizzes, pick and speak, paper presentations, etc.

The Women's Development Cell of the college has been actively working for the betterment of the female students in the college. It aims at conducting discussions about the problems of girls studying in college. The committee is established to address academic/non-academic issues related to women such as providing them with awareness talk, providing them with the knowledge of their redressal of grievances, providing counseling services for female gender to share their problems, etc. The Women's welfare committee of AJIET conducted women's day on 08-03-2022 for female students and staff.

Along with educational development, the cultural department emphasizes making students versatile by taking into account their hidden talent, and art to enhance students' carrier prospects. The

cultural department has remained a perennial source of inspiration as the department has been conducting various events. Our college organized Fresher's day program for all first-year B.E. students on March 5th 2022. Students of different sections participated in 30 minutes variety Competition. College also organized the annual fest AAKAR 2022 on 03/06/2022 and 04/06/202 to exhibit the hidden talents of the students.

R&D Cell aims to nurture research culture in the College by promoting research in newly emerging and challenging frontier areas of Engineering, Technology, Science, and Humanities. It encourages the students and faculty to undertake research in newly emerging frontier areas including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competitions, etc.

Following are the List of grants received by students for their project work:

Funding Agency	Guide name	Student Name	Branch	Project Title	Amount
KSCST	Mr. Nitesh	Ms.Deeksha Ms.Sridevi R. Mr. Sujith Shekar Poojari Ms.Prajna	CIVIL	Evaluation Of Physicochemical Characteristics And Metal Contamination Risk In Nethravathi And Gurupura River Basin: Overview Of Pollution Indices With Risk Assessment And Application Of Low-Cost Water Filte	7000.00
KSCST	Dr. Suman K	Mr. Nikesh Kumar Siwan Mr. A Prem Kumar Mr. Dileep M Ms.SunainaGharti	CIVIL	Low Cost Sensor Based Kit To Detect The Ghg Gas Emissions From Sewage And Industrial Effluents In Mangalore And Public Awareness Survey Of The Same	4000.00
KSCST	Dr. Sangeetha D M	Ms. Costa Janavi Ms. A. Manjima Ms. AnanyaKudyadi Ms. Chaitanya Chandrashekar Hosamane	CIVIL	Strength Evaluation Of Steel Plate Girder Using Staad Pro Software	4000.00

KSCST	Prof.Siju V Soman	Mr. Bhavna Sharma Ms. Shraddha Ms. Arpitha M J	CSE	Esperanza - IOT Buddy At Home	6000.00
KSCST	Prof. Prakash K Shetty Prof.Manjukiran B	Mr. Dhanush Mr. Dhanush Amin Ms. K Pallavi Mr. Nithesh Kumar	ISE	Object Detection Based Garbage Collection Robot	6000.00
KSCST	Prof. John Prakash Veigas	Ms. Yashaswini Ms. Meghashree Ms. Pavithra Ms. Zubaida Shaima	ISE	Mage Regeneration For Old Damaged Reel Picture	4500.00
KSCST	Dr. Suresha D	Ms. Swapna Ms. Pratheeksha H Ms. Saamiya Ms. Tanya Mendon	ISE	Chronic Disease Prediction After Covid-19 Using Machine Learning	3000.00
KSCST	Prof. ArunaKumari G. K.	Ms. MEGHA JOSE Mr. ABHIJITH P.P Ms. KRITHI T Ms. NIKITA	ISE	Breast Cancer Histopathology Image Classification Using Machine Learning	5000.00
KSCST	Dr. Sunil Kumar S	Ms.Yojith.K Mr. Rakshith Acharya Mr. Sharavanraj Kambli Mr. Vasanth Kumar T S	Mech	A Novel Plastic Waste Management System To Control Air Pollution	7000.00
KSCST	Dr. Sreejith B.K	Mr. Sarang C M Mr. Abhishek Sasidharan Mr. Pranav A.P Mr. Pranav T.V	Mech	Development Of 360° Rotating Sound wave Fire Extinguisher	7500.00
KSCST	Prof.Prashanth D A	Mr. Akhilraj E S Mr. Akhil K S Mr. Abraham Mathew Mr. Anirudh K	Mech	Injection Moulding Machine And Production Of Fuel From Waste Plastic	10000.00
VTU – Innovative Project Grant 2022	Dr. Suman K	Mr. Nikesh Kumar Siwan Mr. A Prem Kumar Mr. Dileep M Ms. Sunaina Gharti	Civil	Low Cost Sensor Based Kit To Detect The Ghg Gas Emissions From Sewage And Industrial Effluents In Mangalore And Public Awareness Survey Of The Same	5000.00
VTU – Innovative Project Grant 2022	Dr. Amarnath Shetty	Mr. Nickson George Mr. Vyshnav Sunil Mr. K. Vysakh Mr. Nirenjan S	Civil	Water Quality Analysis Around AJIET Campus	5000.00

VTU – Innovative Project Grant 2022	Prof. Archana S	Ms. Neha C Naik Ms. Nireeksha G Rai Ms. Pallavi Shetty Ms. Pujari Riya Prem	CSE	Android App For Dairy Farmers	5000.00
VTU – Innovative Project Grant 2022	Prof. Siju V Soman	Mr. RaiNinand Bhaskar Mr. Shetty Chirag Divakar Mr. Shiahab Abdul Rahiman	CSE	sign Language Recognition	5000.00
VTU – Innovative Project Grant 2022	Dr. Vignesh Nayak	Mr. Vignesh R Pai Ms. Deepa A S Mr. Harshith Shetty Mr. Manish K Anchan	MECH	Electricity generation from Hydrodynamic behavior of floating substances in Directional Seas	5000.00
VTU – Innovative Project Grant 2022	Prof. Prakyath	Mr. Shravan K Mr. Pavan Kumar Mr. Sharan C Mr. Shravan P C	MECH	Experimental and Computational Analysis of Co-Centric Tube heat Exchanger with Pin-Fin	5000.00
VTU – Innovative Project Grant 2022	Prof. Ganesh U. G Prof. Pratheeksha N Rai	Mr. Sheatiel Elzer Mr. Sayan Dasmahapatra Ms. Nikitha Rai Ms. Nisha	ECE	Smart Wheel Chair	5000.00
VTU – Innovative Project Grant 2022	Dr. Gnane Swarnadh Satapathi Prof. Sahana K Adyanthaya	Mr. Adik Ashok Shetty Ms. Dhanya V Shetty Ms. Thrusha K Mr. Saroan Krishna Vel S	ECE	Low Cost Prosthetic Arm	5000.00
VTU – Innovative Project Grant 2022	Dr. Nagesh H. R.	Ms. Pratheeksha H Ms. Saamiya Ms. Swapna Ms. Tanya Mendon	ISE	E-Voting System Using Block chain Technology	5000.00
VTU – Innovative Project Grant 2022	Dr. Surehsa D	Ms. Pavithra Ms. Meghashree Ms. Yashaswini Ms. Zubaidha S haima	ISE	Detection and Classification of Brain Tumor with MRI Scan Using Deep Learning	5000.00

Institution has conducted different programs during this year 2021 - 22

- ❑ NSS unit of AJIET in association with the cultural club of AJIET jointly celebrated 75th Independence Day by conducting freedom run, National flag hoisting and cultural program on 15th August 2022.
- ❑ Department of civil engineering organized a farewell party for the 2018-2022 batch of students on 15-07-2022.
- ❑ A two-day second global conference on Recent developments in Computer and communication technologies (GC-RDCT) & Recent advancement in Sustainable material (GC-RASM) was

organized on 28-07-2022 and 28-07-2022. Keynote was Dr. V N Mani, Scientist, High pure electronic Materials, Devices & System Development division. Dr. Dattatraya Narayan Gaonkar, Dept of ECE, NITK, Mohammed Nur Kahirul Hafizi Rohani, Senior Lecturer, University, Malaysia Perlis, Syahrudin Nizam Md Arshad, Senior lecturer, Malaysia Perlis.

- ❑ On July 23rd, 2022, at 11.00 am the Language proficiency club arranged an activity session for students of third, second, and first years to improve their vocabulary, listening, and interpreting abilities.
- ❑ Technical committee of AJIET has organized PROJECT EXPO-2022, a project exhibition for all the students 3rd and final year students of AJIET on 21-06-2022.
- ❑ Technical Committee of AJIET has organized PROJECT EXPO-2022, a project exhibition for all the students 3rd and final year students of AJIET on 21.06.2022.
- ❑ Annual fest of AJIET AAKAR 2022 was organized on the 03rd and 4th of June 2022.
- ❑ Department of Civil Engineering, in association with the Eco club organized a technical talk on 27-05-2022. The resource person was Mrs. Vasumathi Shetty, Niyo innovation.
- ❑ One-day hands-on workshop on ARTIX-7 FPGA Boards was conducted for the students of the Department of ECE AJIET, Mangalore on 09-05-2022. The resource person was Mr. Vardhana M, Senior Verification Engineer, and Qualcomm Bengaluru.
- ❑ The 2nd Graduation day of AJIET was held on April 30th, 2022, in Mothi Mahal convention center Mangaluru.
- ❑ The entrepreneurship development program for the students of A J Institute of Engineering & Technology students was organized from 18th April 2022 to 23rd April 2022 by the ED Cell AJIET.
- ❑ A Technical talk on “Design innovation for a successful career in the field of aeronautics, Space, and defense for Mechanical Engineers was organized by the Mechanical department. The resource person was Mr. Dhanish Abdul Khader.
- ❑ Technical talk on surface treatment using thermal spray coating was organized by the department of Mechanical Engineering on 25-04-2022. The resource person was Dr. Ramesh M R, Associate Professor, NITK Surathkal.
- A Technical talk on Energy Conservation was organized by Mechanical Department on 20-04-2022. The resource person was Mr. V s Bhaskar, IIT Delhi.
- AJIET annual Athletic Meet-2022 was organized by Sports Committee on 22-04-2022.
- Technical committee AJIET has organized Creative modeling for AJIET students on 13-04-2022.

- ❑ Inter-branch Volleyball tournament for men was organized at AJIET ground by the sports committee from 6th April 2022 to 9th April 2022.
- ❑ Inter-branch Throw ball tournament for women was organized at AJIET ground by the sports committee from 5th April 2022 to 9th April 2022.
- ❑ Inter branch Cricket tournament for men was organized at AJIET ground by the sports committee from 5th April 2022 to 9th April 2022.
- ❑ The technical committee of AJIET organized a gaming competition on 06-04-2022.
- ❑ The technical committee of AJIET organized a quiz competition on 07-04-2022 for all students.
- ❑ Technical Committee AJIET has organized College making for AJIET students on 05-04-2022.
- ❑ Industrial visit was organized by the department of information science engineering, to Govt tool room and training center Mangalore campus on 17/03/2022 for 3rd-year students.
- ❑ The cultural and event organizing committee organized Fresher's day performance for all first-year students on 05-03-2022
- ❑ Ms. Mayoore P of 2nd year ISE participated in VTU intercollegiate single zone taekwondo (Women's) section trials organized by Jyothi Institute of Technology Bangalore on 28-02-2022 and selected to represent VTU in all India inter university taekwondo championship 2021-22.
- ❑ Department of civil engineering organized an industrial visit for the students to Dakshina Kannada nirmithi Kendra on 24-02-2022. The resource person of the Kendra was Mr. Rajendra Rao Kalbavi, Project manager, Dakshina Kannada nirmithi Kendra, NITK, Mangalore, and Mr. Navith Kandadka, assistant Engineer, Dakshina Kannada nirmithi Kendra, NITK, Mangalore .
- ❑ Mr. Shravan of final year Mechanical Engineering participated in VTU intercollegiate single zone Best physique Competition organized by Jyothi Institute of Technology Bangalore on 22-02-2022 and secured a gold medal in below 60Kg Category.
- ❑ The inter-college level technical quiz on IT "TCS Tech Bytes" organized by the Department of Information Science and Engineering on 22/02/2022.
- ❑ Department of Mechanical Engineering organized an industrial visit to the Government tool room and Training center on 22-02-2022 for students in 2nd year.
- ❑ Technical hackerrank competition was organized by the department of ISE on 07-02-2022 for second-year students.
- ❑ Technical Committee of AJIET has organized a Collage Competition for all the students of AJIET on "Engineering and Its Applications" on 05-02-2022.

