



Laxmi Memorial Education Trust®
Mangaluru

AJ SPARKLE 2020



A.J. INSTITUTE OF ENGINEERING & TECHNOLOGY MANGALURU

(A Unit of Laxmi Memorial Education Trust®)

(Affiliated to VTU Belagavi, Karnataka, Approved by AICTE, New Delhi
& Recognized by Govt. of Karnataka)

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LEARN

OBSERVE

IMAGINE

AND

INNOVATE

VISION

AJIET is inspired by the vision to produce top quality engineers who are groomed for attaining excellence in their profession as well as competitive enough to help in growth of society and nation.



MISION

AJIET is committed to attain perfection and excellence by maintaining high standards and qualities by providing outstanding educational and research facilities to the students and staff of its institute that results outstanding achievements in education, research, inventions and innovations. In addition, AJIET aims to develop high quality industry leadership, entrepreneurship skills among students and also 100% placements in dream companies and industries in all over the world.



OBJECTIVE

The main objective of the institution is to impart high quality theoretical knowledge, ably and well supported by adequate practice in laboratories, Workshop, drawing rooms etc. to turn the student into a highly competent professional and at the same time an exemplary human being in the service of the state and the nation and to become a proud global citizen. In this direction, the institution considers student as the most important person in the campus and all staff members and all other persons connected with the institution are required to orchestrate all their activities to the student requirements. We, therefore, commit ourselves to produce such quality engineers who can take up these challenges of the day and of the future. Engineering means to find economical solutions for technological problems. It has vital role in the prevailing conditions. Most of them choose engineering as their file of study as it is much sort-after profession. It gives both social as well as financial status. Engineers work starts from planning, designing, construction, production, testing, implementation and maintenance etc. Engineering offers tremendous scope for employment depending on the area of specialization.



SCOPE

Engineering means to find economical solutions for technological problems. It has vital role in the prevailing conditions. Most of them choose engineering as their file of study as it is much sort-after profession. It gives both social as well as financial status. Engineers work starts from planning, designing, construction, production, testing, implementation and maintenance etc. Engineering offers tremendous scope for employment depending on the area of specialization.

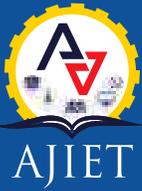


LAXMI MEMORIAL EDUCATION TRUST (R)

A.J. Institute of Engineering & Technology is promoted by Laxmi Memorial Education Trust (R.) 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.

Life experience has shown that, few people are born to fulfil their mission and leave behind legacies and immortalize their names on the sands of time. One among them is our President, Dr. A.J. Shetty, who has made unbelievable contribution in the field of education and business. Through his unparalleled leadership qualities and humanitarian work, he has created niche for himself. The road to success from a barren hillock to an educational hub was not an easy task. He is a true personification of humanity, vision, charity, commitment to the society and to the people. The most significant of his contributions has been to provide free medical and dental treatment and showcase the world that the small coastal town could make a mark for itself.

He has many awards to his credit like the “Arch of Excellence Award 94”, “Gem of India Award 94”, National Corporate Excellence Award 95”, “Dakshina Kannada District Rajyotsava Award 2011” and the “Vandana Award” by Rotary Club of Mangaluru. Mangaluru University awarded Doctorate Degree in the year 2016 for his outstanding contribution to the field of industries and Education. He is also the Managing Trustee of Kadri Shree Manjunatheshwara Temple. Dr. A.J. Shetty’s commitment towards his vision and excellence has played a decisive role, in transforming all the educational institutions into premier institutes of the country. Being a pioneer industrialist of South Kanara, Dr. A. J. Shetty started the renowned 3 Star Hotel Moti Mahal, 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, Moti Mahal College Of Hotel Management (Attached With 3 Star Training Hotel Moti Mahal), Laxmi Memorial College Of Hotel Management, A.J. Institute of Hospital Management Laxmi Institute of Paramedical Sciences.



AJ INSTITUTE OF ENGINEERING AND TECHNOLOGY



AJIET is the only engineering college situated within Mangaluru city. It is located in Kottara Chowki lies at a convenient distance of about 2 kilometres from the central bus stand, 5 kilometres from Mangaluru central Railway Station and about 12 kilometres from Mangaluru Airport. AJIET is the right and convenient Institute for the students from in and around the city as well as nearby states who prefer engineering course. This locality advantageous will enable the students and faculties to work and interact with many industries and software firms located around the institute in a totally complimentary manner.

BOARD OF DIRECTORS

LAXMI MEMORIAL EDUCATION TRUST®



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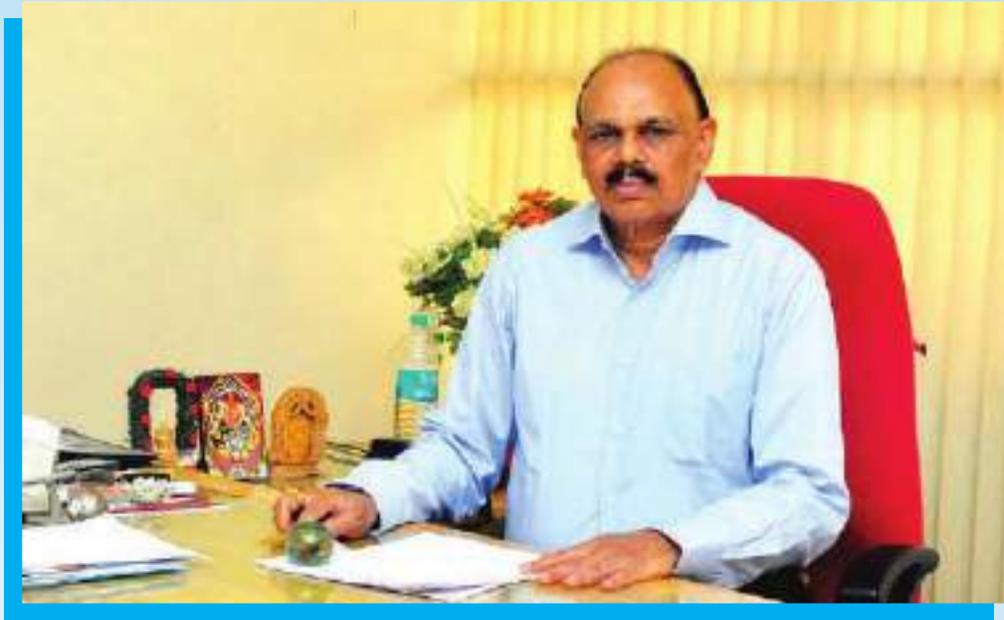


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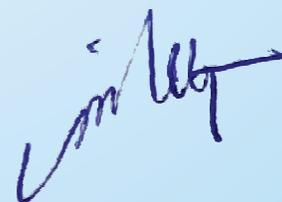
From the President's Desk



I am Extremely glad to know that A J Institute of Engineering and technology is bringing out a college Magazine “AJ Sparkle- 2020”.

Everyone knows the importance of education that too professional higher education like Technical, Medical or other of different fields. Technical education is the foremost in technological economical supremacy of the country. Hence, our engineering students should be in forefront in the technological achievements thereby economical growth of the nation.

My best wishes to the Magazine Committee.



Dr. A.J. Shetty
President

From the Vice President's Desk



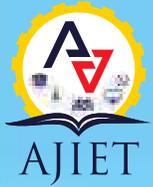
I am happy to know that the A J Institute of Engineering and Technology is coming up with a college magazine “AJ Sparkle-2020”.

All kinds of education are having its own significance in the respective field. But technical education is the most important one in the development of the nation. The magazine is a mirror to reflect the activities of the students and to showcase their talents. It also provides an opportunity for the staff to share their experience.

I hope that the magazine will come out with interesting articles. Wish the Magazine committee all the best.



A. Prashanth Shetty
Vice President



From the Principal's Desk



**I can do things you cannot, you can do things I cannot; together we can do great things
-St. Teresa of Kolkata**

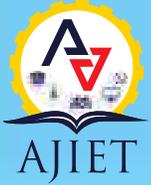
A J Institute of Engineering and Technology, Mangaluru is being moulded and taking shape into a beautiful form under the leadership of our great personality Dr. A. J. Shetty and is on par with our sister concerns under the banner of Laxmi Memorial Education Trust®. I am privileged and blessed to be able to steer this institution to the next level of excellence. At this point I recognize the service rendered by the dedicated teachers, ancillary staff and the supporting parents who have worked selflessly and tirelessly.

It is true that we can do great things. In the last three years since our inception, AJIET's Progress as an institution has been astoundingly electric. Academics and Co-curricular achievements has been encouraging and defining. Engineering is not just machines and mechanics, its human too, as it is meant for the people in the society. I am personally a firm believer of an educational system, which gives not the mere information to students but also works towards their formation whereby stress is laid not just on academic excellence but on "character formation with academic excellence". The management has always been supportive and continues to take keen interest, providing quality infrastructure, encouragement and unflinching support in growing and marching ahead in all avenues of AJIET's functioning. With the support of you dear parents/guardians we can together achieve the dream that you have for your wards that I can foresee in every child who has entered AJIET. I congratulate the editorial board, who are involved in bringing out this magazine. I am certain that this edition of A J Sparkle will provide a wonderful reading experience to all our readers. With humility and a great sense of pride, I say, Thank You to all who have entrusted their faith and confidence on us as we go forward and continue to seek God's Blessings and impart knowledge into young and innovative minds.

Dr. Shantharama Rai C

B.E, M.Tech, Ph.D, MISTE, MISLE, MIEEE

Principal



From the Vice Principal's Desk



It is a matter of great pride and satisfaction for A.J. Institute of Engineering and Technology (AJIET) to bring out the magazine 'AJ SPARKLE'. The institute has made tremendous progress in all areas academic, non-academics, capacity building relevant to staff and students. I am confident that this issue of the college magazine will send a positive signal to the staff, students and the person who are interested in the Technical education and Technology based activities. A magazine is like a mirror, which reflects the clear picture of all sorts of activities undertaken by an institute and develops writing skills among students in particular and teaching faculty in general. I congratulate the Editorial Board of this magazine who have played wonderful role in accomplishing the task in Record time. I express my deep sense of gratitude to Dr. Shantharama Rai C, PRINCIPAL, AJIET under whose guidance this Technical work has been undertaken and completed within the stipulated time. Also my heartfelt Congratulations to staff members and Students for their fruitful effort.

With Best Wishes.

Dr. Nagesh H.R.
Vice Principal

FROM THE EDITORIAL

“Hard work Performed in a disciplined manner will in most cases keep the worker fit and also prolong his life” – Sir M. Visvesvaraya

Changes are inevitable and every change brings an opportunity for you to flourish if you have mettle to face challenges head on. Once you conquer the difficulties, you become a better person. This world is full of complexities but you have the ability to turn all hurdles into positive outcomes by strong will power to succeed and application of efforts in the desired direction. This magazine is a platform to exhibit the literary skills and innovative ideas of faculty and students. Sparkle 2020 presents the achievements of students and contributions of staff members. We profusely thank the management for giving support and encouragement and a free hand in this endeavour. We express our heartfelt thanks to our beloved Principal Dr. Shantharama Rai C. for his constant support and guidance. A special word of thanks to staff and students who have generously contributed to A.J. Sparkle 2020. We record our sincere thanks to our advertisers, Printers and all those who have directly or indirectly helped us in bringing out this edition.

'Have great times ahead'

EDITORIAL BOARD



Sitting L-R: Dr Shobhitha Shetty, Mrs Prafulla Kumari, Dr Nagesh H R (Vice Principal), Dr Shantharama Rai C (Principal),
Dr Sankappa Rai, Dr Sadananda Kumar, Dr Rithin Kumar.
Standing L-R : Santhosh, Vikitha Shetty, Nishchitha, Sahana, Akshatha , Pratheeksha

ANNUAL REPORT

A.J. Institute of Engineering & Technology is started in the academic year 2016-2017, with five Engineering branches, 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.

All the engineering courses are approved by AICTE recognized by Govt. Of Karnataka and affiliated to Visvesvaraya technological university. Department of Physics, Department of Chemistry and Department of Mathematics has been recognized as VTU research centre. More than 53 research papers in various national and international journals and conferences have been published by our faculty during the academic year 2019-20.

We are happy that Dr. Suman K, Associate Professor & HOD of Civil department was awarded with the Ph.D. degree during this academic year from NITK Surathkal for her research work.

Dr. Nagesh H R, HOD of Information

Science & Engineering was appointed as Vice Principal of the college in the month of January 2020.

Dr. Shantharama Rai C, Principal of AJIET was nominated as Vice Chancellor's nominee to the Governing council of GSSS institute of technology for women Mysuru. For quality education & smooth running of the college different internal committee was formed and to bring out the hidden talent of individual towards the society such as college academic committee/IQAC, students welfare committee, anti-ragging squad, hostel committee (boys), hostel committee (ladies), 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, technical / research & development committee, NSS/ sports /red cross committee etc. Institute has separate Advising / Counseling system, where each class is allotted with one senior professor as advisor to take care about daily activities of respective class. Each 10 to 12 students are monitored by one teaching staff as

their academic counselor so that it helps the students in professional development as well as to address various issues.

College forces on grooming the students towards placement, for which weekly two hours are allotted for English communication training and confident building along with students activates regarding technical issues of engineering like quiz, pick and speak, paper presentation etc.

College has established Women's welfare Committee (WWC) to make sure that every women student and staff experiences a safe environment. Committee is

established to address academic/non-academic issues related to women.

Website and Networking Committee take the responsibility of Developing and Monitoring ERP system and website.

Students are provided with different platforms to boost their confidence. Competitions such as fine arts, literary, cultural and technical events are organised by Cultural and literary committee to provide opportunities to the students to come up with their hidden talents. Committee also encourages students to participate in various inter college competitions organised by other institutions.

Achievements of students in intercollegiate technical events at various colleges:

Branch	Students Name	Event	Event Name	College	Prize
CSE	Shraddha Shetty	Behind the Mask	Technofia-20	Alva's Institute of Engineering & Technology, Moodabidre	I
CSE	Hitesh Kumar	Hachathon	Akriti- 2020	Canara Engineering College Benjanapadavu	I
CSE	Sethu S. Pillai	Pichards	Envision 2020	SIT Valachchil	II
CSE	Sethu S. Pillai	Cognizance	Envision 2020	SIT Valachchil	I
CSE	Keith Lennor Veigas	24hrs Hackathon	Yi InnovIndia 2020	Government of India	I
CSE	Keith Lennor Veigas	IT quiz	Joshiana- 10	St Joseph Engineering College	I
CSE	Keith Lennor Veigas	IT quiz	Envision-20	SIT Valachchil	I
CSE	Keith Lennor Veigas	Quiz	Envision-20	SIT Valachchil	I

CSE	Keith Lennor Veigas	Paper Presentation	Envision-20	Alva's Institute of Engineering & Technology, Moodabidre	I
CSE	Shashank S Mayya	IT quiz	Joshiana- 10	St Joseph Engineering College	I
CSE	Shashank S Mayya	Quiz	Sambhram - 20	Shree Devi Institute of Technology	I
CSE	Shashank S Mayya	Digital Poster Making	Sambhram - 20	Shree Devi Institute of Technology	I
CSE	Shashank S Mayya	Technobuzz	Envision-20	SIT Valachchil	I
CSE	Shashank S Mayya	Hackathon	Akriti - 20	Canara Engineering College Benjanapadavu	I
CSE	Karthik V Bhat	Pilchards	Envision-20	SIT Valachchil	II
CSE	Karthik V Bhat	Hackathon	Envision-20	Canara Engineering College Benjanapadavu	I
CSE	Keith Lennor Veigas	Chanakya IT -quiz	College fest	Sahyadri College of Engineering & Management	I
CSE	Shashank S Mayya	Chanakya IT -quiz	College fest	Sahyadri College of Engineering & Management	I
CSE	Sethu S. Pillai	Paper Presentation	Technofia- 20	Alva's Institute of Engineering & Technology, Moodabidre	I
CSE	Keith Lennor Veigas	Paper Presentation	Technofia- 20	Alva's Institute of Engineering & Technology, Moodabidre	I
CSE	Sethu S. Pillai	Bid-Buzz	Technofia- 20	Alva's Institute of Engineering & Technology, Moodabidre	I
CSE	Shashank S Mayya	Inquest	Technofia- 20	Alva's Institute of Engineering & Technology, Moodabidre	I
CSE	Keith Lennor Veigas	Questionaria	Sambhram - 20	Shree Devi Institute of Technology	I
CSE	Keith Lennor Veigas	Digital Poster Making	Sambhram - 20	Shree Devi Institute of Technology	I
CSE	Shashank S Mayya	Techno-buzz,	Envision-20	SIT Valachchil	I
CSE	Shashank S Mayya	Techno-buzz,	Envision-20	SIT Valachchil	I
IS	Kathijiathhul sana	Tech hunt	Technofia- 20	Alva's Institute of Engineering & Technology, Moodabidre	I
IS	Fathima	Tech hunt	Technofia- 20	Alva's Institute of Engineering & Technology, Moodabidre	I
IS	Archana Rashmi	Fear mask	Envision-20	SIT Valachchil	III

IS	Shreya	Scrap Sculpture	Envision-20	SIT Valachchil	I
IS	Chandan	Treasure Hunt	Sambhram - 20	SIT Valachchil	I
IS	Amritha	Scrap Sculpture	Envision-20	SIT Valachchil	III
IS	Loran Rhia D'Souza	Scrap Sculpture	Envision-20	SIT Valachchil	III
IS	Amritha.N	Scrap Sculpture	Envision-20	SIT Valachchil	III
IS	Dwithi	Scrap Sculpture	Envision-20	SIT Valachchil	III
IS	Sudish	Fear mask	Envision-20	SIT Valachchil	I
EC	Meghana Shetty	Paper Presentation	Sambhram- 20	Shree Devi Institute of Technology	I
EC	Suhan	Paper Presentation	Sambhram- 20	Shree Devi Institute of Technology	I
EC	Akshay	Paper Presentation	Sambhram- 20	Shree Devi Institute of Technology	I

AJIET Throw Ball team participated in VTU inter collegiate throw ball tournament held at Sahyadri College of Engineering and management Adyar, Mangalore on 03/10/2019. Our College Athletics team participated in VTU Athletic meet at Gurunanak Engineering College, Bidar on 22/10/2019. Shashank of II B.E – Civil, participated in 400 mtr and secured Fifth place. Our College Cricket team participated in Intercollegiate Cricket Tournament organized by Sahyadri College of Engineering and management Adyar, Mangalore on 03/03/2020.

TO bring out the Hidden innovative, technical talent of our students, each department is encouraging the students to exhibit the project work in different areas and as a outcome of this effort the following projects have been implemented by our students such as Confab, Distimeter, Hang man etc. In addition, the department of CSE conducted "ENIGMA" mini project exhibition for final year and pre final year students.

Institution has conducted different programs during this year:

The workshop on Artificial Intelligence and its application to Image Recognition and Classification was conducted for the final year ECE students of AJIET, Mangalore on 24/07/2019 by Dr. Ram Prasad Poojary, Associate Professor, MAHE, Dubai-UAE.

The department of Civil Engineering in association with Department association TEAM RESILIANCE had conducted Workshop on "RIVET ARCHITECTURE" for Final year Civil Engineering Students on 26/07/2019, at A. J Institute of Engineering and Technology, Mangaluru. ER. A. KALAIARASAN, Senior Engineer, CADD Centre training Service Pvt .ltd, Chennai was the Resource person and trainer for the Workshop. Workshop on "MANAGING TOOLS AND PROJECTS IN AUTOCAD" was conducted for second and third year Civil Engineering Students from 31/07/2019 to 03/08/2019. Ms. Janhavi, Head of 'DIGICADD institute of drafting and design', was the Resource person and trainer for the Workshop.

ELECTROVERTZ - 2019, Student Association of Electronics & Communication Engineering department of AJIET was inaugurated on 14/08/2019 by Mr Anand D'Silva, Associate Director, DXC Technology. The mission of the program is to provide a competitive platform for the innovative minds of the students and help them expose to the outer world.

NSS/Redcross committee unit of our institute organized Independence Day Celebration on 15/08/2019. Orientation day Program for First year B.E Students was held on 19/08/2019 at A J Institute of Medical Science Auditorium. Dr. A J Shetty, President of Laxmi Memorial Education Trust presided over the function. Mr. Vijay Hegde, Senior Technology Architect Infosys was the Chief Guest. Mr. Prashanth Shetty, Vice President of Laxmi Memorial Education Trust, Mrs. Sharada J Shetty, Director of Laxmi Memorial Education Trust, Mr. Ashritha P Shetty Director of LMET, Dr. Prashanth Marla K, Director of LMET, Dr. Amitha P Marla Director of LMET were the guest of honor.

Association of Civil Engineering students – Team Resilience for the academic year 2019- 2020 was inaugurated on 22/08/2019, Thursday by Er. V R Kowshika, Director, Qcrete Ready-mix (India) Pvt.Ltd. at 2:00 PM in Seminar hall-1.

Workshop on PCB Design was conducted for the students of fifth Sem ECE by Mr. Raghavendra Havaladar. On 26/08/2019. Students were taught how to use Proteus soft to design and develop Printed Circuit Boards for their projects. They were then demonstrated Etching technique using Ferric chloride to fabricate PCB's.

NSS unit of our institute was conducted Vanamahotsava program on 27/08/2019 at 11.am in the college campus. The student and faculty members planted more than 40 saplings of different variety of fruits and shadowed trees.

The Workshop on NBA Accreditation process was conducted on 10/09/2019 In Seminar Hall-1. Onam day was celebrated on 14/09/2019 in the college campus. Fresher's day programme for first year B.E students was organized on 16/09/2019. The main purpose of the Fresher's day was to welcome the new comers into a friendly atmosphere and to cheer their creative impulses to enhance their confidence. It was an entertaining event in which the fresher has an opportunity to showcase their talents.

