KEC CHRONICLES - 2024
News Letter

KUPPAM ENGINEERING COLLEGE
(Approved by AICTE, Affiliated to JNTUA)
KUPPAM – 517 425, CHITTOOR Dt., A.P.

Content

About Kuppam Engineering College

Kuppam Engineering College was inaugurated by Technology savvy Sri.N.Chandrababu Naidu garu on 11-09-2001. Gradually over the years several institutes like Kuppam Public School, Kuppam Junior College, Kuppam Polytechnic, Kuppam Degree College, Kuppam Teacher Training Institute, Kuppam College of Education, Kuppam College of Nursing courses began to emerge in educational field as "BCN GROUP OF INSTITUTIONS". These institutions were promoted with the sole objective of providing high standard educational facilities to the rural folks. These institutions are managed by Sri. B. C. Nagaraj. Founder Chairman is a great philanthropist has good managerial skills and admin-iterative capabilities imparting high quality education from pre-primary to post graduation Level.

Vision of the college

To be a leading institute of professional education in imparting quality education to rural youth and producing dynamic technocrats with competent skill, innovative ideas, leadership qualities, and professional ethics.

Mission of the college

- Provide quality education through state-of-the-art infrastructure
- Develop technical skills and promote innovation among the students and faculty
- Promote collaborative research to address local and global challenges

Message from Chairman's Desk

Sri. B.C.NAGARAJ, M.B.A.,
Founder & Chairman, B.C.N Group of Institutions

We at Kuppam Engineering College have a vision to impart quality technical education, bring out the hidden skills and abilities of students with proper discipline. We have put together an experienced team of highly qualified, motivated and dedicated staff, supported by excellent infrastructural facilities to make the institution, an ideal place for learning.

We will provide meaningful education, research and training and at all levels to match global standards. Our policy is to mould students by building confidence in them and imbibing qualities like discipline, dedication and determination.

It is obligatory on our part not only to reach academic standards as on today but also to continuously upgrade them. Finally it gives us immense pleasure when students who graduate from our college are well placed in their careers.

"The highest education is that which does not merely give us information but makes our life in harmony with all existence" - Gurudev Rabindranath Tagore.

Message from Vice Chairman's Desk

Dr. N.SUNILRAJ, M.B.B.S.,
Vice Chairman

We at the Kuppam Engineering College strive to provide high quality technical education with ethics and moral values. We have a team of committed and experienced faculty members to cater the needs of the students and supported by excellent infrastructural facilities. We have 14 industry approved laboratories like Cisco, Oracle, Auto-desk, Texas instrumentation, Red hat, CM Skill Excellence Centre labs by Siemens; Dassualt Systems and so on to bridge the gap between industries and academics and to enhance industries institute interaction, our aim is to produce young and dynamic engineers who can make their parents and the nation proud.

"The journey of a thousand miles begins with one step". - Lao Tzu

Message from CEO's Desk

Sri. N.SAGAR RAJ, B.Tech., M.B.A.,
Chief Executive Officer

We always strive hard to nurture our students to attain new and high altitudes in their professional career, lead the life of responsible citizens and equipping the students with requisite traits for successfully coping up with the upcoming challenges of personal and professional life. Moreover, it is our commitment to provide a learning environment that prides itself on a culture of caring and communal learning through a path-goal oriented approach. Our institution is honoured for its readiness in providing unlimited opportunities and necessary inputs to enable the students to secure a suitable career with an opportunity to enter the corporate world.

"Dream is not that which you see while sleeping it is something that does not let you sleep." Dr. A.P.J Abdul Kalam

Message from Principal's Desk

**Dr. S.SUDHAKAR BABU, B.E., M.E., Ph.D.,
MISTE, Principal**

Kuppam Engineering College aims at nurturing Graduates and researchers who are critical thinkers creative and have a holistic education experience, innovation methods of teaching, cutting-edge curriculum, workshops and internships further broadening the intellectual and global outlook of our students. The internship programs are a unique feature of education at KEC and help to produce more practical oriented and innovation graduates. I invite all aspirants to seek admission in to the KEC programs and become technology driven professionals

"Arise awake and stop not till the goal is reached." - Swami Vivekananda

Message from Editor's Desk

The editorial board is glad to release the "KEC CHONRICLES -2024", newsletter of KUPPAM ENGINEERING COLLEGE. This newsletter will serve to reinforce and allow increased awareness, improved interaction and integration among all of us. "KEC CHONRICLES -2024" will be a platform to provide proper acknowledgement and respect to all those who work behind the scenes, overtime round the clock planning things and acquiring results. The news letter is intended to be published every year.

The editorial board accepts suggestions and comments to improve the quality of newsletter. This is one of the momentous towards a long journey. I would like to extend my sincere thanks to all the heads of departments, sections, and editors from each department / section for the service rendered in making this newsletter a reality. I extend my thanks to the management and principal for opportunity given to me as edit in chief of "KEC CHONRICLES -2024".

Editorial Board:

Chief Editor
Dr. S. Baskaran, Associate Professor & Vice Principal.
Editors
Dr. K. Logesh, Associate Professor & HOD Department of CSE
Dr. K. Rasadurai, Associate Professor Department of ECE
Dr. Naveen Kumar, Associate Professor, Department of ME
Mr. J. Madhavan, Associate Professor, HOD HAS
Dr. D. Jayakumar, Associate Professor & CDO
Dr. N. Muneendra, Associate Professor & HOD Department of MBA
Mr. D.Sivakumar, Associate Professor, Department of ECE
Mr. D. RadhaKrishnan, Assistant Professor, Department of Civil
Mr. P.R. Rajeev, Assistant Professor, Department of EEE
Ms. P. Sevanthi, Assistant Professor, Department of CSE
Mrs. S. Lokeswari, Assistant Professor, Department of MBA

Annual Day 2023

College annual day was celebrated on 28-03-2023. Telugu film actor Mr. Raj Tharun was the chief guest for the event. Sri. B.C. Nagaraj, Chairman Welcome the gathering. Dr. Sunil Raj, Vice Chairman, Mr. Sagar Raj, CEO, Mr. Raj Tharun addressed the gathering. Principal Dr. S.Sudhakar Babu presented the annual day report.

Cultural Fest

In connection with the annual day celebrations cultural events were conducted for the students. There were 20 teams performed the classical and western dance programs on the stage. Also fashion show was performed by the girl's students. The students were encouraged to participate in various activities like

- Pencil Sketching
- Elocution Competition
- Debate
- Turn a court
- Press Meet
- Vegetable / Fruit Carving
- Flower carpet
- Rangoli
- Face Painting
- Fruit Salad Preparation
- Mehandi
- Food fiesta, etc.

Graduation Day

Graduation day was held at Kuppam Engineering College on 9th December 2023 and graduates of 2023 were received their degrees. The chief guest for the program was Dr.Mylswamy Annadurai garu, Former Director (ISRO). He addressed the graduates and awarded degree certificates to 236 graduates. Sri. B.C. Nagaraj, Chairman, Dr. N. Sunil Raj Vice Chairman, Sri. N. Sagar Raj, CEO, Dr. S. Sudhakar Babu, Principal, Dr. S. Baskaran, Vice Principal & Dr. G. N. Kodhandaramaiah, R&D Director, HOD's, section officers, staff and parents were the part of the programme.

NAAC Peer Team Visit

National Assessment and Accreditation Council (NAAC) Peer team visited Kuppam Engineering College on 22nd and 23rd June 2023. NAAC Peer Team comprised of Dr. Atal Chaudhuri, former Vice chancellor of Veer Surendra Sai University of Technology, Odisha, Chairman of the committee, Dr. Maneek Kumar, Dean, Munjaj University, Haryana, as member coordinator, and Dr. Naresh Patel, Dean, Dharmsinh Desai University, Gujarat. Our College awarded Grade "A" by the committee with the score of 3.22 CGPA for 4 scale.

Awards to staff members

The staff members who completed the service more than 10, 15 and 20 years were awarded with the memonto and cash prize on 28-03-2023. On these occasion 75 no. of staff members from teaching and non-teaching were received the award

Awards to Students

The students secured top position in the academics during the academic year 2021-2022 were awarded the medal with cash prize of Rs. 1000/- each on 28-03-2023. There were 25 no. of students received the medals and prizes from Sri. B.C. Nagaraj, Chairman.

Birthday celebration

All the staff members of BCN Group of Institutions celebrated our Vice - Chairman Dr. N. Sunil Raj's birthday on 17-June-2023, in our college campus. On this auspicious occasion, meritorious students from Government Schools were awarded cash prize and mementos.

Facilitation to school children

As the part of social responsibility the meritorious students from the Government schools / junior colleges were faclicited with memontos and cash award. There are about 30 students from the schools / junior colleges from Kuppam Mandal were received the awards on 17th june 2023. Dr. Sunil Raj, Vice chariman distributed the awards and essential study materials to the students on the occasion of his birthday.

Sports Fest

Department of physical education regularly conducts the events for the benefit of students throughout the year.

Different sports & games like cricket, shuttle badminton, basketball, running race, table tennis, kho-kho, volley ball, chess etc. will be conducted for both girls and boys.

At the end of all sports events prizes were distributed by Sri BC Nagaraj, Chairman, Dr. N Sunil Raj Vice-Chairman, N. Sagar Raj, CEO and Dr. S. Sudhakar Babu, Principal, Mr. Satheesh Kumar, Physical Director and All HODs of the departments were participated in the event.

Founders Day Celebrations

The birth anniversary of our Founder Chairman Sri. B. C. Nagaraj garu was celebrated on 27-12-2023, in a grand manner. On this occasion our chairman Sri. B. C. Nagaraj garu, announced "BCN Group Insurance Scheme" worth of Rs.20.5 crores for the benefit of 410 staff members.

Donation to the residential school

Our Chairman Sri. B. C. Nagaraj garu donated water heater, sewing machine and essential stationery items to Gudupalli Kasturba residential school students on his Birth Anniversary on 27-12-2023.

Engineers Day

Engineers Day was celebrated on 15th of September 2023 to commemorate the birth anniversary of Sir Mokshagundam Visvesvaraya. Mr. Bakthavasala Reddy, Regional Director, Lions Club was the chief guest for the event and addressed the students. Sri. B.C. Nagaraj, Chairman facilitated the guest.

Independence day Celebrations

Independence Day celebrated at Kuppam Engineering College, Kuppam. The national flag hoisted by our honorable Vice Chairman Dr N. Sunil Raj garu. Principal, HOD's, Staff members and students were participated in the event.

Republic Day Celebrations

Republic Day was celebrated at Kuppam Engineering College, Kuppam. The National Flag hoisted by our honorable Chairman Sri B. C. Nagaraju garu. Principal, Heads of departments, / Sections, Staff members and students were participated in this event.

Women Empowerment

Women Empowerment Cell has organized Awareness Programme on **"Self-hygiene and women health"** on 27-04-2023**.** Dr. D. Sumathi, Chairman of Women Empowerment cell, explained about Self Hygiene and Women Health.

Prize won – in State Level Cricket Tournament

Cricket team from our Kuppam Engineering College was won the secend prize with the cash award of Rupees 10,000/- in the state level cricket tournament conducted by Sri Venkateswara Engineering College, Chittoor on 14th April 2023. Dr. Sunil raj Vice chairman and Principal appriciated the winners.