- ❑ Technical Committee of AJIET has organized a Technical Paper presentation Competition for all the students of AJIET on “Real World Artificial Intelligence Applications in various sectors” on 05-02-2022.
- ❑ The IOT and Developers Community club in association with the Department of Computer Science and Engineering organized a technical talk on the topic “Kick-Start to IOT Technologies” on 05-02-2022. The resource person of the talk was Mr. Saurabh Samanta, Senior Research Staff in Bharat Electronics Ltd Bengaluru.
- ❑ Technical committee AJIET conducted a webinar on opportunities for Engineers and expectations from the Industry on 08-02-2022. The resource person of the webinar was Mr. Srinivas A G, Assistant Vice President –HR, The Manipal Group.
- ❑ The technical committee of AJIET organized a quiz competition on 31-01-2022.
- ❑ The Institute of Engineers (India) student chapter of AJIET organized a webinar on 31-01-2022 about “Experiential Learning through Trans disciplinary Approach”. The resource person of the webinar was Dr. Pruthviraj Umesh, Ass. Prof, Department of water resources & Ocean Engg, NITK, Surathkal.
- ❑ Technical-Miniproject Competition was organized by the Department of ISE for third-year students. The topic was Database management and different languages.
- ❑ The department of ISE & Technical committee has organized a Technical talk on the Power Seminar Industrial scope for CSE/ISE Graduates on 29-01-2022. The resource person of the talk was Mr. Tandava Popuri, Software engineer Director at dell Bangalore Urban.
- ❑ IEEE student branch organized a webinar on Google cloud (GCP) on 28-01-2022. The resource person of the webinar was Ms. Navami Kini, Technical solution, Google LLC, Bengaluru.
- ❑ IEEE student branch organized a webinar on the Role of IEEE in engineering student's life on 27-01-2022. The resource person of the webinar was Ms. Ashwini Holla branch councilor, Ms. Naghaleka Ramesh, Software engineer, Gupshup, Mr Abdul Halik M I, Digital Marketing Consultant, Gradskey, Ms.Kshitij Thakur Founder Horizon Tech.
- ❑ The Institute of Engineers student chapter of AJIET in association with the Embedded & Robotics club organized a project exhibition for third-year students on 22-01-2022.
- ❑ The department of Mechanical Engineering conducted Alumni talk on 19-01-2022 for the 4th year Mechanical branch students. The resource person of the talk was Mr. Chirag Poonja.
- ❑ The department of CSE along with the ENIGMA Association Conducted a technical quiz Competition on 17-01-2022. The staff coordinator of the Quiz was Mr. Chanchal Antony, Asst. Prof-CSE and Ms. Nikhila, Asst. Prof-CSE.

- ❑ The Institute of Engineers student chapter of AJIET in association with the Embedded & Robotics club organized a project exhibition for final-year students on 13-01-2022.
- ❑ NSS Unit of our Institution conducted a voter's enrolment drive program on 30th December 2021 at 02.00 pm in our campus.
- ❑ Department of Civil engineering in association with the student association Team Resilience organized a technical talk on "Importance of 3D visualization in Engineering using 3DS MAX AND VRAY" on 16-12-2021. The resource person of the talk was Er. Jackson Jebadurai P, Trainer, CAAD tech Labs training services, Mangalore.
- ❑ Ms. Namrutha Shetty of 2nd year CSE participated In the VTU inter-collegiate single zone swimming competition organized by Jyothi institute of Technology Bengaluru on 15-12-2021. She won five bronze medals in five different events.
- ❑ A visit to Sahyadri College of Engineering & management-Aero club was conducted on 13/12/2021.
- ❑ The Institute of Engineers (IEI) student chapter of AJIET in association with the Embedded & Robotics club organized a workshop on 07-12-2021 about "NODE MCU". The resource person of the workshop was Mr. Mohammed Sadiq, founder & Technical director, Tech Graylogix, Mangalore, and Mr. Syed Ahmed Vaseel, Embedded system engineer, Tech Graylogix, Mangalore.
- ❑ Technical committee of AJIET has organized an Induction Program for newly joined students on 06-12-2021. Different competitions like puzzles, quizzes, and Debates have been organized.
- ❑ The Department of CSE under the banner of the Student association Conducted ENIGMA Cricket League on 04-12-2021. The staff coordinator of the Quiz was Mr. Chanchal Antony, Asst. Prof-CSE
- ❑ A Technical talk on "Opportunities through GATE exam " was organized by the department of Mechanical engineering on 01-12-2021. The resource person of the talk was Mr. Ananth Pai S, Founder -APEX Academy, Managluru.
- ❑ Students of AJIET attended the Women's Volleyball tournament in Mysore on 29-11-2021 organized by MIT, Mysore.
- ❑ A J Institute of Engineering & Technology, Mangaluru conducted Two weeks induction Programme for the First Year B.E Students from 29-11-2021 to 11-12-2021.
- ❑ First-year B.E Orientation day Programme was organized at A.J Institute of Engineering & Technology on 29-11-2021.
- ❑ The department of CSE conducted a branch inauguration ceremony of ENIGMA, the student

association on 22-11-2021. The resource person of the program was Mr. Deepak Raj, Manager-Risk investigating perfect order experience at Amazon development center Bangalore.

- ❑ A Design now workshop on “Autodesk Fusion 360” was organized by the Mechanical department on 18-11-2021. The resource person of the program was Mr. Kranthi & Mr. Rohith, ICT academy, Mangaluru.
- ❑ A Technical talk on “Prerequisites to be a Design Engineer” was organized by the Department of Mechanical Engineering on 18-11-2021. The resource person of the talk was Mr. Santhosh Kumar K R, Manager, Business Support, CADD center Mangalore.
- ❑ The department of ISE conducted the inauguration ceremony of HIEKA the student association on 18-11-2021. the resource person of the program was Mr. Shazad Moved, Director, Mind strack Technologies Pvt. Ltd.
- ❑ Intra Department Volleyball match was organized by the Department of Mechanical Engineering on 17-11-2021.
- ❑ Association of civil engineering students-team resilience for the academic year 2021-22 was inaugurated on 17-11-2021. The resource person of the ceremony was Mrs. V Harinath, Chief engineer, New Mangalore port Trust.
- ❑ The formal inaugural ceremony of the Association of Royal mechanical Students (ARMS) was organized on 10-11-2021. The resource person of the function was Mr. G. S Hegde, Joint General Manager, MCF, Mangalore.
- ❑ The department of ISE conducted a technical talk on Cyber Security Trends Challenges and Solutions on 23-10-2022. The resource person of the talk was Dr. Nagesh H R, Vice Principal and HOD Dept of ISE, AJIET.
- ❑ The Automotive club of AJIET in Association with the technical club organized a technical talk on “Building an Automotive /club” on 23-10-2021. . The resource person of the talk was Mr. Mohammed Sahil, Data Intelligence Analyst at Sales force, Bangalore.
- ❑ The department of Electronics and Communication Engineering in association with EVSA organized a talk on “Application of Engineering in Medical Field” on 18-10-2021. The resource person of the talk was Dr. Veluri Sudhakar, a Member of the Department of Science & Technology Review committee for Bio medical devices.
- ❑ Department of ISE in association with HIEKA –ISE student association organized a Technical Quiz on 13-10-2021.
- ❑ Ayudha Pooja was celebrated in Our College on 14-10-2021.
- ❑ Department of ISE in association with HIEKA –ISE student association organized a technical

talk on “Placement and training” on 09-10-2021. The resource person of the talk was Prof.Vivek Ranjan Bhandary, Placement head, AJIET, Mangalore.

- ❑ Awareness talk on “Code Unnati Entrepreneurship Development program” was conducted for the students of 3rd year and final year on 09-10-2021. The resource person of the program was Mr. Ashwin Kumar, Campus relations in charge of Seventh Sense Talent Solutions.
- ❑ NSS unit of our institution conducted the second dose vaccination drive on 25-09-2021 and 08-10-2021 at a college campus.
- ❑ The IIC /NISP at AJIET organized an event on “Restructuring of Institution based on NEP” to motivate and create awareness on the NEP-2020 and the process of setting up the incubation center in the Institute on 28-09-2021. The resource person of the talk was Prof, Iqbal Ahmed, Consultant Director, Training, JV Global.
- ❑ The Department of civil engineering in association with AJIET chapters Institute of Engineers India(IEI) and Indian Society for Technical Education (ISTE) has organized a National level Inter college Project Competition AJIET-TECH EXPO -2021 through virtual mode on 15-09-2021 on the occasion of Engineers day. The resource person was Dr. Suman Kundapur HOD- Civil dept AJIET.
- ❑ The department of Civil Engineering in association with the student association TEAM RESILIENCE, conducted a webinar on “STRESS MANAGEMENT “ for students and faculties on 04-09-2021. The resource person of the webinar was Dr. Malini Desai, MD Homeopathy, Associate Professor, Department of OBG Mahalaxmi Homeopathic College, Satara.
- ❑ Department of Civil Engineering organized a two-week skill development program for the final year students from 30-08-2021 to 12-09-2021.
- ❑ NSS unit of our intuition conducted the program Vanamahotsava on 18-08-2021 at our campus.
- ❑ The Cultural and Event organizing committee in association with NSS conducted an E-Elocution for the students of AJIET on the eve of the 75th Independence Day celebration on 15-08.2021.The topic given was “Youth Contribution for future India”. The judges were Dr. Kishore Shetty Assoc. Prof-Chem and Ms. Sheela Montherio, Asst. Prof-English.
- ❑ Civil engineering department 12-08-2021 organized a Webinar on sustainable Advances and requirements of research in the Era of the 21st Century. The resource person of the webinar was Dr. Bibhuti Bhushan Das, Associate Professor, Department of Civil Engineering, NITK, Surathkal, and Mangalore.
- ❑ Association of Civil engineering students Team Resilience for the academic year was inaugurated on 07-08-2021. The resource person was Er. M A Joseph, Head of technical services Ultra tech cement ltd, Kerala.

- ❑ Civil Engineering and Mechanical Engineering Department organized a Webinar on “Computer Aided Engineering” on 19-07-2021. The resource person of the webinar was Mr. Apoorv Bapat, Assistant Manager, Skill Development founder, and CEO, of Election.
- ❑ Aeroclub organized a Webinar on “Introduction to robotics” and its Applications on 24-07-2021. The resource person of the webinar was Dr .Soumya S, Assistant Professor, School of Robotics, Defence institute of advanced technology, Pune.

Results

Consolidated statement of results of VIII sem BE Aug/Sept 2021 examinations				
BRANCH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED	NO. OF STUDENTS FAILED	PERCENTAGE (%)
COMPUTER SCIENCE & ENGINEERING	67	67	0	100%
CIVIL ENGINEERING	31	27	4	87.1%
ELECTRONICS & COMMUNICATION ENGINEERING	46	44	2	96%
INFORMATION SCIENCE & ENGINEERING	57	57	0	100%
MECHANICAL ENGINEERING	48	48	0	100%
OVERALL PERCENTAGE	249	180	6	98%

Library: A well-equipped computerized library, which has more than 12600 volumes of books and subscribes for national and international journals. It also a subscriber of various magazines and newspapers, which cater to the needs of the students and staff members and keeps them update and well informed. The library is also equipped with digital library facilities with a subscription to large number of e-journals and e-books through VTU Consortium and offers online services.

All Teaching Staff Members



All Non Teaching Staff Members



All Staff Members



Office and Library Staff Members



Congratulations!

Training and Placement Department

Training and Placement

The Training & Placement Department is the one which initiates and conducts various placement related activities like training, placement drives etc. It has a central placement team with staff representatives from every technical department overseeing its activities. The student coordinators nominated act as an interface between the student group and staff placement coordinators.

Vision

To facilitate students achieve their career objective through sustained excellence

Mission

- To act as an interface between the institute and the industry thus paving way for right career opportunities being made available to our students.
- To increase employability amongst our students through effective training being provided to them.

Goals & Objectives

Training

The Training & Placement Cell is committed to provide all possible assistance to its graduates in their efforts to find employment. This commitment is demonstrated by the existence of a full-time Placement Office in-charge. The Training & Placement service operates year round to facilitate contacts between companies & graduates. Staff members are available to respond to student's questions and concerns of all kinds. This may include advice on placement Procedures: help to prepare application, resumes and mock interviews. The aim is to ensure that students have the information and skills necessary for an effective job search.

All counseling is based on an envisioned view of future educational and industrial trends. Additionally, the Training & Placement Cell helps the students to improve their Communication Skills and Presentation Skills.

Our Objectives are

- To place students in Prospective IT & Core companies.
- To give sufficient practical exposures to create action plans and execute the solutions.
- To help the students to develop a passion to win and a global mind-set.
- To produce the most competitive technocrats to fit in all scenarios.

Training Placement Activities:

Training and Placement department undertakes the following activities to achieve the desired results and set targets:

- ❖ It involves the overall development of the student- personal & professional to leverage his/her strengths and manage weaknesses.
- ❖ Exposure to process flow, departmental management systems and functional ities followed by Expert Interaction for queries, clarifications and insight.
- ❖ Management Development Programs are primarily focussed towards employee development where our industry experienced faculty members conduct Training Need Analysis followed by customized training program for the employees. It aims to enhance the skill-set and performance of the group to deliver improved results to organizational productivity.
- ❖ Helping the students to choose the right professional career option to facilitate 100% throughput in the industry/corporate they choose to work.
- ❖ To provide exposure to real time practical working environment, challenge capabilities and apply learning to achieve organizational goal.
- ❖ MOUs with corporate houses leading to student exposure and internship opportunities
- ❖ Institute Industry Interface initiatives to bridge gap between industry and academia.
- ❖ Meeting end to end training on communication skills, Personality Development, Leadership, management games, stress management, time management, and Employability skills enhancement to Emotional Intelligence etc.

Placement Committee



Sitting L R: Mr. Saketh Shetty, Mr. Nithin Shet, Mr. Siju Mohan, Mr. Mohan, Dr. Shantharama Rai C (Principal), Mr. Vivek Ranjan Bhandary, Mr. Prasad B G, Mrs. Shilpa Shetty, Mrs. Pratheksha Rai N.

Standing L R: Vineeth, Dhanvin, Chandan, Snehal, Harshith, Prajna, Vishaka, Loran, Aishwarya, Rakshith, Dhanush, Harshith, Deeksha, Rishika.

Our Infrastructure



Seminar Hall



Interview Cabins



GD Rooms



Online Test Labs

Placement Drives



Infosys Drive



IBM Drive



Infosys Drive



IBM Drive



Juego Studio Drive



[24]7 Drive



Navigo Drive



I Wave Systems Drive

Here! is the list of students who secured placement in reputed companies/ organisations.