The departments of Computer Science and Information Science and Engineering jointly organized a three-day hands-on workshop on machine learning. The workshop was conducted from 16/09/2019 to 18/09/2019. Mr. Sachin Kumar S and Mr Vaishnav, Data Science Consultants from Konzepts Data Innovation Labs Private Limited, Thiruvananthapuram were the resource persons. One more 3 day hands on workshop on "*Android Application Development*" was conducted on 23rd, 24th, and 26th September 2019. Mr. Chetan S P, Team Leader at Lemonaid Software Technologies Pvt Ltd was the resource person.

The Department of Civil Engineering at AJIET organised an industrial visit to Nirmithi Kendra – Surathkal, Mangaluru on 20/10/2019 for its second year students.

Two days' workshop was conducted on Mentor graphics and Zed board applications for the final year ECE students of AJIET, Mangalore on 20/09/2019 & 21/09/2019.

Association of Civil Engineering Student Team "Resilience" in coordination with Association of Consulting

Civil Engineers (I), Mangalore Chapter had conducted a Technical talk on 18/09/2019 on account of Engineers Day Er. Ekanath Dandakeri, delivered a Technical session on “Earth Retaining Structures”, in which the different types of retaining structures were explained. A talk on “Advances in concrete” was organized on 18/09/2019 on account of Engineers Day by Dr.Rajesh G D’Souza in which he explained about the meaning of concrete and the difference between cement concrete and concrete in the very interesting way.

The departments of Computer Science and Information Science and Engineering jointly organized a three-day hands-on workshop on machine learning. The workshop was conducted from 16/09/2019 to 18/09/2019.

ELECTROVERTZ, association of Students E & C Egg, AJIET had arranged an invited talk on 01/10/2019 for the students of Electronics & Communication Engineering and Mechanical Engineering. The guest speaker was Mr.Ramesh K Mahadev, CEO, “TRIVIDTRANS”. He shared his experience of participating in various National events like SAE BAHA, Electric Go Kart and FORMULA car event.

A Technical talk by Dr. Kumar G N, Associate professor, Department of Mechanical Engineering, NITK, Surathkal on Basics and Advancement on IC Engines and Combustion for the students of Mechanical Engineering was organized on 23-10-2019.

An Industrial Visit was conducted by ECE department for The students of V Sem to Mangalore Refinery and Petrochemicals Limited (MRPL) on 25/10/2019.

On 26/10/2019, The Electronics and Communication Department of A.J. Institute of Engineering and Technology organized a one-day workshop on “NodeMCU Basics” to the fifth semester students.

One-day workshop on “Cost effective manufacturing and Assembly using CATIA” was organized by Department of Mechanical Engineering for the Pre-final year Students. The resource person for the workshop was Mr. Santhosh Kumar K R, Manager - Business support, Karnataka region, CADD Centre.

Ayudha pooja was celebrated on 05/10/2019 in AJIET in presence of Vice President of LMET Mr. Prashanth Shetty.

Cultural Committee conducted various competitions such as Collage making, Pencil sketch, cooking without fire, singing, Eastern and western Dance from 10/10/2019 to 26/10/2019.

One-Day hands on workshop on Virtual Labs was conducted at NITK, Surathkal on 11/10/2019. Dr. Gangadharan K V addressed AJIET Students. Total 58 students of 2nd year visited virtual lab along with the faculty members.

AJIET Sports committee conducted an Intra Class Volleyball Tournament for Men’s from 22/10/2019 to 02/11/2019. Inter class Cricket tournament was conducted for men’s from 11/11/2019 to 30/11/2019. Inter Class Throw ball tournament was conducted for women’s from 11/11/2019 to 30/11/2019. Inter class Kabaddi Tournament for Men’s was conducted from 04/11/2019 to 09/11/2019.

AJIET Technical committee conducted an Intra college competition on Technical Paper Presentation on 25/10/2019.

One Day visit to Virtual labs at National Institute of Technology, Surathkal was organized for the third semester students of Mechanical and civil Engineering on 14/11/2019. Mr. Likith from NITK Surathkal was the resource person.

An Industrial Visit was conducted by Mechanical Department to Lamina Suspension Products Limited on 15/11/2019 for all the students of third semester.

Department of CSE conducted “Hands on Workshop on Introduction to Docker for Developers” for the students on 20/11/2019. Mr. Augustine Correa, Hackerspace Mumbai & Mr. Prashanth Shenoy, MD-UniCourt Mangaluru were the resource person.

One-day workshop on virtual labs was conducted at aj institute of engineering and technology, mangalore on 09/12/2019 for the students of ise department.

Three staff of department of Electronics and communication engineering, AJIET attended a two-day workshop on “Introduction to Robotics through ELSI Lab” held at Alva’s Institute of Technology on 11/06/2019 & 12/06/2019.

A workshop on Virtual labs at AJIET was organized for the first year semester students of Information Science on 08/12/2019.

The Department of Civil Engineering, AJIET organized an Extensive Survey Camp (17CVP68) for VI semester civil engineering students for the academic Year 2019-2020 from 20/01/2020 to 27/01/2020 as a part of academic curriculum at Durga village, Karkala.

Department of CSE organized industrial visit to Centre for Entrepreneurship, Opportunities and Learning (CEOL), Mangaluru for 4th semester students of CSE.

AJIET staff sports day was organised at A.J Institute of Engineering & Technology, by Sports committee with the help of all staff members on 03/02/2020 which was inaugurated by Mr. Prashanth Shetty Vice President-LMET. AJIET Annual Athletic Meet was held on 29/02/2020 which was inaugurated by Dr. Jayaprakash Director- A J Institute of Management.

Inter class Football tournament for Men was organized at AJIET, by Sports Committee from 17/02/2020 to 26/02/2020.

Womens Welfare committee conducted a self-defence workshop for all female students and staff on 22/02/2020.

An Induction Program-II phase was Conducted for First year BE Students admitted for the academic year 2019-2020 from 10/02/2020 to 15/02/2020.

A Technical Talk by the team members of SOLIC, Mangaluru on basis of Robotics for the students of Mechanical Engineering was organized on 26/02/2020

Department of CSE organized a three days Bridge course on C++, for 4th semester students of CSE prescribed in the VTU syllabus for the subject Object Oriented Concepts (18CS45) from 13/02/2020 to 15/02/2020.

AJIET AAKAR-2020, a two-day state level Techno cultural fest was held at AJIET with the tagline of “Inspiring Minds to Innovate” on 06/03/2020 and 07/03/2020. Yakshamilana, an Intercollegiate Yakshagana Competition was held on 06/03/2020 as a Special event. . AAKAR-2020 was a splendid platform to show off students technical as well as cultural talents. On the first day 06th March 2020, various types of technical events were organized and on the second day 07th March 2020, varieties of Cultural events were organized.

Results

CONSOLIDATED STATEMENT OF RESULTS OF VIII SEM B E AUG/SEPT 2020 EXAMINATIONS				
BRANCH	NO. OF STUDENTS APPEARED	NO. OF STUDENTS PASSED	NO. OF STUDENTS FAILED	PERCENTAGE (%)
COMPUTER SCIENCE & ENGINEERING	39	39	0	100%
CIVIL ENGINEERING	25	25	0	100%
ELECTRONICS & COMMUNICATION ENGINEERING	23	23	0	100%
INFORMATION SCIENCE & ENGINEERING	13	13	0	100%
MECHANICAL ENGINEERING	20	20	0	100%
OVERALL PERCENTAGE	120	120	0	100%

Scholarship (June 2019- June 2020)

SI.No	Scholarship Details	Amount
1	OBC Scholarships	32,26,240
2	Karnataka Minority Corporation	15,03,090
3	Social Welfare Department	60,000
	Total	47,89,330

Library : A well-equipped computerized library, which has more than 12000 volumes of books and subscribes for national and international journals. It also is 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

Staff status : Presently the teaching faculty strength is 71 with 18 PhDs and non-teaching Faculty strength is 60.

Heads of the Various Department



Sitting L-R : Dr. Sankappa Rai B(Librarian), Dr. Sujaya C(HOD-Phy) , Dr. Shantha Kumari(HOD-Matha), Prof Prakash K Shetty(HOD-ECE), Dr. Rajesh Rai(HOD-ME), Mr.Prashanth Shetty(Vice-President, LMET), Dr. Shantharama Rai C(Principal), Dr. Antony P J(HOD-CSE),Dr. Nagesh HR(HOD-ISE), Prof. Vinod T D Souza (HOD-Civil),Dr. Kishore M Shetty(HOD-Chem)

Teaching Staff



Sitting (L-R): Dr. Sankappa Rai B, Dr. Sujaya C, Dr. Shanthakumari K, Prof. Prakaash K Shetty, Dr. Antony P J, Mr. Prashanth Shetty (Vice President), Dr. A J Shetty (President), Dr. Shantharama Rai C (Principal), Dr. Rajesh Rai P, Dr. Nagesh H R, Mr. Vinod T D'Souza, Dr. M Kishore Shetty

Standing Row-1 (L-R):Ms. Sheela Monteiro, Mrs. Snitha Shetty, Mrs. Aparna Shetty, Mrs. Arpitha Shetty, , Mrs. Deeksha Anand, Miss Shobhitha, Miss. Pavithra Shanbagh, Mrs. Sushma, Dr. Sangeetha D M, Dr. Suman Kundapura, Mrs. Thrapthi Shetty, Mrs. Bincy Joseph, Mrs. Shilpa Shetty, Mrs. Saranya Babu,

Standing Row-2(L-R):Mrs. Wilma D'Souza, Mrs. Pratheeksha Rai N, Mrs. Sahana K Adyanthaya, Mrs. Divya A, Mrs. Sharon C D'Souza, Mrs. Prafulla, Mrs. Sharanya P S, Mrs. Vineetha Pais, , Mrs. Madhushree K, Mrs. Vishmitha Shetty, Ms. Meghana Ballal, , Mrs. Vineetha Pais

Standing Row-3(L-R):Mr. Nithin Heraje, Mr. Vijaya Kumar, Mr. Dileep Kumar, Mr. Pradeep Kumar, Mr. Niithesh,Mr. Sreejith, Mr. Basappa Kodada, Mr. Gurudev, Mr. Manju Kiran B,Mr. Prashanth D A Mr. SudheerKini, Mr. Karthik A V, Mr. Kiran Kumar V G, Mr. Prakhyath, Dr. GnaneSwarnadhsatapathi,Mr. Sunil Kumar S, Mr. Prasad B G,

Standing Row-4(L-R):Mr. John Prakash Veigas,Mr saketh Shetty, Dr Vasanth K R,Mr. Sruthin B, Mr Shreyas H, Mr Nikhil, Dr. Rithin Kumar N B,Mr Rakesh MR,Dr. Sadananda Kumar N, Mr. Ragavendra Havaladar, Mr. Chanchal Antony, Mr Mohan A R, Mr. Ganesh U G, Mr. Harold D'Souza, Mr. Nithin Shet,

All Staff Members



Sitting (L-R) : Dr. Sankappa Rai B, Dr. Sujaya C, Dr. Shanthakumari K, Prof. Prakaash K Shetty, Dr. Antony P J, Mr. Prashanth Shetty (Vice President), Dr. A J Shetty (President), Dr. Shantharama Rai C (Principal), Dr. Rajesh Rai P, Dr. Nagesh H R, Mr. Vinod T D'Souza, Dr. M Kishore Shetty, Mr. Krishnappa Bangera
Standing Row-1(L-R): Mrs. Savitha, Mrs. Deepika, Ms. Sheela Monteiro, Mrs. Snitha Shetty, Mrs. Aparna Shetty, Mrs. Arpitha Shetty, Miss. Nishmitha, Mrs. Prajna B, Mrs. Shambhavi, Miss. Pavithra Shanbagh, Mrs. Sushma, Dr. Sangeetha D M, Dr. Suman Kundapura, Mrs. Thrapthi Shetty, Mrs. Bincy Joseph, Mrs. Deepika, Miss Shruthi Shetty, Mrs. Akshatha, Mrs. Vineetha Pais
Standing Row-2 (L-R): Mr. Karthik, Mr. Chethan, Miss. Navya, Mrs. Wilma D'Souza, Mrs. Sahana K Adyanthaya, Mrs. Pratheeksha Rai N, Mrs. Divya A, Mrs. Sharon C D'Souza, Mrs. Deeksha Anand, Miss Shobhitha, Mrs. Prafulla, Mrs. Sharanya P S, Miss. Mahalakshmi, Miss. Maithri Shetty, Mrs. Harshitha M K, Mrs. Saranya Babu, Mrs. Pavithra C, Mrs. Nishmitha, Mrs. Shilpa Shetty
Standing Row-3 (L-R): Mr. Santhosh K, Mr. Vijaya Kumar, Mr. Chirag Takkar, Mr. Pradeep Kumar, Mr. Nithesh, Mrs. Vishmitha Shetty, Mrs. Madhushree K, Ms. Meghana Ballal, Mrs. Geetha Shekar, Mrs. Sowmya, Mrs. Asha, Mrs. Jayalakshmi, Mrs. Yashodha, Mrs. Suneetha, Mrs. VaniAnchan, Mrs. Sharada devi
Standing Row-4 (L-R): Mr. Sreejith, Mr. Basappa Kodada, Mr. Manohar M, Mr. Rakesh M R, Dr. Rithin Kumar N B, Mr. Manju Kiran B, Mr. SudheerKini, Mr. Karthik A V, Mr. Kiran Kumar V G, Mr. Prakhyath, Dr. GnaneSwarnadhsatapati, Mr. Terance M Fernandes, Mr. Santhosh Praveen Veigas, Mr. Prasad B G
Standing Row-5 (L-R): Mr. Nithin Heraje, Mr. John Prakash, Mr. Saketh Shetty, Dr. Vasanth K R, Mr. Shreyas H, Mr. Dileep Kumar, Mr. Nikhil, Mr. Gurudev, Mr. Prashanth D A, Dr. Sadananda Kumar N, Mr. Raghavendra Havaladar, Mr. Chanchal Antony, Mr. Sachin, Mr. Jayaram Shetty, Mr. Abhijith, Mr. Avinash, Mr. Herold, Mr. Nithin Shet
Standing Row-6 (L-R): Mr. Janardhana, Mr. Lohith, Mr. Karthik, Mr. Rohith Kumar, Mr. Sruthin, Mr. Mohan A R, Mr. Ganesh U G, Mr. Sudhakar, Mr. Ajay D'Souza, Mr. Chandrakanth, Mr. Tharanath.

All Non teaching Staff



Sitting L-R: Mrs Akshatha, Santhosh, Ajay, Dr Sankappa Rai, Mr Krishnappa (A.O), Mr Prashanth Shetty (Vice President), Dr Shantharama Rai C (Principal), Terrence, Chirag, Mrs Geetha, Mrs Harshitha
Standing L-R (Row-I): Savitha, Soumya, Vani, Jayalaxmi, Yashodha, Asha, Navya, Shambavi, Prajna, Deepika, Sharadha, Nishmitha, Mahalxmi, Chandrakala, Pavithra
Standing L-R (Row-II): Karhik, Janardhan, Karthik, Rohith, Santhosh, Jayaram, Abhijith, Sudhakar, Tharanath, Chandrakanth, Lohith

Office Staff



Sitting L R : Mrs. Geetha, Mr. Chirag, Dr. Shantharama Rai C (Principal), Mr. Krishanappa, Mr. Rohith

Standing L R : Janardhan, Chethan, Karthik, Sowmya, Nishmitha, Pavithra, Dipika, Sharadha, Jayalakshmi, Yashodha, Asha.

Humanity and Library Staff



Sitting L R : Mr. Manohar, Dr. Sankappa Rai, Dr. Shantharama Rai C (Principal), Ms. Sheela Monteiro

Standing L R : Karthik K, Mrs. Yashodha

DEPARTMENT OF TRAINING & PLACEMENT DEPARTMENT

“Always have a positive attitude in life...There is something positive in every person. Even a non-functional clock is right two times a day “

Optimism backed with conviction drives us at the placement department of A. J. Institute of Engineering & Technology. Optimism about achieving our stated goal of achieving maximum placements and conviction regarding the process which we have built to help us achieve this goal.

Campus placements provide the students with a foot-in- the-door opportunity, enabling them to start off their career right after they have completed their course curriculum. Furthermore, they get to interact and engage with the industry professionals during the placement drives, which further help lay a foundation for their prospective career in the future.

AJIET has an active training and placement cell, catering to the needs of our outgoing students. With support pouring in from all stakeholders, we have been able to make giant strides in the Training & Placement Department leading to more corporate visits and better opportunities for our aspiring engineers.

We share a wonderful relationship with industry as they continue to seek our assistance in various projects where our students participate actively. We encourage all private and government sector companies to participate in the recruitment process and we are sure that the students recruited will play pivotal role in the growth of the respective organizations.



Mr. Vivek Ranjan Bhandary, B.E, MBA
Placement HOD



Ms. Meghana Ballal, B.E
Placement Officer

At AJIET the campus recruitment is completed in following different steps:

- The placement department sends placement invitation letters to the companies enclosing a brief summary of the courses available at our institute.
- The company confirms campus visit along with a brief company profile, job profile and details about campus recruitment drive.
- The company can visit the campus for a Pre-Placement Talk either before the selection processes or can combine it with the final recruitment.
- On receiving information file, the placement office announces the requirements of the company, and undertaking registration of students participating through the departmental placement coordinators.
- The company conducts the placement drive.
- Results are announced and all stakeholders are informed about the same.

Our Infrastructure**Seminar Hall****Interview Cahins****GD Rooms****Online Test Labs**

Activities

The department interacts with reputed organizations all over the country for arranging campus interviews for the placement of final year students. Industrial Visits to reputed companies are arranged to know more details about industrial activities. It also enhances the soft-skill capability of the students through regular training programs. The department counsels the final year students for their higher studies and for getting projects from industries.

Some of the other activities at the T & P Department are as below:

- Training on Aptitude, Technical & Soft skills is arranged for students across semesters.
- Counselling / mentoring sessions for final year students are conducted.
- Interfacing with experts from the industry to bridge academia–industry gap.
- MOU's with corporate houses leading to student exposure and internship opportunities.

Goals & Objectives

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 Officer 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 counselling 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.



Placement Activities through the Lens



Agrima Roof & Façade Systems Placement drive



Infosys Campus Drive



Wipro Campus Drive



Juego Studios Pvt Ltd. Campus Drive



IBM India Pvt Ltd. Campus Drive



Code craft Technologies Campus Drive

And Many More!!!!!!

Thanking our Recruitment Partners



1st Batch Placed Students Details

Company Name	Student Name	Branch
Juego Studios	Shashank H	CSE
Juego Studios	Savyashree	CSE
Juego Studios	Manishraj	CSE
Juego Studios	Deekshith K	CSE
Tata Consultancy Services	Manishraj	CSE
Tata Consultancy Services	Alex G James	CSE
Robosoft Technologies	Shreya V R	ISE
Jaro Education	Mohammed Ashab	CSE
IBM	Zuha	CSE
IBM	Glen	CSE
IBM	Varsha Shetty	CSE
IBM	Jennifer	ISE
IBM	Mrinal	ISE
IBM	Meghana Shetty	ECE
IBM	Ankitha Y	ECE
Codecraft Technologies	Atish Rai	ISE
Codecraft Technologies	Ranjith B N	CSE
HashedIn Technologies	Deekshith K	CSE
Chibber Constructions	Muneeb	Civil
Chibber Constructions	NazimUllal	Civil
Manipal Technologies	Rithiksha Shetty	ECE
Manipal Technologies	Prashanthi Shetty	ECE
Infosys	Sampreetha J	CSE
Infosys	Chiranthan	CSE
Infosys	Glen	CSE
Infosys	Aditya Bhat	ECE
Infosys	Suhan K	ECE
Capgemini	Sampreetha J	CSE
[24]7.ai	Hitesh Kumar Siwan	CSE
[24]7.ai	Adhya Rai	CSE
[24]7.ai	Anvitha Rai	CSE
[24]7.ai	Srujana	CSE
[24]7.ai	Simi Shetty	ISE
Wipro	Nayana Krishna	CSE
Wipro	Astle	CSE
Wipro	Chiranthan M V	CSE
Wipro (Phase 2)	Athish Rai	ISE
Syndicate Tech	Ramya	CSE
DXC Technologies	Ashika Sab	CSE
DXC Technologies	Prajwal	CSE
DXC Technologies	Ishwarya Lakshmi	CSE

Company Name	Student Name	Branch
DXC Technologies	Ashwitha	CSE
DXC Technologies	Ramya	CSE
DXC Technologies	Dhanush	ECE
DXC Technologies	Anushri	ECE
DXC Technologies	Poornashree	ECE
SilverPeak Global	Devika	ISE
SilverPeak Global	Rahisha	ISE
SilverPeak Global	Salabha	ISE
SilverPeak Global	Shreya Shetty	ISE
SilverPeak Global	Simi Shetty	ISE
SilverPeak Global	Ashika Sab	CSE
SilverPeak Global	Ashwitha	CSE
SilverPeak Global	Ishwarya Lakshmi	CSE
SilverPeak Global	Ramya	CSE
SilverPeak Global	Anvitha Rai	CSE
SilverPeak Global	Adhya Rai	CSE
SilverPeak Global	Srujana	CSE
SilverPeak Global	Shrijal	CSE
SilverPeak Global	Vishal Shet	CSE
SilverPeak Global	Nayana Krishna	CSE
SilverPeak Global	Anusha	MECH
SilverPeak Global	Ashith	MECH
SLK Software	Dhanush	ECE
Amazon	Punith Raj Naik	MECH
Nettfish Networks Pvt Ltd	Vishal Shet	CSE
Ribbon Communications (Telecom R&D Company)	Meghana Shetty	ECE
Ethnus	Prithvi M S	ISE
Agrima Roof & Façade Systems	Abhilash T J	Civil
Agrima Roof & Façade Systems	Ashika Pai	Civil
Lancelot Technology	Megha P A	Civil
Lancelot Technology	Salabha	ISE
Vee Technologies Pvt Ltd	Gagan B M	ECE
Vee Technologies Pvt Ltd	Meghana K S	ECE
Vee Technologies Pvt Ltd	Tanvi Shetty	ISE
Vee Technologies Pvt Ltd	Anusha	MECH
Qspiders	Ishwarya Lakshmi	CSE
Qspiders	Ashika Sab	CSE
Diya Systems Pvt Ltd.	Gagan B M	ECE
Diya Systems Pvt Ltd.	Meghana K S	ECE
Diya Systems Pvt Ltd.	Ankitha Y	ECE
Diya Systems Pvt Ltd.	Anushri	ECE
7Edge Pvt Ltd	Vishal Shet	CSE
Juego Studios	Akshay Shetty	ECE
Diya Systems Pvt Ltd.	Rahisha	ISE
Diya Systems Pvt Ltd.	Chirag Bhat	ECE

DEPARTMENT OF CIVIL ENGINEERING

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 undergraduate courses (B.E) in Civil Engineering with an intake of 60 and Affiliated to VTU Belagavi. Department has got experienced and highly dedicated faculty members. Nowadays, a tremendous increase in demand for resources and an acute shortage is like a double-

edged sword. Codes and construction practices are emphasizing durability to cope with the situation. Hence, the UG curriculum strikes a balance between Engineering fundamentals and applications, 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 Civil Engineering has got a broad scope in National and International level. Scope of Civil Engineers recruitment at reputed companies is very high. As an entrepreneur, young Civil Engineers can design and build safe, stable and economic structures. This ultimately helps in the national and economic development of the country

Vision

To be a centre of excellence in Civil Engineering education and research, empower individuals' lives to professionally competent and highly qualified to meet the needs of global challenges and market demands, and partnership for community development.