Prize won – Distric level tournament

Students from diploma courses were participated in the distict level sports and games meet conducted by Govt. Polytechnic college, Kalikiri on behalf of SBTET. The volleyball team won the first prize, and become elegible to play state level match. N. Pranav Kumar, III ECE won the fisrt prize in Javlin throw. In shotput Govindaraju I CSE won the thrid prize. In 4X100 meter relay the team won III prize. Dr. Sunil raj Vice chairman and Principal appriciated the winners.

Uniersity Team selection

On behalf of JNTUA University our college hosted the university football team selections in our campus on 30-10-2023. Sri. B. Joji Reddy garu, secretary sports council, JNTUA, Anantapur and his team selected the players. In the selections 126 students participated from various colleges under JNTUA. 3 students from KEC got selected to the University Football Team.

Mr. Ambursh IV Mech. selected for the university cricket team during the academic year 2023-24.

Orientation on Higher Education

As the part of social responsibility our college conducts the orientation on higher education to the school children, junior college and polytechnic colleges. Orientation was conducted in 58 schools and 26 junior colleges in Chittoor district. And orientation was conducted in 28 polytechnic colleges in Chittoor and Anantapur district.

Department of Civil Engineering

Awareness Programme for Higher Studies

Department of Civil Engineering organized a Higher Education Awareness Programme for B.Tech. civil engineering Final year students on 16th Oct 2023 by Er. Sudheer Software Engineer, 42Gears Mobility System, Bangalore. He expalined to our students, Education is a prerequisite for human development. Employment opportunities and income levels can be increased with the help of education. Individual development and progress of a nation depends on educational development. As education is an important factor of development, illiteracy and ignorance among the disadvantaged groups hampers their process of development. Lack of education of the disadvantaged youth inspires them to engage in informal economic activities rather than in formal engagement.

Training Program on BIM software

On July 30, 2023, the Department of civil engineering hosted a one-day training session on BIM software. Resource person Er Gajendra Babu, BIM Modular, Banglore. He expalined to our students, Building Information Modeling (BIM) is a computerized approach that upsets the construction process by creating intelligent 3D models. It's a collaborative framework that centralizes project information, from the design process to building operations and support. BIM software is more than traditional design software; it integrates information related to a building's geometry, spatial relationships, and functional properties. It allows real-time collaboration, seamless BIM data sharing, and efficient coordination among multidisciplinary project teams.

With functionalities for visualization, simulation, analysis, and construction documentation, BIM software works as a backbone for modern construction projects, improving productivity, accuracy, and correspondence across the lifecycle. In the complex woven artwork of construction, BIM threads through different project phases, streamlining processes and encouraging collaboration.

Field Visit: On Road Construction

Department of Civil Engineering organized a one-day site visit for Road Construction with faculty members to Kuppam on March 13, 2023. Er. Abilash expalined to our students about Road construction process such as, Road construction is the process of installing soil stabilizers, asphalt, concrete, and other materials on a defined path to create a smoothed or paved surface that vehicles can move on between two destinations. This is a complex venture

that involves paving, rehabilitation, and/or reclamation of degraded pavements to create a motorable roadway. It can take months or years of planning before work can begin depending on the size and type of the envisioned road.

Field Visit: Building Construction

Department of Civil Engineering organized a one-day site visit for Building Construction with two faculty members to Bairaganpaalle village Kuppam on November 11, 2023.

Er. N. Mahendra explained how to develop a plan in new building, it is very necessary to have an idea about the start and the end of the building project.

Awareness on Industry vs Curriculum

Department of Civil Engineering organized Awareness on Industry vs Curriculum on 13th October 2023.Resource Person Mr Ravi Kishore, Quality Engineer, Banglore. He told Civil engineering education in universities needs to evolve continuously to ensure students are ready

for an evolving industry. Educators are presented with an age-old dilemma between providing the skills that students will need for the jobs they will graduate into in the near future and preparing those students to be adaptable for the civil engineering jobs of the future.

Seminar on E - Waste Management

Department of Civil Engineering organized Seminar on E - Waste management 06th June 2023. Electronic waste (or e-waste) describes discarded electrical or electronic devices. It is also commonly known as waste electrical and electronic equipment (WEEE) or end-life (EOL) Electronics.

Students Seminar

The Department of Civil Engineering conducted a one-day Technical Seminar for students on November 27, 2023 (Recent Development and Challenges in Civil Engineering). Most of the Students Participated and listed their topics.

As the world continues to evolve, so does civil engineering. With technological

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advancements and a growing focus on sustainability, civil engineering is experiencing a wave of emerging trends shaping how we build and design our infrastructure.

Here, the top 7 emerging trends in civil engineering poised to revolutionize the industry. From sustainable infrastructure to cutting-edge technologies, these trends are shaping the future of civil engineering and our entire planet.

Survey camp

Department of Civil Engineering conducted Five day Survey camp on 6-12-2023 to 12-12-2023 for OJT students to develop their Surveying Skills.

Surveying has been an element in the development of the human environment since the beginning of recorded history. It is used in the planning and execution of most forms of construction. It is also used in transportation, communications, mapping, and the definition of legal boundaries for land ownership. It is an important tool for research in many other scientific disciplines.

Consultancy Work

Department of Civil Engineering Conducted Soil Test For Construction of Residential Building in Kuppam on 20th Sep 2023.

The consultancy work was carried out by the Civil Engineering Dept. for an amount of **Rs 40800** during the academic year of 2023–2024.

Faculty Publications

A paper on "Experimental Study on Concrete by Partial Replacement of Cement by Using Rice-Husk Ash" Published by Mr. L. Ravi Kumar in International Journal of Research and Analytical Reviews (IJRAR) April 2023.

A Paper on "Analysis , Design & Cost Estimation of Residential Building in Kuppam" Published by Mr. V S Satheesh in International Journal of Research and Analytical Reviews (IJRAR) during April 2023.

A Paper on "Experimental Analysis of

Laterite Cement Block with Silica Fume"
Published by Mr. N Abilash in International
Journal of Research and Analytical
Reviews (IJRAR) April 2023.

A Paper on" Sesimic Analysis of RCC
Structure Using Vertical Irregularies by
ETABS"Published by Mr.D.Radhakrishnan
Mr..Abilash in International Journal of
Research and Analytical Reviews (IJRAR)
April 2023.
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Department of Electrical And Electronics Engineering

Workshops

A One Day workshop on "Effective Communication Skills through Vocabulary Improvement" was conducted by the Department of EEE on 08-02-2023. Mr. K. Jayasimha, Assistant Professor, was the resource person for the event. Students from II, III & IV year B.Tech-EEE were participated and gained the communication skill through various activities conducted.

A One Day seminar on "Industrial Application of Power Electronics" was organized by the Department of EEE for the B. Tech. II, III & IV year students on 16-10-2023. Mr. Nageswar Rao, Technical lead, Power Electronics and Obsolescence Management, Bangalore, was invited for resource persons. During the session students are gained the knowledge about trends in Power electronics and its use in industrial motor controls, such as industrial automation, robotics, and power generation systems.

Webinars

One-Day webinar on "Future of Electric Vehicles" was organized by the Department of EEE for the B. Tech. final year students on 01-03-2023. Prof. Swetha Shekarappa. G Assistant Professor Dep. of EEE Alliance University, Bangalore, was the resource person. During the session the students are aware about trends and technology on EV Vehicles
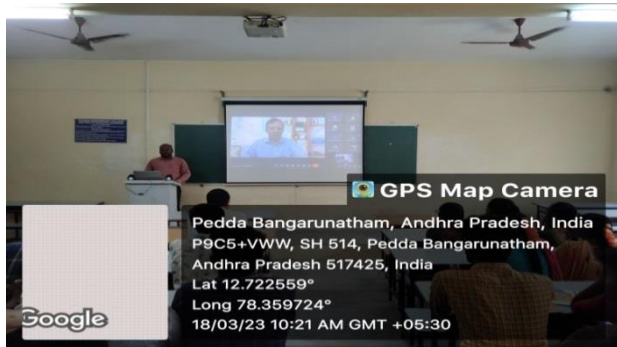

A One Day webinar on "Introduction to Design and Drafting using MEP Tools " was organized by the Department of EEE for the B. Tech students on 06-03-2023. Dr. Syed Moazzam Ali Technical Director, Tiba Engineering Consultants –Tech MEP Institute was the resource person. During the session students are able to know the use of MEP Tools for Design and Drafting of electrical circuits and devices and its controllers

A One Day webinar on "Practical Applications of Artificial Intelligence and

Machine Learning in Electrical and Mechanical Engineering" was organized by the Department of EEE for the B. Tech students on 18-03-2023. Mr. A. M. GovindKumar Vice President/ Zebpay (crypto/ Block chain) Chennai was the resource person. This session trains the students to apply AI technology in electrical and mechanical engineering

A One-Day program on "Career opportunities of Engineering Graduates through GATE Exam", was organized by the Department of E.E.E. for all the B. Tech. students on 20-04-2023. Mr. S. MM. Trinadh GATE/ESE Trainer, ACE Engineering Academy, Hyderabad was the resource person for the event. This session motivated the students for Gate Exam, through career benefits and opportunities with Gate exam.
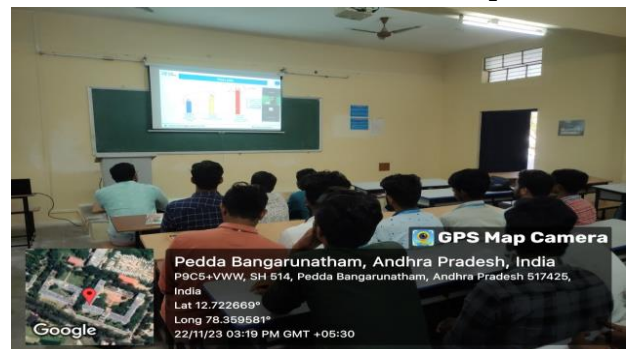

A One-Day webinar on "Intellectual Property Rights -Patents", was organized by the Department of E.E.E. for all the B. Tech. students on 15-07-2023. Dr. K. K.

BASEER Associate Professor/IT, Sree Vidyanikethan Engineering College, Tirupathi, was the resource person. This session given well aware about important of IPR and its use for career as entrepreneurs.

A One-Day program on "Career opportunities of Engineering Graduates through GATE Exam"has been organized by the Department of E.E.E. for all the B. Tech. students on 22-11-2023 by Mr.V.R.D.M Kausik Agastyaraj, GATTE/ESE Trainer, ACE Engineering Academy, Hyderabad, was the resource person. This session given well aware about important of IPR and its use for career as entrepreneurs.

A one-day webinar on "Electric Vehicles Design" has been organized by the Department of E.E.E. for the B. Tech. students on 06-10-2023 by Mr.Malaiyyappan. M, Founder & Director Pantech E-Learning Pvt Ltd, Chennai, Tamil Nadu.. Are invited as resource

persons, during this program, the basic of Electric Vehicles and how the Electric vehicles plays main role in automobile sector has been explained by the resource person.