STUDENT NAME	BRANCH	COMPANY NAME
Sunaina Gharti	CV	Jaro Education Trust
Deeksha	CV	TCS
Kiran .T	CV	Reigate Builders Pvt. Ltd
Nikesh Kumar Siwan	CV	No Broker
A Prem Kumar	CV	India Meteorological Dept.
Suraj S Shetty	CV	Bimal Infra Constructions
Anita Ramakrishna Bhat	CSE	Sasken
Amshitha R	CSE	iWave Systems Technologies Pvt. Ltd., Computacenter, Qspider
Neha C naik	CSE	iWave Systems Technologies Pvt. Ltd., Capgemini, Infosys
Rifthashia	CSE	Mangalore Infotech Solutions(UniCourt India), Juego Studios
Arpitha M J	CSE	SAP
KarishmaShetty	CSE	Wipro, Diya Systems, Capgemini
Unnati K	CSE	Tata Consultancy Services, Wipro
Lavita Lobo	CSE	Wipro, TCS
Sabhyatha M suvarna	CSE	Jaro Education, Diya Systems
Prathiksha Shetty	CSE	MResult Services Pvt. Ltd.
Lavanya Pushpakar	CSE	CMRIT Solutions Pvt. Ltd., Wipro, Infosys
Snehal	CSE	Robosoft Technologies Pvt. Ltd., Novigo Solutions
Rai Ninad Bhaskar	CSE	Novigo Solutions Pvt. Ltd.
Manu Kashyap	CSE	Novigo Solutions Pvt. Ltd., The Math Company
Akshaya Bhalikha d s	CSE	Maveric Systems Ltd.
Bharathraj Shetty	CSE	Quick Metrix, Tata Eleksi
Monisha D	CSE	Hexaware Technologies, Juego Studios Pvt. Ltd., Capgemini, Infosys, Tricon Infotech
Keerthana R	CSE	Tata Consultancy Services
Nidhi K	CSE	Wipro
Deeksha D Shenoy	CSE	Jaro Education, Infosys, 7EDGE
Chirag D Shetty	CSE	Tata Consultancy Services, Novigo Solutions
Ashwika V Shetty	CSE	Tata Consultancy Services
Deeksha S	CSE	Jaro Education, Unschool, Capgemini
Shraddha Shetty	CSE	Sasken, iWave Systems Technologies Pvt. Ltd., Infosys
Ananya R Shetty	CSE	I Wave Systems Technologies Pvt. Ltd., Wipro
Chandana IK	CSE	I Wave Systems Technologies Pvt.Ltd., Wipro, Robosoft

STUDENT NAME	BRANCH	COMPANY NAME
Vishakha Kotecha	CSE	iWave Systems Technologies Pvt. Ltd., TCS, Wipro
Anusha D'souza	CSE	Tata Consultancy Services
Nireeksha Rai G	CSE	Green Print Technologies
Subhakar	CSE	Wipro, Birlssoft, Knowledge Lens
Insha Naz	CSE	Novigo Solutions, Tata Consultancy Services
Bhavna Sharma	CSE	Novigo Solutions, Robosoft Technologies
Ashika	CSE	Jaro Education, Skolar
Pujari Riya Prem	CSE	Jaro Education, Capgemini, Infosys
Karthikeya Nerolu	CSE	Green Print Technologies
Pallavi Shetty	CSE	Sasken Technologies, Novigo Solutions
Nikita Rama Marathi	CSE	Maveric Systems Pvt. Ltd.
Sanjana Shetty	CSE	Capgemini, Cognitive Cloud
Sarthak	CSE	Capgemini
Shihab Abdul Rahiman	CSE	Capgemini
Chandana Ballalaj. R	CSE	Skolar
K V Bhoomika	CSE	Skolar
Meghana Shetty	CSE	Skolar, Infosys
Saachya S Shetty	CSE	Skolar
Ranjith N	CSE	Skolar
Nirmala N B	CSE	Cyber Sapiens United LLP
Karthikeya Kumar	CSE	Infosys
Akshay D T	CSE	Infosys, Accord Software & Systems
Ramyashree	CSE	Verzeo Edutech Pvt. Ltd.
S Nithin	CSE	Infosys
Abhilash M	ECE	VERZEO Edutech Pvt. Ltd
Adeesh Shetty	ECE	Juego Studios/ Diya systems
Adik Ashok Shetty	ECE	Electrical Future Contracting Est.
Akshara Ashok Rai	ECE	HCL Technologies Ltd.
Amal Krishnana	ECE	Q-Spider
Anush	ECE	Accord Software
Deeksha G	ECE	Sasken Technologies
Deekshith Rai	ECE	Wipro
Dhanush	ECE	Tata Consultancy Services Ltd./ Cerium system / I Wave system
Dhanush Amin	ECE	Diya System
Dhanya V Shetty	ECE	HCL Technologies Ltd./Accord Software & system Pvt. Ltd
Harshith	ECE	iWave Systems Technologies Pvt. Ltd.

STUDENT NAME	BRANCH	COMPANY NAME
Hrithik R D	ECE	Sasken Technologies
Hrithwik R Krishnan	ECE	Novigo Solutions/ Sasken/ Tata Consultancy Service Ltd.
K Pallavi	ECE	Sasken Technologies
Ashwin	MECE	Diya Systems
Manoj M S	ECE	Accord Software & System Private Limited
Manvith K	ECE	Sasken Technologies
Mohith Sanil	ECE	Wipro/ Insemi Technology/ Robert Bosch
Mrinal Lobo	ECE	Skolar
Naik Akshit Suresh	ECE	Sasken Technologies/ Actalent/ Tata Consultancy Service Ltd
Nihal C	ECE	Wipro
Nikitha Rai	ECE	Jaro Education
Nisha	ECE	Infosys
Nithesh Kumar	ECE	Skolar / Diya System
Pooja S P	ECE	Insemi Technology /Sasken
Prajwal Devadiga	ECE	Q-Spider
Pratheek Rai	ECE	Infosys / Capgemini
Prathiksha.P	ECE	Skolar / Diya System
Rolan Mario Lobo	ECE	SkolarS
Saroan Krishna Vel	ECE	Infosys/ Jeugo studios
Sayan Dasmaha patra	ECE	Skolar/ Q-spiders
Shealtiel Elizer	ECE	Tata Consultancy Services Ltd./Actalent
Shivani Shetty	ECE	Insemi Technology / Capgemini
Sona	ECE	Q-Spider / Diya System
Sushanth K H	ECE	Skolar /Diya System
Thrusha K	ECE	Signoff Semiconductor Pvt. Ltd
Vaishnavi N V	ECE	Insemi Technology
Vignesh Poonja K	ECE	Capgemini
Yashashwini H Naik	ECE	Jaro Education / Infosys
Vineeth Krishna K	ECE	Tata Consultancy Services Ltd./ Novigo / Actalent/ Cognitive Clouds
Akila	ECE	Insemi Technology / Centum
Shravya	ECE	Centum
Bhoomi R Suvarna	ECE	Capgemini / Infosys
Ambika.K	ECE	Skolar/ Signoff Semiconductor Pvt. Ltd
Pavan Kumar	ECE	Skolar / Accord Software
Snehanidhi	ECE	Jaro Education
Chandan H Gunaga	ISE	Robosoft Technologies

STUDENT NAME	BRANCH	COMPANY NAME
Loran Rhia D'souza	ISE	Robosoft Technologies/Novigo Solutions
Sudish	ISE	Juego Studios
Harshith Kumar S	ISE	Sasken Technologies/TCS/7 Edge
Pavithra	ISE	Sasken Technologies
Payal B U	ISE	Sasken Technologies
Reshma	ISE	Sasken Technologies/ Knowlde Lens
Rohith S	ISE	Sasken Technologies
Amisha Shetty	ISE	iWave Systems
Dwithi	ISE	iWave Systems
Mohammed Ainan K P	ISE	iWave Systems/WiproTCS
Prajna H Rao	ISE	iWave Systems/ TCS
Swapna	ISE	TCS
Rakshith Ujwal	ISE	Spurtree
Megha Jose	ISE	Sign Desk
Akhil Kumar K S	ISE	Wipro
Shreya	ISE	JARO Education/Q Spider
Pavithra Karanth	ISE	JARO Education/Code craft
Navitha Hegde	ISE	CRMIT
Sharanya	ISE	Kowledge Lens
Nishitha	ISE	Knowledge Lens
Rakshitha	ISE	BrightChamps/QuickMetrix
Yashashwini	ISE	Cognitive Cloud
Soniya Y Puthran	ISE	Quickmetrix/ Capgemini
Pratheeksha R Shetty	ISE	Quickmetrix
Nikitha Shetty	ISE	Quickmetrix
Abhijith PP	ISE	Skolar
Shreedevi	ISE	Skolar/ Capgemini/ Qspider
Amritha N	ISE	Skolar
Chaithrashree	ISE	Skolar/Qspiders/ Arkieva
Pratheeksha H	ISE	Skolar
Swathi KS	ISE	Skolar
A Haritha Saraswathi	ISE	Skolar
Mohammed Nihal C	ISE	IOTRL Connect pvt Ltd
Krithi T	ISE	Quick metrix
Anujith Shetty	ISE	Celstream
Sagar Shetty	ISE	Q Spiders/ Diya System
Aishwarya	ISE	Q Spiders/ Mangalore info Tec
Nayana S K	ISE	7EDGE

STUDENT NAME	BRANCH	COMPANY NAME
Prathap	ISE	PrimeSophic Technologies
Nehanaik	ISE	Skolar
Devadiga ramya mohan	ISE	Palle Technologies/ Niveus Solutions Pvt. Ltd.
AnwithaKiran	ISE	7 EDGE
Vighnesh r pai	MECH	Jaro Education Pvt.Ltd
Yojith k	MECH	Jaro Education Pvt.Ltd
Abhishek sasidharan	MECH	Jaro Education Pvt.Ltd
Harshith Shetty	MECH	Actalent-Allegis Services (India) Pvt. Ltd
Shravan k	MECH	Actalent-Allegis Services (India) Pvt. Ltd
Saurav c padmashali	MECH	Skolar EDTECH Pvt.Ltd
Shreejesh k	MECH	Skolar EDTECH Pvt.Ltd
Manish k	MECH	Skolar EDTECH Pvt.Ltd
Leston lobo	MECH	Skolar EDTECH Pvt.Ltd
Shanthanusudhas	MECH	Skolar EDTECH Pvt.Ltd
Shravan pc	MECH	Skolar EDTECH Pvt.Ltd
Vasanth gowda	MECH	AUTOLIV
Sharan chandrasah	MECH	AUTOLIV
Adithajith kumar	MECH	AUTOLIV
Rakshith acharya	MECH	MAKINO INDIA PVT LTD
Pratheek bv	MECH	PLANT TECH
Jayaprakash b n	MECH	PLANT TECH
Shrujan j rai	MECH	PLANT TECH
Shravanraj kambali	MECH	CAUVERY FORD
Ajayraj M J	MECH	Actalent
Ashish H	MECH	Volvo Group India pvt.Ltd
DharmikAttavar	MECH	Allegis Service Pvt. Ltd
Pavan Kumar	MECH	PLANT TECH
Mohammed Fayaz	MECH	Expertise Contracting Company
VishwajeethArun Nair	MECH	Autoliv

Thanking our Recruitment Partners





Civil Engineering is one of the most sought after options among students in India. Civil Engineering is one of the oldest Engineering professions. Role of Civil Engineer is vital in numerous fields like planning, designing, and overseeing construction of buildings, structures, and facilities, such as roads, railroads, airports, bridges, harbours, dams, irrigation, pipelines, power plants, water and sewage systems, and waste disposal units etc. Department of Civil Engineering was established in the year 2016 with the inception of AJIET, Mangaluru. The Department is offering under graduate courses (B.E) in Civil Engineering with an intake of 60 and Affiliated to VTU Belagavi. Department has got an experienced and highly dedicated faculty members. Nowadays a tremendous increase in demand for resources and acute shortage of the same is like a double edged

sword. Codes and construction practices are emphasizing durability to cope with the situation. Hence UG curriculum strikes a balance between Engineering fundamentals and applications and thereby, preparing graduates for both research and professional practice in the Civil Engineering disciplines. A career after Civil Engineering is highly rewarding. Government job opportunities are many for the Civil Engineers. Specialization (Masters) in any fields of Civil Engineering has got a wide scope in National and International level. Scope of Civil Engineers recruitment at reputed companies is very high. Also as an entrepreneur young Civil Engineers can design and build the safe, stable and economical structures. This ultimately helps in the national and economic development of the country.

Vision

To produce competent and professional civil engineers with academic excellence and ethics to meet societal challenges at global level.

Mission

M1: To impart students with strong theoretical and practical skills through the state-of-the-art concepts and fundamentals of various civil engineering subjects.

M2: To prepare the students to be competent and skilled enough to take up the challenges in research to meet the ever-changing needs of society and to continue learning.

M3: To promote active learning, critical thinking, industry - institute collaborative activities and contribute to social development with ethical conduct.

M4: To nurture innovative ideas and develop entrepreneurial attitude among the engineering professionals.