Mission

- To impart students a strong theoretical and practical skills through the state-of-the-art concepts and fundamentals of various Civil Engineering subjects.
- To prepare the students to be competent and skilled enough to take the challenges in Research, Consultancy and Entrepreneur to meet society's ever-changing needs and continue learning their discipline.
- To promote active learning, critical thinking, collaborative activities and contribute to social development with ethical values.

Faculty and Staff



Standing (L-R): Mr. Saketh Shetty, Mr. Nithesh, Mr. chethan, Mr. Lohith, Dr. Suman K, Ms. Shruthi Shetty, Ms. Shambhavi.

Sitting L-R : Mr. Nikhil, Mr. Dileep Kumar, Prof. Vinod D'Souza (HOD), Dr. Shantharama Rai C(Principal), Mrs. Deeksha A, Dr. Sangeetha D M, Mrs. Madhushree M.

Final Year Students



Sitting L-R- Dr.Sangeetha D M, Mr.Madhushree, Mrs.Deeksha Anand, Mr.Viond T D'Souza, Mr. Prashanth Shetty (Vice President, LMET), Dr.Shantharama Rai C (Principal),Mr.Dileep Kumar, Mr.Nikhil , Mr.Divyesh G M.

Standing (I Row,L-R): Mr. Ismail NazimUllal, Mr.Abilash T J, Mr.Saith Shetty, Mr.Rohan Lawrence, Mr.Akhil, Mr.AboobakerMuneeb Ali, Ms.Milan Benny, Helan Rose, Ms.Salma Imamsab Jigalur, Ms.Mahima, Ms.Ashika Pai, Mr.Yogeshaswamy, Mrs.Shambhavi.

Standing (II Row,L-R): Mr.Swasthik,Mr. Ibrahim NazeemShakibu,Mr.PramodaSiddappa, Mr.Anuragh, Mr.Ashish V, Mr.Adarsh Shetty, Mr.Lohith.

Student Achievements

Academic Year	Student Name	Event	Date	Prizes
2019	Mr. Shashank Devadiga	Participated in 400 m Running, VTU Level	2019-10-20	4th prize
2020	Mr. Shashank Devadiga	Participated in Long Jump during Annual Sports Meet	2020-02-29	1st Place
2020	Mr. Shashank Devadiga	Participated in 200m during Annual Sports Meet	2020-02-29	1st Place
2020	Mr. Shashank Devadiga	Participated in 400m during Annual Sports Meet	2020-02-29	1st Place
2020	Shashank, Prem Kumar, Nickson George, Vyshak	Participated in 4*100m Relay during Annual Sports	2020-02-29	2nd Place
2020	Nickson George	Participated in Long Jump during Annual Sports Meet	2020-02-29	3rd Place
2020	Prajna	Participated in Javelin throw during Annual Sports	2020-02-29	1st Place
2020	Chethan	Participated in 3000m during Annual Sports Meet	2020-02-29	3rd Place
2020	Mr. Shashank Devadiga	Participated in the event 400m Race in National Cultural and Sports Fest of Manipal Institute of Technology	2020-03-05	3rd Place

Academic Year	Student Name	Event	Date	Prizes
2020	Mr. Saith Shetty	Participated in Techno Cultural Fest "AAKAR 2020" in the event " SLOW BIKE RACE" held at AJ Institute of Engineering and Technology, Mangalore	2020-03-06	2nd place
2020	Ms. Salma I Jigalur	Participated in Techno Cultural Fest ENVISION in the event Mehdka held at Srinivas Institute of Engineering and Technology, Valachil	2020-03-05	Participated
2020	Mr. Shashank M. S	Participated in Techno Cultural Fest ENVISION in the event Mehdka held at Srinivas Institute of Engineering and Technology, Valachil	2020-03-05	Participated

Students Association -Team RESILIENCE



ACTIVITIES

FOUR DAY WORKSHOP ON MANAGING TOOLS AND PROJECTS IN AUTOCAD

The department of Civil Engineering in association with Department association TEAM RESILIENCE had conducted Workshop on MANAGING TOOLS AND PROJECTS IN AUTOCAD for second- and third-year Civil Engineering Students from 31st July to 3rd of August 2019 in CAD Lab, 1st floor in the main building.



ONE DAY WORKSHOP ON RIVET ARCHITECTURE

The department of Civil Engineering in association with Department association TEAM RESILIENCE had conducted Workshop on RIVET ARCHITECTURE for Final year Civil Engineering Students on 26th July 2019, at A. J Institute of Engineering and Technology, Mangaluru. Workshop started at 10.00 a.m. in CAD Lab, 3rd floor in the main building.

TWO DAY WORK SHOP ON RIVET ARCHITECTURE

The department of Civil Engineering in association with Department association TEAM RESILIANCE had conducted Workshop on RIVETARCHITECTURE for second year Civil Engineering Students ON 26th and 27th February 2020. The main objective of this training is to describe building information modelling methodology and its benefit. Ms. Janhavi, Head of DIGICADD institute of



INDUSTRIAL VISIT TO NIRMITHI KENDRA, SURATHKAL

A technical visit to DAKSHINA KANNADA NIRMITHI KENDRA was organized for the Civil Engineering students of third semester. During the visit, the Bio-Digester for Toilet Unit was explained to the students by Mr. Navith, Engineer, Dakshina Kannada Nirmithi Kendra.

TECHNICAL TALK ON EARTH RETAINING STRUCTURES, AND ADVANCES IN CONCRETE

Association of Civil Engineering Student Team Resilience in coordination with Association of Consulting Civil Engineers (I), Mangalore Chapter had conducted a Technical talk on September 18th 2019 on account of Engineers Day, at A. J Institute of Engineering and Technology. Er. Ekanath Dandakeri Sigma Consultant, Mangalore, Dr.Rajesh G DSouza, Principal, Yenepoya Institute of Technology Moodbidiri and office barriers of the Association of Consulting Civil Engineers and Ramco cement were present on the occasion.



TECHNICAL TALK ON ADVANCES IN CONCRETE

Dr.Rajesh G DSouza presented a session on Advances in concrete, in which he explained about the meaning of concrete and the difference between cement concrete and concrete in the very interesting way. He has also explained different types of concrete its importance and applications.



BRANCH INAUGURATION

Association of Civil Engineering students – Team Resilience for the academic year 2019- 2020 was inaugurated on 22.08.2019, Thursday by Er. V R Kowshika, Director, Qcrete Ready-mix (India) Pvt.Ltd. at 2:00 PM in Seminar hall-1. The Civil Engineering Student Association named 'Resilience' was formed with the primary aim of exposing potential civil engineers to the challenges of the profession.

**SURVEY CAMP**

Extensive survey camp was conducted from 20/01/2020 to 27/01/2020 at Durga, Karkala, where students have conducted various survey practical projects which is taught as theory in classroom, which included old tank project, new tank project, highway alignment project, and water supply project.

AYUDHA POOJA

The Civil Engineering Department celebrated the Ayudha Pooja on 5-10-2019 in the Geotechnical Engineering Laboratory in a grand manner. The Students pro-actively decorated the all the Laboratories of the department with flowers and laid beautiful rangoli on the floor. The Goddess Sharadha Mantap decoration was outsourced to the skilled Pooja personals and made ready on the previous day.



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

department was started in 2016 to offer four years under graduation (BE) in computer science. The CSE course has a total annual intake of 60 students and had the maximum demand for student admission in the last four academic years. The CSE department was started following exactly the norms & regulations of AICTE & VTU and has qualified faculty members with excellence research credits in various research domains in computer science.

Professor Dr. Antony P. J. heads the department, and currently, the department has one Associate Professor and eight Assistant Professors and five lab instructors. Three faculty members are already on the virtue of completing their PhD work, and others are also started their research work. The department has published many research articles in various reputed

and peer-reviewed journals, and conference proceedings indexed and achieved in multiple scientific and research databases like SCOPUS/DBLP/SPRINGER/IEEE/ACM etc. The department also organized several technical training programs/workshops/seminars to students and faculties to acquire additional knowledge and skills in various computer science areas. The CSE students participated and won the prizes in various technical/cultural/sports activities organized in multiple organizations. The department has well-furnished and equipped six laboratories for the students to carry out their lab sessions and project works, well-qualified lab instructors maintain these labs.

Vision

To cope with the evolutionary changes in computer science and make the students excel in cutting-edge technology and computer science research to be a part of nation-building.

Mission

- Mould the youth in IT profession by providing quality computer education with excellent teaching and training programs.
- To create an environment so students should acquire knowledge beyond the classroom by setting up a vital industry-institute interaction and learning process.
- To build an active and evolving research environment involving both faculty and students to solve IT-related scientific, technological and nation-building problems.

Faculty and Staff



Standing L-R : Mr. Santhosh, Mrs. Snitha Shetty, Mrs. Aparna Shetty, Ms. Sunitha, Mrs. Prajna, Mrs. Harshitha Shetty, Ms. Mahalakshmi, Mrs. Vani, Mrs. Maithri Shetty, Mrs. Sharanya Babu.

Sitting (L-R): Mr. Pradeep Kumar, Mr. Nithin Heraje, Mr. Basappa KK, Dr. Shantharama Rai C (Principal), Dr. Antony P J(HOD), Mr. Chanchal Antony, Mrs. Sharon D'Souza

Final Year Students



Sitting L-R-Mrs.Vineetha Pais, Mrs.Sharon C D'Souza, Mrs.Snitha Shetty, Mr.Basappa K, Dr.Antony P J, Mr.Prashanth Shetty (Vice President, LMET), Dr. Shantharama Rai C (Principal), Dr. Nagesh HR, Mr. Nithin K Heraje, Mrs. Aparna Shetty, Mrs.Sushma, .
Standing (I Row,L-R)Ms.Shrijal, Ms. Deeksha Shetty, Ms. Ashika Sab, Ms. Ashwitha K T, Ms. Sampreetha, Ms. Nisha, Ms. Ishwarya Lakshmi, Ms.Ashika, Ms.Ramya, Ms.Varsha Shetty, Ms.Zuha Vaseem, Ms.Pooja U, Ms.Savyashree, Ms.Adhya, Ms.Srujana, Ms. Sowjanya, Ms. Mahalaxmi, Mrs. Chandrakala.

Standing (II-Row,L-R): Mr. Sailesh, Mr. Chiranthan, Mr. Rakshith Shetty, Mr.Kishore, Mr. Muhammed Aslam, Mr. Alex G James, Mr. Amandas, Mr. Kiran, Mr. Avaneesh, Mr. Vishal Shet, Mr.B N Ranjith, Mr. Mohammed Ashab, Mr. Shashank, Mr. Hitesh Kumar, Mr. Nayana Krishna P, Mr. Sharath, Mr. Astle Russel Fernandez, Mr. Prajwal.

STUDENT ACHIEVEMENTS

1. Shashank s mayya of the third year has secured 1st place in the event IT QUIZ at the national level IT fest JOSHIANA 10.0 at St.Joseph Engineering college on 26th,27th,September 2019
2. Karthik Bhat,Sethu S Pillai of the third year has secured second place in the event KALAKAAR at national level techno-cultural fest ENVISION 2020 on 4th,5th March 2020 at Srinivas Institute of Technology.
3. Karthik of the third year has secured second place in the event PICHARADS at national level techno-cultural fest ENVISION 2020 on 4th,5th March 2020 at Srinivas Institute of Technology.
4. Sethu S Pillai of the third year has secured second place in the event PICHARADS at national level techno-cultural fest ENVISION 2020 on 4th,5th March 2020 at Srinivas Institute of Technology.
5. Sethu S Pillai of the third year has secured first place in the event COGNIZANCE at national level techno-cultural fest ENVISION 2020 on 4th,5th March 2020 at Srinivas Institute of Technology
6. Karthik V Bhat of the third year has secured first place in the event HACKTHON during AAKRITHI 2020 intercollegiate techno-cultural fest on 27th-29th feb 2020 at Canara Engineering College
7. Shashank S Mayya of the third year has secured first place in the event HACKTHON during AAKRITHI 2020 intercollegiate techno-cultural fest on 27th-29th feb 2020 at Canara Engineering College
8. Shashank S Mayya of third-year secured 6th place in the 2020 Regional Finals of the statewide TCS TECH BYTES organized by the board for IT Educational Standard(BITES) and Tata Consultancy Services
9. Keith Lennor Veigas of third-year secured 6th place in the 2020 Regional Finals of the statewide TCS TECH BYTES organized by the board for IT Educational Standard(BITES) and Tata Consultancy Services
10. Keith Lennor Veigas of third-year secured 2nd place in CHANAKYA IT QUIZ,state-level quiz competition at Sahyadri college of engineering & management on 20th September 2019
11. Keith Lennor Veigas of the third year secured 1st place in the event IT Quiz at the national level IT fest JOSHIANA 10.0 at St.Joseph Engineering College on 26th,27th,September 2019
12. Shashank S Mayya of the third year secured 2nd place in CHANAKYA IT QUIZ,state-level quiz competition at Sahyadri college of engineering & management on 20th September 2019
13. Shradha shetty of the second year has secured 1st place in the event BEHIND THE MASK of TECHNOFIA'20 held on 10,11th March 2020 at Alvas Institute of Engineering & Technology
14. Vishakha of the second year has secured 2ND place in the event KALAKAaR at national level techno cultural fest ENVISION 2020 on 4th,5th march 2020 at srinivas institute of technology
15. Hitesh kumar of fourth year has secured 1ST place the event HACKTHON during AAKRITHI 2020 inter collegiate techno cultural fest on 27th-29th feb 2020 at canara engineering college
16. Sethu pillai of third year secured Second prize in "turncoat debate" for Emparch 2019 zonal contest by district 92 Toastmasters International at Sahyadri College of Engineering and Management

17. Sethu pillai of third year secured Third prize in "Humorous speech contest" for Emparch 2019 zonal contest by district 92 Toastmasters International at Sahyadri College of Engineering and Management
18. Sethu pillai of third year Awarded rupees 10,000 cash prize for getting selected under the top 5 business start up idea award in Karnataka state,organized by Vijay Karnataka (the Hindus) newspaper in association with Gillette 2019-20
19. Sethu pillai,Keith of third year Awarded 1st in Paper Presentation -Alva's Technofia, in National level technical and cultural fest,at -Alva's Institute Of Engineering MARCH 2020
20. Sethu pillai ,Keith Lennor Veigas of third year Secured 1st place for Bid-Buzz competition held in a National level Technical and cultural fest at Alva's Institute Of Engineering
21. Sethu pillai of third year Secured 1st place for Interview Buddy Competition,competition held in a National level Technical and cultural fest at Alva's Institute Of Engineering
22. Sethu pillai ,Keith Lennor Veigas Secured 1st in Paper Presentation at National level technical and cultural fest,-" AJIET AAKAR",
23. Kannan,keith,karthik,shashank has secured 1st prize in 24-hours Virtual Hackathon by Yi InnovIndia-2020 Mangalore region
24. Sethu S Pillai has secured 1st prize in dumbcharads,SAMBHRAM 2020,shreedeve college
25. Roopa s nayar has secured second place in Dumb Art at sambhram 2020 Shreedeve Institute of Technology
26. Karthik V Bhat has secured 2nd place in TikTok at envision 2020,srinivas institute of technology
27. Shashank s mayya,Keith Lennor Veigas has secured second place in INQUEST at Technofia ,Alvas Institute of technology
28. Shashank s mayya has secured second place in national level chess tournament at BMS college Bangalore, January 2020.
29. Shashank s mayya has secured second place in Quiz at SAMBHRAM 2020,shreedeve college
30. Shashank s mayya has secured first place in digital poster making at SAMBHRAM 2020,shreedeve college
31. Shashank s mayya ,Keith Lennor Veigas has secured first place in TECHNOBUZZ,Envision 2020,SIT Valachil
32. Keith Lennor Veigas has Secured 2nd place for Interview Buddy Competition,held in TECHNOFIA National level Technical and cultural fest at Alva's Institute Of Engineering
33. Keith Lennor Veigas has secured first place in digital poster making at SAMBHRAM 2020,shreedeve college
34. Keith Lennor Veigas has secured 2nd place in QUESTIONARIA at SAMBHRAM 2020,shreedeve college
35. Shashank S Mayya has secured 1st place in Best DK Player at Roto Lawyers Cup FIDE Chess Tournament, Dharmasthala,October 2019

Students Association - ENIGMA



ACTIVITIES

Three day hands-on workshop on Machine Learning was organized by department of Computer Science & Engineering from 16th to 18th September 2019 for the final year students. Mr. Sachin Kumar S and Mr Vaishnav, Data Science Consultants from Konzepts Data Innovation Labs Pvt Ltd, Thiruvananthapuram were the resource persons. Mr. Pradeep Kumar coordinated the Workshop.



Workshop on Java Application Development was organized by department of Computer Science & Engineering on 23rd, 24th and 26th September 2019 for the third year students. Faculties of the CS&E department handled the sessions. The workshop was coordinated by Mrs. Sharon D'souza.

Workshop on Android Application Development was organized by department of Computer Science & Engineering on 23rd, 24th and 26th September 2019 for the third year students. Mr. Chetan S P, Team leader, Lemonaid Software Technologies, Pvt. Ltd., Bangalore was the resource person for three days. The workshop was coordinated by Mrs. Sharon D'souza.



“Hands-on Workshop on Introduction to Docker for Developers” was organized by department of Computer Science & Engineering on 20th November 2019 for the final year students. Mr. Augustine Correa from Hackerspace Mumbai, and Mr. Prashanth Shenoy from MD – UniCourt Mangalore were the resource persons.

An Industrial visit to CEOL, Mangaluru was organized by department of CS&E, for the 4th Semester students .Mr. Nithin K Heraje was the Co-ordinator. Ms Meghana Ballal and Mrs Saranya Babu were the staff Co-ordinators.



Technical Talk on Future of IOT And Data Analytics for Indian Scenario The Dept. Of ISE conducted Technical talk on “Future of IOT and Data Analytics for Indian Scenario” by ENIGMA student association on 3rd September, 2019 in Seminar Hall-1. Dr. Kavitha Sooda, Associate Professor, Dept. of CSE, B.M.S. College of Engineering, Bangalore was the resource person.

The Departments of Computer Science and Information Science and Engineering jointly organized a 3 day hands on workshop on “Java Application Development” on 23rd , 24th and 26th September 2019.



The Departments of Computer Science and Information Science and Engineering jointly organized a 3 day hands on workshop on “Android Application Development” on 23rd, 24th , and 26th September 2019. Mr. Chetan S P, Team Leader at Lemonaid Software Technologies Pvt Ltd was the resource person.

The department of ISE organized a three-day hands-on workshop on machine learning. The workshop was conducted from 16th to 18th September 2019. Mr. Sachin Kumar S and Mr Vaishnav, Data Science Consultants from Konzepts Data Innovation Labs Pvt Ltd, Thiruvananthapuram were the resource persons.



A Talk & Demo on “How to Use NPTEL online ” was organized by Department of IS&E Conducted by Mr. Gurudev S Hiremath, Asst Prof, ISE Dept. AJIET, Manglore

A workshop on Virtual labs at AJIET Mangaluru is organized for the first semester students Information Science Engineering (D section) of AJ Institute of Engineering and Technology on 09-12-2019 by Mr Rakesh M R, Asst. Prof ISE Dept and Mr John Prakash Veigas Asst. Prof ISE Dept.



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

The Department of Electronics & Communication (E&C) Engineering in AJIET is one of the highly sought after engineering departments with an intake of 60 students. The department can boast of excellent infrastructure with state of the art laboratories and very dynamic team of experienced Faculty. The course contents and the training are intended to equip the students with the practical skills required in-line with the present scenario in E&C related industries. Once the students reach their final year, they become industry-ready. The department's major thrust areas are focusing upon in

Research and Training are embedded systems, signal processing, VLSI Design, Robotics, Artificial Intelligence and Machine learning, to name a few. The department emphasises practical aspects in various domains of electronics and communication engineering by undertaking mini & major projects, technical talks from eminent personalities of the industries and frequent industrial visits that help in the overall development of budding engineers who shape the future of our country. The Department of Electronics & Communication (E&C) Engineering is also equipped with incubation centre linked with EPITAS.

Vision

To be recognized as a centre of excellence in the region by nurturing the young innovative minds into skillful and ethical professionals to cater to the global industrial and societal needs.

Mission

- To establish state-of-the-art laboratories to facilitate research and innovation to upgrade knowledge and skills.
- To provide industry interaction for training programs on the latest technology
- To provide ethical and value-based education by promoting activities addressing societal needs.

Electronics & Communication Engineering is one of the largest and fastest-growing sectors in the present industrial scenario. We work with equipment that uses minimal amounts of power. The electronics engineer's role is pivotal in realms ranging from toy industry to consumer electronics, from household articles to space/satellite communication. Our course includes theory, design, fabrication, production, testing and manufacture of complex products and systems. We fulfil the requirement of equipment and components for major industries, including medical, automotive, robotic, computer and networking sectors.