Student Participations

K.MUNISAI attended an Internship On "Automotive two Wheeler Foundation" conducted by SIEMENS during 02/01/2023 to 07/01/2023

C.S. MANESH BABU attended Symposium Electryong-23 conducted by GCE – Burgur during 20/03/2023 to 21/03/2023

G.JAYACHANDRA attended a Symposium Electryong-23 conducted by GCE – Burgur during 20/03/2023 to 21/03/2023

B.REDDY PRASAD a attended Symposium Electryong-23 conducted by GCE – Burgur during 20/03/2023 to 21/03/2023

G.JAYACHANDRA attended a Placement Preparation Program conducted by Indian Institute of Placement during 27/05/2023 to 28/05/2023

C.S. MANESH BABU attended a Symposium Pragyptsav-2023 conducted by Aditya college of Engineering on 15/072023

K.MUNISAI attended a Symposium Pragyptsav-2023 conducted by Aditya college of Engineering on 15/072023

C.KARTHIKREDDY attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

G.GANAPATHI attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

K.NARAYANAGOWD attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

L.HARIKRISHNA attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

P.DAYASAGAR attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

RAMSUBBAREDDY DHARMARAJU attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

S.GANASHGOWD attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

C.CHAKRAVARTHY attended an Internship On "Artificial Intelligence Powered By Google" conducted by

SMART INTERNZ during 14.06.2023 to 04.08.2023

D.NAVEEN KUMER attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

G C THRIVENI attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

GANASH R attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

G HARISH attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

J MAHAMMAD attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

K GOPINATH attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

M SIVA attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

M YUVARAJU attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

M VAMSI attended an Internship On

"Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

M VENUNAIK attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

M ASHOKRAJU attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

P NARESH attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

P PAVANKAIYAN attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

Y JASWANTH attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023

Y GANESHKUMARREDDY attended an Internship On "Artificial Intelligence Powered By Google" conducted by SMART INTERNZ during 14.06.2023 to 04.08.2023.

Faculty Participation

Mr.V.SATHYAMOORTHY attended a online FDP on "Viksit Bharat 2047-Role of Engineering Faculty" conducted by RGUKT during 29/01/2023 to 02/02/2023

Dr. V SEKHAR attended a Project Expo on ANVESHANA conducted by Agastya International Foundation during

30/01/2023 to 31/01/2023

Mr. M. SEENIVASAN attended a Webinar on Fututre Of Electric Vechiles conducted by Rotary Club Of Global Scholars during 01/03/2023 to 01/03/2023

Mr. P. R. RAJEEV attended a Webinar on Fututre Of Electric Vechiles conducted by Rotary Club Of Global Scholars during 01/03/2023 to 01/03/2023

Dr. V SEKHAR attended a Training Program Masterclass On EV Design Using MATLAB conducted by APSSDC during 08/02/2023 to 09/03/2023

Mr. M. SEENIVASAN attended a Training Program Masterclass On EV Design Using MATLAB conducted by APSSDC during 08/02/2023 to 09/03/2023

Mr. P. R. RAJEEV attended a Training Program Masterclass On EV Design Using MATLAB conducted by APSSDC during 08/02/2023 to 09/03/2023

Mr. B. VENU REDDY KUMAR attended a Training Program Masterclass On EV Design Using MATLAB conducted by APSSDC during 08/02/2023 to 09/03/2023

Mr. V. PANDIYAN attended a Training Program Masterclass On EV Design Using MATLAB conducted by APSSDC during 08/02/2023 to 09/03/2023

Mr. B. VENU REDDY KUMAR attended a Training Program National Intellectual Property Awareness Mission conducted by National IP Awareness Mission during 01/04/2023 to 01/04/2023

Dr. V SEKHAR attended Conference SERB SPONSORED 2 Day National Symposium On Current And Futuristictrends In Nano Science And Technology (NSNST-2023) during 12/04/2023 to 13/04/2023

Mr. M. SEENIVASAN attended Conference SERB SPONSORED 2 Day National Symposium On Current And Futuristictrends In Nano Science And Technology (NSNST-2023) during 12/04/2023 to 13/04/2023

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Mr. B. VENU REDDY KUMAR attended Conference SERB SPONSORED 2 Day National Symposium On Current And Futuristictrends In Nano Science And Technology (NSNST-2023) during 12/04/2023 to 13/04/2023

Ms. K.RENUKA attended Conference SERB SPONSORED 2 Day National Symposium On Current And Futuristictrends In Nano Science And Technology (NSNST-2023) during 12/04/2023 to 13/04/2023

Mrs. A. ARCHANA attended E-QUIZ on INTELLECTUAL PROPERTY RIGHTS" during 26/04/2023 26/04/2023

Dr. V SEKHAR attended a Training Program on Mastering CAN Network:Vector CANoe,CANalyzer, CAPL & Theory conducted by UDEMY during 05/07/2023 to 05/07/2023

Mr. B. VENU REDDY KUMAR attended a one day FDP on "Power System Desing &

Analysis Using DigSILENT Power Factory Software" conducted by DELLSOFT Technologies during 24/07/2023 to 24/07/2023

Dr. V SEKHAR attended a 5 Day FDP on "Design and Development of Power Converters Electric Vechicles" conducted by JNTUA during 11/09/2023 to 15/09/2023

Dr. V SEKHAR attended a five day online FDP on "Design & Innovation on Wireless Communication with Advanced Technology" conducted by GATES Institute of Technology during 17/01/2024 to 22/01/2024

Mr. M. SEENIVASAN attended a five day online FDP on "Design & Innovation on Wireless Communication with Advanced Technology" conducted by GATES Institute of Technology during 17/01/2024 to 22/01/2024

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Mr. V. PANDIYAN attended a five day online FDP on "Design & Innovation on Wireless Communication with Advanced Technology" conducted by GATES Institute of Technology during 17/01/2024 to 22/01/2024

Mr.V.SATHYAMOORTHY attended a five day online FDP on "Design & Innovation on Wireless Communication with Advanced Technology" conducted by GATES Institute of Technology during

17/01/2024 to 22/01/2024

Mr. B. VENU REDDY KUMAR attended a five day online FDP on "Design & Innovation on Wireless Communication with Advanced Technology" conducted by GATES Institute of Technology during 17/01/2024 to 22/01/2024

Faculty Publications

A Paper on "Hybrids Electric Vehicle and Simulation Performance using isolated DC to Dc converter based MFO Algorithm" is Published by Dr. V Sekhar IOP Conference series: Materials science and Engineering Issn:1757-899X, Feb.2023

A Paper on "Hybrids Electric Vehicle and Simulation Performance using isolated DC to Dc converter based MFO Algorithm" is Published by Ms. K.Renuka IOP Conference series: Materials science and Engineering Issn:1757-899X, Feb.2023

A Paper on "A Cascaded Multilevel Inverter Design Based Harmonic Optimization Using TLBO Algorithm For Wind Energy System." is Published by Dr. V Sekhar IOP Conference series: Materials science and Engineering Issn:1757-899X, Feb.2023

A Paper on "Smart Attendance Monitoring System Using IoT." is Published by Dr. V Sekhar International Conference on Advanced Computing and Communication Systems (ICACCS), ISSN: 2575-7288, ISSN: 2469-5556, March 2023.

A Paper on "AI Based Solar Fed Single Phase Induction Motor Drive." is Published by Mr.V.Pandiyan International

Journal Of Research Ideas And Innovation in Technology(IJARIIT)

Issn:2454-132X, April 2023

A Paper on "AI Based Solar Fed Single Phase Induction Motor Drive." is Published by Mr.P.R.Rajeev International Journal Of Research Ideas And Innovation in Technology(IJARIIT) Issn:2454-132X, April 2023

A Paper on "Pedelec-Power Assist Bicycle." is Published by Mrs. A.Archana International Journal Of Research Ideas And Innovation in Technology(IJARIIT), Issn:2454-132X, April 2023

Faculty Patents

Dr.V.SEKHAR has published and Granted Patent on "Scooter for Kids" on 10/02/2023

Dr.V.SEKHAR, Mr. M. SEENIVASAN and Mrs. A.ARCHANA has published Patent on" Auto Crop Disease Detection and Medication by Using AI-Drone" on 04/04/2023

Dr.V.SEKHAR, Mr. P.R.RAJEEV and

Mr. B. VENU REDDY KUMAR on "Intelligent Instant Brick Kilns Machine" on 27/04/2023

Faculty Achievements

Dr.V.SEKHAR, Professor & HoD/EEE, has received an appreciation from management for his excellence service in the same institution from July-2011 to March 2022

Mr.P.KIRANKUMAR, Associate Professor has received an appreciation from management for his excellence service in the same institution from July-2011 to

March 2022

Dr.V. SEKHAR has received faculty coordinatorship certificate from BRAIN O VISION for National level FDP on AWS, dated 21-25 Aug 2023.

Mr. P.R.RAJEEV has received appreciation letter with prize money Rs.1000/- for his best performance in SGP subject with 100% pass

Mr. M.SEENIVASAN has received appreciation letter with prize money Rs.1000/- for his best performance in PSA subject with 100% pass

Ms. K.RENUKA has received appreciation letter with prize money Rs.1000/- for his best performance in AC Machines subject with 100% pass

Mr. V. PANDIYAN has received appreciation letter with prize money Rs.1000/- for his best performance in Instrumentation subject with 100% pass

Mr. B. VENUREDDY KUMAR has received appreciation letter with prize money Rs.1000/- for his best performance in Smart Grid subject with 100% pass

Student Topper List

Mr.C.THARUN KUMAR has received appreciation and won first prize for highest percentage of marks for the academic year 2022-2023 of 2019 to 2023 batch in the EEE department.

Mr.N.SUBRAMANYAM has received appreciation and won first prize for highest percentage of marks for the academic year 2022-2023 of 2019 to 2023 batch in the EEE department.

Mr.R.S.MIBARAK has received appreciation and won first prize for highest percentage of marks for the academic year 2022-2023 of 2019 to 2023 batch in the EEE department.

Student Achievements

C.KARTHIK REDDY has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 56% during 24/07/2023 to 13/10/2023

G.GANAPATHI has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 76% with Silver medal during 24/07/2023 to 13/10/2023

K.NARAYANA GOWD has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 55% during 24/07/2023 to 13/10/2023

L.HARIKRISHNA has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 73% with Elite medal during 24/07/2023 to 13/10/2023

R.DHARMARAJU has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 71% during 24/07/2023 to 13/10/2023

S.GANESH GOWD has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 60% with Elite medal during 24/07/2023 to 13/10/2023

C.CHAKRAVARTHI has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 72% during 24/07/2023 to 13/10/2023

D.NAVEEN KUMAR has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 61% with Elite medal during 24/07/2023 to 13/10/2023

G.C. THRIVENI has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 66% during 24/07/2023 to 13/10/2023

GANESH.R has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 60% during 24/07/2023 to 13/10/2023

J.MAHAMMAD has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 67% with Elite medal during 24/07/2023 to 13/10/2023

M.YUVARAJU has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 61% with Elite during 24/07/2023 to 13/10/2023.

M.VAMSI has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 60% with Elite medal during 24/07/2023 to 13/10/2023.