Department Activities:

BRANCH ASSOCIATION -TEAM RESILIENCE

Association of Civil Engineering students – Team Resilience for the academic year 2020- 2021 was inaugurated on 17.11.2021, Wednesday by Mr. A V Harinath, Chief Engineer, New Mangalore Port Trust at seminar hall 1. The ceremony continued with Prayer by Ms. Tanishka, Aishwarya and Anjali Amin of 5th sem, Dr.Suman Kundapura, Head of Civil Engineering Department welcomed the gathering. Ms. DeekshaAnand, association coordinator welcomed the new office Barres of Team Resilience followed by the Oath taking ceremony. The president of student association Mr. SHASHANK DEVADIGA had given a brief report on the activities conducted by the association in the year 2020-21.



BRANCH ASSOCIATION -TEAM RESILIENCE

Association of Civil Engineering students – Team Resilience for the academic year 2022- 2023 was inaugurated on 16.12.2022, Friday day by Mr. Prajwal V Kumar, Founder and CEO Mangalore Robautronics Pvt Ltd Surathkal Pvt.Ltd. at 2:00 PM in Seminar hall-1.



Department Activities:

INDUSTRIAL VISIT

A Industrial visit to "DAKSHINA KANNADA NIRMITHI KENDRA" was organized for the Civil Engineering students of third semester on 24-2-2022 who have just entered their respective branches. A half day visit to the Nirmithi Kendra was informative and productive.

During the visit, the Bio-Digester for Toilet Unit was explained to the students by **Mr. Navith**, Engineer, Dakshina Kannada Nirmithi Kendra. The importance of Bio-Digester, its applications, installation methods in existing buildings and new buildings was explained to the students.



Department Laboratory Photos



STUDENT ACHIEVEMENTS

- Mr. Shobith B, student of 8th sem, Department of Civil Engineering had given his idea to provide pre-plastered concrete blocks using fly ash that can reduce the amount of cement and construction material used. The block is specially designed and gives a fine finish without any mortar filling or plastering. And for his idea he won “ Youth Innovation challenge” felicitated with seed funding to develop his idea under Project Code Unnati Karnataka of **sum rupees one lakh**.
- Siddarth J Nair student of 4th year has won 1st place in Technical Paper Presentation held at MITE Moodabidre on 16th April 2022
- Suraj S Shetty student of 4th year has won 1st place in Technical Paper Presentation held at MITE Moodabidre on 16th April 2022
- Kshawara RajShetty student of 3rd year has won 1st place in Eastern Dance Presentation held at MITE Moodabidre on 16th April 2022
- Vaishnavi D Raostudent of 3rd year has won 1st place in Eastern Dance Presentation held at MITE Moodabidre on 16th April 2022
- Aishwarya P student of 3rd year has won 1st place in Nrutya held at SJEC Mangalore on 18 – 19 May 2022
- Kshawara Raj student of 3rd year has won 1st place in Nrutya held at SJEC Mangalore on 18 – 19 May 2022
- Vaishnavi D Rao student of 3rd year has won 1st place in Nrutya held at SJEC Mangalore on 18 – 19 May 2022
- Salwin Sabustudent of 4th year has won 2nd place in Paper presentation held at SDIT Mangalore on 5th June 2022
- Salwin Sabustudent of 4th year has won 2nd place in Paper presentation held at SDIT Mangalore on 5th June 2022
- Shobith B student of 4th year has won 1st place in Bridge Design held at SDIT Mangalore on 5th June 2022
- Salwin Sabustudent of 4th year has won 1st place in Bridge Design held at SDIT Mangalore on 5th June 2022
- Salwin Sabustudent of 4th year has won 1st place in AutoCAD held at SDIT Mangalore on 5th June 2022
- Shobith B student of 4th year has won 2nd place in AutoCAD held at SDIT Mangalore on 5th June 2022
- Shobith B student of 4th year has won 1st place in Paper presentation held at SUCET Mukka on 7th June 2022
- Suraj S Shetty student of 4th year has won 1st place in Paper presentation held at SUCET Mukka on 7th June 2022
- Kshawara Raj student of 3rd year has won 1st place in Group Dance held at SUCET Mukka on 8th

June 2022

- Vaishnavi D Rao student of 3rd year has won 1st place in Group Dance held at SUCET Mukka on 8th June 2022
- Kshawara Raj student of 3rd year has won 1st place in Solo Dance held at SUCET Mukka on 8th June 2022
- Deeksha student of 4th year has won best paper award in International Conference on Engineering Innovations Jain Institute of technology Davangere on 3rd June 2022
- Sridevi R student of 4th year has won best paper award in International Conference on Engineering Innovations Jain Institute of technology Davangere on 3rd June 2022
- Prajna student of 4th year has won best paper award in International Conference on Engineering Innovations Jain Institute of technology Davangere on 3rd June 2022
- Shashank Devadiga 4th year has Participated VTU's 23rd Athletic Meet SJC Institute of Technology on 27th to 30th June 2022
- Vijayanand student of 3rd year has won 1st place in Solo bike race held at Srinivas Institute of Technology on 14th June 2022

Faculty achievements

- Dr. Sangeetha DM received a Grant worth ₹2,58,100 for the project of Computational Models for the static analysis of steel composite plate girder from VGST for tAY 2021-22
- Mr. Nitesh received a Grant worth ₹50,000 "Evaluation of metal contamination risk of ground and surface water near municipal solid waste dumping site area Mangalore: overview of pollution indices with risk assessment and application of low-cost water filter" From KSCST FPP for AY 2021-22
- Dr. Sangeetha DM Published a journal paper "Strength Evaluation of a Steel Plate Girder." International Journal of Engineering Research in Current Trends (IJERCT)
- Dr. Sangeetha DM Published a Conference proceeding "Influence of Treated Coir Fiber on Durability Properties of Black Cotton Soil" Proc. of Global Conference on Recent Advances in Sustainable Materials GC-RASM 2021-22, July 28- 29, AJIET, Mangalore.
- Mr. Nitesh Awarded best paper award for "Evaluation of Physicochemical Characteristics and Metal Contamination Risk in Nethravathi and Gurupura River Basin: Overview Of Pollution Indices With Risk Assessment" International Conference On Engineering Innovation (ICEI 2022) on 3rd June 2022 at Jain Institute of Technology Davanagere.
- Dr. Amarnath Shetty Presented Paper Entitled a Probabilistic Approach To Estimating Hardened Properties Of Self-Compacting Concrete In International Conference On Recent Trends In Science And Technology ICRTST-2022(Scopus)

WEBINARS

INDUSTRIAL VISIT

The Department of Civil Engineering in association with “Team Resilience” organized webinar on Steel detailing using Tekla Structure on 17th July 2021 by Er. Kumar, Structural Designer, Team Techkindreds.

The objective of the talk was to introduce the students with the basics of steel detailing and its importance in their professional career including conceptual design to actual 3D detailing. 50 students have attended the webinar.



The Department of Civil Engineering had conducted a Talk on “Webinar on sustainable Advances and requirements of Research in the Era of 21st Century” on 12th August 2021 by Dr. Bibhuti Bhusan Das.

The main objective of talk was to educate students on sustainable materials.



The Department of Civil Engineering in association with student association “TEAM RESILIENCE” had conducted Webinar on “**STRESS MANAGEMENT**” for students and faculties on 4th September, 2021 by Dr. Malini Desai, MD Homeopathy, Associate Professor, Department of OBG Mahalaxmi Homeopathic College, Satara.

The main objective of talk is to understand the nature of stress and its impact on health and behaviour which was attended by 32 participants.



TECHNICAL TALK

Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized a technical talk on INNER VISSION OF NEW MANGALORE PORT TRUST on 17th November 2021 in Seminar Hall 1. The session was very lively and the speaker had explained neatly about the history and the infrastructure of Mangalore Bunder which is now named as NEW MANGALORE PORT. He had also explained the transportation links, types of CARGO, and the commodities exported and imported through port.



Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized a technical talk on importance of 3D visualization in Engineering using 3DS MAX AND VRAY. The session was very lively and the speaker had explained neatly about the advantages of the software's what Civil Engineers, Mechanical Engineering's can use in this modern era. The software's what were discussed in the talk are RIVET ARCHITECHTURE, ETABS, PRIMEVERA, LUMINOS, 3D MAX



A Technical Talk on **“Opportunities through GATE Exam”** by **Mr. Ananth Pai S, Founder-APEX Academy, Mangalore** was organized on 01-12-2021 in Seminar Hall-1.

The session began by welcoming the resource person by Mr. Ashish 4th Year Student and introducing the resource person by Mr. Shanthanu Suhas 4th Year Student to the audience. Students from 2nd, 3rd and final year students of

A J INSTITUTE OF ENGINEERING AND TECHNOLOGY MANGALURU
 DEPARTMENT OF MECHANICAL ENGINEERING &
 DEPARTMENT OF CIVIL ENGINEERING
 ORGANIZES
 TECHNICAL TALK ON
OPPORTUNITY THROUGH GATE EXAM

HIGHLIGHTS

- Career Opportunities
- Public Sector Jobs
- IES Exam
- Internship

01/12/2021
WEDNESDAY
TIME: 2.00 PM

Seminar - 1

Dr. Ananth Pai S
 Founder, APEX

Coordinators:
 Mr. Vittal Dhanoo
 Mr. Karthik A C

EDS:
 Dr. Rajesh Rao P
 Dr. Suman Sridharan

Principal:
 Dr. Shanbharam Rao C

Mechanical and Civil Engineering witnessed the event.

Mr. Ananth Pai S covered the following topics by interacting the students: -

- What are the opportunities through the GATE exam?
- Will it be useful to just clear GATE?
- What material must we follow?
- Will GATE only for toppers?
- Will GATE preparation help me in campus selection?
- How many months of preparation is needed?

Department of Civil Engineering, in association with Eco club had organized technical talk on 26 May 2022 at seminar 1 ,Vasumathi Shetty, Strategy officer at Niyo Innovation and skill Mangalore took over the session.

The primary objective of this technical talk is about water management and its skill, how to save the water and how to manage the water for future generation



Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized technical talk on Importance of Gate and its Career Opportunities for all Civil Engineering students of AJIET at B block.

The speaker Mr. Akahay Naik, **Business development Manager, PrepLadder** has explained, What are the opportunities through the GATE exam, Will it be useful to just clear GATE, What material must we follow, Will GATE preparation help me in campus selection, How many months of preparation is needed? In total 72 students had actively participated in the event.



TWO DAYS WORKSHOP ON 3DS MAX

Department of Civil Engineering, in association with student association TEAM RESILIENCE had organized two days workshop on 3DS MAX for final year students on 21st and 22nd May 2022 at A block 3rd floor CAAD Lab. Er. Wiltan Arul Fernandes and Ms. Dhanyashree, Design Engineers from Dream zone Mangalore took over the session.

The primary objective of this course is to teach students the essentials of working in 3D using an array of features and tools. This course teaches new users the basics of creating, embellishing, and animating 3D scenes. After completing this course, student should be able to: Model objects using a variety of techniques, Design and apply materials, Adjust basic lighting, Animate simple objects, Build and animate simple, effective environments



TECHNICAL TALK

Department of civil Engineering in association with Association of Consulting Civil Engineers (INDIA) and The Ramco Cement Limited and ISTE had conducted **TECHNO WEEK-2022-TECHNICAL TALK ON CORROSION OF REINFORCED CONCRETE**. The session was lively and the speaker had explained neatly about Corrosion that occurs when the protective layer in concrete steel reinforcement is destroyed. Steel in concrete is usually protected against corrosion by the high pH of the surrounding portland-cement paste. Er. Suraj, Er. Ajith, Er. Subramanya from ACCE and Ramco cement Limited were the part of the event. Dr. Suman K, HOD department of Civil Engineering had addressed the gathering and motivated students through her words. In total 65 participants took part in the event and the event was grand success



Department of civil Engineering in association with Association of Consulting Civil Engineers (INDIA) and The Ramco Cement Limited and ISTE had conducted **TECHNO WEEK-2022- NEW AGE BUILDING BLOCKS**. The session was lively and the speaker had explained what are the new technologies used in building construction, the use of new age building blocks.

The members of association of consulting civil Engineers and the Ramco Cement Limited were the part of the event. Dr. Suman K, HOD department of Civil Engineering had addressed the gathering and motivated students through her words. In total 65 participants took part in the event and the event was grand success.



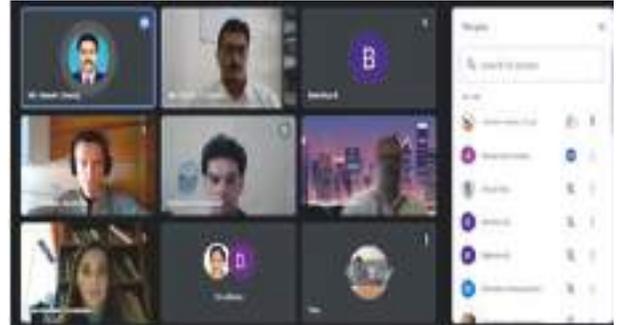
THREE DAYS WORKSHOP ON RIVET ARCHITECTURE

The department of Civil Engineering in association with Department association TEAM RESILIANCE had conducted Workshop on” RIVET ARCHITECTURE” for Second year Civil Engineering Students on 11th, 12th, 13th of August 2022 at A. J Institute of Engineering and Technology, Mangaluru. Workshop started at 9.30 a.m. in CAD Lab, 1st floor B-Block. The main objective of this training is to describe building information modeling methodology and its benefit, Use of different parts of the Revit Architecture, user interface and work with different types of architectural elements and families. **Ms. Jahnvi C.S**, Centre Head, Digi CADD Institute of Drafting and Designig, Mangalore was the Resource person and trainer for the Workshop. Mr. Vinod T D'Souza, Head of the Department of Civil Engineering welcomed the Trainer and the gathering. Dr. Suman Kundapura had addressed and briefed about the importance of such kind of workshop conducted for the students



AJIET SYMPOSIUM-2022

Department of civil Engineering in association with RUSSIAN State Hydrometeorological University has organised an online event on 30-9-2022 at 12:30 PM, 1st AJIET-SYMPOSIUM-2022 (Knowledge Exchange Event) in association with AJIET Students Chapter Indian Society of Technical Education (ISTE) and Institute of Engineers India (IEI) through google meet platform (<https://bit.ly/3sekr16>). Symposiums enhance the technical knowledge of students and provide them a platform to exhibit their talents. It help students to identify and understand the various aspects of their domain which provides opportunities for them to develop their versatility and charisma in the divergent facet of their growth. In total 10 resource persons presented their research papers and 30 participants took part in the event.