Further, the design of data processing systems for communication, including the defence requirements falls under our purview. Department is working under A J Institute of Engineering and Technology, Academic Unit of Laxmi Memorial Education Trust (R). The institute is affiliated to Visvesvaraya Technological University, Belagavi and recognised by All India Council for Technical Education(AICTE), New Delhi. The Department has one professor, two Associate professors and eleven Assistant professors. Our faculty members are highly experienced and dedicated to moulding the students to cope with a competitive career, higher studies and research activities. Faculty members have published many international journal papers, attended many workshops and FDP to impart their knowledge to the student's overall development.

Faculty and Staff



Sitting L-R: Mr Manjukiran, Mr Kiran Kumar V G, Prof. Prakash K Shetty, Dr Shantharama Rai C (Principal), Dr Gnane Swarnadh Satapathi, Mr Raghavendra Havaladar, Mrs Thrapthi Shetty

Standing L-R (Row-I): Mrs Pratheksha Rai, Mrs Sahana Adyanthaya, Mrs Divya, Mrs Arpitha, Mrs Nishmitha, Ms Navyshree, Mrs Savitha, Mrs Deepika

Standing L-R (Row-II): Mr Shreyas H, Mr Shrutin B, Mr Terrence, Mr Sachin, Mr Mohan A R, Mr Ganesh U G.

Final Year Students



Sitting L-R : Dr.Shantha Kumari K, Mrs.Trapthi Shetty, Mrs.Arptha Shetty, Mrs.Prathiksha Rai, Mr.Prakash K Shetty, Mr. Prashanth Shetty (Vice President, LMET), Dr. Shantharama Rai C(Principal), Mr.Manjukiran B,Mr.Raghavendra H, Mr.SruthinB, Mr.Shreyas H.

Standing (I Row,L-R) : Mrs.Savitha , Ms.Navyashree, Ms. Prashanthi, Ms. Poornashree, Ms.Navya, Ms.Manasa, Ms.Prajna, Ms.Aishwarya, Ms.Shreyanka, Ms.Medhini, Ms.Sweedol, Ms.Meghana K S, Ms.Rithiksha Shetty, Ms.Anushri, Ms. Ankitha Y, Ms.Meghana A J, Ms.Megha Kotary, Ms.Meghana Shetty.

Standing (II Row,L-R) : Mr. Suhan, Mr. Gagan, Mr.Akshay, Mr.Nivin, Mr. Dhanush, Mr.Terrance Marian Fernandes.

ELECTROVERTZ STUDENT ASSOCIATION (EVSA)- ACTIVITIES



INAUGURATION OF EVSA-2K19

The Student Association of Electronics & Communication Engineering department “ ELECTROVERTZ - 2K19” of AJIET was inaugurated on 14.08.2019 by Mr Anand D’Silva, Associate Director, DXC Technology. The chief guest, Mr Anand D’Silva, addressed the gathering on the advent of technology in today’s world with his motivational talk.

TECHNICAL TALKS

Technical Talk by Dr Niranjan U.C.

The objective of the talk was to emphasize on the opportunities of start - ups for the growth of budding engineers and also in nation building. Dr Niranjan U.C is a multi-faceted personality with vast experience and knowledge in signal processing. The talk began with briefing about the dedication and hardships that were involved in the initial days of MDN. He gave his view on importance of start-ups and small scale industries in the economic development of a nation. He motivated students to take up assignments and projects in one's area of interest and develop a real time model that eases the life of mankind. He encouraged students to become entrepreneurs, which is only possible by hard work, dedication and passion towards achieving your goal.



Technical Talk by Dr Prashantha Kumar H

A technical talk by the guest speaker Dr. Prashantha Kumar H. from NITK, Surathkal on "BASICS AND RECENT TRENDS IN ELECTRONIC COMMUNICATION" was organised in AJIET Campus. Dr. Prashantha K. H. has vast experience in teaching the UG and PG subjects related to communication at NITK, Surathkal and also at MIT, Manipal. He started the session by giving an introduction to Electronics and Communication, in general. The two methods of communication ie. Analog and digital was the focus of the session. Aspects of modulation and demodulation in analog communication was highlighted to the students.

Technical Talk by Mr. Ramesh K Mahadev

The Guest Speaker emphasized on money management quality of an Entrepreneur and the power of branding of a start-up. He explained briefly about Entrepreneurship and also the pros and cons of being an Entrepreneur. He said that the journey of an Entrepreneur is not easy and requires a lot of focus and a constant effort toward achieving one's goals.



WORKSHOPS



Workshop on AIML, Lidar & IoT

Epitas Makerspace and Innovation Hub at AJ Institute of Engineering and Technology, AJIET, Mangaluru, conducted a two-day workshop on March 22 and 23rd, 2019 in association with Electronics and Communication Department of AJIET. The motive of the workshop was to provide a deep knowledge on various glooming areas of the present industrial domain such as Artificial Intelligence Markup Language (AIML), Lidar and Internet of Things (IOT). The workshop was organized for students of AJIET and other colleges. Around 200 students participated actively in the workshop.

Workshop on AI and its application to image recognition & classification

The workshop on Artificial Intelligence and its application to Image Recognition and Classification was conducted by the department of Electronics & Communication Engineering for the final year ECE students of AJIET, Mangalore on 24th July, 2019 by Dr. Ramprasad Poojary, Associate Professor, MAHE, Dubai-UAE. The objective of the workshop was to emphasize on Artificial Intelligence and its numerous applications in various sectors.



2 day Workshop on Mentorgraphics & Zed board applications

Two days' workshop on Mentor graphics and Zed board applications was conducted by the department of Electronics & Communication Engineering for the final year ECE students of AJIET, Mangalore on 20th & 21st Sept, 2019. The objectives of the workshop were to study and analyse different CMOS circuits using Mentor graphics and to emphasis applications of Zed board

Workshop on NodeMCU basics

A one-day workshop on “NodeMCU Basics” was conducted by the department of Electronics & Communication Engineering. The aim of the workshop was to give hands on experience to use the 'NodeMCU' development board and develop IOT based Home Automation. Workshop was conducted by resource person Prof. Mahesh Y. The students were able to learn to build their own IOT based Home automation and learnt the basics of working with NodeMCU and gained basic knowledge of various Arduino development boards, programming environment, onboard features of NodeMCU: I/O, Analog, PWM, NodeMCU shields. Student's feedback was collected and it suggested that they welcomed this initiative, also they are motivated to explore more in this platform and they are willing to use this board in their projects in future.



Workshop on Artificial Intelligence

Mr Deepak N.V of Epitas, explained the participants about Artificial Intelligence Markup Language (AIML). It is an XML based mark-up language which is used to create artificial intelligent applications. With AIML it is possible to create human interfaces, keeping the implementation simple to program, easy to understand and highly maintainable. Python is one of the most widely used programming languages in the AI. He explained regarding various programming languages and Python programming for Machine Learning or Deep Learning in detail.



AYUDHA POOJA CELEBRATION

Ayudha Pooja celebration was done on 05/10/2019 by EVSA in the basic Electrical lab, in the presence of Principal, Dr. Shantharam Rai, HOD of ECE- Prof Prakash K shetty, HOD's of other departments along with Staff and the students co-ordinated by the DAA Co-ordinator Mrs Pratheksha Rai N. Aayudha Pooja rituals were carried out by the archak in presence of a large number of devotees along with the Bhajana program from the students of ECE. All the labs and department floor was beautifully decorated along with the rangoli as a sign of celebration with the theme of Red, yellow and orange Attire. After the rituals prasadam, sweets and juice were distributed to the devotees.



Cultural Activities

The students of ECE were given a platform to exhibit their talents during the association inauguration. The audience witnessed varieties of cultural performances along with fun-filled games



Industrial Visit

Industrial Visit to JSS Institute of Speech & Hearing, Mysore

The students from 4th year ECE, along with Mr. Manju Kiran and Mrs. Pratheksha Rai N, Assistant Professor, Department of ECE Visited JSS Institute of Speech & Hearing, Mysore.

The main aim of the visit was to know the Application of Electronics & Communication in the field of Speech & Hearing.



Industrial Visit to Vinyas innovative technologies, Mysuru

The students found it very useful and interesting. The students of 4th year ECE along with Mr. Manju Kiran and Mrs. Pratheksha Rai N, Assistant Professor, visited Vinyas innovative technologies, Mysuru. The visit began with an interactive session where they briefed up about the history of Vinyas Innovative technologies, their vision and Mission. The students were shown how products were processed and the procedures before setting up a

Industrial Visit to Mangalore Refinery and Petrochemicals Limited (MRPL)

The students of 3rd Year, ECE, AJIET, Mangaluru visited Mangalore Refinery and Petrochemicals Limited (MRPL) on 25th Oct, 2019. They were then taken for an on-site visit to several manufacturing units. There was also a visit to the control rooms where the operation of the units was controlled by the staff from a remote place. The students were also briefed about the upcoming De-Salination Project under MRPL. Over the Course of the visit the students learnt about different refining units and how various technologies were used to control them. Further the visit was knowledgeable and informative.



STUDENT ACHIEVEMENTS

The student project entitled “VOICE CONTROLLED WHEEL CHAIR” won second place for the best project in AVISHKAR 2020 with a cash reward of Rs 25,000/-. The project was carried out by Aditya Kumar Bhat, Medhini and Aishwarya N G of 4th year with the guidance of Mr. Sruthin Balachandran V V, Assistant Professor, Department of ECE. In addition to this, the project was also Selected under KSCST and was funded with Rs 5000/.



Technical events:

Meghana Shetty, Akshay, Suhan of 4th Year from the department of Electronics and Communication Engineering bagged first place in TECH- INFERNIX Paper Presentation event of Shree Devi Sambhram '20.

Cultural events:

Melisha Nathasha D'Souza of 3rd Year ECE won first place in “Dumb charades” event held at Shree Devi SAMBHRAM '20.

Abdul Rashid Sinan C U from 3rd Year ECE won Second place in Stump by Dump event held at Shree Devi SAMBHRAM '20.

Abdul Rashid Sinan C U & Shubham from 3rd Year ECE won Second place in Hire or fire event held at Srinivas Institute of Technology, Valachil.

Pooja and Deeksha of 2nd Year ECE won first place in Minute to win it event held at Srinivas Institute of Technology, Valachil.

DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

Department of Information Science and Engineering was established in 2016 with the establishment of AJIET, Mangaluru. The department offers a bachelor of engineering programme 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 fulfil the students' academic needs.

Vision

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

Mission

- To impart theoretical and practical knowledge through the concepts and technologies in Information Science and Engineering
- To foster research, collaboration and higher education with premier institutions and industries. Promote innovation and entrepreneurship to fulfil the needs of society and industry.

Faculty and staff



Sitting From L to R : Mr.Rakesh MR, Mr.Gurudev HS, Mr.John Prakash Veighas, Dr.Shantharama Rai (Principal), Dr. Nagesh HR(HOD), Ms.Vineetha Pais, Ms.Bincy Joseph
Standing: (L to R) : Ms Shilpa Shetty, Ms.Sharanya PS, Ms.Smitha, Ms.Prajna, Ms.Harshitha, Ms. Shridevi, Ms.Sushma, Ms. Vani, Ms.Maithri Shetty

Final Year Students



Sitting L-R: Mrs. Sharon C D'Souza, Mrs. Vineetha Pais, Mrs. Bincy Joseph, Mr. Basappa K, Dr. Antony P. J. , Mr.Prashanth Shetty (Vice President, LMET), Dr.Shantharama Rai C (Principal), Dr. Nagesh H R, Mr. Madhu C K, Mr. Rakesh M R, Mr. Nithin K Heraje. .

Standing (I Row L-R) : Mr.Athish Rai, Mr. Swasthik, Ms. Jennifer, Ms. Jenshia, Ms. Shreya V R, Ms. Rahisha, Ms. Simi Shetty, Ms.Tanvi Shetty, Ms.Shreya Ganesh, Ms.Prithvi, Ms. Salabha, Ms. Devika, Mr. Mrinal, Mrs. Chandrakala, Mrs.Prajana.

Student Achievements

1. Mr Chandan Gunaga of II B.E. has secured 1st place in the event 'Pencil Sketch' at the national level fest AAKRITHI at Canara Engineering College during 27th - 29th, February 2020.
2. Mr Sudish of II B.E. has secured 1st place in the event 'Fear Mask' at the Intercollege fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
3. Mr Harshith Kumar S of II B.E. has secured 1st place in the event 'Fear Mask' at the Intercollege fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
4. Ms Kathijathul Sana of II B.E. has secured 1st place in the event 'Tech Hunt' at the Intercollege fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
5. Ms Shreya of III B.E. has secured 1st place in the event 'Scrap Sculptures' at the Intercollege fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
6. Ms Dwithi of II B.E. has secured 3rd place in the event 'Scrap Sculptures' at the Intercollege fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
7. Ms Amritha N of II B.E. has secured 3rd place in the event 'Scrap Sculptures' at the Inter college fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
8. Ms Loran Rhia D Souza of II B.E. has secured 3rd place in the event 'Scrap Sculptures' at the Inter college fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
9. Ms Archana Rashmi of III B.E. has secured 3rd place in the event 'Fear mask' at the Inter college fest ENVISION at SIT, Mangalore during 4th - 5th, March 2020.
10. Mr Chandan Gunaga of II B.E. has secured 2nd place in the event 'Treasure Hunt' at the Inter college fest SABHRAM, at SDIT, Mangalore during 12th - 13th, March 2020.

11. Ms Neha Rao of III B.E. has secured 2nd place in the event 'Dumb arts' at the Inter college fest SABHRAM, at SDIT, Mangalore during 12th - 13th, March 2020.
12. Mr Nihad Abdull of III year B.E. Has won the Runners up in T10 league conducted by Torpedoes Cricket Association under the team of Laxmi Memorial Education Trust.

Students Association- ENIGMA



Technical Talk on Future of IOT And Data Analytics for Indian Scenario



The Dept. Of ISE conducted Technical talk on “Future of IOT and Data Analytics for Indian Scenario” by ENIGMA student association on 3rd September 2019 in Seminar Hall-1. Dr.Kavitha Sooda, Associate Professor, Dept. of CSE, B.M.S. College of Engineering, Bangalore was the resource person.

The Departments of Computer Science and Information Science and Engineering jointly organized a 3-day hands on workshop on “Java Application Development” on 23rd, 24th, and 26th September 2019.



The Departments of Computer Science and Information Science and Engineering jointly organized a 3-day hands-on workshop on “Android Application Development” on 23rd, 24th, and 26th September 2019. Mr.Chetan S P, Team Leader at Lemonaid Software Technologies Pvt Ltd was the resource person.

The department of ISE organized a three-day hands-on workshop on machine learning. The workshop was conducted from 16th to 18th September 2019. Mr Sachin Kumar S and Mr Vaishnav, Data Science Consultants from Konzepts Data Innovation Labs Pvt Ltd, Thiruvananthapuram were the resource persons.



DEPARTMENT OF MECHANICAL ENGINEERING

Department of Mechanical Engineering was established in the year 2016 with the inception of AJIET, Mangaluru. The Department offers undergraduate courses (B.E) in Mechanical Engineering with an intake of 60 and Affiliated to VTU Belagavi. Department conducts various seminars, Technical talks, Industrial visits etc. It is well supported by experienced and highly dedicated faculty members who always motivate students with the latest technological advancements and nourish them to come out with flying colours. The key feature of the Mechanical Department at AJIET is Association of Royal

Mechanical Students (ARMS) which provides a platform to showcase their innovative talents and skills. For the development of students we arranged Guest Lecture, Industrial Visit, Conferences and Technical Competitions. Students of Mechanical department bagged prizes in academics as well in co-curricular activities. Department is actively involved in social activities through ARMS and NSS. Students are trained in various Industry related softwares like FEMAP with Nx-Nastran, Solid Edge, EdgeCAM etc., to take competitive advantage and for better job opportunities.

Vision

To create globally competent mechanical engineers capable of working in an interdisciplinary environment contributing to society through innovation, entrepreneurship and leadership

Mission

To offer a high-quality graduate programme in Mechanical Engineering with value education to the students and respond to societal needs.

To nurture the students with a global outlook for a sustainable future with high moral and ethical values.

To strengthen collaboration with industries, academia and research organizations enrich the learning environment, enhancing research and entrepreneurship culture.

To create awareness about the need for interdisciplinary applications through alumni industry-institution interactions

Faculty and Staff



Sitting : Row 1(L-R): Mr. Vijaya Kumar H. K, Mr. Nithin Shet, Dr. Rajesh Rai P, C, Mr. Prashanth D A, Mr. Sudheer Kini K, Mr. Prakyath

Standing : Row 2(L-R): Mr. Janaradhan , Mr. Karthik A. V, Dr. Sreejith B.K, Mr. Prasad B. G, Mr. Harold J D'souza, Mr. Sunil Kumar, Mr. Ajay D'Souza

Standing : Row 3(L-R): Mr. Santhosh Praveen Veigas, Mr. Sudhakar, Mr. Chandrakantha K, Mr. Tharanath, Mr. Abhijith

Final Year Students



Sitting L-R-Mr.Karthik A V, Mr. Prakyath, Mr. Prashanth D A, Dr.Vignesha Nayak, Dr. Rajesh Rai, Mr.Prashanth Shetty(Vice President, LMET), Dr. Shantharama Rai C(Principal), Mr.SudhirKini, Mr.Nithin Shet, Mr. Naveen, Mr. Vijay Kumar H K.

Standing (I Row,L-R) Mr.AjayD'souza, Mr. Sudhakar, Mr.Varunchand S Suvarna, Mr. Mahammed Ashik, Mr.K M Krishnanand, Mr. Mohammed Suhail, Mr. Muhammed Faizal, Mr.Anu Mathew, Mr.Akhil Thomas, Ms.Anusha, Mr.Vikyath K L, Mr.Akshay George, Mr. HammabbaAnshif, Mr. Santhosh Veigas, Mr. Tharanatha.

Standing (II Row,L-R) Mr .Abhijith, Mr .Sourabh A S,, Mr. Mohammed Faizal, Mr.Praveen I K,Mr.MahammedMufiz, Mr.Anupchandran, Mr.Rasik Ahamed, Mr.Punith Raj Naik, Mr.Ashit Prinston Maben, Mr.Bhushiith B, Mr. Chandrakantha K.

Activities



Cost effective manufacturing and Assembly using CATIA

One-day workshop on “Cost effective manufacturing and Assembly using CATIA” was organized by Department of Mechanical Engineering for the Pre-final Students on 19-9-2019. The resource person for the workshop was Mr. Santhosh kumar K R, Manager - Business support, Karnataka region, CADD Centre.

A Technical talk by Mr. Adithya M D- SOLIC, Mangaluru

The team members of SOLIC, Mangalore on basics of Robotics for the students of Mechanical Engineering was organized on 26-02-2020.

The Session began by welcoming and introducing the Guests to the audience by Mr. Harshith Shetty of 4th sem Mechanical.

The speakers spoke on how they were influenced in the field of Robotics and building Robots. They also briefed the students about their products and the various Robots they have built depending on client’s requirement. They also discussed the challenges faced in the process involved in building a Robot.

Students were encouraged to make a team and take up the task of building Robots. They have also expressed to extend their support to the students for the same.



Technical Talk

A Technical talk by Dr. Kumar G N, Associate professor, Department of Mechanical Engineering, NITK, Surathkal on Basics and Advancement on IC Engines and Combustion for the students of Mechanical Engineering was organised on 23-10-2019.

Industrial Visit

LAMINA SUSPENSION PRODUCTS LTD

40 Students of 3rd Semester along with 2 faculty members' visited Lamina Suspension Products Limited on 15-11-2019 at 11.30 AM. Students were guided by Mr. Sagar Shetty, Engineer, Quality Control. Initially, the safety measures to be followed by the students were informed to the students. The students were taken around the industry to show the various stages that were involved from the processing of raw material to the



finished product. The different stages of operation such as Shearing, Taper rolling, End cutting and Pressing, Manual Rolling, Cambering, Quenching, Shot Peening, Assembly were explained to students as the process was done. Brief details on the business end, raw material supply, the quality determination of raw materials, companies where the products are delivered were given to the students.

ARMS- ASSOCIATION INAUGURATION PROGRAM

The formal inauguration function of Inaugural ceremony of Association of Royal Mechanical Students (ARMS) 2019 -2020 started at 11 AM in the seminar hall Of AJIET, Mangaluru on 16-08-2019. Mr. Sourabh President of ARMS escorted the dignitaries to the dias.

He appreciated the students of AJIET for planning the activities for the academic year 2019-2020. Major Karthik Panchapakesan gave a technical talk on Chaos and Clarity in Automobile industry 2030. Winners of various competition and ex-office bearers of the association was awarded and honoured respectively by chief guest and Principal AJIET.





Sl No.	Student Name	Students Achievement
1	Harshith Shetty, Deepa A S	Presented Paper on ‘Design and Fabrication of Gearless Power Transmission with Elbow’ “ International Conference on “Emerging Trend in Science and Engineering” at SMV ITM, Bantakal on 11 th July 2020
2	Anusha, Ashith P. M., Bhushith, Vikhyath K.L.,	Presented paper on “ Effect of Static Ignition Timing on the Emission and Performance Characteristics of a Four Cylinder MPFI Engine Fueled by LPG” “ National Conference on Proceedings of the 26th National Conference on IC Engines ” and Combustion at NIT Kurukshethra from 01st to 04th November 2019:
3	Mr. Chirag Poonja	Won Best director award during AAKRITHI 19 in Canara Engineering college.
4	Mr. Chirag Poonja, Nihal Lloyd, Sanath Kumar, Vikas P	Won the prize in One Reel held at AAKRITHI 19 in Canara Engineering college, Benjanapadavu.
5	Mr. Chirag Poonja , Nihal Lloyd, Sanath Kumar, Vikas	Won First Place in Light camera action held at Sentia 19 in Mangalore Institute of Technology and Engineering, Mangaluru.
6	Ms. Anusha and Mr. Sourabh A S	First place in Auto Quiz held at Sentia 19 in Mangalore Institute of Technology and Engineering, Moodabidri
7	Mr. Ashith P, Mr. Akhil Thomas and Ms.Anusha	Won First place in CAED venture held at AAKAR-2K19 in A J Institute of Engineering and Technology, Mangaluru.
8	Mr . Vikyath	Won Second Place in Mighty Machinist held at Sentia 19 in Mangalore Institute of Technology and Engineering, Moodabidri.
9	Mr. Vikyath K L and Mr.Ashith P	Won Second Place in Navapravartya-Hobby Exhibition A national level technical fest.