M. VENU NAIK has completed NPTEL course on Introduction to Industry 4.0 and Internet of Things with 62% with Elite medal during 24/07/2023 to 13/10/2023.

M.S.UDAYKIRAN has completed NPTEL course on Programming in JAVA with 52% during 24/07/2023 to 13/10/2023.

B.REDDY PRASAD has completed NPTEL course on Programming in JAVA with 67% with Elite medal during 24/07/2023 to 13/10/2023.

M.UPENRA has completed NPTEL course on Programming in JAVA with 60% during 24/07/2023 to 13/10/2023.

Department of Mechanical Engineering

Industrial Visit

A batch of second, third and Final Year Students of Department of Mechanical Engineering along with Three faculty Members visited Ashok Leyland Unit-II, Hosur, Tamil Nadu on 10th November 2023.

Industrial Visit

A batch of second and third Year Students of Department of Mechanical Engineering along with Two Faculty Members visited Deccan Hydraulics Pvt Ltd, KGF on 4th November 2023.

Workshop

1. Department of Mechanical Engineering organized a one day workshop on "Introduction of Non Structural Analysis Using Finite Element Methods, on 23rd October 2023. The resource person for the workshop is Dr. Nagasubbarayadu, Professor, Department of Mechanical Engineering, Anantha Lakshmi Institute of Technology and Sciences, Anantapur.

2. Department of Mechanical Engineering organized a one day webinar on "MEP Fabrication workflow in Revit", on 6th March 2023. The resource person for the webinar is Dr. Syed Moazzam Ali, Technical Director, Taiba Engineering Consultants certified by Govt. of A. P & Telangana.

Webinar

Department of Mechanical Engineering organized a one day Seminar on "Introduction to SAP Material Management (MM)", on 06 March 2023. The resource person for the workshop is Ms. Sweatha, Trainer, Aspire Techsoft, Bangalore.

Mr. Gopalakrishnan M, Assistant Professor, Department of Mechanical Engineering, registered his Ph.D. at M S Ramaiah Institute of Technology, Bangalore under Visvesvaraya Technological University, Belagavi, on May, 2023.

Paper Publications

Dr. S Sudhakar Babu of Mechanical Engineering Department published a paper titled "Investigation on Microstructure, Hardness, Wear Behavior and Fracture Surface Analysis of Strontium (Sr) And Calcium (Ca) Content A357 Modified Alloy By Statistical Technique", in Frattura Ed Integrità Strutturale, 65 (2023), pp.32-46.

Dr. S Sudhakar Babu, of Mechanical Engineering Department published a paper titled "Study On Microstructure, Tensile, Wear, and Fracture Behavior Of A357 By Modifying Strontium (Sr) And Calcium (Ca) Content", in Materials Physics and Mechanics, 51(2023): pp.127-138.

Mr. K Ganesh, of Mechanical Engineering Department published a paper titled "Investigation on Microstructure, Hardness, Wear Behavior and Fracture Surface Analysis of Strontium (Sr) And Calcium (Ca) Content A357 Modified Alloy By Statistical Technique", in Frattura Ed Integrità Strutturale, 65 (2023), pp.32-46.

Mr. K Ganesh, of Mechanical Engineering Department published a paper titled "Study On Microstructure, Tensile, Wear, And Fracture Behavior Of A357 By Modifying Strontium (Sr) And Calcium

(Ca) Content", in Materials Physics and Mechanics, 51(2023): pp.127-138.

Mr. K Ganesh, of Mechanical Engineering Department published a paper titled "Vibration Analysis of Heavy-Duty Truck Chassis for Enhanced Performance and Durability", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Mr. K Ganesh, of Mechanical Engineering Department published a paper titled "Structural Analysis of A Propeller Shaft Under Maximum Rotation Force", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Mr. K Ganesh, of Mechanical Engineering Department published a paper titled "Structural Analysis And Design Optimization of A Machine Tool Structure Under Static Loads Using CAE", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Mr. K Ganesh, of Mechanical Engineering Department published a paper titled "Vibration Analysis of Single Point Cutting Tool On Are Mission By Using FFT Analysis", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Mr. Nagesh N, of Mechanical Engineering Department published a paper titled "Study The Tool Vibration , Surface Roughness, Tool Wear In Dry Machining of High Carbon Chrome Alloy Steel Using Statistical and ANN Method", in International Journal On Interactive Design and Manufacturing, Accepted.

Mr. Nagesh N, of Mechanical Engineering Department published a paper titled "Vibration Analysis of Single Point Cutting Tool On Are Mission By Using

FFT Analysis", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Mr. Nagesh N, of Mechanical Engineering Department published a paper titled "Structural Analysis And Design Optimization of A Machine Tool Structure Under Static Loads Using CAE", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Mr. Nagesh N, of Mechanical Engineering Department published a paper titled "Vibration Analysis of Heavy-Duty Truck Chassis for Enhanced Performance and Durability", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

13. Mr. Nagesh N, of Mechanical Engineering Department published a paper titled "Structural Analysis of A Propeller Shaft Under Maximum Rotation Force", in International Journal of Creative Research Thoughts, 11(2023), pp. 2320-2882.

Patents

1. Dr. Naveen Kumar, Associated Professor, Department of Mechanical Engineering, Published and granted a patent on "Self Locking Wheels for Automotive Tools Trolley". The patent Design number is.6294369 and Grant date: 4th July 2023.

2. Dr. Naveen Kumar, Associated Professor, Department of Mechanical Engineering, Published and granted a patent on "Biogenic and Sustainable Production of Noble Metal Nanoparticles for Industrial Applications". The patent Registration number is. 202341075438

Reviewer

Dr. Naveen Kumar, Associate Professor, Department of Mechanical Engineering, has been recognized as an Elsevier Reviewer for Energy Journals, Materials Today Proceedings, International Journal of Automotive and Mechanical Engineering, University Malaysia Pahang and Journal of Advanced Research in Applied Sciences and Engineering Technology.

Editor

Dr. Naveen Kumar, Associate Professor, Department of Mechanical Engineering, acts as Editorial member, entitled "Real World Polymer Composite: Applications and Solutions" in Iterative International Publication (IIP), IIP ID: IIPER1680520958.

FDP's by Faculties

1. Faculty development programme participated by Mr. K Ganesh from 21/08/2023 to 25/08/2023 (Five days online) on "AWS (Cloud infrastructure)", organized by Brainovision solution India Pvt Ltd and All India Council for Technical Education AICTE.

2. Faculty development programme participated by Mr. Nagesh N from 21/08/2023 to 25/08/2023 (Five days online) on "AWS (Cloud infrastructure)", organized by Brainovision solution India Pvt Ltd and All India Council for Technical Education AICTE.

3. Faculty development programme participated by Dr. Naveen Kumar from 19/06/2023 to 24/06/2023 (Five days online) on "Advancements in Mechanical

Engineering", organized by Lakireddy Bali Reddy College of Engineering Mylavaram.

04. Faculty development programme participated by Dr. Naveen Kumar from 17/07/2023 to 21/07/2023 (Five days online) on "Future Scopes for Additive-manufacturing in Industrial and Bio Medical Applications ", organized by Aditya Engineering College Surampalam.

5. Faculty development programme participated by Dr. Naveen Kumar from 21/08/2023 to 25/08/2023 (Five days online) on "AWS (Cloud infrastructure)", organized by Brainovision solution India Pvt Ltd and All India Council for Technical Education AICTE.

6. Faculty development programme participated by Dr. Naveen Kumar from 21/11/2023 to 30/11/2023 (Ten days online) on "Advance Research Methodology", organized by Digiskills Center, ACT Academy Center Tami Nadu.

7. Faculty development programme participated by Dr. Naveen Kumar from 04/12/2023 to 09/12/2023 (Six days online) on "Cutting Egde Development and Research Frontiers in Mechanical Engineering", organized by SRM Maduri College of Engineering and Technology, Chennai. Tami Nadu.

8. Faculty development programme participated by Dr. Naveen Kumar from 01/02/2024 to 05/02/2024 (Five days online) on "Advances in Materials Technology for Next Generation Manufacturing ", organized by Ballari Institute of

Technology & Management, Ballari.

9. Faculty development programme participated by Mr. C Nawaz Basha from 21/08/2023 to 25/08/2023 (Five days online) on "AWS (Cloud infrastructure)", organized by Brainovision solution India Pvt Ltd and All India Council For Technical Education AICTE.

10. Faculty development programme participated by Mr. C Nawaz Basha from 17/07/2023 to 21/07/2023 (Fivet days online) on "Future Scopes for Additive-manufacturing in Industrial and Bio Medical Applications ", organized by Audytya Engineering College.

11. Faculty development programme participated by Mr. C Nawaz Basha from 11/09/2023 to 15/09/2023 (Five days online) on "Design and Development of Power Converts for Electric Vehicles", organized by JNTUA FDP CELL Ananthapur.

12. Faculty development programme participated by Mr. Rajesh S from 21/08/2023 to 25/08/2023 (Five days online) on "AWS (Cloud infrastructure)", organized by Brainovision solution India Pvt Ltd and All India Council For Technical Education AICTE.

13. Faculty development programme participated by Mr. Rajesh S from 01/02/2024 to 05/02/2024 (Five days online) on "Advances in Materials Technology for Next Generation Manufacturing ", organized by Ballari Institute of Technology & Management, Ballari.

14. Faculty development programme participated by Mr. R Bharath from

11/09/2023 to 15/09/2023 (Five days online) on "Design and Development of Power Converts for Electric Vehicles", organized by JNTUA FDP CELL Ananthapur.

15. Faculty development programme participated by Mr. V Rajendra from 21/08/2023 to 25/08/2023 (Five days online) on "AWS (Cloud infrastructure)", organized by Brainovision solution India Pvt Ltd and All India Council for Technical Education AICTE.

Workshop by Faculties

1. One day workshop participated by Dr. Naveen Kumar on 27/10/2023 entitled "Advancing Sensor Technology with IC Design Power Management & RNA Drugs for Muscle Aging Portable Sensor", organized by EduCare Taiwan.

2. One day workshop participated by Dr. Naveen 1Kumar on 22/01/2024 entitled "Real-Time Information about Admission, Scholarship ,Applicable Majors & Internship Opportunities", organized by EduCare Taiwan.

3. One day workshop participated by Dr. Naveen Kumar on 2/02/2024 entitled "IC design for different Applications, Innovative materials for Environmental & Biomedical Technologies", organized by EduCare Taiwan.

4. One day workshop participated by Mr. C Nawaz Basha on 28/08/2023 entitled "Business Skills Needed to Thrive in the 21st Century)", organized by SAE Mumbai BVP Sardhar Patel College of Engineering Mumbai.

5. One day workshop participated by Mr. C Nawaz Basha on 31/10/2023 entitled "Industry Academia Engagement Workshop on Emission Control strategies in Thermal Power Plant)", organized by OP Jindal University, Raigarh & Jindal Institute of Power Technology.

Student Achievements

1. Mr. Pani Pevin, of Mechanical Engineering department students, participated in the "MECH SPARK 2K23-CAD Modelling", organized by PMC Tech Er. Perumal Manimekalai College of Engineering, Hosur, on 12th October 2022 and won the First prize.