FDP attended

Club Activity

The Department of Civil Engineering in association with ECO-CLUB, had conducted Talk on “**Awareness of Covid-19 Second Wave**” on 07 may 2021.



FAREWELL-2021

Department of Civil Engineering AJIET had organized farewell party for 2017-2021 batch students on 30-4-2022 at B Block Room Number 313.



FAREWELL-2022

Department of Civil Engineering AJIET had organized farewell party for 2018-2022 batch students on 15-7-2022 at A Block seminar hall 1.



Mr. Shobith B, student of 8th sem, Department of Civil Engineering had given his idea to provide pre-plastered concrete blocks using fly ash that can reduce the amount of cement and construction material used. The block is specially designed and gives a fine finish without any mortar filling or plastering. And for his idea he won “ Youth Innovation challenge” felicitated with seed funding to develop his idea under Project Code Unnati Karnataka of sum rupees one lakh



ACADEMIC TOPPERS



Ms. ANANYA KUDYADI
of 7TH sem scored 8.63 SGPA in university exams



Ms. SHRIRAKSHAN CHITRAPUR
of 5TH sem scored 8.5 SGPA in university exams



Ms. DEEKSHA
of 8TH sem scored 9.50 SGPA in university exams



MS. ANANYA KUDYADI
of 8TH sem scored 9.50 SGPA in university exams

GRADUATION DAY OF AJIET (BATCH 2017-2021)

Second graduation day of AJIET for the batch 2017-2021 was held on 30th April 2022 at Mothi Mahal Convention hall, Mangalore. Mr. Angara S, Minister of Fisheries, Ports and Inland Transport Department of Karnataka was the chief guest, Mr. Sreenivasa Ramanujan was the guest of honour for the program, presided by Dr. A J SHETTY, President of Laxmi Memorial Educational Trust Mangalore. All the graduates were honoured with certificates and Medals.



Faculty and Staff



Fourth Year Students (2021-22)



Students Association Team RESILIENCE





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Computer Science and Engineering (CSE) department was started in the year 2016 to offer 4 years under graduation (BE) in computer science. The CSE course has a total annual intake of 60 students and had the maximum demand for the student admission since its inception in 2016. The department of CSE was started following the exact norms & regulations of AICTE & VTU and has qualified faculty members having excellent research credits in various research domains of computer science.

The department is headed by Dr. Antony P J, three faculty members are already on the virtue of completing their PhD, and other faculty members have initiated their research work. The faculties published and presented number of research articles in various reputed and peer reviewed journals and conferences. The faculties of the department have shouldered many university level

responsibilities like Member of BoS, Member of BoE and Member of LIC etc. The department has published number of research articles in various reputed and peer reviewed journals and conference proceedings which are indexed and achieved in various scientific and research databases like SCOPUS /DBLP /SPRINGER /IEEE /ACM etc. The department also organizes number of technical training programs /workshops /seminars for the students and faculties to acquire additional knowledge and skills in various areas of computer science. Our students have participated and won the prizes in various technical/cultural/sports activities organized in various organizations. The department has well furnished and equipped laboratories for the students to carry out their lab session and projects. Well qualified lab instructors maintain these labs.

Vision

To adapt the evolutionary changes in computer science and expose the students to the cutting edge technologies to produce globally competent professionals.

Mission

- ◆ To mould the students by providing quality computer education and by strengthening the Industry-Academic interface.
- ◆ To impart the professional skills, innovative research activities and entrepreneurial capabilities in students.

Department Activities

1. ENIGMA CRICKET LEAGUE

The Department of CSE under the banner of student association conducted Enigma Cricket league on 04 December 2021 at 2:30 PM. The auction for the event was conducted on the previous day that is on 03 December 2021 at 2:30 pm in classroom 317. There were 4 teams that took part in the events .



2. **Farewell of 2018 Batch**

The Department of CSE conducted branch farewell for the batch 2018 on 30 June 2022 in Seminar Hall-1. Mr.Aneesh was the master of ceremony. All the students from 4th year were invited to the farewell function held at seminar hall-1. All the staff of CSE department were present in the event. HOD, Dr. Antony P.J welcomed the gathering with his words of wisdom and encouragement.

3. **BRANCH INAUGURAL CEREMONY**

The Department of CSE conducted branch inauguration ceremony of ENIGMA, the student association on 22nd November 2021 at 1.30 PM at Seminar hall 3. The formal function began with welcoming all the dignitaries. The Resource person for the formal function Mr.Deepak Raj, Manager-Risk investigation Perfect Order Experience Amazon Development centre Bangalore.





4. Kick-Start to IoT Technologies

The IoT and Developer's Community Club in association with Department of Computer Science and Engineering organized a technical talk on the topic "Kick-Start to IoT Technologies" on 5th February 2022, Saturday. Mr. Saurabh Samanta, Senior Research Staff in Bharat Electronics Limited Bengaluru was the resource person for the event.

5. Info QUEST

The Department of CSE along with the ENIGMA Association conducted a technical quiz competition on 17th of January 2022 at 10:00 am in the college Seminar hall. It was graced with the presence of our principal Dr. Shantharama Rai C, HOD of CSE department Dr. Antony P J, association coordinators Mr. Chanchal Antony and Ms. Nikhila G, teaching staffs, association members and the students from various departments



6. Mobile Application Development

The Department of Computer Science and Engineering organized a 5-Day Skill Development Program (SDP) on "Mobile Application Development" for the 6th semester students and the faculties. There were a total of 60 students and 16 faculties who participated in this SDP. Dr. Antony P J welcomed the participants and introduced the Resource person of the day Mr. Chetan S P, Founder & CEO, Tackle – D Private Limited and Mr. Navile Nageshwara Naveen, HoD Dept. of CSE, MIT-T.

7. TECHNICAL TALK

The Department of Computer Science And Engineering in Association with the student association-Enigma conducted a technical talk on 21st May 2022 at 11:00am in Seminal hall The formal function began with welcoming all the dignitaries. The Resource person for the formal function was Mr. Vipin Kumar Nittoor and Dr. Geetha.



Faculty Achievements

CONFERENCES/ PAPER PUBLICATION/INVITED TALK

- Dr. Antony P J Honored with “International Researcher Award-2021” for research contribution to Kannada and Tulu
- Dr. Antony P J has Appointed as an Expert Member of VTU PhD Pre-Registration Interview Panel Committee for the academic year 2021-22.
- Dr. Antony P J has Appointed as a Member of Board of Studies (BOS) by VTU under CSE/ISE board for the next 3 academic years (2019-22) and have taken responsibilities of curriculum design of various courses like AIML, Data Science, Cyber security, CSD etc. both at UG and PG levels.
- Dr. Antony P J has Appointed as a Member of Board of Studies (BOS) by NMAIET Nitte, under AIML board for the next 3 academic years (2021-23).
- Dr. Antony P J has Appointed as a Member of Board of Studies (BOS) by St. Aloysius College, MSc Software Technology and MCS Departments for the next 3 academic year (2019-22).
- Dr. Antony P J has published Vagabond- The Travel App Using Android Studio, International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 11, Issue 7, July 2022.
- A NOVEL APPROACH TO CONVERT NATURAL LANGUAGE INQUIRY TO SQL QUERIES USING ARTIFICIAL INTELLIGENCE, International Conference of emerging Trends in Science and Technology, Nallamuthu Houder Mahalingam College, Tamilnadu on 27 th September 2021
- Chanchal Antony published a research paper titled “ Investigation Of Security Breaches Due To Resource Sharing In Virtual Machine Migration Using Hybrid Ant Colony Optimization With Ann”, published in, EAI Endorsed Transactions on Cloud Systems, May 2022, DOI: 10.4108/eai.7-6-2022.174150
- Laxmi Gulappagol “Geofencing Technology for Sustaining Vehicular Noise Pollution in Urban Areas”, 2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC), 2021, pp. 1-4, doi: 10.1109/ICMNWC52512.2021.9688385.
- Laxmi Gulappagol Attended 7 days International Workshop on “Artificial Intelligence” @ St.Claret College, Bangalore University, from 15th November 2021 – 21st November 2021.
- Laxmi Gulappagol Participated in the Online Training Programme on “Multimedia for Teaching”, @ NITTTR, Chennai, from 07th March 2022 to 11th March 2022.
- Laxmi Gulappagol Participated in the Online Training Programme on “Programming using Arduino and Raspberry Pi”, @ NITTTR, Chennai, from 21st March 2022 to 23rd March 2022.

STUDENT ACHIEVEMENTS

- Namratha Shetty, of 2nd year won third place in Swimming at VTU, Jyothi Institute, Bangalore
- Harshith J Poojary of 3rd year secured first place in Web Designing Pirates at M.I.T.E, Moodabidri
- Abhishek Mankame of 3rd year has secured first place in Web Designing Pirates at M.I.T.E, Moodabidri
- Ramsha Riyaz of 2nd year selected for Selected for Intel Level 1 IoT student ambassador program
- Isha Sheik of 2nd year Selected as Google developer student club lead.
- Mr. Atreya and Mr. Sharath Kumar of 2nd year won 3rd place in State Level Engineering
- Students participated in State Level Project Exhibition in the Academic Year 2021-22 KSCST, 45TH SERIES SPP No. of Project Participated 01

STUDENT PAPER PUBLICATIONS

- Prathiksha, Unnatik, Subhakar, Manu kashyap under the guidance of Dr. Antony P J Vagabond- The Travel App Using Android Studio International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 11, Issue 7, July 2022
- Bhavna, Sharma, Shraddha, Arpitha M J under the guidance of Mr. Siju Soman Smart Power Consumption Analyser and Controller - A Survey International Journal of Creative Research Thoughts Volume 10, Issue 6 June 2022, UGC Approved Journal
- Neha c Naik, Nireeksha rai, Pallavi shetty, Pujaririya prem under the guidance of Mrs. Archana S PASHUPALAK (An Android App for Dairy Farmers) International Research Journal of Modernization in Engineering Technology and Science Volume 4, Issue 06, June 2022
- Anita Ramakrishna Bhat, Chanda naik, Vishakha kotecha, Nikita r m under the guidance of Mrs. Sharon D`Souza CROWN SERVICES CONNECTING NEIGHBORHOOD SERVICES International Research Journal of Modernization in Engineering Technology and Science Volume:04/Issue:0 5/May-2022
- Deeksha d shenoy, K V Bhoomika, Karishma shetty, Keerthana R under the guidance of Mrs. Laxmi Gulappagol Carbon Emissions and Battery Monitoring System International Journal for Research in Applied Science & Engineering Technology Volume 10, Issue 5, May 2022
- Lavita gloria, Monisha D, Nidhi K, Sanjana shetty under the guidance of Mrs. Snitha Shetty A Survey on Detection and Diagnose of Malnutrition International Journal for Research in Applied Science & Engineering Technology Volume 10, Issue 5, May 2022
- Meghana shetty, Ranjitha N, Rifhashia, Snehal under the guidance of Mrs. Sharon D`Souza Cervical Cancer Prediction System Using Convolutional Neural Network International Research Journal of Modernization in Engineering Technology and Science Volume 4, Issue 05, May 2022
- Anuvinda K V, Nirmala N B, Insha Naz, Chandana Ballala J R, under the guidance of Mr. Basappa B Kodada Literature Survey Paper on Password Manager International Journal of all Research Education & Scientific Methods Volume 10, Issue 05, May 2022

- Akash S, Mahroof, R Srinivas, Abel Sobichan under the guidance of Ms. Nikhila Peer to Peer Online Rental Platform International Journal of Engineering Research & Technology Volume 11, Issue 6, June 2022
- Nithish N Shetty, Nithin, Shiva shankar B. N, Karthikeya Kumar under the guidance of Mrs. Archana S AUTOMATED SHOPPING TROLLEY USING RFID International Research Journal of Modernization in Engineering Technology and Science Volume:04/Issue:0 5/May-2022
- Akshay d t, Karthikeya, Sarthak, Bharath Raj shetty under the guidance of Mr. Vijaykumar D Survey on Skin Disease Detection International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 11, Issue 7, July 2022
- Ramyashree, Saachya s shetty, Ananya r Shetty, Sabhyatha Murial Suvarna, under the guidance of Mr.Chanchal Antony Sharing is caring- Charitable Trust Website International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 11, Issue 6, June 2022
- Muhammad Ihjaz Ebrahim, Muhammad Shamil A, Rassal T, under the guidance of Mr. Basappa B Kodada SCORECARD GENERATOR International Research Journal of Modernization in Engineering Technology and Science Volume:04/Issue:0 6/June-2022
- Adon Biju, Amal Kuriakos, Jismon M U, Amal Mathew under the guidance of Mr. Chanchal Antony Canteen Food Ordering and Managing System International Journal of Current Science Research and Review Volume 05 Issue 4JK18CS006 AMAL 06 June 2022
- Akshaya Balikha D S, Anusha D'souza, Lavanya Pushpakar, Sourab Suresh under the guidance of Ms. Nikhila A Brief Study on Hindi Text Summarization using Natural Language Processing International Research Journal of Modernization in Engineering Technology and Science Volume 04, Issue 06, June 2022
- Ashwika v Shetty, Amshitha R, Deeksha under the guidance of Dr. Laxmi Gulappagol Leaf Disease Detection Using Image Processing International Research Journal of Modernization in Engineering Technology and Science Volume 04, Issue 05, May 2022
- Akash Prasad, Devanarayan APC, Fayaz Umarul Faruk under the guidance of Dr. Antony P J BLOOD BANK APPLICATION International Research Journal of Modernization in Engineering Technology and Science Volume:04/Issue:0 6/June-2022