DEPARTMENT OF ENGINEERING CHEMISTRY

The Department of Chemistry endeavours will be utterly relevant by educating engineering students prepared to contribute to a dynamic, technology-centred world. The faculty members serve as role models for sustainable chemical practices, safe and ethical professional behaviour. Also, the department has recognized as a research centre by VTU, Belgavi. The department has experienced and highly dedicated faculty members, including two doctorate holders with vast research experience.



Sitting L R : Mrs. Prafulla K R, Dr. Kishore M Shetty, DR. Shantharama Rai C (Principal), Dr. Shobhitha Shetty.

Standing L R : Mrs. Akshatha Rao, Mrs. Sowmya.

DEPARTMENT OF ENGINEERING PHYSICS

Department of Physics mainly emphasizes providing a platform to nurture the young minds to meet the challenges in present-day technology in this revolutionary world based on physics innovations and principles. After establishment, the department strives hard to achieve excellent results through a synergistic combination of teaching and research. The department also works towards the accomplishment of mission, vision and goal of the institution. Department has also recognized as a research centre by VTU, Belgavi.



Sitting L R : Dr. Sadhananda Kumar, Dr. Sujaya C, Dr. Shantharam Rai C, (Principal) Dr. Rithin Kumar N B.

Standing LR : Jayarama Shetty, Asha

DEPARTMENT OF ENGINEERING MATHEMATICS

The Department of Mathematics has well qualified and experienced staff members. Our faculty members are striving to impart excellent teaching in mathematics. Apart from teaching, the faculty members are actively involved in research in Pure and Applied Mathematics. The Department is recognized as a research centre of Visvesvaraya Technological University, Belagavi and two research scholars are pursuing their PhD, under the guidance of Dr Shantha Kumari. K.



Sitting L R: Ms. Pavithra Shanbagh, Dr. Shantha Kumari K , Dr. Shantharam Rai C (Principal), Mrs. Wilma D'Souza,
Standing L R: Mr. Vasanth Kumar, Mrs Vishmitha Shetty.

ACADEMIC/ACCOUNTS/EXAMINATION SECTION

Academic /Administrative section mainly deals with the students admission process for courses offered by the Institute, conduct of University semester examinations as per the academic calendar and liaison with the University for all matters related to academic such as conduct of examination, announcement of results and issue of Grade sheets and degree certificates to successful students. The section also monitors attendance of the students as per University regulations, identifying the eligible students for scholarships/freeship and release of scholarship and other merit scholarships. Accountants are responsible for the preparation and maintenance of financial records of the Institute.



Sitting L-R: Mrs. Geetha, Mr Chirag, Dr Shantharama Rai C (Principal), Mr. Krishnappa (A.O), Mr Rohith
Standing L-R: Janardhana, Chethan, Karthik, Mrs Vani, Mrs Soumya, Mrs Nishmitha, Pavithra, Mrs Deepika, Mrs Sharadha, Mrs Jayalaxmi, Mrs Yashodha, Mrs Asha

LIBRARY AND INFORMATION CENTRE

The central library of A.J. Institute of Engineering and Technology, Mangaluru was established in the year 2016. The Library has well furnished with separate reading room and various technical sections as per AICTE norms. A well equipped computerized library with more than 12000 volumes of books and subscribes for national and international journals. It also is a subscriber of various magazines and newspapers that cater to the students and staff members' needs and keeps them updated and well informed. To promote reading habits among the students, the library follows an Open Access system that enables students to walk amidst books, browse under the guidance and handle books freely. The books have been classified and catalogued based on Dewey Decimal Classification Scheme. In-house activities of the library are automated, and books are bar-coded. Library collections can be searched through OPAC. Our library team is focused towards providing quality services pertinent to teaching, learning and research activities. The library is also equipped with a National Program on Technology Enhanced Learning (NPTEL) recommended lecture videos and web contents.



Digital Library

The library is equipped with digital library facilities with a subscription to many e-journals and e-books through VTU Consortium and offers online services. Students have access to the library's e-resources anywhere on the campus over the campus-wide network facility



Library Committee

The library committee plays an influential and vital role to run the library efficiently. It takes the process of procurement of the books, Journals as per the recommendations of the departments. From time to time, it reviews the regulations governing the use of the library and disciplinary matters.



Sitting Row 1(L-R): Dr. Sujaya C, Dr. Rithin Kumar N B, Dr. Rajesh Rai P, Dr. Shantharam Rai C (Principal), Dr.Sankappa Rai B., Mr. Karthik kumar

College Extra/Co-Curricular Activites



Orientation Programme



Fresher's day for the first year B.E. students was organized on 16th September 2019.



Ayudha Pooja was celebrated at AJIET in each department on 5th October 2019.



Collage making competition on 'SWACHH BHARATH' was held on 10th October 2019.



Onam day was celebrated on 14th September 2019



Cooking without Fire event was held on - 11th October 2019.



Singing - solo competition was held on 24th October 2019.



Group singing was held on 24th October 2019.



Solo dance Western category competition was held on 26th October 2019.



Solo dance Eastern category competition was held on 26th October 2019.



Group dance Eastern dance competition was held on 26th October 2019.



Group dance Western dance competition was held on 26th October 2019.

Sports Activities

Games and sports make us fit, active, fresh and social. They teach us a lesson of cooperation duty and discipline. Sports can help an individual work in team spirit and also develops a problem-solving attitude towards life. Physical exercise is done through sports. The college has excellent infrastructure for promoting sports for the benefit of students. The campus has facilities for cricket, basketball, football, volleyball, shuttle badminton and throw-ball. Indoor sports such as table tennis, carrom and chess are encouraged. Students at the college take part in Zonal, Inter-zone and Varsity Level Tournaments. The college has hosted University level tournaments such as VTU Mangalore zone intercollegiate Table Tennis Tournament both Men and women.



NATIONAL SERVICE SCHEME (NSS)

The NSS Unit was started in our college in the year 2016. It teaches the spirit of voluntary work among the students and staff members through sustained community interaction. It brings academic institutions closer to society. The Motto of NSS "Not Me but You" reflects the essence of democratic living and upholds the need for self-less service. The NSS scheme aims to develop the students' personality in such a way so that the students emerge as responsible individuals encompassing the virtues of life. NSS volunteers are an asset to society. Students through the NSS activities are involved in actual work not only within the college campus, but also their services extend to neighboring schools and colleges. NSS aims to develop a sense of service, team spirit and dignity of labour. The various programmes conducted by the NSS have brought about a remarkable change in their outlook and attitude towards life and society.



NSS volunteers participated in social service activity conducted by Ramakrishna Mutt, Mangalore

Activities

NSS unit of AJIET is actively involved in the conduction of various programs such as, swachh Bharath Program, awareness program on health & environment, Blood Donation Camp, a celebration of International Yoga Day which helps to the student community and society.



A talk on Banning of Junk food delivered by Dr. Devadas Rai at college premises



Students participated in the collage competition on the topic "Junk food & its effects"



On the eve of 125th anniversary of Swami Vivekananda's Chicago address, A program Vishwa Vijetha was conducted at our institute. During the program the Guest speaker Swami Bhuddidananda maharaja of shri Rama krishna Mutt Mangalore delivered motivational talk to the students.



NSS unit conducted a program Swacchha Bharath during the program Students participated in campus cleaning drive.



Faculty members and students celebrated Vanamahotsava program by planting sapling in the college campus.



“Donate your blood for a reason, let the reason to be life”

NSS unit & Red Cross unit of AJIET Conducted Blood donation camp in association with AJ institute of medical Sciences and Research centre Mangalore at our college campus.

NSS volunteers participated in Panambool Beach cleaning under **Swacchatha Abhiyan** program conducted by Coastal Headquarters Panambool



GYM Facility

“A champion is someone who gets up when they can’t and what hurts today makes you stronger tomorrow.”

Our institute has the best multi gym facility to promote fitness among the students and staff members. Students make use of this facility to maintain health and fitness.



NSS volunteers conducted shramadana program at Govt. Higher primary school, madhya, Surathkal.



RESEARCH AND DEVELOPMENT CELL (R&D)

Research is the backbone of academics. For the promotion of research, the institute has Research and Development Cell. 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 research newly emerging frontier areas, including multidisciplinary fields. This enhances budding technocrats' general research capability by way of participating in conferences, seminars, workshops, project competition, etc.

RESEARCH PUBLICATIONS

Department of Civil Engineering

1. Dr. Sangeetha D.M. "Experimental Investigation on Fibre Reinforced Concrete Using Waste Plastics and Different Mineral Admixtures" IOP Conf series: Material Science and Engineering, Vol 561, Nov. 2019, pp. 102015.
2. Dr. Suman Kundapura "Relative wave run-up parameter prediction of emerged semicircular breakwater" Recent Trends in Civil Engineering pp 867-878, (volume 77)
3. Nikhil N "Planning and Seismic Design of Hostel Building with Soft Storey and Floating Column" International Journal for Scientific Research & Development, Vol. 7, Issue 03, 2019 | ISSN - 23210613

Department of Computer science and Engineering

1. Dr Antony P J "Segmentation and recognition of characters on Tulu palm leaf manuscripts" International Journal of Computational Vision and Robotics, Inder science publisher, Vol. 9, No.5, pp.438-457(2019), Published online: 11 Sep 2019
2. Dr Antony P J "PNN and Deep Learning-based Character recognition system for Tulu Manuscripts" International Journal of Engineering and Advanced Technology, ISSN: 2249-8958, Volume-8 Issue-5, June 2019.
3. Dr Antony P J "Analysis of Malignancy Using Enhanced GraphCut - Based Clustering for Diagnosis of Bone Cancer" Information and Communication Technology for Sustainable Development, Springer, pp. 453-462, 26 June 2019.
4. Dr Antony P J "A Prediction of Core Shear Strength in Sandwich Composites using Deep Learning and Support Vector Regression" International Journal of Engineering and Advanced Technology, ISSN: 2277-3878, Volume-8 Issue-2, July 2019
5. Mrs. Sharon C D'Souza "Model for the flow of CCTV footage supervised machine learning rundown streaming and storage with the use of third party auditing in cloud" International Journal of Advance Research, Ideas and Innovations in Technology, ISSN:2454-132X, Volume 6, Issue1, Jan 2020.

Department of Electronics and Communication Engineering

1. Gnane Swarnadh Satapathi "Genetic Algorithm Based Gabor CNN For Palm print Recognition" International Journal of Recent Technology and Engineering, ISSN: 2277-3878, Volume-8, Issue-6

2. Kiran Kumar V G “FPGA Implementation of Simple Encryption Scheme for Resource-Constrained Devices” International Journal of Advanced Trends in Computer Science and Engineering, 10.30534/ijatcse/2020/213942020
3. Kiran Kumar V G “Implementation of Efficient Cryptographic Arithmetic Units” International Journal of Security and Its Applications, 10.33832/ijasia.2020.14.2.01
4. Kiran Kumar V G “Design and Implementation of Efficient Cryptographic Arithmetic based on Reversible logic and Vedic Mathematics” International Journal of Advanced Trends in Computer Science and Engineering ,10.30534/ijatcse/2020/21922020.
5. Kiran Kumar V G “A Novel Key Scheduling Algorithm for Lightweight Cryptographic Applications” International Journal of Advanced Trends in Computer Science and Engineering, 10.30534/ijatcse/2020/96912020
6. Kiran Kumar V G “Low Power High-Speed Arithmetic Circuits” International Journal of Recent Technology and Engineering ,2277- 3878
7. Kiran Kumar V G “Efficient Implementation of Cryptographic Arithmetic Primitives Using Reversible Logic and Vedic Mathematics” International journal.
8. Thrapthi Shetty “Third Generation Solid State Drive” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019
9. Thrapthi Shetty “Memory Circuits Used in Digital VLSI: Comparison” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue VI, June 2019
10. Thrapthi Shetty “A Study of Different Oscillators: Electronically Tunable Sinusoidal oscillator circuit” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019
11. Mrs. Pratheksha Rai N “A Novel Approach for Prediction Challenges by Statistical Performance Using Artificial Neural Network” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019 | ISSN 2321–2705
12. Mrs. Pratheksha Rai N “A smart way of monitoring health using IOT-A Study” International Journal of Innovative Science and Research Technology Volume 5, Issue 9, September – 2020 ISSN No:-2456-2165
13. Mrs. Pratheksha Rai N “Firefighting Robots Incorporated Using Swarm Technology” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019 | ISSN 2321–2705
14. Mrs. Pratheksha Rai N “Artificial Neural Network for Prediction of Data by Recurrent Neural Network Model” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019 | ISSN 2321–2705
15. Mrs. Pratheksha Rai N “Artificial Neural Network for Forecasting Series Data using Multi-Layer Perception” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019 | ISSN 2321–2705

16. Mrs. Pratheeksha Rai N “An Efficient Steganography for Covert Communication : Secret -Visible Mosaic Image” International Journal of Research and Scientific Innovation (IJRSI) Volume VI, Issue V, May 2019 | ISSN 2321–2705

17. Dr. Shilpa Kamath S. “Performance enhancement of HEVC lossless mode using context-based angular and planar intra predictions” Multimedia Tools and Applications”Vol. 79 No. 17, pp. 11375–11397

18. Dr. Shilpa Kamath S “Pixel wise improvised blend of predictors in HEVC lossless mode” International Journal of Electronics and Communications”Vol. 114

Department of Information Science and Engineering

1. Dr Nagesh H R “A Novel Approach to Optimize the Performance of Hadoop Frameworks for Sentiment Analysis” International Journal of Open Source Software and Processes (IJOSSP), vol. 10, Issue 4. pp 44-59

2 Dr Nagesh HR “.Experimental Study of High-Performance Computing in Three-Tier Architecture for E-Health Care Application” International Journal of Advanced Science and Technology, Vol. 29, No. 7, (2020), pp. 11078-11085.

3. Dr Nagesh HR “A Novel Approach to Optimize the Performance of Hadoop Frameworks for Sentiment Analysis” International Journal of Open Source Software and Processes (IJOSSP), vol. 10, Issue 4. pp 44-59

4. Govindaraj P “A new 2D shape retrieval scheme based on phase congruency and histogram of oriented gradients” Signal, Image and Video Processing 13, pages771–778

5. Govindaraj P A “simple shape descriptor merging arithmetical wrap-around technique with absolute localized pixel differences.” Wireless Personal Communications 1-17

6. Mr John Prakash Veigas “Cloud Computing Adoption and its Impact in India” International Research Journal of Engineering and Technology (IRJET), vol 6, issue 6, pp 3128-3130

7. Mr John Prakash Veigas “Iris recognition system: a survey” International Journal for Science and Advance Research In Technology, June 2019, vol 5 issue 6, pp. 607-609

8. Mrs.Vineetha Pais “Swarm Intelligence A Survey” International Journal of Research in Engineering, Science and Management, Volume-2, Issue-5, May-2019.

9. Mrs. Shilpa Shetty “Real Time Vehicle and Environment Monitoring in Smart Citie” International Journal for Scientific Research & Development | Vol. 7, Issue 12, 2020

10. Mrs. Sharanya P S “An IoT Based Smart Healthcare System Using Raspberry Pi” International Journal of Research and Scientific Innovation (IJRSI)

11. Mrs. Sharanya P S “Real Time Vehicle and Environment Monitoring in Smart Cities” International Journal of Research and Scientific Innovation (IJRSI)

12. Mrs. Sushma “An Image Processing based model for calculating score in Electronics Target System Using Watershed Algorithm” International Journal for research in plied Science and Engineering

Department of Mechanical Engineering

1. Dr. Rajesh Rai P “Optimization of process parameters in surface grinding for AISI 410 by Taguchi technique” American Institute of Physics 2080, 050001 (2019)
2. Dr. Vighnesha Nayak “Effect of Static Ignition Timing on the Emission and Performance Characteristics of a Four-Cylinder MPFI Engine Fueled by LPG” Advances in IC Engines and Combustion Technology. NCICEC 2019. Lecture Notes in Mechanical Engineering International pp 207-237.
3. B K Sreejith, A Sathyabhama “Experimental and numerical study of laminar separation bubble formation on low Reynolds number airfoil with leading-edge tubercles” Journal of the Brazilian Society of Mechanical Sciences and Engineering International 42, 171 (2020).
4. Nithinshet, Karthik AV, Prakhyath “Micro- direct methanol fuel cells: a brief review” International journal of engineering science and computing Volume 9 Issue No 2, 2019
5. SudheerKini K, Rajesh A Shetty, Naveen , Karthik AV, Rajesh Rai P, “A Review on Magneto rheological Behavior of Sandwich Beam” International Journal of Engineering Science and Computing Volume 9 Issue 5, 2019
6. SudheerKini K, “Study on Mechanical Properties of Al 2017 HMMC’s” International Journal of Engineering Research and Technology Volume 7 Issue 7, 2019
7. Prakhyath, Karthik A V “A review on thermal conductivity measurement at lower temperatures” International journal of engineering science and computing, volume 9, issue 1, 2019
8. Prakhyath, Karthik A V “A Review of Heat Transfer Enhancement Techniques in Corrugated Plate Heat Exchanges” International journal of engineering science and computing volume 9, Issue 5, 2019
9. Karthik A V, “Numerical and Experimental Investigation on 2 Phase flow of liquid nitrogen in a flexible transfer line IOP Conference Series” Materials Science and Engineering vol. 502, Issue 1, 2019

Department of Basic Science

1. Dr Rithin Kumar N B “Conductive mechanism of PVA (Mowiol 10-98) Filled with ZnO and MWCNTs Nanoparticles” Bulletin of Materials Science, 42 (3), 124, 2019
2. Dr Rithin Kumar N B “Effect of nanofillers on electrical, mechanical, fluorescent and third-order non-linear optical properties of PVA” Materials Research Express, 6 (7), 075055, 2019
3. Dr Rithin Kumar N B “Promising PVA/TiO₂, CuO filled nano composites for electrical and third order nonlinear optical applications” Optical Materials, 95, 109218, 2019
4. Dr Shobhitha Shetty “Synthesis, characterization and biological screening of Schiff base metal complexes derived from Isoniazid’ Pensee Journal, Volume 50, Issue 12, 2020
5. Mrs. Vilma D’Souza and Dr. Shantha Kumari K “On two identities for I-function” TWMS J. App. Eng. Math. V.10, No.2, pp. 428-433, (2020).

CENTRAL FACILITIES

SMART CLASSROOM

To ensure Quality education at AJIET, we have smart Classrooms technology which has enhanced classrooms that foster opportunities for teaching and learning by integrating learning technology, such as computers, specialized software, audience response technology, assistive listening devices, networking, and audio/visual capabilities. Smart Class Rooms are provided with adequate ventilation, high-speed LAN Connection, multimedia projector, white/black/green board, notice board and electronic podium.



CENTRAL COMPUTER CENTRE



Central computer centre of the institute provides E-connectivity for the students and the teachers. The Institution has 300 MBPS connectivity for its campus through BSNL and provides a secure Internet connection through secured Firewall (unified threat Management system) as its premises. These hardware firewalls safeguard the network from the outside threats and intrusions. The central computer centre has become the institute's prominent component by facilitating computing and internet facilities in the institute campus. The campus-wide computer network controlled by the centre has become a backbone of the institute.

HEALTH CARE

College Health care centre provides a professional, efficient and cost-effective medical care in a comfortable and caring environment. A visiting doctor is available in the campus and needs cases are referred to A.J. Hospital, operating under the direction of a registered nurse. The Health centre offers physical assessments of health problems and primary care for illness and injuries on campus, making appropriate referrals as necessary. It promotes health and wellness through educational programs addressing the needs of the person.



SEMINAR HALL

The institute encompasses three seminar halls, which are designed in a way to accelerate the teaching-learning process using modern technological aids. It is usually used to give presentations, seminars, etc. The seminar halls are fully air-conditioned and media equipped with LCD Projector, HD Sound System, Wi-Fi and LAN. Each seminar hall has a capacity of 250 viewer seats.

AUDITORIUM

A J Institute of Engineering & Technology has a well-equipped three auditorium with over 500 people's seating capacity. The arena is spacious, well ventilated and well furnished. A venue with vast space that serves the varied requirements of quality education. It also provides ample opportunity for our staff and students to exhibit their talents in cultural activities. These auditoriums are a regular venue for conferences, workshops and seminars, and this auditorium has all the facilities to enhance the learning process.

**BOARD ROOM**

The boardroom is designed to support the college's shared governance goals, providing a unique, professionally furnished space for large group meetings. It will be used to host advisory councils, committees and other gatherings.

ERP SYSTEM

ERP is an automated administration and student performance monitoring system. It can be accessed by all stakeholders, students and faculty members to monitor the individual student performance in academic and non-academic activities. It also provides the SMS facility to parents on notifying their ward absentees and performance status and the institute's activities.



CCTV

Our institute is under CCTV surveillance. This facility's primary purpose is to provide safety for the students, staff, and institute by detecting/preventing unauthorized activities inside the campus.



HOSTEL

We have separate, well-furnished hostels with attached bathroom, for boys and girls. A well maintained, hygienic Mess facility is available round the clock. We make efforts to provide our students with a neat and clean environment and a comfortable place to live in but encourage them to live in the discipline. We understand discipline is the key to success and career-building; hence we promote self-discipline among students.

The Wardens and caretakers ensure that the students get a clean, green and relaxed atmosphere. We promote green sustainability inside the hostel premises. In many ways, hostel life defines a student's life on campus, and the experience helps them learn a lot about life and socializing. Life at AJIET hostels comes with its traditions, some of them unique.