2. Mr. A Balaji, of Mechanical Engineering department students, participated in the "MECH SPARK 2K23-Technical Quiz", organized by PMC Tech Er. Perumal Manimekalai College of Engineering, Hosur, on 12th October 2022 and won the First prize.

3. Mr. Y Mohan Babu, of Mechanical Engineering department students, participated in the "MECH SPARK 2K23-Mr. Mechanic", organized by PMC Tech Er. Perumal Manimekalai College of Engineering, Hosur, on 12th October 2022 and won the First prize.

4. Ms. Thulasiveni, of Mechanical Engineering department students, participated in the "MECH SPARK 2K23-Technical Quiz", organized by PMC Tech Er. Perumal Manimekalai College of Engineering, Hosur, on 12th October 2022 and won the Second prize.

5. Mr. Sk Akbar Basha, of Mechanical Engineering department students, participated in the "Summer School Programme (SSP) – Poster Presentation", organized by Institute for Plasma Research, Gandhinagar, Gujarat, on 7th July 2023 and won the Best Poster Award.

6. Mr. Ambrush, of Mechanical Engineering department students, played a cricket in the "South Zone Inter University Cricket Men's Tournament", organized by Hindustan Institute of Technology and Science on 09th January 2024.

Articles by Teachers Nano Fluid:

A nanofluid is a type of engineered colloidal suspension made of nanometer-sized particles, called nanoparticles, in a base fluid such as water, ethylene glycol, or oil. The nanoparticles used can be made of metals, oxides, carbides, carbon nanotubes, or graphene nano-flakes. Nanofluids exhibit enhanced thermal conductivity and convective heat transfer coefficient compared to the base fluid, making them potentially useful in various applications including heat transfer, microelectronics, fuel cells, pharmaceutical processes, engine cooling, and machining

Nanofluids can be produced using several techniques, and the stability of the suspension is an important consideration. They can be synthesized using various materials, including metallic particles, oxide particles, carbon nanotubes, and graphene nano-flakes. A bio-based, environmentally friendly approach for the functionalization of multi-walled carbon nanotubes using clove buds has also been developed. In addition to their thermal properties, nanofluids also exhibit special acoustical properties and can be used as ultrasensitive optical sensors for detecting trace amounts of toxic cations or imaging defects in ferromagnetic components. They can also form ordered structures along the direction of an external magnetic field, resulting in strong diffraction of visible light in suspension.

However, it is important to note that some early studies indicating anomalous increases in nanofluid thermal properties have been largely discredited, and there are no anomalous or unexplainable effects observed in subsequent experimental studies. Theoretical papers continue to suggest anomalous enhancement via Brownian and thermophoretic mechanisms, but these claims are not supported by experimental evidence.

Thermal conductivity, viscosity, density, specific heat, and surface tension are some of the main thermophysical properties of nanofluids, which can be affected by various parameters such as nanoparticle type, size, and shape, volume concentration, fluid temperature, and

preparation method. Nanofluids are primarily used for their enhanced thermal properties as coolants in heat transfer equipment such as heat exchangers, electronic cooling systems, and radiators. They can also be used for controlled optical properties, enhancing polymerase chain reaction efficiency, in solar collectors, and in machining.

Role of AI in Mechanical Engineering

In the rapidly evolving landscape of engineering, the integration of Artificial Intelligence (AI) has become a game-changer, offering novel solutions and transforming traditional methodologies. Among the various engineering disciplines, Mechanical Engineering stands at the forefront of adopting AI techniques to enhance design, analysis, and optimization processes. In this article, explore into the essential role of AI in empowering Mechanical Engineering students, equipping them with the skills and knowledge needed to enhance in a technology-driven world.

1. Enhancing Design Capabilities: AI empowers Mechanical Engineering students to push the boundaries of design innovation. By leveraging AI-driven tools and algorithms, students can explore complex design spaces, generate optimized solutions, and accelerate the prototyping process. Machine learning techniques enable predictive modeling, aiding in the development of designs that meet performance criteria while minimizing material usage and production costs.

2. Streamlining Analysis and Simulation:

In the field of analysis and simulation, AI serves as a catalyst for efficiency and accuracy. Students can utilize AI algorithms to expedite computational tasks, such as finite element analysis (FEA) and computational fluid dynamics (CFD). These techniques enable students to gain deeper insights into structural integrity, thermal behavior, and fluid flow characteristics, facilitating informed decision-making in the design process.

3. Facilitating Autonomous Systems: AI plays a vital role in enabling autonomous systems in Mechanical Engineering. Through hands-on projects and coursework, students learn to design and implement AI-driven control systems for autonomous vehicles, robotic manipulators, and manufacturing processes. These experiential learning opportunities foster a deep understanding of AI principles and their practical applications in real-world scenarios.

4. Empowering Data-Driven Decision-Making: Data is the backbone of AI-driven innovation. Mechanical Engineering students are equipped with the skills to collect, process, and analyze vast amounts of data generated from sensors, simulations, and experimental tests. By harnessing data analytics and machine learning techniques, students can extract valuable insights, identify patterns, and optimize system performance in diverse engineering applications.

5. Fostering Interdisciplinary Collaboration: AI transcends disciplinary boundaries, fostering collaboration between Mechanical Engineering and other fields such as computer science, electrical engineering, and materials science. Through interdisciplinary projects and research initiatives, students gain exposure to diverse perspectives and cultivate essential teamwork and communication skills necessary for tackling complex engineering challenges.

Conclusion:

As we navigate the digital age, the role of AI in Mechanical Engineering education becomes increasingly paramount. By integrating AI concepts and methodologies into the curriculum, educators empower students to become adept problem solvers, critical thinkers, and innovators in their respective fields. Through hands-on experiences and collaborative endeavors, Mechanical Engineering students emerge as trailblazers, driving technological advancements and shaping the future of engineering.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

About Department

Electronics & Communication Engineering (ECE) Department was started in the year 2001 with the intake of 60 gradually it has been increased to 120 in the year 2002. Now it offers diploma program, undergraduate program, two postgraduate programs (M. Tech in VLSI Design & Embedded Systems) and Ph.D. program with affiliation to JNTUA and accredited by NBA in Tier-II for academic years 2018-2019 to 2020-2021, again re-accredited on the basis of Compliance Report for the Academic Years 2022-2023 to 2024-2025. The department has well experienced and dedicated faculty and staff of proven ability and diverse specialization. The faculties are actively involved in research in the areas of Image & Signal Processing, Antennas, VLSI, Wireless Communication and Internet of Things etc. The department is continually conducting professional activities such as Workshops, Faculty Development Programs (FDPs), Project Expo's and conducting the brain storming sessions on entrepreneurship for the students to become the technology-based entrepreneurs.

Department has bagged the DST funded projects titled "NewGen IEDC"– Sanctioned Amount – Rs.2,87,00,000/-; Started 2017 onwards and also received a grant of Rs 2,50,000 from UGC SERO, Rs. 1,00,000/- From IEI and received Rs:1,00,000/- from DST NIMAT; AICTE-MODROBS for AY 2019-2020, two DST-MSME Projects for 2020-21, 2021-22 Rs.60,00,000

Inauguration of IoT Centre of Excellence

Inauguration of NewGenIEDC funded "Centre of Excellence in Internet of Things" was held on 17th Feb 2024. The Chief Guest was Dr Naveen Vasista Scientist, New-Gen-IEDC, Advisory board member from DST, along with Prof. S B Sareen and the eminent personalities of our College Chairman Sri B.C.Nagaraj M.B.A, Vice Chairman Dr. N. Sunil Raj, CEO Sir N. Sagar Raj, Principal Dr. S. Sudharkar babu, and Heads of Departments of ME, EEE visited Centre of Excellence – IoT, for Inauguration and congratulated to Dr. G.N. Kodanda Ramaiah, Director R & D/HoD-ECE, and team.

Our Students Mr. S Nandhan & Team Participated in State Level competition Anveshna 2024, got 2nd Prize with cash award of Rs. -12000/, Titled as: **AI device for soil moisture** held at Mother Theresa Institute Of Engineering and Technology, Palamaner, Chittoor District.

అభినందించారు.

అన్వేషణ సైన్స్ ఫెయిర్లో సత్తాచాటిన కెఇసి విద్యార్థులు

కుప్పందూరల్, ఫిబ్రవరి 6 (ప్రభాతవార్త)

అగస్త్యా ఇంటర్నేషనల్ ఫౌండేషన్, సినాప్సిస్ సంస్థ సంయుక్త ఆధ్వర్యంలో పలమనేరు మదర్ థెరిసా ఇంజనీరింగ్ కాలేజీలో నిర్వహించిన అన్వేషణ సైన్స్ అండ్ ఇంజనీరింగ్ ఫెయిర్లో కుప్పం ఇంజనీరింగ్ కాలేజ్ విద్యార్థులు సత్తా చాటినట్లు కాలేజ్ చైర్మన్ టిసి నాగరాజ్ తెలిపారు. హర్షసూర విద్యార్థులు నందన్, రమేష్ సూర్య, గుడ్లనాయనపల్లి ఐటీహెచ్ఎస్ విద్యార్థులు దినేష్, ఇందులు రూపొందించిన వ్యవసాయ రంగంలో ఎఐ టెక్నాలజీ వాడకంతో 12వేల నగదు బహుమతి సాధించారు. అలాగే హర్షసూర విద్యార్థులు వరుణకుమార్, రామనాథరెడ్డి, కొత్తిండ్ల ఐటీహెచ్ఎస్కు చెందిన ప్రతిత, ఆషికల బృందం ఇనడోర్ ఎయిర్ మానిటరింగ్ అండ్ అలర్ట్ నమూనాతో జిల్లా సైన్స్ నాలుగో బహుమతిగా రూ 7500లు గెలుచుకున్నారు. నాగిరెడ్డి, పవన్కుమార్ బృందానికి సిఎస్ఐ హెడ్ఎడి డా. కోడందరామయ్యల ఆధ్వర్యంలో ఆనిమల్ రెపేలెంట్ ఫర్ ఫార్మర్స్ అనే నమూనాతో ద్వితీయ బహుమతిగా రెండు వేల గెలుచుకున్నారు. విద్యార్థులను చైర్మన్ టిసి నాగరాజ్, వైస్ చైర్మన్ డా. సునీల్ రాజ్, ప్రిన్సిపాల్ డా. సుధాకర్బాబు, వైస్ ప్రిన్సిపాల్ డా. భాస్కరన్, ఆర్అండ్డి డైరెక్టర్ డా. కోడందరామయ్య అభినందించారు.

Our Students Mr. V Varun Kumar & Team Participated State Level Anveshna 2024 Got 4th Prize with cash award of Rs: 7500/-, Titled as : **Indoor Air Monitoring system** held at Mother Theresa Institute Of Engineering and Technology palamaner Chittoor District.

The second and fourth place winners have been selected for the Hyderabad National level competition.

Our Students Mr.Gari Nagi Reddy & team Participated State Level Anveshna 2024. And Recived with a consolation reward of 2000/-. Titled as: **Animal Repellent for farmers** held at Mother Theresa Institute Of Engineering and Technology Palamaner Chittoor District.