FUNDED PROJECTS

- * Dr. Nagesh H R(PI),Dr. Kiran Kumar (CoI-1),Dr. Basappa B Kodada(CoI-2) Project Title Design and Implementation of security Solution for Healthcare Systems funded by VTU Research Grant Scheme-2021 the amount sanctioned (in rupees) Rs. 4.44 Lakhs /- in the year 2021-22 status in process.
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The department has experienced and highly qualified dedicated faculty who are specialized in domains like Robotic Design, Digital Applications, Internet of Things (IOT), Embedded Systems, Chip Design, Controller Design, Circuit Design, Satellite Communications, Mobile App Development, Artificial Intelligence and Radar Signal Processing etc. The department houses many technical clubs such as Radio Club, Robotic & Embedded Club

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The Department of Information Science and Engineering was established in the year 2016 with the establishment of AJIET, Mangalore. The department is offering a bachelor of engineering program in Information Science & Engineering with an intake of 60 with excellent infrastructure. The department has well-qualified dedicated teaching and non-teaching staff with well-equipped laboratories to fulfill the academic needs of the students. Faculty of the department has published 2 text books, 2 book chapters and more than 90 research papers in reputed national and international conferences and journals. The major goal of the department is to produce highly knowledgeable, competent and resourceful young engineers who can excel in their respective profession.

Vision

To be a center of excellence in Information Science & Engineering education, research and training to meet the growing needs of the industry and society

Mission

M1 : To impart theoretical and practical knowledge through the concepts and technologies in Information Science and Engineering

M2 : To foster research, collaboration and higher education with premier institutions and industries.

M3 : Promote innovation and entrepreneurship to fulfill the needs of the society and industry

Industry Visit :

Industrial visit of III Year ISE Students on 22-06-2022 to 24-06-2022 at ITCHAMPS Software Pvt. Ltd, Mysore, Doddabetta Tea Factory, Ooty.



Laboratories photos with Students

Project/Research Laboratory



Hardware Laboratory



Data Processing Laboratory



Computing Laboratory



CULTURAL AND TECHNICAL EVENT :

- ◆ ARPITHA SALIAN student of 4th year has won First Place in Tech Yuva 22-Treasure Hunt - Srinivas University, Mukka held in the year 2022
- ◆ Anish Suvarna student of 3th year won Second Place in Tech Yuva 22-Group Dance -Srinivas University, Mukkaheld in the year 2022
- ◆ Bhagya Shree student of 3rd year has won First place in Tech Yuva 22-Treasure Hunt – Srinivas University, Mukkaheld in the year 2022
- ◆ Sanjay student of 3rd year has won first place in Tech Yuva 22-Treasure Hunt -Srinivas University, Mukkaheld in the year 2022
- ◆ Anush student of 3 rd year has won First Place in Tech Yuva 22-Treasure Hunt -Srinivas University, Mukkaheld in the year 2022
- ◆ Sukanya N Shet student of 3 rd year has won 2nd place in Tech Dumb Charades @ MITE, Moodabidriheld in the year 2022
- ◆ Sukanya N Shet student of 3 rd year has won 2nd place in Groove Eastern Dance @ MITE, Moodabidri held in the year 2022.
- ◆ Sukanya N Shet student of 3rd year has won 2nd place in Nrutya @ St. Joseph Engineering College, Mangalore on 19 May 2022
- ◆ Anish Suvarna student of 3rd year has won 2nd place in Nrutya @ St. Joseph Engineering College, Mangalore on 19 May 2022
- ◆ Anish Suvarna student of 3rd year has won 2nd place in Groove Eastern Dance @ MITE, Moodabidri held in the year 2022.

SPORTS EVENT:

- ◆ Chandan H Gunaga student of 3 rd year has won 1st place in discuss throw, @ AJIET, Mangaluru on

Faculty Achievements : Publication, phDaward

SN	Department	Author Name	Co-authors	Title of Paper	Year	Name of Journal/Conference with vol. & pages	National/International	Publication Type	DOI, ISSN, Link	Indexing	Impact Factor	Author Institute
1	ISE	Suresha D	Chikmagalur, Aravinda, Prakash Hebbakavadi, Kyasambally Rajasekhar, and Udayakumar Reddy	Off-Line Signature Confirmation based on Cluster Representations of Geometrical and Statistical Features through Vector Distance, Neural Network and Support Vector Machine Classifiers.	2022	The International Arab Journal of Information Technology, 19, pp. 667-673	International	Journal	https://doi.org/10.34028/iajit/19/4/11	Scopus	0.97	AJIET, Mangaluru
2	ISE	Suresha D	Sumanth, C. M	Confidence Analysis of a Solo Sign-On Device for Distributed Computer Networks: A Modeling Approach	2021	Recent Advances in Mathematical Research and Computer Science Vol. 5, pp. 94-104.	International	Book Chapter	https://doi.org/10.9734/bpi/ramrcs/v5/1548B			AJIET, Mangaluru
3	ISE	Suresha D	Shrisha, H. S., V. Anupama, and N. Jagadisha	KGAN: A Generative Adversarial Network Augmented Convolution Neural Network Model for Recognizing Kannada Language Digits	2022	Communication and Intelligent Systems, pp. 523-531	International	Book Chapter	https://doi.org/10.1007/978-981-19-2130-8_41			AJIET, Mangaluru

4	ISE	Naganna Chetty	Sreejith A and Vishal Kumar	Technology-Assisted Social Reforms and Online Hate Content: Insights from India	2022	Brazilian Archives of Biology and Technology, 65, PP 1-12	International	Journal	https://doi.org/10.1590/1678-4324-2022210664	SCI	0.8	AJIET, Mangaluru
5	ISE	Naganna Chetty	Sreejith A	Climate Policy and e-Participation Resilience: Insights from Social Media	2022	Co-creating for Context in the Transfer and Diffusion of IT, IFIP-2022	International	Book Chapter	https://doi.org/10.1007/978-3-031-17968-6_24			AJIET, Mangaluru
6	ISE	Navya S. Rai		Air Quality Predictive Analysis using Machine Learning		International Research Journal of Modernization in Engineering Technology and Science	International	Journal	https://doi.org/10.1007/978-3-031-17968-6_24	Google Scholar		AJIET, Mangaluru

Workshop/Conference/Talk

The Department of ISE conducted a Technical Talk on "Cyber Security-Trends, Challenges and Solutions" on 23th OCTOBER 2021. The Resource person of the talk was Dr. Nagesh H R.



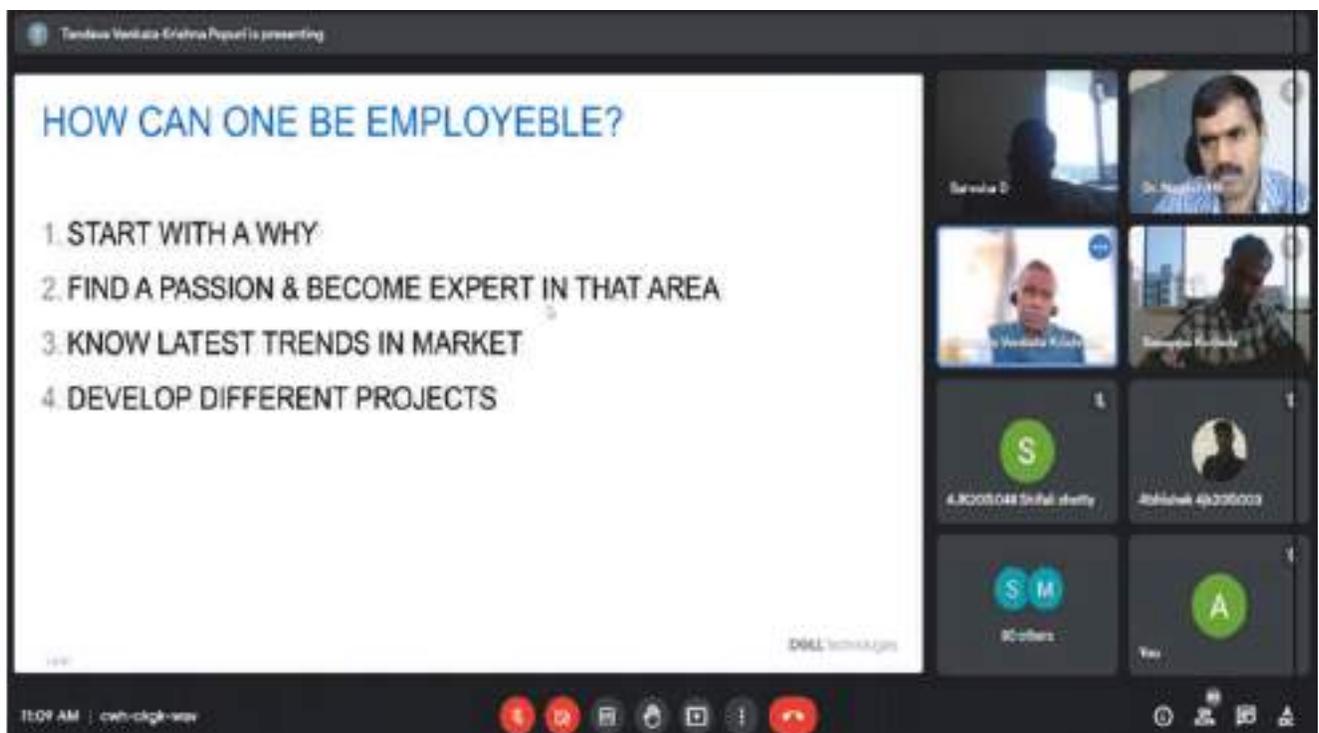
The Department of ISE conducted a Technical Talk on "PLACEMENT AND TRAINING" on 9 th OCTOBER 2021. The Resource person of the talk was Prof. VivekRanjan, Placement Head, AJIET, Mangalore.



The Department of ISE conducted a Technical Talk on “Recent trends and job opportunities in Big Data Analytics” on 17th July 2021. The Resource person of the talk was Mr. Akshath Hegde.



The Department of ISE conducted a Technical Talk on ” Power seminar -Industrial Scope for CSE/ISE Graduates” on 29th January 2022. The Resource person of the talk was Mr. Tandava Popuri Software Engineer Director at Dell Bangalore Urban, Karnataka, India.



FDP Attended

- ◆ Dr. Suresha D has participated in Online Faculty Development program on **“NBA Accreditation and Teaching and Learning in Engineering (NATE)”** organized by NPTEL.
- ◆ Mr. John Prakash Veigas has participated in Online Faculty Development program on **“Microsoft Power BI Data Analyst Associate”** organized by AJ Institute of Engineering and Technology Mangaluru from 24 May 2022 to 28 May 2022.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Creative Problem Solving, innovation and meaningful R&D”** organized by NITT from July 2022
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“FPGA Based Deep Learning Applications in Signal Processing”** organized by KLE Technological University from 5/7/2021 to 9/7/2021
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Recent Trends in Artificial Neural Networks”** organized by J.K.K. Nataraja College of Arts & Science. from 21/09/2021 to 25/09/2021.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Inculcating Universal Human Values in Technical Education”** organized by All India Council for Technical Education (AICTE) from 13 September, 2021 to 17 September, 2021.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Digital Forensic Trends”** organized by National Forensic Sciences University from 18/10/2021 to 22/10/2021.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Data Analysis and Mining With Python”** department of computer science and engineering, CMR Engineering college, Hyderabad, from 08th to 12th November 2021
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Instructional Planning and Delivery organized”** NITTT - AICTE from 01 May 2021 to 31 May 2021.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Technology Enabled Learning & Life-Long Self Learning”** organized by NITTT - AICTE from 01 Sep 2021 to 31 Oct 2021
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Microsoft Power BI Data Analyst Associate”** organized by AJ Institute of Engineering and Technology Mangaluru from 24 May 2022 to 28 May 2022.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Natural Language Processing”** organized by Electronics and Communication Engineering of Shri Madhwa Vadiraja Institute of technology and management Bantakal in association with Karnataka science and technology academy from 25 to 29 July 2022.
- ◆ Mr. Rakesh M R has participated in Online Faculty Development program on **“Creative Problem Solving, innovation and meaningful R&D”** organized by NITTT- AICTE from 10 May 2022 to 10 July 2022.
- ◆ Mrs. Navya S Rai has participated in Online Faculty Development program on **“Recent Trends in Artificial Intelligence, IOT, and Data Analytics”** organized by Dept of Computer Science and Engineering of Shri Vishnu Engineering College for Women from 9-13, February 2022.