AJIET hostel has a separate building for girls and boys and also infrastructure is fastened with amenities like 24 hour power supply, cold and hot water availability, clean and hygienic environment, spacious and comfortable rooms with attached modernized washroom, periodic disinfection of building, mess with dedicated staff, nutritious menu with variety, TV room, study room, indoor games, playgrounds, 24 hours medical facility and many more things inside hostel campus and 24-hour security with CCTV Surveillance.

Living in a hostel presupposes a high degree of integrity, mindfulness, cooperation, open-mindedness, and hard work for the institution's bright future and right image.



CAFETERIA

The spacious college cafeteria provides an experience of delicious multi-cuisine dishes and various food items at affordable rates to the students and the staff members on subsidized rates. It is directly run by the management to give paramount importance to the quality of food and hygiene. It is effectively functioning to satisfy the needs of students and staff members with the food variety ranges from snacks, chats, South / North Indian dishes, fresh juice, ice creams & soft drinks etc. The dining hall is neatly maintained and can seat a large number of students. Both vegetarian and non-vegetarian food is prepared and served in hygienic conditions. It remains open on all college. Working days: A canteen committee is formed to monitor and evaluate the service. This committee consists of students and staff members. All the students and staff members are allowed to visit the kitchen to inspect the quality and hygiene.



LANGUAGE LAB



The language lab is designed to give students a unique and customizable learning experience. During their college study period, efficient teachers would conduct compulsory classes for communication to improve the students' communication skills. They also give introvert and self-conscious students a chance to practice their English in privacy. Our lab has 60 computers and all modern facilities to improve the students' written and oral communication style and skill, which is essential for placements. Students can utilize the lab facilities beyond regular working hours.

ATM Facility



AJIET has automated teller machine (ATM) from Canara Bank in the college premises, which is available around the clock in the campus to benefit students and staff for efficient banking transactions.

TRANSPORTATION FACILITY



A full-fledged Transport department functions in the college with buses to provide transport facilities to students and staff from various Mangalore & Udupi districts. This service is offered to ensure hassle-free and safe transportation.

A red quill pen is shown in a dark, textured inkwell. The quill is vibrant red with a white central vein. The inkwell is dark and appears to be made of glass or stone, with some internal texture. The entire setup is placed on a light-colored wooden surface with a visible grain. The background is a soft, light blue gradient.

Articles and Poems

IMPORTANCE OF MECHANICAL ENGINEERS

Mechanical Engineering primarily deals with the concepts of materials & manufacturing. Today, the branch has emerged as a platform for other emerging technologies to show their applications. The field has also evolved to include Mechatronics Nanotechnology, Composites and Biotechnology. These have crucial implications for developments in the field of Robotics, Electric vehicles, Hybrid and Automotive cars and many more.

The role of Mechanical Engineers varies according to the organization they work for. Their typical area of work includes project assessment, evaluating the performance of mechanical systems, developing and implementing designs and test procedures, Quality control system and ensuring that the equipment is safe, reliable and efficient.

NEW TRENDS AND FUTURE SCOPE:

India is expected to emerge as one of the largest passenger vehicle markets and there will be range of opportunities for Mechanical Engineers in the country is automobile sector.

The massive energy demand in the country is also contributing to the growth in power sector which is one of the most diversified in the world. There is a need for a huge increase in installed capacity of electricity generation. Mechanical Engineers contribute almost 15 - 25 % of the manpower requirement of any power plant. India is also rapidly ramping up its renewable energy capacity which will drive the demand for mechanical engineering graduates as well.

Mechanical engineers are employed in wide range of sectors from small start-ups to fortune 500 companies in the area of Research, Consultancy, Education, Entrepreneurship, Marketing and other interdisciplinary domains. The future of India is in advanced manufacturing. India as a nation has to leapfrog to industry 5.0 worlds. We need engineering students from all branches in the area of 3D printing.

As one of the “primordial” branches of engineering Mechanical Engineers will always remain in demand and employment rate for professionals in this branch is projected to grow at 9% till 2026. There is also expected to be demand in the area of automobile engineering, power generation system and home appliances. The reality is that for India to survive in this world it needs to be a massive manufacturing base. Agreed we are headed to an industry 4.0 world. Where IOT will be pervasive but somebody will still have to make machines. Every computer, every mobile needs core engineering. Without power, world will not run and Without Mechanical Engineering there is no machines.

Dr. Rajesh Rai P
Prof & HOD
Mechanical Engg.



HOBBIES- “If it makes you happy, it’s not waste of time”

“A hobby a day, keeps the doldrums away”! When you find passion in creating something new, doing something colourful, anything which is innovative, then you are having a creative, positive lifestyle.

I always wondered if I could find time for the things I used to love to do, it may be a sketch, may be an acrylic painting or anything which is creative that brings me happiness. It is very important to have a hobby to keep your life interesting.

Did you ever feel that smile you receive, when you gift your beloved person with something you did by yourself- Handmade gifts! We all can buy expensive gifts but nothing beats the happiness of handmade gifts.

I would like to share my hobbies as a passion and inspired by few of my people. Whenever I find colour charts, I get into craft works. The one which I love to do the most is flower crafts. You can use them as your creative home decors.

“Dream catchers”- One of my favorite HOBBY. It is an artwork where you have fun with threads and rings, but the result is just beautiful. It is a handmade willow hoop, on which is woven a net or web. It may include certain items like feathers or beads. There are few techniques for making the web, but its simple that you can come up with your own designs choosing varieties of color combinations. Hanging it on your bedroom gives mesmerising look to your room and it would be just good dreams as the name says. I gifted these for my beloved ones on their special occasions and they seemed to be so happy. Sometimes that smile is worth it.



“Acrylic Paintings”- In the beginning you can try it on drawing sheets and then once you get comfortable, try painting on canvas boards. Your paintings would be always a treat to watch in your rooms, than the one you purchase.



Mehendi Designs”-The aroma and the beauty it gives ,when applied made me interesting to learn the art of drawing Mehendi. Holding the cone and giving the right artistic shape and the fillings are all about it. Though I am not very good at it, but it obviously has been my favourite passion throughout the years.

Though I listed very few of those many hobbies, they are in abundance and you need to opt the right one from your interest and passion.

Hobbies are indeed worthy for good times. It becomes a deep-seated passion to persons without straining their nerves. It combines the joy of discovery with the labor of acquisition. It is gifted with a feeling of achievement.

Thus hobbies release the mind from the tension that affects the really busy people these days. This hobbies are also a stress bursters and contribute a lot to the building of one’s personality. It ought to be encouraged.



Mrs. Pratheksha Rai N
Asst. Professor
Department of ECE

LI-FI TECHNOLOGY

When using wireless internet at any place, whether it is own or stealing from others, one has probably gotten frustrated because of the internet's slow speed when more devices are connected to a single router. Due to the increase of internet users exponentially, Radio Spectrum is congested, but the demand for wireless data double each year. Dr. Harald Haas has come up with a solution for those he calls “Data through illumination”. LI-FI is a new epoch of high-intensity light source of solid-state design which brings clean lighting solutions to general and speciality lighting.

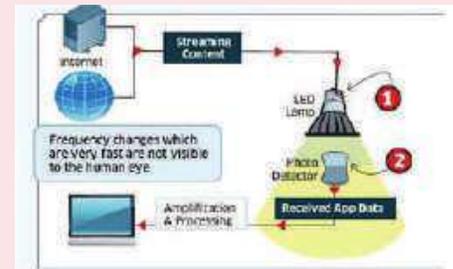
LI-FI is a new technology which uses visible light for communication instead of radio waves. It refers to 5G Visible Light Communication systems using Light Emitting Diodes as a medium to high-speed communication similar to WI-FI. It can conserve a large amount of electricity by transmitting data through light bulbs and other such lighting equipment. It can be used in aircraft without causing any kind of interference. LI-FI uses light as a carrier instead of traditional radio waves as in WI-FI, which means that it cannot penetrate walls, which the radio waves can. It is typically implemented using white LED bulbs at the downlink transmitter. By varying the current through the LED at a very high speed, we can change the output at very high rates. This is the principle of the LI-FI. The LI-FI's working is itself very simple—if the LED is ON, the signal transmitted is a digital 1 whereas OFF, the signal transmitted is a digital 0. By varying the rate at which the LEDs flicker, we can encode various data and transfer it.

Fig: Li-Fi Technology

Li-Fi signals are confined to narrowly-focused 'beams' that do not travel through walls. Moreover, LED lights are natural beam-formers, making it easier to create separate uplink and downlink channels, which essentially means more secure internet browsing. Both tracks have to be 'intercepted' if someone did manage to coerce their way into the same room as us. The LI-FI allows us to the network via a desktop photosensitive unit that works in tandem with an off-the-shelf, unmodified light fixture. The desktop unit has infrared LEDs to communicate in the uplink channel. The LI-FI delivers a capacity of 5Mbps in the uplink and downlink channels, covering a range of up to three meters. It is worth noting here that it has been shown that speeds of up to 10Gbps has been proven with LI-FI too.

With the increasing use of Wi-Fi, the existing radio frequency is getting blocked slowly and simultaneously; many people want to connect to the internet. Wireless radio frequencies are getting higher complexities are increasing, and RF interferences continue to grow. LI-FI technology helps us to overcome these problems. LI-FI uses Visible Light Communication (VLC). Visible light communication is a data communications medium which uses visible light between 400 and 800 THz (780–375 nm). VLC is a subset of optical wireless communications technologies. The technology uses fluorescent lamps (ordinary lamps, not special communications devices) to transmit signals at 10 Kbps, or LEDs for up to 500 Mbit/s.

Low rate data transmissions at 1 and 2 kilometers (0.6 and 1.2 mi) were demonstrated. LI-FI is an emerging technology, and hence it has vast potential. A lot of research can be conducted in this field. Already, a lot of scientists are involved in extensive research in this field. This technology, pioneered by Harald Haas, can become one of the significant technologies shortly. If this technology can be used efficiently, we might soon have something of WI-FI hotspots wherever a light bulb is available. As the available bandwidth is limited, the airwaves are becoming increasingly clogged, making it more challenging to get a reliable, high-speed signal. LI-FI technology can solve this crisis. Moreover, it will allow inter access in places such as operation treaters and aircraft where internet access is usually not allowed



SHREYAS H.
Assistant Professor, CSE



Artificial Intelligence in Healthcare

Introduction

Artificial Intelligence has become a buzzword in the modern technological world. It has made massive progress in the technical field. AI has vast applications in different medical fields, Astronomy, Gaming, Agriculture, Finance, Robotics etc.

AI in healthcare is a term used to describe the application of machine learning algorithms to copy the human cognition in the analysis and interpretation of complex medical data. Artificial Intelligence is used to approximate the conclusions based on the input data.

History

John McCarthy first coined term Artificial Intelligence in the year 1956 at the Dartmouth conference. John McCarthy defined Artificial Intelligence as – “ **Artificial Intelligence is the science and engineering of making intelligent machines**”

In 1960s, researchers produced the first problem-solving program known as **Dendral**. Mainly Dendral was designed for applications in organic chemistry and provided the basis for succeeding system **MYCIN**, which is considered one of the early uses of the Artificial Intelligence in Medical field.

During the 1980s and 1990s, microcomputers were introduced and due to the advancement of the technology, there were new network connectivity levels. During this time, there was a recognition by researchers and developers that Artificial Intelligence systems in healthcare must be designed to accommodate the absence of perfect data and built on the expertise of physicians.

These approaches involved the algorithms such as Bayesian networks, artificial neural networks and fuzzy set theory.

Applications

Diagnose diseases: Machine Learning algorithms can learn to see the patterns similar to the way doctors see them. To understand this machine, learning algorithms need a lot of examples or datasets. Artificial Intelligence is beneficial in areas where diagnostic information is digitized, such as:

1. Detection of lung cancer using Convolution Neural Network based on the CT scans
 2. Detecting the indicators of diabetic retinopathy based on eye images
 3. Detecting the risk of sudden heart attack or other heart-related diseases based on electrocardiograms and cardiac MRI image
- Improvement in gene editing:** Clustered Regularly Interspaced Palindromic Repeats (CRISPR) technique relies on short guide RNAs (sgRNA) to target and edit a specific location on the DNA. But guide RNA can fit multiple DNA locations which can lead to unintended side effects. The selection of guide RNA with the least dangerous side effect is the required task.

Machine Learning models have been proven to produce the best result for predicting the degree of both guide-target interactions and off-target effects for a given sgRNA. This can significantly speed up the development of guide RNA for every region of human DNA.

Electronic health records: Electronic health records (EHR) are crucial to the medical field's digitalization and information spread. Here artificial intelligence is used to interpret the documents and provide new information to the physicians. Algorithms such as Natural Language Processing(NLP) make brief reports limiting the variation between medical terms by matching similar medical words.

Advantages

At present, there is a lot of advancement in both technology and the medical field, that has enabled the growth of medical-related applications of AI, which includes the following:

1. Improvement in natural language processing and computer vision, enables the machines to replicate the human perceptual process
2. Improvements in deep learning techniques and data logs in rare disease
3. Widespread implementation of an electronic health record system
4. Growth of genomic sequencing databases
5. Artificial Intelligence can save time and cost
6. Improvement in computer performance resulting in faster data collection and data processing

Limitations

In Spite, artificial intelligence has a lot of advantages in the medical field, and there are some disadvantages or limitations. These are as follows:

1. There is a lack of personal involvement: Treatment of the patient using the AI technology is entirely logical and it process based on the input, and it doesn't have any feeling towards the patient, so there is a possibility that it may cause some minor error. Interaction between the patient and the doctor also plays an essential role in building trust and treatment process. This one is not possible by using machines.
2. Possibility of defective diagnosis: The accurate diagnosis depends on various data collected from millions of people who have experienced similar symptoms and conditions. To get the appropriate comparison, the database should contain sufficient information about the patients of the particular group. Therefore if there is a lack of knowledge about a person from a specific background, AI can perform inaccurate diagnosis.
3. There will be a rise in unemployment among the healthcare personals as AI will be replacing them.
4. Social prejudices: Artificial Intelligence based on machines cannot fully understand human nature and biased against the patient being diagnosed.

Conclusion

Despite having some risks and challenges, Artificial Intelligence has many advantages that are changing the aspects of the medical ecosystem worldwide. Artificial intelligence-driven tools have already made millions of people's lives, encouraging them to follow a healthy lifestyle.

With such technology at the doorstep, we are entering a new era of healthcare

Abhishek Mankame
I Year, CSE



MUSIC THERAPY

Music Therapy is an established health profession in which music is used within a therapeutic relationship to address physical, emotional, cognitive, and social needs of an individual.

It employs various activities, such as listening to melodies, playing an instrument, drumming, writing songs, and guided imagery. Music therapy is appropriate for people of all ages, whether virtuosos or tone-deaf, struggling with illnesses or healthy.

What is Music Therapy used for?

Music therapy offers people a creative and accessible way of expressing their feelings and processing their experiences. People have used music for its powerful effects on mood and emotions for a long time.

Apart from helping with mental health conditions, music therapy also has numerous other benefits, such as providing a creative boost, expanding knowledge and cultural awareness, and improving cognitive skills such as memory.

How does Music Therapy work?

Music therapy touches all aspects of the mind, body, brain and behaviour. Musician provides a distraction for the mind, slow the rhythms of the body, and alter our mood, which can influence behaviour.

Who can benefit from Music Therapy?

Anybody can benefit from music therapy. The medical field often helps people suffering from emotional health issues such as grief, anxiety, and depression. They also help people address rehabilitative needs after a stroke, a traumatic head injury, or chronic conditions like Parkinson's or Alzheimers disease.

Is Music Therapy Scientifically Proven?

Music is processed in all brain areas and can access and stimulate areas of the brain that may not be accessible through other modalities.

Research shows that music enhances and optimizes the brain, providing better, more efficient therapy and improved cognitive, motor, and speech/language tasks. Studies show that people perform these tasks better with music than without. Research supports parallels between non-musical functioning and music-assisted lessons, which provides a scientific rationale for the musical therapy.

Anirudh M Bhat

Ist year, ECE



A SPARK CALLED CONFIDENCE

Ever since when I was a kid, I always used to have these all kinds of friends around me, some who were extremely smart at many things, yet they never used to talk much. On the other hand, there were another bunch of friends, who were not like the latter yet I found them in almost every extracurricular activity, these were the ones who were first to raise hands whenever the teacher asked us a question. The latter never answered any questions nor participated in any of the activities even though they knew that they could accomplish it very easily. I used to wonder what's the use of all these academic skills without being able to use these skills to redesign the world

Eventually I started to realize that the most knowledgeable and most resourceful students among my class were left behind because they lacked confidence.

Even today as adults Why is it that we all sit behind our phone screen and compared ourselves to something/someone we see online? Why is it that we feel we're not pretty enough when we see someone's posts on Instagram?

I'm sure each one of you reading this has felt the same at some point in life, trust me everyone has, and you're not the only one. It may sound simple but confidence is something that we underestimate the importance of, it's not something that's nice to have. Confidence is something that we all must have, it's the difference between being inspired and actually getting started, between trying and doing. Without confidence we get

stuck, and when we get stuck, we can't even get started. We all operate differently when we're sure that we can do something instead of hoping we will be able to do it.

Confidence is something that keeps us going even if we failed. The main reason why ambitious people are able to bring their dreams to reality is because of the amount of immense confidence and self-trust they have in them.

Confidence helps you grow as a person. Not everyone lacks confidence, this society makes it easier for some people to gain confidence because society rejoices confidence in some people and punishes the same in some others. Some of the best ideas of humanity go unrealized and our brightest dreams go unfulfilled all because of the simple fact that they lacked confidence.

I believe acceptance, society and eagerness are the key factors to instill confidence in each one of us.

It's only when you are accepting yourself you boost the confidence in yourself; it's only when the society nurtures your perspective you realize your dreams and its curiosity that keeps igniting the flame inside you to keep doing what you believe.

Just believe in yourself and be patient with yourself no matter who doubts you and take those small baby steps to get to where you want to be in life!

Ms. Ashika Sardana
I year, ISE



Responsible Students - Revolutionary National Affairs'

“Education is the most powerful weapon which you can use to change the world”

-Nelson Mandela

The backbone of any strong nation is its student force. Students, by virtue for their energy, are best suited for the tough job of building the foundation of a nation. Students have the will power to take any sort of sacrifice for the welfare of a nation. They possess immense energy which if channelized in proper direction can prove to be of great potential. Whenever the honour and freedom of Nation faces danger, it is the student force which comes to the forefront and protects it even at the cost of life. Students are full of enthusiasms and have greater thirst for knowledge acquisition. Student life is not very long. As such, it becomes the duty of students to acquire as much information and knowledge as possible during this short period. Only then, they can prove themselves to be the true and proud sons of their motherland. Students have to build a high quality character during their studies because a Nation is known by the character of its citizens. Students must learn from the very beginning of their education life, the lessons of self-reliance and sacrifice and sympathy towards the causes of Nation building. Even in the classroom, they should live with love & empathy and cooperate with their class fellows. A Nation without disciplined youth is always in the danger of extinction and can never prosper. Indiscipline can play havoc with the social life of a Nation. Today's students will be tomorrow's responsible citizens. As such, if our students inculcate discipline today, tomorrow they will great assets of a country. Thus they can pave the way for building the strong and progressive country in future. They will be the responsible and honourable leaders in the assemblies and the parliament. Such disciplined students will not indulge any public property damage, burning of buses and killing of

innocent people. Disciplined students become literate citizens of a nation. They easily understand the dirty play of politics. They are aware and equipped to keep religion away from politics. They will be proved to be the best voters because they can judge and understand the misuse of various issues by political parties to win votes. Students should also try to follow the path of non-violence because violence leads to terrorism and loss of public property. Students should participate in reforming and contributing towards political stability but not at the cost of their routine studies. This is essential for them to put strong foundation for societal well being. Today's students should equip themselves both mentally and physically so as to make themselves the pillars of our nation. They can build the best work force for the upliftment of the country. Today's students will be required to take the place of present leaders who are going to retire in future. Moreover, today's student will be the best judges to analyse the problems of future. Students have to contribute to control price-rise, unemployment and may lead for pre-test. They have the capacity to spread the message of cooperation and sportsmanship as they learn the same while playing in the sports and games at various levels of education. Students also learn the diversified cultures, people, languages and ways of living under different environments in a country. As such, these students will be the best agents of national unity and integration. Students should learn to adjust themselves to new conditions under various hardships and therefore, they can play better a better role towards nation building.

Sameeksha Shetty
IIIrd Year CSE



LIVE AND LET LIVE

Take care of you and your loved ones, for they shall have a blessed life.

Make sure to expect nothing in return.

Be a person of intellectual not a person of drama.

Spread love, may be just a little lame joke that creates a healthy vibe.

Increase the happy hormone in them the so called oxytocin and improve the bonding of care. Be a person of giving not taking.

Put others above yourself and that's how a true human being, tries to being a human.

Avoid all the situations that cause pain and melodrama, we need more of real people that brings the true spirit out of an introvert.

Don't think your work and good deeds go unnoticed the man above has been watching over you and your soul knows them too.

What goes around comes around.

It's all the calculations that happens around the universe and your good deeds have also been a part of that calculation.

That's the reason you exist today.

You come here with a purpose.

Again I shall repeat take care of you and your loved ones.

The purpose that is the driving force in life.

Let everyone around you be happy. Live and Let Live.

Harshita C Prabhu B
3rd Year CSE



TEACHER

“The one exclusive sign of thorough knowledge is the power of teaching” -Aristotle

There is a very nice story of how students once held their in great esteem. A mighty emperor was asked, “You are a powerful emperor with so much of wealth, a vast kingdom, mighty army. Your teacher is poor & does not own even a piece of land. But still when you meet him, why do you bow down & touch his dusty feet? Why do you sit below him & listen so earnestly, why don't you summon him to the court? The emperor smiled & said “What a fool you are! My teacher is one of the richest men. The land that you talk about can be gained or lost in a war. The might of an emperor lasts only as long as he is young and healthy. The money he has can be spent, looted or destroyed. In no way is an emperor a great man. Look at the teacher. He has knowledge and, every year, he gives it to his students. The more he gives the more he prospers. Nobody can loot his wisdom or his knowledge. No one can take it away by force or violence. He flourishes every year with more & more knowledge. Is he not a great Man? All his students are like his own children & when children prosper, is not the father a wealthy man?