Our Kuppam Engineering College students got Elite + Gold + Top 5 % Topper in NPTEL online Examination Jun-Oct 2023. On this achievement Management, the Principal, and the faculty members, congratulated NPTEL online course certified students for ranking in the Top 5 % topper of 25880 students across India with course titled Introduction of Internet of Things on 26.11.2023. This course was mentored by Dr. G. Kodanda Ramaiah, R & D, Director cum Head-ECE, Ms. Sumalatha, Asst. Prof., along with IIT Kharagpur, NPTEL-Coordinator Dr. K. Rasadurai, Professor, arranged online examination with NPTEL and also we have achieved 96 % of results out of 95 students.

Spoken Tutorial- IITM Online test for Arduino - Open Source software, Test was conducted by IITB Mumbai on 14.12.2023.

Arduino test organized by Dr. RASADURAI K, Kuppam Engineering College, Andhra Pradesh. with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training. Ms. M. Sumalatha from Kuppam Engineering College, Andhra Pradesh invigilated this examination. This training is offered by the Spoken Tutorial Project, IIT Bombay

Workshop

Electronics and communication Engineering Department has organized two days workshop on "PCB Design and Prototype Development'' on 14 to 15th Dec 2023, The workshop was outcome of this to learning knowledge about simulation tool to test electronics & electrical circuit in software environment, PCB design software named Cad soft EAGLE & to make physical PCB at home so that any student can make project on his own. Resource Person of this workshop was Dr. Mahammad DV , AcenAAr Technologies, Kurnool Convener, Total : 85 Students

successfully completed.

A Two-week National workshop on '**Python Programming'** was organized by Department of ECE in association with APSSDC and Kuppam Engineering College from 15-11-2023 to 28-11-2023. The workshop was organized with the objective of promoting the awareness and skills among the ECE students about Python Programming and its applications. The workshop resource person was Mr. N. Ravikumar Technical Executive APSSSC initially focused on introduction to python, its features and applications. The students got a chance to learn python data types, operators, control structures, functions, data structures, modules, packages, oops concepts, files, libraries of Data science thoroughly. Meanwhile the queries raised by the students were also answered in an efficient way in all the sessions by the resource persons.

ECE Department, Conducted One Week National Level Faculty Development Program on Cloud Infrastructure(AWS), organised by Kuppam Engineering College in association with *Braino vision, AICTE and MoE scheduled from 21.08.2023 to 25.08.2023. Time: 7.00 PM to 8.00 PM.

Dr. Buddha Chandrashekar, CEO & Founder at New World Software Pvt.Ltd & Chief Coordinating Officer MHRD AICTE Education Ministry at Ministry of Education as Chief Guest of this event.
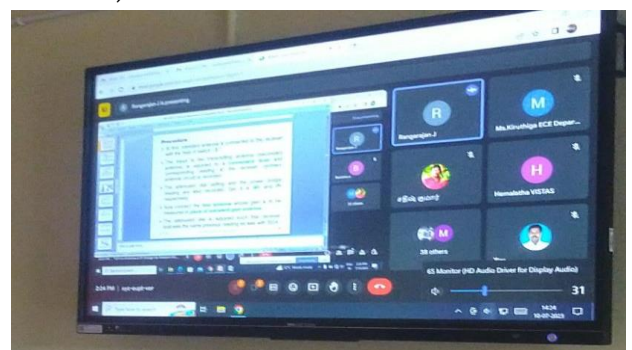

ECE Department, Conducted an online webinar on industry relationships in collaboration with Takshila Institute of VLSI Technologies, which was organized by the Department of ECE. The topic VLSI/Semi Conductor Industry, held on January 31, 2024 at 02:00 PM. Zoom Meeting: https://zoom.us/j/97756623220?pwd=cGZCWTRoMUM1eUQ4Y090UFd2dTZ6Zz09.
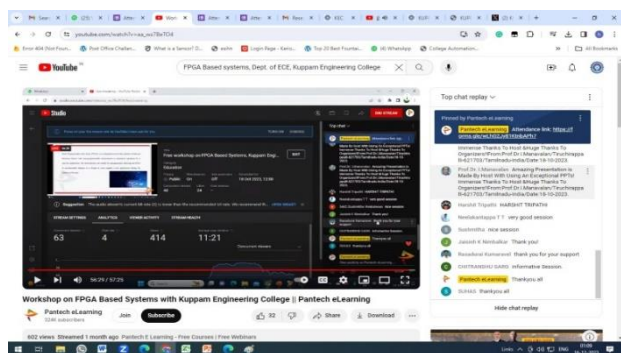

Our staff members, Dr. Santhosh B Panjagal and Mr. Lakshmipathy, conducted 2 days "IoT HANDs-ON TRAINING FOR DIPLOMA STAFF" at Y C JAMES POLYCHNIC COLLEGE during 01/09/23 to 02/09/23, at ECE Department, YC James Yen Government Polytechnic College, Kuppam.

Dr G N Kodanda Ramaiah, Professor, and Dr. K. Rasadurai, Professor, Department of ECE, KEC, acted as resource persons. Both were presented on the topic of "IoT & 6G/WiFi-6" in FDP-on "Recent Trends In Signal And Image Processing" at MTIET, Palamaner; on August 31, 2023 (FN Session).

ECE Department, conducted online Workshop on FPGA Based systems, Dept. of ECE, Kuppam Engineering College, 19.10.2023, 12:00-1:00PM, Link : YouTube link - https://bit.ly/3lWnpmh, Workshop Coordinator was Mrs. Suguna P.M, Pantech Solution

The Department of Electronics and Communication Engineering hosted a one-week hands-on course on "Data Communication Networks using Network Simulator (NS-2/NS-3)" from March 20th to March 26th, 2023. Principal Dr. S. Sudhakar Babu, M.E., Ph.D., addresssed to the students on the necessity of training in the latest design tools during the inaugural function. Prof. B. Narmada, M.E., Asso. Prof., HoD / CSE, Dhirajlal Gandhi College of Technology, Salem, Dr. K. Rasadurai M.E. Ph.D, Prof/ECE, Mr. G. Subramani M.E. (Ph.D), Asst. Prof. Ms. A. Lavanaya M.Tech, Asst. Prof. Dr. G.N Kodanda Ramaiah, Director R & D, cum HoD/ECE facilitated the resource person and delivered the vote of thanks.

The Department of Electronics and Communication Engineering organized an IETE sponsored "An International Seminar on Opportunities in Software Industries" held on 28.04.2023. Resource Person : Mr. Hari Prasad Jella, CEO and Founder – KASHYAK Technologies, Malvern, Pennsylvania, USA, Founder. Kalpatharu Foundation International

The Department of Electronics and Communication Engineering organized workshop on "**FPGA Based systems**", on 19.10.2023, 12:00-1:00PM YouTube link - https://bit.ly/3lWnpmh Resource Person Ms. Suguna P.M, Pantech e learning.

Department of Electronics and Communication Engineering organized TECHNOTHON -2K23 A National Level Technical Symposium on 24th April 2023, On this part following events conducted 1. Project expo, 2. Paper presentation, 3. Logo & advertising quiz , 4. Electro puzzle, 5. Technical quiz, 6. Coding.
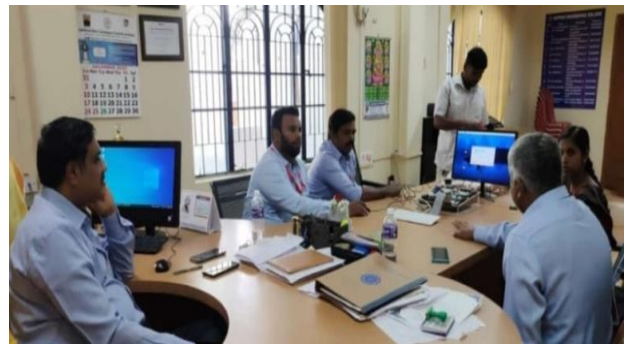

Technical Fest

The Department of Electronics and Communication Engineering organized College Level Technical Symposium organized on 3rd Feb 2024 to 10th Feb 2024 events are expected to encourage their innovation and research in the field of Engineering, Science & Technology and Management. It also gives the participants the ample of opportunity for exchanging the views and sharing Knowledge with wide spectrum of students
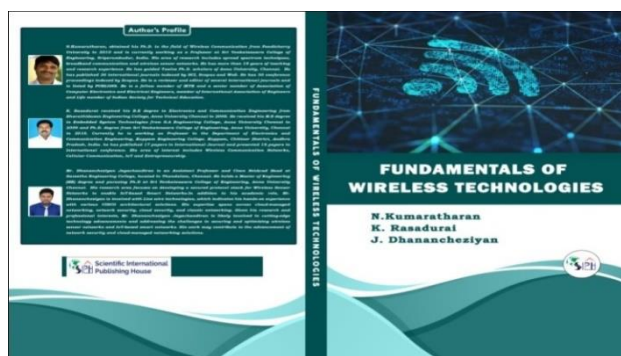

Demo on "Artificial Intelligence and Machine Learning based IoT trainer Kits was demonstrated for upcoming IoT Lab Training Kits and thier fecture to the Principal Dr. S. Sudharkar babu, and Dr. G.N. Kodanda Ramaiah, Director R & D/HoD-ECE and staff held on 08.12.2023.

Faculty book Publication

Dr. K. Rasadurai has witten a book on "Fundamentals of Wireless Technologies" book was published by Scientic

International Publishing House on 06-02-2024.

FDP Attended By Faculties

Dr. K. Rasadurai Attended ATAL FDP on Outcome-Based Research: VLSI Design And Modeling at Bharath Institute of Science and Technology Chennai From 11/12/2023 To 16/12/2023

Mr.G.Subramani Attended ATAL FDP on Outcome-Based Research: VLSI Design And Modeling at Bharath Institute of Science and Technology Chennai From 11/12/2023 To16/12/2023.

Mr.R.Selvarasan Attended ATAL FDP on Outcome-Based Research: VLSI Design And Modeling at Bharath Institute of Science and Technology Chennai From 11/12/2023 To 16/12/2023.

Dr.P. Ajay Kumar Reddy Attended NPTEL FDP ON Introduction to Machine Larning From Jul- 2023 to Oct 2023 (12 WEEKS)

Dr. K. Rasadurai attended an FDP on Artificial Intelligence in Andhra Pradesh Information Technology Academy Blackbuck Engineers Pvt Ltd. From 04 Oct 2023 to 07 Oct 2023.