- ◆ Mrs. Navya S Rai has participated in Online Faculty Development program on “**Microsoft Power BI Data Analyst Associate**” organized by AJ Institute of Engineering and Technology Mangaluru from 24 may 2022 to 28 May 2022.
 - ◆ Mrs. Divya P has participated in Online Faculty Development program on “**Microsoft Power BI Data Analyst Associate**” organized by AJ Institute of Engineering and Technology Mangaluru from 24 may 2022 to 28 May 2022.
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Online Courses:

- Miss. Pavithra Karanth completed the online Course on Introduction to Artificial Intelligence
- Miss. Prathiksha R Shetty completed the online Course on Web Development
- Miss. Drethi Shetty completed the online Course on C for Everyone Programming
- Miss. Deeksha Shetty K completed the online Course on C for Everyone Programming Fundamentals
- Miss. Bhagyashree Suvarna completed the online Course on python for Beginners
- Miss. Kshama D completed the online Course on C for Everyone programing for Fundamentals
- Miss. Poorvi M Rao completed the online Course on Python for Everybody
- Miss. Megha Achary completed the online Course on C for Everyone programming for Fundamentals
- Miss. Megha completed the online Course on Python for Beginners
- Miss. Prajna S Puthran completed the online Course on C for Everyone programming for Fundamentals
- Miss. Rakshitha Poojary completed the online Course on C for Everyone
- Miss. Rakshitha completed the online Course on Python for Beginners
- Mr. Ram Krishna Marndi completed the online Course on Algorithms, data Correction and Starting to Code
- Mr. Ram Krishna Marndi completed the online Course on Machine Learning Foundations: A case study approach
- Mr. Ram Krishna Marndi completed the online Course on Programming for Everybody(Getting Started with Python)
- Mr. Ram Krishna Marndi completed the online Course on Cyber security & IOT
- Mr. Sanjay Bangera completed the online Course on Python for Beginners
- Miss. Shreya Ganiga completed the online Course on Use Wordpress to Create Blog for Business
- Miss. SherenRahel Maben completed the online Course on getting Started with Python
- Mr. Sharan S Shetty completed the online Course on Python for Fundamentals
- Mr. Salman Farish completed the online Course on python for Data Science
- Miss. Deeksha Shetty K completed the online Course on C for Everyone: Programming Fundamentals

Farewell Function Photos



Student project won photos with details

List of Student Project Proposals Approved for Sponsorship

Sl. No	PROJECT REFERENCE NO.	PROJECT TITLE	COURSE	BRANCH	NAME OF THE GUIDE(S)	NAME OF THE STUDENT(S)	SANCTIONED AMOUNT (IN RS.)
1	45S_BE_1518	IMAGE REGENERATION FOR OLD DAMAGED REEL PICTURE	B.E.	ISE	Mr. JOHN PRAKASH VEIGAS	Ms. YASHWINI Ms. MEGHASHREE Ms. PAVITHRA Ms. ZUBAIDA SHAIMA	4,500.00
2	45S_BE_1967	CHRONIC DISEASE PREDICTION AFTER COVID-19 USING MACHINE LEARNING	B.E.	ISE	Dr. SURESHA D.	Ms. SWAPNA Ms. PRATHEEKA H Ms. SAAMIYA Ms. TANYA MENDON	3,000.00

Faculty and Staff



Fourth Year Students (2021-22)



Sitting-L R- Mrs. Sharanya, Mrs. Shilpa Shetty, Dr. Nagesh H R (HOD), Mr. Prashanth Shetty (Vice President), Dr. A.J. Shetty (President), Dr. Shantharama Rai C (Principal), Mr. John Veigas, Mr. Rakesh M.R., Mrs. Aruna Kumari.

Standing L R (Row-1): Nihal, Mrs. Sushma, Mrs. Akshatha, Ms. Nischitha, Chaithrashree, Payal, Pavithra, Neha, Zubaidha Shaima, Sridevi, Anvitha, Yashaswini, Ramya, Nishitha, Reshma, Prajna, Meghashree, Mrs. Prajna, Mrs. Sunitha, Manjula, Mrs. Navya Rai.

Standing L R (Row-2): Prathap, Afreena, Shreya, Krithi, Sonia, Amritha, Amisha, Lorene, Shaiba, Safreena, Aishwarya, Nayana, Navitha, Harshitha, Dwithi, Pratheeksha H, Swapna, Samiya, Thaniya S. Mendon, Swathi.

Standing L R (Row-3): Shashank, Akhil, Anujith, Ainan, Sagar, Chandan, Harshith, Dhanush, Rakshith, Neeraj, Praise, Dishanth, Sudeesh, Rohith, Abhijith, Melvin, Lenish.

Students Association -HIEKA



ISE ENGG

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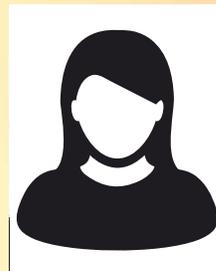
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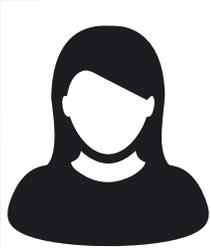
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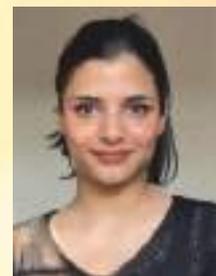
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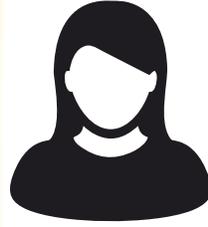
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Established in the year 2016, the Department of Mechanical Engineering has excelled in its infrastructural facilities keeping pace with the latest development in technologies. Mechanical Engineering is a wonderfully diverse subject and it can be best summed up with a slogan from the professional body, the Institution of Mechanical Engineers – 'Nothing moves without Mechanical Engineers'. Whether it is an aircraft, car, train, satellite or an artificial knee replacement, mechanical engineers play an important role.

DEPARTMENT FEATURES & FACILITIES

- Highly qualified faculty- a team of well experienced faculty to encourage and inspire students to excel in their fields.
- State-of-the-art research laboratories- Sophisticated and advanced lab equipment for curriculum and Research for student and faculty in the field of mechanical engineering
- Innovative clubs – Department has various clubs for the students such as Automotive club, Aero club, Robotic club, EDC to develop valuable skills among students such as teamwork, work ethics and start-up ideas.
- Industrial visits- students have visited leading Research institutes like CSIR-NAL, IISc Bengaluru, FESTO, Toyota, and MIT Manipal to provide students a good opportunity to gain full awareness about industrial practices. Through industrial visit students get awareness about new technologies.
- Technical talk – Department Organizes Guest Lectures by eminent Speakers from Reputed Institutes and Industry
- Hands on Workshop- Department regularly conducts effective workshops for students on mechanical domains like IC Engines, Refrigeration & AC and softwares to meet Industrial demands
- Placement assistance & Training- training programmes are conducted to attain certain skills such as Creativity, Problem-solving skills, communication skills and other software tools which are important for Mechanical engineering students to achieve good placement in various Industries.
- Research led Culture - Faculty expertise in the area of cryogenics, IC engines, Aerodynamics, Fatigue Crack growth, Renewable energy lead the research in department to mold the students to be Industry Ready.
- Institute – Industry collaborations- Institute-Industry interaction and MoUs with industry and research institutions have ensured that students obtain best possible exposure to multiple learning experiences.

Vision

To create globally competent and self-reliant mechanical engineers adaptive to an interdisciplinary environment contributing to society through development, authority and entrepreneurship.

Mission

- M1: To offer high quality graduate program in the field of Mechanical Engineering with value education to the students and make them responsive to societal needs.
- M2: To nurture the students with a global outlook for a sustainable future with high moral and ethical values.
- M3: To strengthen collaboration with industries, academia and research organizations to enrich learning environment, thus enhance research and entrepreneurship culture.
- M4: To create awareness about the need of interdisciplinary applications through alumni industry-institution interactions.

Technical Talk

1. Technical Talk on “Opportunities through GATE Exam” by Mr. AnanthPai S, M.Tech (IITM), (PhD, IITM), Founder-APEX Academy, Mangaluru on 1-12-2021 at 2.00 PM.

A J INSTITUTE OF ENGINEERING AND TECHNOLOGY MANGALURU

DEPARTMENT OF MECHANICAL ENGINEERING
&
DEPARTMENT OF CIVIL ENGINEERING
ORGANIZES
TECHNICAL TALK ON

OPPOTUNITY THROUGH GATE EXAM

Dr. Ananth Pai S
Founder, APEX

HIGHLIGHTS

- Career Opportunities
- Public Sector Jobs
- IES Exam
- Internship

01/12/2021
WEDNESDAY
TIME: 2.00 PM

@ Seminar - 1

Coordinators
Mr. Vinod D'souza
Mr. Karthik A.V.

HOD
Dr. Rajesh Rai P
Dr. Suman Kundapura

Principal
Dr. Shantharama Rai C

2. A Technical talk on “Prerequisites to be a Design Engineer” by Mr. Santhosh Kumar K R, Manager, Business Support, CADD Center Mangaluru was organized on 18-11-2021 at 11:00 AM-1:00 PM in Seminar Hall 1.



3. Technical Talk by Automotive Club on “Building an Automotive Club” by Mr. Mohammed Sahil - Data Intelligence Analyst at Salesforce, Bangalore on 23-10-2021.



4. Alumni Talk by Chirag Poonja (2017-2021) Batch student on 19-1-2022, at 11:00 AM for the 4th year Mechanical Branch students. Chirag is working as HR in Groww Technology.



5. A Technical Talk on “Awareness Program on 3D Printing and Industry 4.0” by ,Mr. Sumanth Shenoy& Mr. Suhas Kamath, Co-Founder, Stelna Designs Mangaluru was organized on 18-11-2022 at 2.00PM -5.00PM in Seminal hall 1.



6. Department of Mechanical Engineering, A J Institute of Engineering and Technology celebrated 'Ayudha Pooja' on the 14th of October 2021. All were gathered in the Machine Shop lab to pay reverence to the equipment that allows for smooth learning.



7. The formal Farewell Function for the batch 2017-2021 was held on 6-11-2021 at Seminar hall-1.



8. The formal inauguration function of Inaugural ceremony of Association of Royal Mechanical Students (ARMS) 2020 -2021 on 10-11-2021 started at 1.30 PM in the seminar hall -3 of AJIET, Mangaluru. The chief guest of the function was Mr. G.S. Hegde, Joint General Manager, MCF Mangaluru.



9. Intra department Volley Ball Match Intra Department Volley Ball Match was organized on 17-11-2021 at 2:00 PM-5:00 PM in AJIET Play Ground.



10. Industrial visit to Government Tool Room and Training centre 23 Students of 3rd Semester along with 1 faculty members visited Government Tool Room and Training center on 22-02-2022.



11. Inaugural Function of ARMS The formal Inaugural ceremony of Association of Royal Mechanical Students (ARMS) 2022 -2023 started at 2:00 PM in the seminar Hall-1 of AJIET, Mangaluru on 16-11-2022. The chief guest of the function was Mr. Kalbavi Prakash Rao Former President CII Mangalore, Managing Partner Kalbavi Cashews.



12. Department of Mechanical Engineering in association with automotive club has organized Electric Vehicle awareness Program by Hyundai Motors, India for Mechanical and Electronics students on 11-11-2022 at 2 pm in Seminar hall 3



13. 30 Students of 3rd Semester along with 1 faculty members visited Government Tool Room and Training Center on 16-12-2022 at 2.00 PM.



14. 20 Students of 3rd Semester along with 1 faculty members visited Government Tool Room and Training Center on 23-12-2022 at 2.00 PM.



15. 30 Students of 3rd Semester along with 1 faculty members visited Lamina Foundries Limited, Nitte, Karkala on 16-12-2022 at 2.00 PM.



15. 20 Students of 3rd Semester along with 1 faculty members visited Lamina Foundries Limited, Nitte, Karkala on 23-12-2022 at 2.00 PM.



17. Certification course on AUTOCAD from 16-11-2022 to 09-01-2023. Ms. Jahnvi Senior Training Head 28 students enrolled for this course. Ms. Jahnvi Senior Training Head AUTOCAD, Digi CADD Mangalore trained students considering various basic drawings and machine parts.



18. 18 Students of 5th Semester along with 2 faculty members visited Deccan Plast Industries, Konaje on 23-01-2023 at 11.00 AM.



19. 18 Students of 5th Semester along with 2 faculty members visited JV Springs Baikampady, Mangaluru on 23-01-2023 at 2.00 PM. JV Springs, Brahmas Engineering and Construction Company Ltd. deals with Manufacturing and sale of Automobile leaf springs and assembling.



20. Certification course on CATIA held on 19-12-2022 to 25-01-2023 for 3rd year students. Total 17 students were enrolled for this training course. Resource Person was Mr. Swastik Nanda CADD Engineer CADD Centre, Mangaluru.



21. Department of Mechanical Engineering has organized workshop on Air-conditioning and Refrigeration for 2nd year Mechanical Engineering students on 17-02-2023 at 2PM in Machine shop Laboratory



Faculty Achievements

1. Mr. Sunil Kumar S has participated and successfully completed online training on “Material Science and Nano Simulation” Conducted jointly by VTU, Belagavi & DHIO Research and Engineering Pvt Ltd., Bangalore from 05-08-2021 to 06-08-2021.
2. Mr. Sunil Kumar S has participated in and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by the All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
3. Mr. Sudheer Kini K has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
4. Mr. Harold D'Souza K has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
5. Mr. Prakayath Jain K has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education (AICTE) from 13 September, 2021 to 17 September, 2021.
6. Mr. Prasad B G has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
7. Mr. Prashantha D A has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
8. Dr. Vighnesha Nayak has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
9. Mr. Nithin Shet K has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India

Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.