This story shows the respect for the teacher & the teacher's great attachment both to knowledge & to this student. That is reason we Indians place the teacher in the third highest position in the social hierarchy, after the mother & the father.



Shreelatha
3rd Year CSE



Nature's Unconditional love

I love to sit on the ocean shore,
Enjoy the silence, amidst the wave galore.

I love to drive through the colours of the fall,
Green, yellow, orange, red! I want them all.

I love the view from the mountain top,
The stretch seems infinite without a stop,
Touch's my heart and doesn't allow my eyes to stop.

I love the desert with all the sand,
Try tapping some and see it slip through your hand.

I love the valleys and the river it holds,
Lush abundance and beauty galore.

I love winter, icy cold snow,
Light up your fireplace, watch the embers glow.

I love the time when spring blooms,
Fragrance in the air of enthralling perfume.

I love the barricade of dark grey in skies,
Blooming lightening, thunder as the cloud cries.

I love the chilly feel when it rains,
Fresh smell of the earth, like starting all again,
Want to get drenched and feel the cold drops on my skin again.

I Love the golden warmth of the sun,
Powerful enough to drive all the glum.

I Love the silver shadow of the moon glowing to its fullest,
Twinkling stars with a hope of a new day soon.

I Love the cold cuddle from the wind,
Embracing me as lovers entwined.

So many things we all love for free
Unconditional, boundless, accessible and comfortable,
Open your heart, and you know it's no trick
Existing naturally with no boundaries or limit
It's ironic, how we crave for the person on bent knee,
Who binds our heart in their conditional love for eternity

Mrs. Smitha Shetty
Office Superintendent, AJIET



THAT PERSON

We find ourself better to hear from
that person

Who always keeps up the right spirit
to make you better!

We find ourself comfortable with
that person

Who is empathetic for the situation
You are put up in

We find ourself better to learn from
That person

Who teaches you without
Deteriorating, disrespecting or demoralizing
The fact that you didn't know!

We find ourself better with
That person

Who lifts up your mood
Just being simple and humble as you are.

THE POWER OF LIVING

Mrs.Pratheksha Rai N
Assistant Professor
Department of ECE



GIFT OF FRIENDSHIP

You call it friendship,
 You call it affection,
 You call it fondness,
 That draws attraction!
 I don't know what I have for you,
 But talking to you hours,
 Chatting long nights,
 Watching me joyous all the time!
 Your silly talk,
 Your stupid jokes,
 Your useless comments
 Make me crave for more.
 You are neither diamond nor gold
 But an expensive pearl from the shop.
 You are like a blooming flower,
 That grows more and more beautiful.
 I think of you every moment,
 I feel you near me all the time.
 I wish you were with me every day
 As I yearn for you every life of nine!
 You are a pristine heart,
 You are like god's beautiful art!
 "Friendship has no end points"
 "Never forget your friends,
 do turn back in life and remember"

Neha Rao
 3rd year, ISE

**NEVER BE AFRAID**

Never be afraid to fall,
 For even the sun sinks, to mark the dawn,
 Never be afraid to cry,
 For even the ocean weeps,
 Only not to keep the land dry.
 Never be afraid to run,
 For even the wind will chase you,
 When you are trying hard to stand firm on the ground.
 Never be afraid to let go,
 For even the leaf withers,
 To give place to the new ones to grow,
 Never be afraid to be hopeful,
 For there is light at the end of every tunnel.
 Never be afraid to fly,
 For even the bird does when there is wind to resist,
 Never be afraid to dream,
 For ones, imagination has never known boundaries.

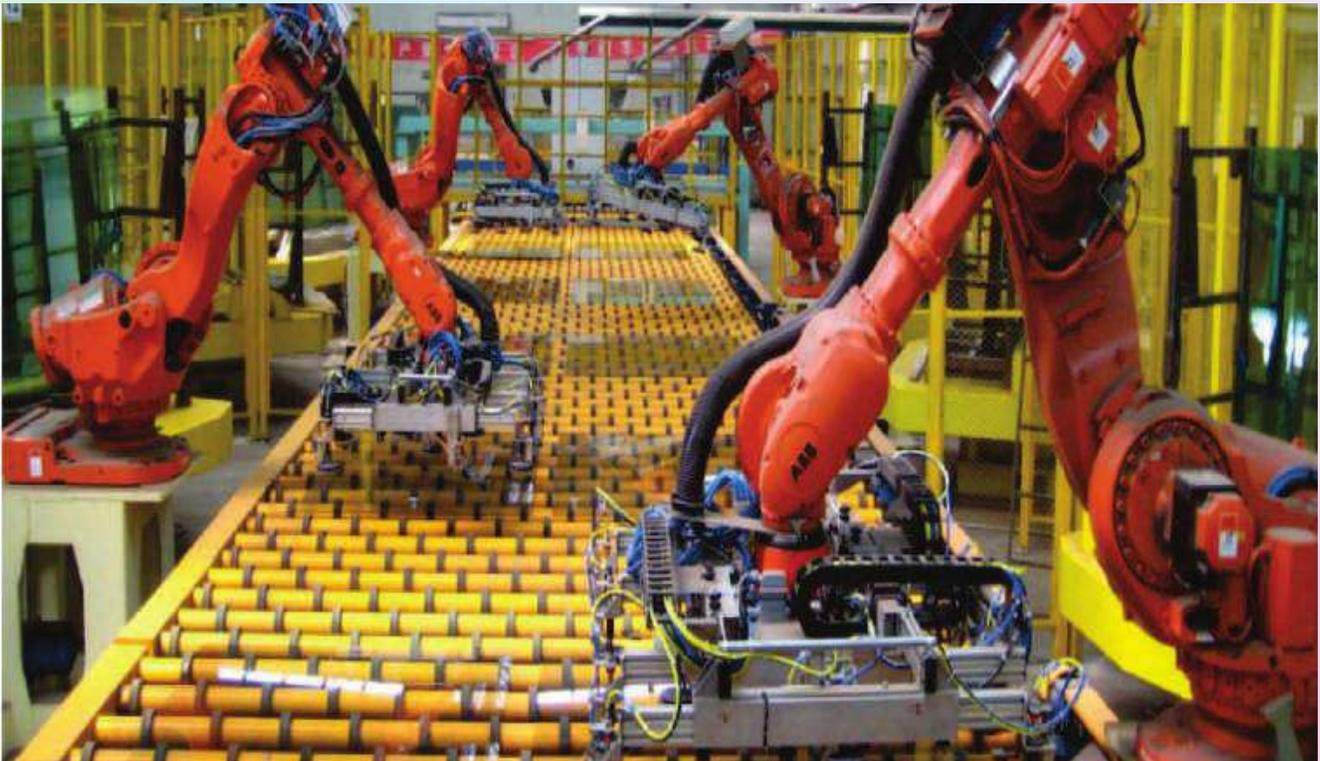
Nikhitha V S
 3rd year, ECE



AUTOMATION: AN INDUSTRIAL REVOLUTION

Automation uses various control systems for operating equipment such as machinery, processes in factories, boilers and heat treating ovens, switching on telephone networks, steering and stabilising ships, aircraft and other applications and vehicles with minimal or reduced human intervention. The most significant benefit of automation is that it saves labour. However, it is also used to save energy and materials and improve quality, accuracy and precision. Automation has been achieved through mechanical, hydraulic, pneumatic, electrical, electronic devices and computers, usually in combination. Complicated systems, such as modern factories, aeroplanes and ships typically use all these combined techniques.

A wide variety of sensors, switches, and other Input devices are available to detect movement, light, temperature, colour, pressure, and many other variables. There are two broad categories of Input Devices. Discrete, or digital, input devices simply provide on/off information. Analog devices detect a value within a range. Contactors, motor starters, valves, and other Output devices are used to turn on/off motors, lights, heating elements, and other equipment that affects the system somehow. Like Input devices, both Discrete and Analog Output devices are available. With Analog I/O, Signal Conditioners are often required to convert from one signal level to another. The Controller's Inputs and Outputs are compatible with the Input Devices and Output Devices they are connected. Human Machine Interface (HMI), the device is a particular type of Input/ Output (I/O) device that either allows a human operator to control the system, or gives the operator information about the course. HMI devices often provide both input and output capabilities in a single product.



Sequential control and logical sequence control may be either to a fixed sequence or to a logical one that will perform different actions depending on various system states. States refer to the multiple conditions that can occur in a use or sequence scenario of the system. An example is an elevator, which uses logic based on the system state to perform specific actions in response to its state and operator input. For example, suppose the operator presses the floor n button. In that case, the system will respond depending on whether the elevator is stopped or moving, going up or down, or if the door is open or closed, and other conditions.

One can break down automation in production into three categories: fixed automation, flexible automation and programmable automation.

The automotive industry primarily uses fixed automation. Also known as "hard automation," this refers to an automated production facility where the equipment layout sets the sequence of processing operations.

Flexible automation is an extension of programmable automation. Here, the variety of products is sufficiently limited so that the changeover of the equipment can be done very quickly and automatically. The reprogramming of the equipment in flexible automation is done off-line; that is, the programming is accomplished at a computer terminal without using the production equipment itself.

Programmable automation is a form of automation for producing products in batches. The products are made in batch quantities ranging from several dozen to several thousand units at a time. For each new batch, the production equipment must be reprogrammed and changed over to accommodate the new product style.

While automation has become a resource for remaining competitive in the manufacturing industry, there are definitely some factors to be considered in order to be competitive and to get a return on the investment. **Depending on the operations, automation may or may not be a good fit.** If it is a small operation with low production quantities, the initial investment of purchasing an automated machine would not be economical. On the other hand, if the operation has a larger facility with many employees on the shop floor two fabricate medium to large runs, automated machines would be better suited.

Nithin Kumar Heraje
Assistant Professor, CSE



ಜಿ೨೦೨೦ ಸ್ಫಾರ್ಕಲ್

ಮನುಷ್ಯರಿಗಿಂತಲೂ ಪಕ್ಷಿಗಳು ಹಾಯಾಗಿ ಜೀವಿಸುತ್ತಿರುತ್ತವೆ.
ಏಕೆಂದರೆ ಪಕ್ಷಿಗಳಿಗೆ ಎತ್ತಿಡಬೇಕು ಬಚ್ಚಿಡಬೇಕು ಕೂಡಿಡಬೇಕು ಎಂಬ ಭಾವನೆ ಇರುವುದಿಲ್ಲ.
ಉಳಿ ಲಕ್ಷ ಜೀವ ರಾಶಿಗಳಲ್ಲಿ ಸಾಕು ಎನ್ನದ ಜೀವಿ ಮನುಷ್ಯನೊಬ್ಬನೇ ಆದುದರಿಂದಲೇ
ಮನುಷ್ಯನಿಗೆ ನೆಮ್ಮದಿ ಶೂನ್ಯವಾಗಿರುವುದು.

ಅಸೂಯೆ ಪಡುವವರಿಗೆ ನಿದ್ರೆ ಸರಿಯಾಗಿ ಬರುವುದಿಲ್ಲ.
ಅಹಂಕಾರ ಪಡುವವರಿಗೆ ಸರಿಯಾದ ಸ್ನೇಹಿತರಿರುವುದಿಲ್ಲ.
ಅನುಮಾನ ಪಡುವವರಿಗೆ ಸರಿಯಾದ ಜೀವನವೇ ಇರುವುದಿಲ್ಲ.

ಉನ್ನತ ಹುದ್ದೆಗೆ ಏರಬೇಕೆಂಬ ಹಾಗೂ ಹೆಚ್ಚು ಹೆಚ್ಚು ಗಳಿಸಬೇಕೆಂಬ
ಈ ಎರಡು ಆಸೆಗಳಿಗೆ ಜೀವವೇ ಇರುವುದಿಲ್ಲ.
ಆದರೆ ಮನುಷ್ಯರಾದ ನಾವು ನಮ್ಮ ಸಂಪೂರ್ಣ
ಜೀವನವನ್ನೇ ಇವೆರಡಕ್ಕಾಗಿ ಮುಡಿಪಾಗಿಡುತ್ತೇವೆ.
ಇದೆಂತಹ ವಿಪರ್ಯಾಸ

ಒಬ್ಬಳು ಮಾತೆ ತನ್ನ ಮಗುವನ್ನು ಹೆತ್ತು ಹೊತ್ತು ಬೆಳೆಸುವಲ್ಲಿ
ತನ್ನ ದೇಹದ ಸೌಂದರ್ಯವನ್ನು ತ್ಯಜಿಸುತ್ತಾಳೆ.
ಅದೇ ಮಗ ದೊಡ್ಡವನಾಗಿ ಒಬ್ಬಳು ಸುಂದರಿಗಾಗಿ
ತನ್ನ ತಾಯಿಯನ್ನೇ ತ್ಯಜಿಸುತ್ತಾನೆ.

ಹಳ್ಳಿಗಳಲ್ಲಿ ಗೋವುಗಳನ್ನು ಸಾಕಲಾಗುತ್ತದೆ.
ನಾಯಿಗಳೂ ಅಲೆಯುತ್ತದೆ.
ನಗರಗಳಲ್ಲಿ ನಾಯಿಗಳನ್ನು ಸಾಕಲಾಗುತ್ತದೆ.
ಗೋವುಗಳು ಅಲೆಯುತ್ತವೆ.

ಅನಾಥಾಶ್ರಮದಲ್ಲಿ ಅತ್ಯಂತ ಬಡತನದ ಮಕ್ಕಳು ಕಾಣ ಸಿಗುತ್ತಾರೆ.
ವೃದ್ಧಾಶ್ರಮದಲ್ಲಿ ಅತ್ಯಂತ ಶ್ರೀಮಂತರ ಮಕ್ಕಳ ಹೆತ್ತವರು ಕಾಣ ಸಿಗುತ್ತಾರೆ.

ಒಂದು ಕಲ್ಲು ಒಮ್ಮೆ ಮಂದಿರಕ್ಕೆ ಹೋಗುತ್ತದೆ.
ನಂತರ ಸ್ವತಃ ದೇವರಾಗಿ ಬಿಡುತ್ತದೆ.
ಅದೇ ಮನುಷ್ಯನು ಪ್ರತಿದಿನ ಮಂದಿರಕ್ಕೆ ಹೋಗುತ್ತಾರೆ.
ಆದರೂ ಕಲ್ಲಾಗಿಯೇ ಇರುತ್ತಾರೆ.



ಡಾ| ರಾಜೀವ್ ರೈ ಪಿ.
ಪ್ರೊ. ಹಾಗೂ ಮುಖ್ಯಸ್ಥರು,
ಮೆಕ್ಯಾನಿಕಲ್ ವಿಭಾಗ

ಜೀವನ

ಮೌನ ಕಾನನ ದಾರಿ
 ದಾರಿಯುದ್ದಕ್ಕೂ ಕಲ್ಲು ಮುಳ್ಳು
 ಕತ್ತಲು..... ಕತ್ತಲು ಎಲ್ಲೆಲ್ಲೋ
 ಪಯಣವೆತ್ತ....
 ಅದೋ..... ದೂರದಲಿ ಮಿನುಗುವುದು ನಕ್ಷತ್ರ
 ಬೆಳಕಾಗುವ ಸೂರ್ಯನ ಕಾಣುವ ಹಂಬಲ
 ಕತ್ತಲಿನಿಂದ ಬೆಳಕು ಹರಿಯುವ ತನಕ ಪಯಣ
 ಮುಸುಕು ಕರಗಿ
 ಅನರ್ಥ ಮುಗಿದು
 ಅರ್ಥ ಹುಡುಕುವ ಪಯಣ
 ಉಳಿದು ಉಳಿಯದಂತೆ
 ಹುಟ್ಟು, ಬದುಕು, ಮರಣಗಳ
 ವ್ಯಸನ ಕಳೆಯುವ
 ಬಂಧನ – ಜೀವನ

ಪ್ರತೀಕ್ಷಾ
 II year CSE

ಹೆಣ್ಣು ಜೀವ

ಮೊದಲ ಸಲ ನೋಡಿದೆ ಕಣ್ಣು ಬಿಟ್ಟು ಈ ಜಗತ್ತು
ಕಂಡಿತು ನೀರು ತುಂಬಿದ ಅಮ್ಮನ ಮುದ್ದು ಕಣ್ಣು |
ಜನ ಜೀವನ ಸಂಸಾರ ತುಂಬಿತ್ತು ನಮ್ಮ ಸುತ್ತ
ನಾನು ಕೇಳಿದೆ ಮೊದಲ ಶಬ್ದ “ ಹುಟ್ಟಿದ್ದು ಹೆಣ್ಣು” |

ಅಪ್ಪ ಯಾರೆಂದು ಗೊತ್ತಿಲ್ಲದ ಮಗುವಾಗಿ ಬೆಳೆದೆ
ಅಮ್ಮನ ಮುದ್ದು ಆರೈಕೆಯಲ್ಲಿ ದಿನಗಳನ್ನು ಕಳೆದೆ |
ದಿನ-ದಿನವೂ ಎಚ್ಚರಿಸಿದಳು ಈ ಜಗತ್ತಿನ ಬಗ್ಗೆ
ಕಣ್ಣಿಗೆ ಕಾಣುವುದು ಎಲ್ಲವೂ ಮಾಯಾಲೋಕದ ಬುಗ್ಗೆ |2|

ಪ್ರತಿದಿನವೂ ಬರುತ್ತಿದ್ದವು ನಾರೆಂಟು ಸುದ್ದಿಗಳು
ಅವುಗಳನ್ನು ಕೇಳಿ,ನೋಡಿ ಕಂಪಿಸುತ್ತಿದ್ದವು ನನ್ನ ಕೈಗಳು |
ಯಾರನ್ನು ನೋಡಿದರು ಹೆದರಿ ನಡುಗುತ್ತಿತ್ತು ಹೃದಯ
ಅಷ್ಟರ ಮಟ್ಟಿಗೆ ಇತ್ತು ಮಾಯಾಲೋಕದ ಬಗ್ಗೆ ಭಯ |3|

ಎಷ್ಟು ಬೇಡಿದರೂ ಆದಿನ ಬಂತು ನನಗೂ
ಏನು ಮಾಡಿದರು ತಡೆಯಲಾರದೆ ನೋತೆ ನಾನು |
ಯಾಕಾಗಿ ಹುಟ್ಟಿದೆ ಈ ಮಾಯಾಲೋಕದ ಬುಗ್ಗೆಯಲ್ಲಿ
ಅಂದೇ ನಾಯುವುದು ಲೇಸಿತ್ತು ಅಮ್ಮನ ಜೊತೆಯಲ್ಲಿ |4|

ತಿಳಿದಿದ್ದೆ ಮೊತ್ತ ಮೊದಲು ಕಂಡದ್ದು ಅನಂದ ಭಾಷ್ಯವೆಂದು
ಆದರೆ ಈಗ ತಿಳಿಯುತ್ತಿದೆ ಅದು ನೊಂದ ಕಣ್ಣೀರೆಂದು |
ಅವಳಿಗೆ ತಿಳಿದಿತ್ತು ನನ್ನ ಮುಂದಿನ ಭವಿಷ್ಯವೇನೆಂದು
ಯಾಕೆಂದರೆ ಅವಳು ಕೂಡಾ ಹುಟ್ಟಿದ್ದಳು ಹೆಣ್ಣಾಗಿ ಅಂದು |5|

ಓ ದೇವರೆ, ಕಾಣದೆ ಹೋಯಿತೆ ನಿನಗೆ ಈ ಹೆಣ್ಣು ಜೀವ
ಯಾರಿಗೆ ಹೇಳಲಿ ನಾನು ಇನ್ನು ನನ್ನ ನೋವು |
ಮರೆತುಬಿಡು....., ಮರೆತುಬಿಡು.....
ನನ್ನ ಅಸ್ತಿತ್ವವು ಮರೆತುಬಿಡು....
ನನ್ನ ಅಸ್ತಿತ್ವವು ಮರೆತುಬಿಡು |6|