Mr.T.Sivakumar attended an FDP on Artificial Intelligence in Andhra Pradesh Information Technology Academy Blackbuck Engineers Pvt Ltd. From 04 Oct 2023 to 07 Oct 2023

Mrs.RekhaKulkarni attended an FDP On Machine Learning and Deep Learning in Hyderabad Institute of Technology and Management From 20th October 2023 to

22nd Oct 2023

Dr.P.Ajay Kumar Reddy attended an FDP On Python Programming Pantech ElearningIETE Ranchi From 25/10/2023 to 14/11/2023

Dr. P. Ajay Kumar Reddy attended an NPTEL FDP on Entrepreneurship and IP StrategyFrom July-2023 to Sep-2023

Dr.P.Ajay Kumar Reddy attended an FDP on Recent Trends In Signal and Image Processing at Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Mr.G.Subramani attended an FDP on Recent Trends In Signal and Image Processingat Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Dr.G.N.KodandaRamaiah attended an FDP on Recent Trends In Signal and Image Processing at Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Mr.M.RanjithKumar attended an FDP on Recent Trends In Signal and Image Processing at Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Dr. K. Rasadurai attended an FDP on Recent Trends In Signal and Image Processing at Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Mr.R.Sudesh attended an FDP on Recent Trends In Signal and Image Processing at Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Mr.R.Selvarasan attended FDP on Recent Trends In Signal and Image Processing at Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Mr.G.Subramani attended FDP on Cloud Infrastructureat JNTUK UCEN Narasaraopet Andhra Pradesh From 21st

Aug-2023 to 25th Aug-2023

Mr.T.Sivakumar attended FDP on Cloud Infrastructure at JNTUK UCEN Narasaraopet Andhra Pradesh From21st Aug-2023 to 25th Aug-2023

Mr.R.Selvarasan attended FDP on Cloud Infrastructure at JNTUK UCEN Narasaraopet Andhra Pradesh From21st Aug-2023 to 25th Aug-2023

Mr.T.Sivakumar attended FDP on Emerging Trends In VLSI Design at Aditya College of Engineering Madanapalli From 1st Aug 2023 to 6th Aug 2023.

Mr.G.Vivek attended FDP on Recent Trends In Signal and Image Processing at Mother Theresa Institute of Engineering And Technology From 28/08/2023 to 01/09/2023

Mrs.RekhaKulkarni attended AICTE workshop On VLSI to System Design Silicon to end application Approach From 31st Aug 2023 to 4th Aug 2023.

Mrs.RekhaKulkarni attended FDP on Recent Trends and Research opportunity in Electrical Engineering at VIT Vellore From 7th June 2023 to 9th June 2023

Mrs.RekhaKulkarni attended AICTE FDP on Fundamentals of Data Science & Analytics – at VTU Joint Teachers Training Programme Centre for Post-Graduation Studies, VIAT, Muddenahalli, Chikkaballapur (Dist.) -562101 From 05th June 2023 to 09th June 2023

Mrs.RekhaKulkarni attended FDP on Digital Agriculturer High Throughput Plant at VIT Vellore Digital From 24th July 2023 to 28th July 2023.

Faculty Publication

Dr.G.N.Kodanda Ramaiah Published a paper Titled on Retraction Note to: An Efficient Human Face Verification On System Based On ELBP: A High Precision Feature by Journal of Ambient Intelligence and Humanized Computing,

Dr.G.N.Kodanda Ramaiah Published a paper Titled on Elliptic Curve Cryptography Based Homomorphic End-to-End Encryption Security in Cloud Computing by Mathematical Statistician and Engineering Applications -2022.

Dr.G.N.Kodanda Ramaiah Published a paper Titled on Backward movement oriented shark smell optimization-based audio steganography using encryption and compression strategies by Digital Signal Processing -2022

Dr.G.N.Kodanda Ramaiah Published a paper Titled on Advance Anti-PVT-Variation Low-Power Time-to-Digital Converter Design using 90 nm CMOS Process by International Conference on Materials, Computing & Communication Technologies (ICMCCT 2022) organized by AVCE, Kanyakumari 2022

Dr. K. Rasadurai Published a paper Titled on IOT Based Smart Notice Board Using Android App by International Conference on Recent Advances in Science, Engineering and Technology with ISBN – 978-81-961875-9-0 2023

Dr.K.Rasadurai Published a paper Titled on Baby Caring System Using Machine Learning by International Conference on Recent Advances in Science, Engineering and Technology with ISBN – 978-81-961875-9-0 2023

Dr.K.Rasadurai Published a paper Titled on IoT BASED Smart City Monitoring System For Water, Fire & Gas Leakage by Third International Conference on "Materials, Computing and

Communication Technologies" with AIP Conference Proceedings 2022

Dr.K.Rasadurai Published a paper Titled on AI Based Smart Surveillance System by International Journal of Scientific Research in Science, Engineering and Technology Print ISSN: 2395-1990 , Online ISSN : 2394-4099 DOI: https://doi.org/10.32628/IJSRSET229672 with Volume 10 Issue 1 Page No: 10-15-2023

Dr. K. Rasadurai Published a paper Titled on Design and Implementation of Image Enhancement using XSG by International Conference on Materials, Computing & Communication Technologies (ICMCCT 2022) organized by AVCE, Kanyakumari **Online ISSN : 2394-4099 , Print ISSN : 2395-1990** DOI: www.ijsrset.com Vol:9 Issue: 12 Pg.No: 452-49-2022

Dr.K.Rasadurai Published a paper Titled on Fundamentals of Wireless Technologies by SCIENTIFIC INTERNATIONAL PUBLISHING HOUSE with ISBN: 9789357575096 -2023

Dr.P.Ajay Kumar Reddy Published a paper Titled on Retraction Note to: An Efficient Human Face Verification On System Based On ELBP: A High Precision Feature by Journal of Ambient Intelligence and Humanized Computing ISSN:12:5127–5136 DOI: https://doi.org/10.1007/s12652-020-01965 - Vol:14, Suppl 1, Pages:351 351-2023

Mr. T.Siva kumar Published a paper Titled on Advance Anti-PVT-Variation Low-Power Time-to-Digital Converter Design using 90 nm CMOS Process International Conference on Materials,

Computing & Communication Technologies (ICMCCT 2022) organized by AVCE, Kanyakumari-2022

Mr.T. H. Jayasimha Published a paper Titled on Use of MGDI Technique to Implement Low Power and Region Efficient 4-Bit ALU by International Journal of Scientific Research in Computer Science, Engineering and Technology(IJSRCSEIT), ISSN:2456-3307 DOI: www.ijsrcseit.com Vol:8, Issue:7, Pages:29-38-2022

Mr.T. H. Jayasimha Published a paper Titled on Advanced Approximate Multiplier Design using Novel Twin-Phase 4:2 Compressors by International Conference on Materials, Computing & Communication Technologies (ICMCCT 2022) organized by AVCE, Kanyakumari-2022

Mr. G. Mukesh Published a paper Titled on Advanced Approximate Multiplier Design using Novel Twin-Phase 4:2 Compressors by International Conference on Materials, Computing & Communication Technologies (ICMCCT 2022) organized by AVCE, Kanyakumari.-2022

Mr. R. Selvarasan Published a paper Titled on Milk Adulteration Detection System by International Conference on Recent Advances in Science, Engineering and Technology with ISBN – 978-81-961875-9-0-2023

Mr. G. Subramani Published a paper Titled on Unified hardware for high-throughput AES-based Authenticated Encryptions by International Conference on Recent Advances in Science, Engineering and Technology with ISBN

– 978-81-961875-9-0-2023

Munirathnam Lakshmipathy Published a paper Titled on An adaptive serial cascaded auto encoder and LSTM with multivariate regression for ambient air quality prediction with improved flow direction algorithm by energy sources, part a: recovery, utilization, and environmental effects with 2023, VOL. 45, NO. 4, 10304–10329 https://doi.org/10.1080/15567036.2023.2243273

Munirathnam Lakshmipathy Published a paper Titled on Advanced ambient air quality prediction through weighted feature selection and improved reptile search ensemble learning by Knowledge and Information Systems https://doi.org/10.1007/s10115-023-01947-2023

Munirathnam Lakshmipathy Published a paper Titled on Air Quality Monitoring and Prediction systems: A Review by International Journal of Research and Analytical Reviews (IJRAR) (E-ISSN 2348-1269, P- ISSN 2349-5138)-2023

Patent

A smart Solar Charge Controller System using IoT Application No 2022 41010853 Date of filing 28-02-2022 Published

Agri-Moistiometer Application no 2023 41011349Date of filing 20-02-2023 Published

Patent Details of last Five years:
Total patent Published : 24

Research and Development Cell

Institution has created an ecosystem for innovation including incubation centre and other initiatives for creation and transfer of knowledge. The college has a Research and Development Cell to monitor and address the issues of research by a senior professor.

Functions of the R&D Cell:
Creating research traditions among faculty members and students.
Motivating to undertake minor and major research projects from various funding agencies.
Identification and assisting for finance from Management as well as funding agencies like DRDO, DST and AICTE.
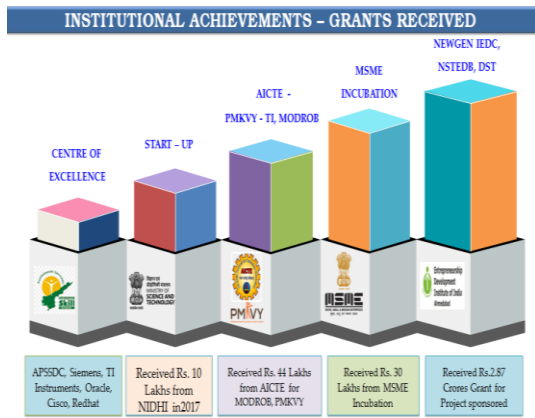
Research Grands Received

Title of the Project NewGen Innovation Entrepreneurship Development Centre, Principle Investigator Dr. G.N. Kodanda Ramaiah Mr. Santhosh B Panjagal Sponsored by DST- NSTEDB, New Delhi, Funding Amount Rs. 2.87 Crores Status % years Project 2022-2023 ongoing.

Title of the Project GreenDoctor a reliable Food Txoic detector Principle Investigator Dr. G.N. Kodanda Ramaiah Sponsored byMSME Incubator Funding Amount Rs. 15 Lakhs Status 2022-2023
Title of the Project Organic Fertilizer from horticulture waste Principle Investigator Dr. G.N. Kodanda Ramaiah Sponsored by MSME Incubator Funding Amount Rs. 13.5 Lakhs Status 2023-2024 Ongoing.

Title of the Project Friendly Forge - Bringing life to the fashion Dr. S. Nanda Kishor Sponsored by MSME Incubator Funding Amount Rs. 15 Lakhs Status 2023-2024 Ongoing.

INSTITUTIONAL ACHIEVEMENTS - GRANTS RECEIVED

Total Grants Received = Rs. 3.84 cr.

Students Startups

1. Name of Start-up Intellibin Solutions Pvt. Ltd (Smart Bin Project) Members R N Mohan G Priyanka Santhosh B Panjagal Funding Agency NSTEDB DST Govt. of India Student Startup NIDHI Scheme.

2. Name of Start-up Kuppam Electro Solutions Pvt. Ltd Members RITHIN K.THEDEVOS CHRISTO.V.G V Maheshwaran. S Nanda Kishor Funding Agency NewGen IEDC, Kuppam Engineering College.

3. Name of Start-up Damasmart (F2C Project) Members D.Bharath • M.Nirmal Kumar • K Ganesh Funding Agency NewGen IEDC, Kuppam Engineering College.

4. Name of the Start-up: Evezon private limited. Members Mr. S. Yaswanth, Mr. Prakash, Funding Agency NewGen IEDC, Kuppam Engineering College.