10. Mr. Sunil Kumar S has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
11. Dr. Sreejith B K has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
12. Mr. Karthik A V has participated and successfully completed the 5-day online FDP on the theme “Inculcating Universal Human Values in Technical Education” organized by All India Council for Technical Education(AICTE) from 13 September, 2021 to 17 September, 2021.
13. Dr. Vighnesha Nayak has participated and successfully completed VTU – Visualizing Engineering training has been scheduled from 2nd August 2021 to 4th October 2021.
14. Mr. Karthik A V has participated and successfully completed VTU – Visualizing Engineering training has been scheduled from 2nd August 2021 to 4th October 2021.
15. Dr. Sreejith B K has participated and successfully completed VTU – Visualizing Engineering training has been scheduled from 2nd August 2021 to 4th October 2021.
16. Mr. Sudheer Kini K has participated and successfully completed VTU – Visualizing Engineering training has been scheduled from 2nd August 2021 to 4th October 2021.
17. Mr. Prasad B G has participated and successfully completed VTU – Visualizing Engineering training has been scheduled from 2nd August 2021 to 4th October 2021.
18. Mr. Harold D'Souza has participated and successfully completed VTU – Visualizing Engineering training has been scheduled from 2nd August 2021 to 4th October 2021.
19. Dr. Vighnesha Nayak, Mr. Karthik A.V. has successfully published a paper “Analytical investigation on energy separation in Ranque – Hilsch vortex tube” in UNHB: Numerical Heat Transfer, Part B: Fundamentals, DOI:10.1080/10407790.2021.1969816.-INTERNATIONAL JOURNAL.
20. Vighnesha Nayak attended and presented a research paper in 3rd International Conference(online) on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME-2021), 2021 held during 19th and 20th November 2021, NMAM Institute of Technology, Karnataka, India.
21. Mr. Sunil Kumar S has participated in AICTE Training and Learning Academy FDP on “Electric Vehicles” from 04-10-21 to 08-10-21.
22. Dr. Sreejith B K served as chairperson in the 3rd International Conference (online) on SME 2021 held during 19th and 20th November 2021, NMAM Institute of Technology, NITTE.
23. Dr. Sreejith B K conducted a bridge course on ' Challenges and opportunities in Mechanical Engineering’ for 2021-2025 batch students.
24. Dr. Sreejith B K received acceptance notification on 07/11/2021 about his manuscript “Numerical Investigation on the Effect of Leading-Edge Tubercles on the Laminar Separation Bubble” from Journal of Applied Fluid Mechanics.
25. Mr. Sudheer Kini K presented research Paper entitled “Bending Deflections and Natural Frequencies of Micro/Nano Beams Using a Third Order Single Variable Nonlocal Beam Theory” in the First International Conference on Structures, Material and Construction held at Jaypee University of Information Technology, Wagnaghat, Solan, Himachal Pradesh, India during 12th – 13th November 2021.

26. Sudheer Kini K presented research Paper entitled “Bending Deflection Solutions of Thick Beams Using a Third Order Simple Single Variable Beam Theory” in the First International Conference on Structures, Material and Construction held at Jaypee University of Information Technology, Waknaghat, Solan, Himachal Pradesh, India during 12th – 13th November 2021.
27. Dr. Sunil Kumar S has published a paper entitled “On Mechanical Response of Aluminum Alloys in Corrosive Environment” in INTERNATIONAL JOURNAL OF INTEGRATED ENGINEERING - VOL. 14 NO. 1 (2022) 48-56
28. V. Nayak, A.V. Karthik, B.K. Sreejith, B.G. Prasad, & K. SudheerKini, “Performance, combustion and emission characteristics of single cylinder CI engine with WCO bio diesel and nanoparticles”, Materials Today: Proceedings, Volume 52, Part 3, 2022, Pages 1570-575, ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2021.11.249>.
29. SREEJITH B. K. of AJIET has participated in one-week GIAN program on organized by the Department of Mechanical Engineering, B. M. S. College of Engineering, Bengaluru, from 20th

Student Achievements

- ◆ Shravan K student of 4th year has won 1st place in Best Physique (Cat:60kg) held at Jyothy Institute of Technology, Bengaluru - 82 on 22-02-2022.
- ◆ Prajwal Suresh student of 3rd year has won 2nd place in Photo Placatory held at MITE, Moodabidri on 14-04-2022.
- ◆ Vikith Salian student of 2nd year has participated in AJIET TECH EXPO -2021 held at AJIET, Mangaluru on 15-08-2022.
- ◆ Yojith, Rakshith Acharya, Shravanraj Kambli, Vasanth Kumar T S students of 4th year has Selected for the Seminar/Exhibition Funded by KSCST during 45th Series of Student Project Programme (SSP) held at VTU, Belagavi on 12-13th August, 2022

Academic Toppers

Year	Topper	Name	USN	Photo
4th Year	I	ADITH AJITH KUMAR	4JK18ME003	https://drive.google.com/file/d/12D6dyuztYBUIB2PbLSVahv3GvZJY-gie/view?usp=share_link
	II	VIGHNESH R PAI	4JK18ME044	https://drive.google.com/file/d/1TcDo2VjTr25jKw-ns-5ZdEVR_RzneSg/view?usp=share_link
	III	HARSHITH SHETTY	4JK18ME018	https://drive.google.com/file/d/138T1eo0yhXxnLMnlocOhscACLjq8WtGi/view?usp=share_link
	IV	DEEPA A S	4JK18ME014	https://drive.google.com/file/d/1qJZZHqqE7XX0BsB341xx5s_9jfRAE8US/view?usp=share_link
3rd year	I	DHANUSH M S	4JK19ME012	https://drive.google.com/file/d/1bZOsGBbhZBdUUAktShbhFxKqCMBIX8w7/view?usp=share_link
	II	AKHILA V P	4JK19ME004	https://drive.google.com/file/d/1FEp4jl8uPD5I0-A38wiCDV1w4nIQ7ZS7/view?usp=share_link
2rd year	I	SALIAN VIKITH VISHWANATH	4JK20ME019	https://drive.google.com/file/d/1VTmBn6z3Mwani9lrGltvK7uv8WZBMzcl/view?usp=share_link
	II	U SAGAR	4JK20ME023	https://drive.google.com/file/d/1Ywa5mPeeFG52JWjYBZFZ6rOSSQf6i27c/view?usp=share_link

Funded Projects

Sl No.	Title of Project	Guide	Students Name	Amount (Rs.)	Funded by
1	A Novel Plastic Waste Management System To Control Pollution.	Dr. Sunil Kumar S	Mr. Vasanth Kumar TS Mr. Rakshith Acharya Mr. Yojith K Mr. Shravanrak Kambli	7,000/-	Karnataka State Council for Science and Technology (KCST)
2	Development Of 360° Rotating Soundwave Fire Extinguisher	Dr. Sreejith B. K	Mr. Sarang C M Mr. Abhishek Sasidharan Mr. Pranav A.P Mr. Pranav T.V	7,500/-	Karnataka State Council for Science and Technology (KCST)
3	Injection Moulding Machine And Production Of Fuel From Waste Plastic	Mr. Prashanth D A	Mr. Akhilraj E S Mr. Akhil K S Mr. Abraham Mathew Mr. Anirudh K	10,000/-	Karnataka State Council for Science and Technology(KCST)
4	Mechanical Pocket Manuring	Dr. Vighnesha Nayak	Mr. Shailesh V Aithal, Mr. Rahul. P. Suvarna Mr. Vikas. P Mr. Bhuvanesh. R. Mallya	5,000/-	Karnataka State Council for Science and Technology (KCST)
5	Automatic Solar Powered Railway Track Crack Detecting Vehicle	Dr. Sreejith B K	Mr. Likith S Amin, Mr. Jacob Antony Mr. Jatin Kuckian, Ms. Neha S Jain	5,000/-	Karnataka State Council for Science and Technology(KCST)
6	Wheel Chair Cum Bed For Hospital Use	Dr. Rajesh Rai P, Dr. Gnane Swarnadh S, Prof. Prakash Shetty		1,00,000/-	LMET
7	Performance Combustion and Emission Characteristics Of Single Cylinder CI Engine With WCO Bio diesel And Nanoparticles With Oxygen Enrichment Process	Dr. Vighnesha Nayak	Mr. Manish Kulal Mr. Purushothama H Shetty Mr. Wilfred Marshal Varghese Mr. Tejesh	6,000/-	Karnataka State Council for Science and Technology (KCST)

8	Automated Drain Cleaning Machine	Mr. Nithin Shet	Mr. Karthik Mr. Rithesh Mr. Sanath Kumar Mr. Karan K	7,000/-	Karnataka State Council for Science and Technology (KCST)
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AERO CLUB

Visit to Sahyadri

On 13th December 2021 there was a visit to Sahyadri College for the purpose of gaining much knowledge about the RC Plane making.



Building a Pusher Type RC Plane



On 2nd January 2022, fabrication of the first RC plane begin, it is done using 5mm depron sheet with 1m wing span. The entire work is completed on 5th April 2022.

Making an Bluetooth Controlled Arduino Car



To gain the knowledge about arduino projects, on 31st January 2022 the smartphone controlled robot was made using HC-05 bluetooth module.

Building MIG-29



MIG-29 a fighter aircraft designed in the Soviet Union. The RC model of the aircraft started fabricating on 13th May 2022

Visit to NITK Surathkal



To gain the knowledge about RC aerial vehicle and its application in survey, 3D modeling of landscape, maintenance of industrials etc. On 30th June 2022

Aeroclub Meeting



On 18 th October 2022 there was Meeting conducted regarding the upcoming project need to be conducted in Aeroclub

Making Trainer Plane

For the purpose of flying practice for the aeroclub students Trainer Planes were designed and built.



Drone Making

Drone is a Flying Robot that can be remotely controlled. The Drone modelling work started on 13th February. By first 3D printing the Designed Frame followed by making necessary connection and feeding program.



Automotive Club

“Auto Expo 2022”

A 1-day event of Auto Expo was organised on 10th December 2022 by Automotive Club of AJIET. The event was witnessed by the expert bikers and car motorists. Advanced automobile models, debuts, concept cars, or out-of-production classics were exhibited in AJIET campus.



“Workshop on Design and Building of Go-Kart Car”

A 2-day workshop on “Design and building of an electric car and Go karting car” was organised on 21st and 22nd of August 2022 by Automotive Club of AJIET in association with 'Imperial Society of Innovative Engineers'



Faculty and Staff



Sitting-L R : Mr. Prashantha D A, Mr. Prasad B G, Dr. Sunil Kumar, Dr. Rajesh Rai (HOD), Dr. Shantharama Rai C (Principal), Dr. Vighnesha Nayak, Dr. Sreejith B, Mr. Harold D'souza, Mr. Sudheer Kini

Standing- L R : Mr. Nithin Shet, Mr. Karthik A V, Mr. Prakyath Jain, Mr. Vishal, Mr. Janardhan, Mr. Abhijith, Mr. Santhosh, Mr. Tharanath, Mr. Sudhakar, Mr. Chandrakanth, Mr. Ajay D'souza.

Fourth Year Students (2021-22)



Sitting L R : Dr. Sreejith, Mr. Harold D, Dr. Rajesh Rai (HOD), Mr. Prashanth Shetty (Vice-President), Dr. A. J. Shetty (President), Dr. Shantharama Rai (Principal), Dr. Vignesh Nayak, Dr. Sunil Kumar, Mr. Prashantha DA.

Standing L R (Row-1) : Mr. Vishal, Mr. Janardhan, Mr. Abhijeeth, Mr. Chandrakanth, Mr. Prasad BG, Pranav TV, Anirudh, Abhishek, Ajayraj, Sarang, Yojith, Deepa, Dheeraj, Pavan, Sarvesh, Mr. Santhosh, Mr. Sudhakar, Mr. Ajay D, Mr. Tharanath, Mr. Karthik, Mr. Prakhyath, Mr. Sudheer, Mr. Nithin.

Standing L R (Row-2) : Vasanth, Akhilraj, Akhil, Sharan, Jayaprakash, Saneen, Sreejesh, Kavan, Venkitesh, Manish MP, Dharmik, Ritvik, Shanthanu, Shravan PC, Saurav, Shravanraj, Viswajeeth, Adith.

Standing L R (Row-3) : Manish, Abraham, Sravan C, Roshan, Vignesh, Leston, Vignesh P, Shrujan, Fayaz, Sahil, Vishnav, Pranav AP, Vishnu, Harshith V, Shravan, Harshith S, Ashish, Deekshith, Pratheek, Rakshith.

Student Association -ARMS



Sitting L R : Mr. Karthik Bhat, Dr. Rajesh Rai P (HOD), Dr. Shantharama Rai C (Principal), Mr. Prasad B G, Dr. Vignesh Nayak.

Standing L R (Row-1) : Harsh Sreevatsav, Shamath, Sumanth, Charan, Harshith, Deekshith, Shantanu, Vignesh Amin, Akhila.

Standing L R (Row-2) : Rishi Joshi, Dhanush, Sail Kapoor, Adith, Ashish, Vignesh Pai, Leston.



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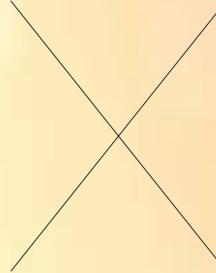
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