Adithya Subramanya Sharma
1st Year ECE



ಕಠಿಣ ಕನಸು

ಜರಿಯುವ ನದಿಗೆ ತಿಳಿದಿಲ್ಲ

ತಾನು ಮುಂದೆ ಹೋಗಲು ದಿನ ಸಾಗರವ ಸೇರಬೇಕೆಂದು

ಅದರೂ ಸಾಗುತ್ತಿರುವುದು

ತನ್ನದೇ ಆದ ಜಾರಿಯ ಸೃಷ್ಟಿಗೆ ಕೇಳಲು

ಬದುಕಲ್ಪಡು ಕೆಲವೊಮ್ಮೆ ನಮ್ಮ ಗುರಿ ಕಠಿಣ ಅನಿರೀಕ್ಷ್ಯವು

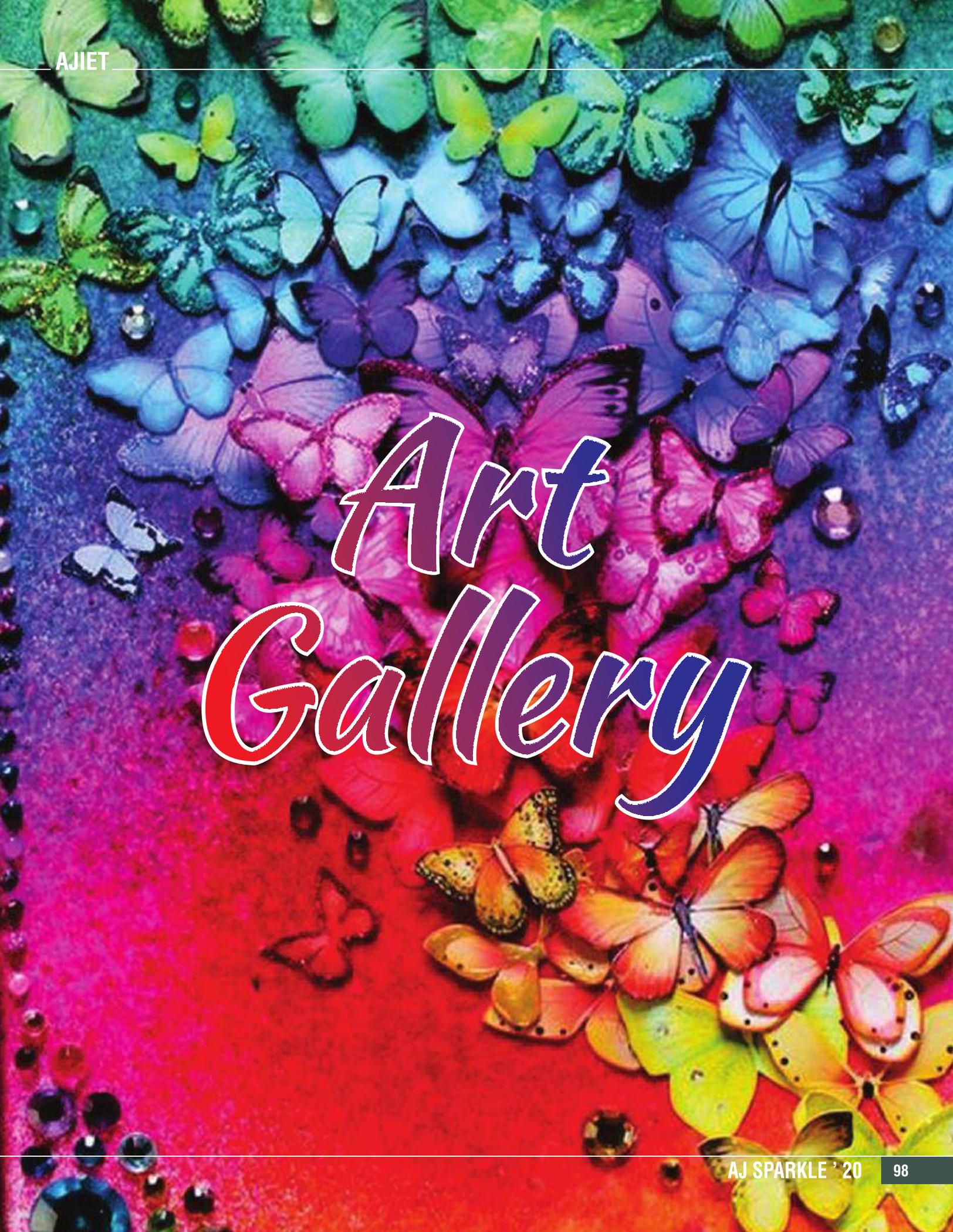
ಅದರೂ ಮೃದಾಂಗಕ ಪ್ರಯತ್ನ ಮುಂದುವರಿಸಿಕೊಳ್ಳು

ನಮ್ಮೂ ಅಂದಕೇಳಿ ಗುರಿ ತಲುಪದಿದ್ದರೂ

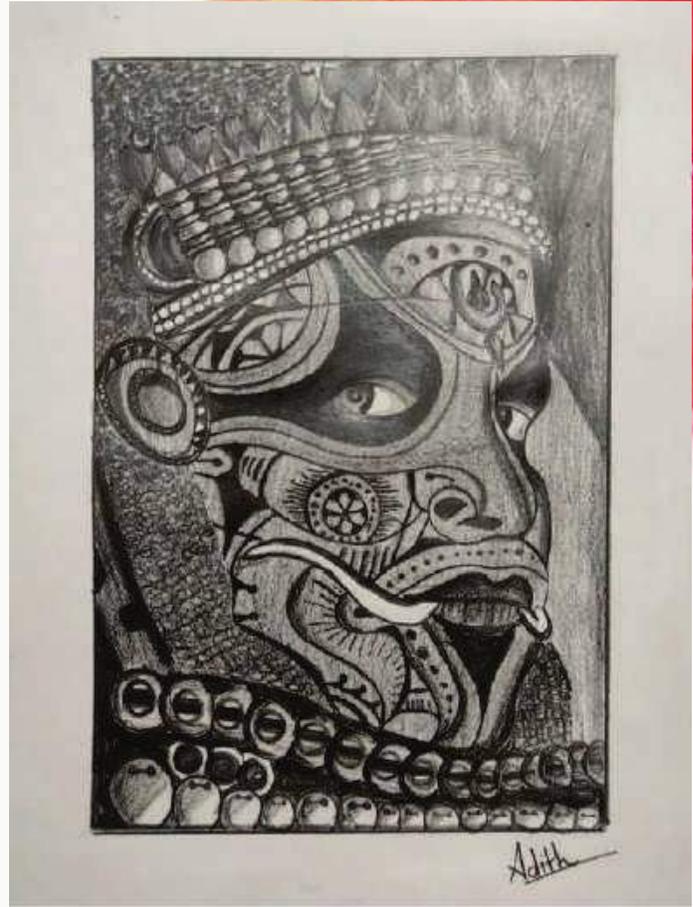
ಮುಂದೆ ಕಡೆ ಅಂತೂ ಮಂದಿತ ಸೇರಬಹುದು

Yajna
3rd Year ISE



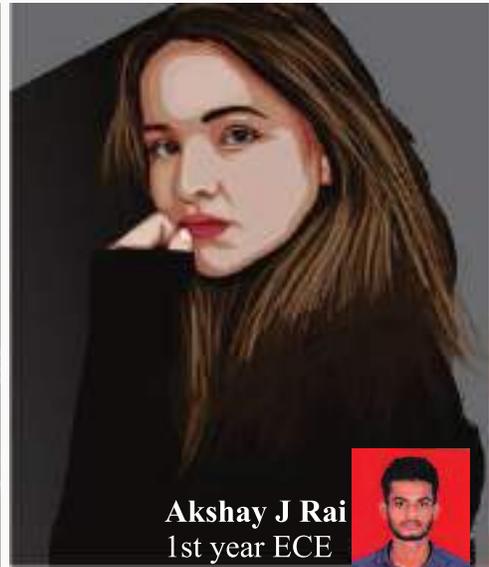


Art Gallery



ADITH
2nd Mech



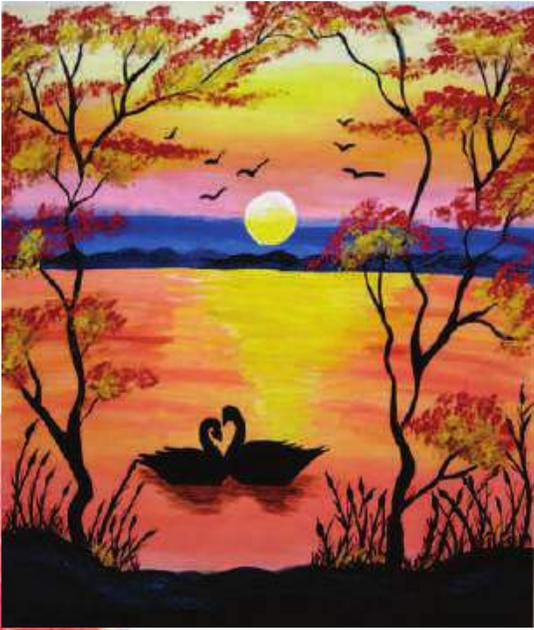


Akshay J Rai
1st year ECE



Chandan Gunaga
2nd year ISE

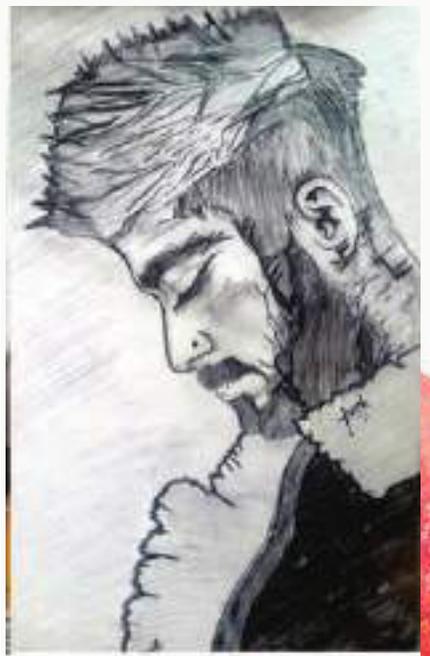




Lekha Poojary



Gagan Bolana
4th year ECE



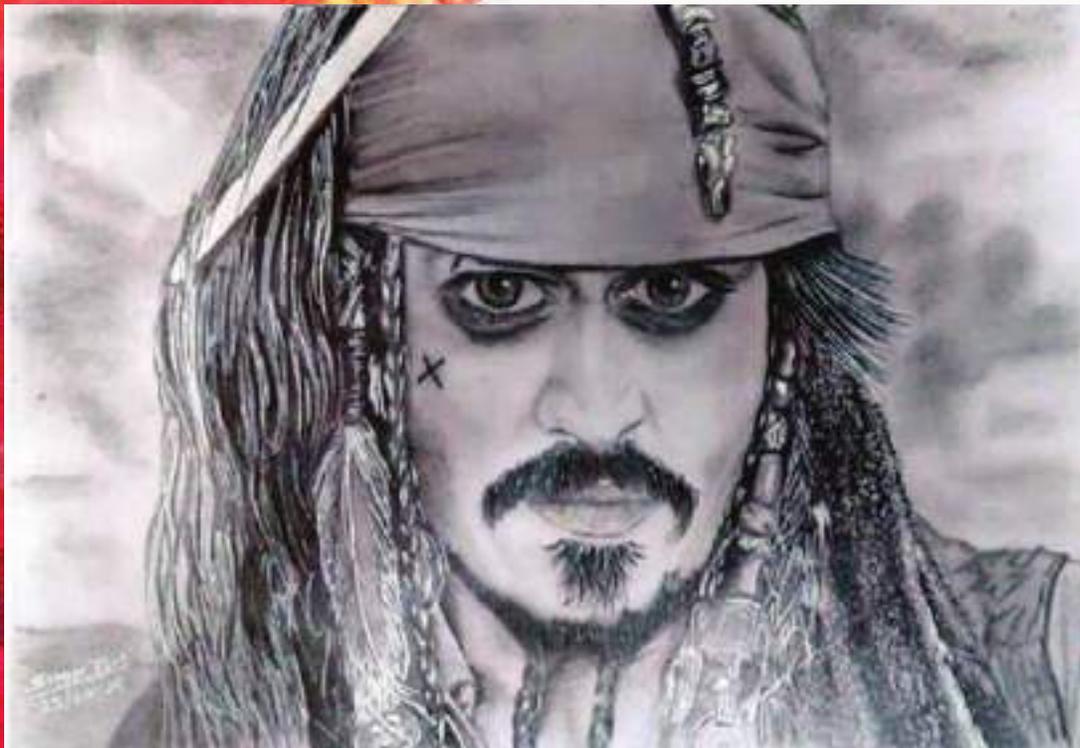
Poorvi M Rao
Ist year ISE



Manish Raj
3rd year ECE



Gnane Swarnadh
Associate Prof. ECE



Shon Tom
4th year ECE



Sukanya
1st year ISE





Rishi Joshi
4th year ECE

Hearty Congratulations

For being awarded PhD degree



Dr. Suman Kundapura

Head & Associate Professor, Department of Civil Engineering
Topic: "Soft computing techniques in the prediction of performance of semicircular breakwaters"



Dr. Pavitra Shanbhag

Assistant Professor, Department of Mathematics
Topic: "Determination of Unsteady Moment Derivatives in Pitch for wedges in Hypersonic/Supersonic flow at high angle of attack"

VARIOUS COMMITTEES

The Institution conducts various co-curricular activities that allow the students to build up their qualities of leadership, organization, administration and social service. There are different associations, councils and committees headed by faculty members that organize a variety of programmes for the all round personality development of students. The Principal of the college functions as the Director of all the committees.

Students Welfare Committee



Sitting L-R: Mr.Prakhyath, Mr. Nikhil N, Dr. Kishore M Shetty, Dr. Shantharama Rai C (Principal), Dr. Sadananda Kumar N, Mrs. Vineetha Pais, Mr.Vasantha K R.

Standing L-R: Hrithwik, Deekshith, Chandan, Mithun, Ninad, Neha Jain, Pratheeksha, Chaithrashree, Shraddha, Aishwarya.

Women's Welfare Committee



Sitting L-R: Dr. Shobhitha Shetty, Dr. Sujaya C, Dr. Shantha Kumari K, Dr. Shantharama Rai C (Principal), Ms.Pavitra Shanbhag, Mrs.Pratheeksha N Rai, Mrs. Madhushree
 Standing L-R (row1): Vishaka, Ashika Sab,, Ramya, Prashanthi , Chaithrali, Zuha Vasim , Lekha, Nandini, VarshaShetty, Helen Rose, Tejaswini.
 Standing L-R (row2): Pratheeksha , Chandana, Adhya, Chaithra, Amritha, Riya.

Literary and Cultural Committee



Sitting L-R: Mrs. Pratheeksha n Rai, Deeksha A, Dr. Shobhitha Shetty, Dr. Shantharama Rai C (Principal), Mr. Nithin kumar heraje, Mr. Rakesh MR, Mr. Karthik AV.
 Standing L-R (row1): Vishaka, Amritha, Riya, Ashika Sab, Prashanthi, Helen Rose, Chaithrali, Lekha, Chaithra, Tejaswini
 Standing L-R (row2): Ramya, Varsha, Adya, Zuha, Sushanth, Ninad, Ashab, Gagan, Chandan, Hrithwik

Examination Committee



Sitting L-R: Dr. Sadananda Kumar N, Dr. Kishore M Shetty, Dr. Shantharama Rai C (Principal), Mr. Manjukiran, Mrs. Nishmitha,

Maintenance Committee



Sitting L-R: Mr. Dileep Kumar, dr. Rajesh Rai P, Dr. Shantharama Rai C (Principal), Mr. Manohar M, Dr. Rithin kumar N B.

Hostel Committee



Sitting L-R: Mr. Manohar M, Mr. Nithin kumar Heraje, Dr. Sujaya C, Dr. Shantharama Rai C (Principal), Dr. Antony P J, Dr. Rithin kumar N B., Mr. Nithin Shet.

Standing L-R (row1): Ms. Pavitra, Aishwarya, Helen Rose, Ashika Sab, Adhya, Salma, Nandini, Mrs. Bincy Joseph, Mrs. Akshatha.
Standing L-R (row2): Pramith, Gokul, Nivin, Alex, Amandas, Nayanakrishna.

R & D Committee



Sitting L-R: Mrs. Madhushree, Mr. Basappa KK, Mr. Raghavendra Havaladar, Dr. Nagesh H R, Dr. Shantharama Rai C (Principal), Mr. John prakash Veigas, Mr. Rakesh, Dr. Shobhitha Shetty.

Standing L-R (row1): Pratheeksha, Sowjanya, Chandana, Thanvi, Prithvi, Ashika, Salma, Jennifer, Anusha, Glen, Vishal Shet
Standing L-R (row2): Dhanush, Avaneesh, Shubham, Akhil, Shashank, Ranjith, Nayana Krishna, Chirag.

Placement Committee



Sitting L-R: Mr. Basappa K K, Ms.Meghana Ballal, Mr. Aaron Karat, Shantharama Rai C (Principal), Dr. Antony P J, Mr. Manjukiran, Mr. John prakash Veigas.

Standing L-R (row1): Dr. Vignesh Nayak, Mrs. Madhushree, Mrs. Pratheeksha, Melisha N, Harshitha Prabhu, Neha Rao, Shreya, Anusha, Meghana, Mrs. Sharon D'Souza.

Standing L-R (row2):Pramith, Gokul, Shailesh, Rakshith, Avaneesh, Rahul.

Canteen & House keeping Committee



Sitting L R: Mrs. Prameela,Dr. Shantharam Rai C (Principal),Dr. Rithin Kumar N B,Mr. Nithin Kumar Heraje.

Standing L R:Girija, Prathima, Kavitha,Malathi,Siddamma,Vishala,Sunitha, Nalini, Indira, Chandravathi, Sujatha,Kusuma, Shashikala.

Security Committee



Sitting L R: Prof.Prakash K Shetty,Dr. Shantharam Rai C (Principal)
Standing L R: Geetha, Nippu, Nabojith, Sanjeev, Wilson.

Sports Committee



Sitting L-R: Mr. Vasantha K R, Mr. Manohar M, Mr. Nithin K. Heraje, Shantharama Rai C (Principal), Dr. Sadananda Kumar N, Dr. Rithin Kumar N B, Mr. Rakesh M R.

Standing L-R (row1): Mahima, Helen Rose, Milan benny, Jennifer, Pratheeksha, Pratheeksha, Ashika KC, Salma, Anusha, prashanthi.

Standing L-R (row2): Chirag, Gagan, Dhanush, Mithun, Araf, Chandan, Shashank, Ashok, Nivin.

Standing L-R (row3): Hrithwik, Prithviraj, Gilchrist, Adarsh, Srajan, Akhil, Chirag, Anujith, Sourab Prajwal.

Discipline Committee



Sitting L-R: Dr. Sujaya C, Dr. ShanthaKumari K, Dr. Rajesh Rai P, Prof. Prakash Shetty, Dr. Shantharama Rai C (Principal), Dr. Antony P J, Dr. Nagesh H R. Prof. Vinod d'Souza, Dr. Sankappa Rai

Standing L-R (row1): Ashika, Milan Benny, Pratheeksha, Prashanthi, Jennifer, Prithviraj Shetty, Shashank, Adithya, Prajwal.

NSS Committee



Sitting L-R: Mr. Nikhil N, Dr. Sadananda Kumar N, Dr. Shantharama Rai C, Mr. Manohar M, Mr. Nithin Kumar Heraje

Standing Line -1 (L-R) : Anusha, Aishwarya, Salma Sheik, Ramya, Neha Jain, Shashank, Deekshith, Shravan, Mithun.

Standing Line -2 (L-R): Dhanush, Anujith, Shailesh, Vishal shet, Ranjith, Chirag, Rahul, Bhuvanesh.

MEDIA MIRROR



ಕಲೆಯ ಕಾಳಜಿ ಮೂಡಿಸಿದ 'ಎ.ಜೆ.ಯಕ್ಷಮಿಲನ'

• ಬೆಂಗಳೂರು, 17/04/2020

ಮಾಣವಿಕರಣ ಉದ್ಯಮವನ್ನು ಎ.ಜೆ.ಯಕ್ಷಮಿಲನವು ಅಭಿವೃದ್ಧಿಪಡಿಸಲು ಪ್ರಯತ್ನಿಸುತ್ತಿದೆ. ಈಗಾಗಲೇ ಅನೇಕ ಕಲಾಕಾರರನ್ನು ತನ್ನ ಸಂಸ್ಥೆಯಲ್ಲಿ ಉದ್ಯೋಗಿಸಿ ಕಲಾಕಾರರನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತಿದೆ.

ಬೆಂಗಳೂರು, 17/04/2020 - ಅನೇಕ ಕಲಾಕಾರರನ್ನು ತನ್ನ ಸಂಸ್ಥೆಯಲ್ಲಿ ಉದ್ಯೋಗಿಸಿ ಕಲಾಕಾರರನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತಿದೆ. ಈಗಾಗಲೇ ಅನೇಕ ಕಲಾಕಾರರನ್ನು ತನ್ನ ಸಂಸ್ಥೆಯಲ್ಲಿ ಉದ್ಯೋಗಿಸಿ ಕಲಾಕಾರರನ್ನು ಪ್ರೋತ್ಸಾಹಿಸುತ್ತಿದೆ.

ಗೋವಿಂದವಾಸಿ ಕಾಲೇಜಿಗೆ ಪ್ರಥಮ ಪುಸ್ತಕ

ಗೋವಿಂದವಾಸಿ ಕಾಲೇಜಿಗೆ ಪ್ರಥಮ ಪುಸ್ತಕವನ್ನು ಉಪಾಧ್ಯಕ್ಷರು ಉದ್ಘಾಟಿಸಿದರು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಉಪಾಧ್ಯಕ್ಷರು ಮಾತನಾಡುತ್ತಾ, ಈ ಪುಸ್ತಕವು ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗಿದೆ ಎಂದು ಹೇಳಿದರು. ಈ ಪುಸ್ತಕವು ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗಿದೆ ಎಂದು ಹೇಳಿದರು.



ಯಕ್ಷಮಿಲನವು ಉದ್ಘಾಟಿಸಿದ ಪುಸ್ತಕವನ್ನು ಉಪಾಧ್ಯಕ್ಷರು ಉದ್ಘಾಟಿಸಿದರು.

ಎ.ಜೆ. ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳಿಂದ ಪ್ರಮದಾನ



ಎ.ಜೆ. ಎಂಜಿನಿಯರಿಂಗ್ ವಿದ್ಯಾರ್ಥಿಗಳಿಂದ ಪ್ರಮದಾನವು ನಡೆಯಿತು. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಉಪಾಧ್ಯಕ್ಷರು ಮಾತನಾಡುತ್ತಾ, ಈ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗಿದೆ ಎಂದು ಹೇಳಿದರು. ಈ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗಿದೆ ಎಂದು ಹೇಳಿದರು.

ಎ.ಜೆ. ಎಂಜಿನಿಯರಿಂಗ್, ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ ಆಕಾರ್-2020 ಸ್ಪರ್ಧೆಗೆ ಚಾಲನೆ



ಎ.ಜೆ. ಎಂಜಿನಿಯರಿಂಗ್, ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ ಆಕಾರ್-2020 ಸ್ಪರ್ಧೆಗೆ ಚಾಲನೆ. ಈ ಸಂದರ್ಭದಲ್ಲಿ ಉಪಾಧ್ಯಕ್ಷರು ಮಾತನಾಡುತ್ತಾ, ಈ ಸ್ಪರ್ಧೆಯು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗಿದೆ ಎಂದು ಹೇಳಿದರು. ಈ ಸ್ಪರ್ಧೆಯು ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉಪಯುಕ್ತವಾಗಿದೆ ಎಂದು ಹೇಳಿದರು.

Directory 2020

CIVIL ENGINEERING



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