5. Exclor Academic solutions Pvt. Ltd. Kuppam, Members Mr. M. Ranjith Kumar, Mr. M. Sathiyanarayan, Funding Agency NewGen IEDC, NST-EDB DST Govt. of India Startup Scheme. In last five years, **Total 16 Start-up have been established.**

Pre Incubation Centre – NewGen IEDC

Students will be encouraged to take up innovative projects with the possibility of commercialization. KEC NewGen IEDC has a mission to "Promote knowledge-based and technology-driven start-ups by connecting young minds and their innovation potential in an academic environment". The college has an pre incubation unit for supporting the students in establishing the start-ups

Maker Space - Design Thinking

Maker spaces are gaining traction for the many benefits they provide students as these spaces are integrated into classrooms and schools. Maker spaces are designed to challenge students to create and learn through hands-on, personalized experiences throughout elementary, middle and high school.

COE- Internet of Things (IoT)

This lab has been setup to fulfill the following objectives: To skill the undergraduate and postgraduate students in the IoT and Embedded system design utilizing state of the art hardware boards and software's as per industry standards. To enhance research activities in different application areas of IoT like smart home, smart village, smart healthcare, smart grid, smart agriculture, industry 4.0 and wearable IoT devices, IIOT, etc.

MSME-BI Room

The main objective of the MSME-BI is to promote & support untapped creativity of individual and to promote adoption of latest technologies in manufacturing as well as knowledge based innovative MSMEs

Provides opportunity to the innovators in developing and nurturing their new innovative ideas for the production of new innovative products. Platform for Host Institutions (HI) to explore the new innovative ideas from the Incubates of various sectors which may be entrepreneurs or students from the any streams.

Internship In-plant Training Room

Internship In-Plant training (IIT) is a short duration training course for students to develop their skills relevant to professional development prior to graduation and get industrial knowledge which will help to understand what is actually happens in industry. Industrial Training is an essential

component in the development of the practical and professional skills required for an Engineer and an aid to prospective employment

Innovation and TinkerCAD LAB

Tinkercad is an intuitive online platform that enables users to create 3D designs, circuits, and simulations easily. It's widely recognized for its user-friendly interface, making it accessible for beginners and advanced users alike. With Tinkercad, you can bring your ideas to life through virtual modeling and simulation, making it a popular choice for educators, hobbyists, and professionals alike.

COE - Cognitive Radio & SDR

To upgrade the knowledge in advance microwave components and to measure the signal performance in spectrum and network analyzer. To analyze the performance of cognitive radio software defined device for research scholar through advanced software and hardware   antenna.
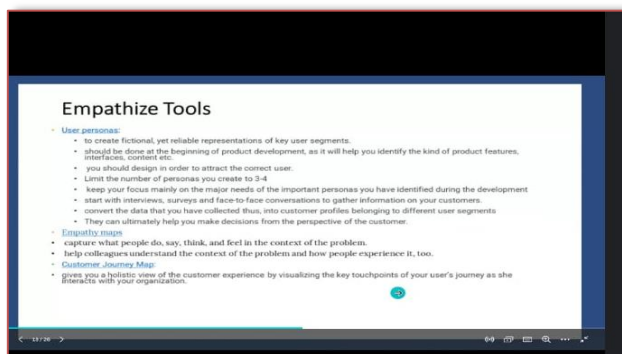
Department of Computer Science And Engineering

Awareness of MOOCs Course

Organized "**One Day Workshop on Awareness of MOOCs Course**" on 19th July 2023. Session handled by **Dr. K.Rasadurai, Assoc. Prof., Dept. of ECE.** The session was helpful for students to know the various online courses available in NPTEL and Swayam portal. And also students learn about registration procedure of course. Around 120 students were participated.
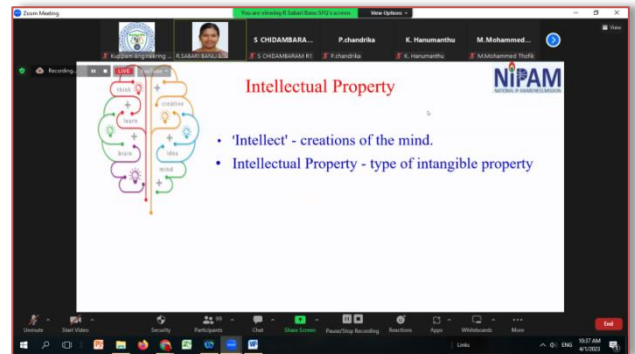

Seminar

Organized an "**One Day Seminar on Design Thinking** on 15-03-2023. The Speaker for the seminar is **Dr. ReebaKorah, Professor and Dean, Department of CSE, Alliance University, Bangalore.** Around 125 students were participated from the Third year CSE and benefited out of this interactive seminar on design thinking.

Seminar

Organized an "**One day Seminar on Awareness Program on Intellectual Property Rights**" on 01-04-2023. The session was handled by **Mrs. S. Sabari Banu, M.Tech., WomenScientist-C, WiseKiran IPRTIFAC, DST, New Delhi.** Around 350 students were participated.

Coding Club Activities

Coding club is a platform where the students will be able to develop and learn various skills like computer coding, Application development, Web development etc., The club focusing on conducting event like project expo, Technical Quiz, Technical Talk by students, Workshop, Seminar etc., **Ms. R. Jhonsy, III B.Tech., CSE,** had given technical talk on Java programming and tips for facing technical interview. Mr. Bharath and team organized Technical Quiz program.

Workshop

Organized Five days hands on Workshop on **"Advanced Applications for Web Development"** from **27th November 2023 to 01st December 2023**, which provided a platform for students to develop their knowledge on Web development through various advanced tools. The Speaker for the workshop on Mr. Akash Satdeve, Application Developer and Corporate Trainer. Around 120 students from the Third year were participated the event.

Workshop

Five Days workshop with hands on session "AI & ML ON IOT " organized from 19-07-2023 to 23-07-2023. Session handled by **Dr. Mohammed Dada, AcenAAr Technologies Pvt. Ltd.,** Students learned on future of AI, ML, and IoT, Challenges faced in the adoption of AI/ML in IoT, Opportunities and scope of AI and ML in IoT. Around 120 students from the Third year CSE were participated.

Value added course

Organized a six days value added course on **"Python Programming"** From 28-08-2023 to 02-09-2023. Session handled by **Mr. N. Ravi Kumar, Executive Technical from APSSDC (Andhra Pradesh State Skill Development Centre).** Around 50 students were benefited.

Value added courses

Organized a six days Workshop on "**Advanced Python Programming**" From 04-09-2023 to 09-09-2023. Session handled by **Mr. N. Ravi Kumar, Executive Technical from APSSDC (Andhra Pradesh State Skill Development Centre)**. Around 50 students were participated and benefited.

Value added courses

Organized Six days workshop on "**Industry Oriented Coding Technology using Python**" from **11th September 2023 to 16th September 2023**, which provided a platform for students to develop their

knowledge on coding technology through python. Session was handled by **Mr. N. Ravi Kumar, Executive Technical from APSSDC (Andhra Pradesh State Skill Development Centre).** Around 60 students were participated and benefited.
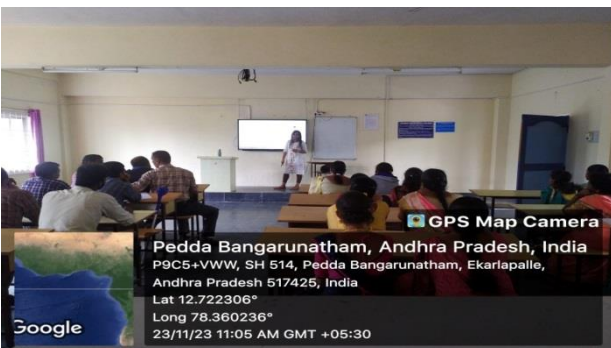

Workshop

We organized One Day Workshop on **"IOT in Drone Technology"** on 22-07-2023. The Speaker for the session is Mr. Shamiullah M.Tech., Associate Professor from PMC, Hosur. 100+ Students were attended and improved knowledge on Drone technology.

Seminar

One day seminar on **"Career Improvement Opportunities"** organized on 02-02-2024 for III B.Tech Students. The session was handled by **Dr. D. Jaya Kumar, Placement Officer** from our institution.

FDP

One Day FDP organized on "**Operating Procedure on SenseBoard**" on 23-11-2024. The session was handled by the Ms.T.Varalakshmi from Senses Electronics Pvt. Ltd., 30+ faculty members were participated and learned about handling smart class room.
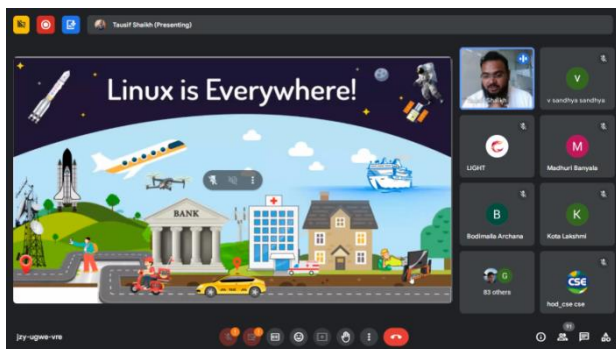

Seminar by Alumni

Our Alumni **Mr. K. Balakrishna (2015-19 batch)** presently working as **Senior Engineer** in **L&T Technology Service**, given seminar on **"Recent Trends in Data Science"** on 25-08-2023.

Webinar on RedHat Linux

We organized a Webinar on "Open Source – RedHat Linux Fundamental" in association with RedHat Academy on 20-02-2024. Mr. Tausif Shaikh, RedHat, MicroSoft & EC-Council Certified Instructor was handled the session. Around 100+ students were participated and the session was useful to the students. Students were gain the knowledge on Open Source and applications of RedHat Linux.

Students Achievements

G.R. NagiReddy and Team participated Anveshana - 2024 organized by Agasthiya Foundation in association with Synapsis on 31-01-2024, and baged the 4th price with the cash award Rs.2000.

G.R. Nagi Reddy, Mr. Pavan Kumar from IV B.Tech CSE initiated startup named as "SELEDUTECH SOLUTIONS" at KES.

Community Service Work By Students

Our Students are interestingly participated in Community Service Project. Around 120 Students participated various Service work in their locality for the academic year 2022-2023. Some of the photos are:

Sports Activities

JNTUA Organized University level Football Selection Event in our institution on 31st October 2023. **Mr. S.SREERAM** from **CSE IV B.Tech.,** was selected for University Football Team.

HARISH G, T.SAI CHARAN REDDY, ASHOK N, BHARATH KUMAR, THARUN G, MUKESH NAIDU, G.SAI KUMAR, MANJUNATHA REDDY, G.GANESH, G.NARESH REDDY ,G.NARESH REDDYparticipated and Won Runner in **Cricket Tournament** organized by **Sri Venkateshwara College of Engineering** between 17-04-2023 and 19-04-2023.

S.SREERAM IV B.Tech., represented for the JNTUA Football team played the south zone inter university tournament organized by **SRM Insttitute of Science and Technology,** Chennai

Internship

From our department 111 Students were undergone Short-Term Internship in the following organizations during the academic year 2022-2023.

- Skill Dzire
- Eduskills
- Kodnest
- Data valley
- Global Education Technology
- BIST Technologies Pvt.Ltd

Faculty Publications

Dr. K. Logesh, **Radiographic based bone fracture detection using artificial intelligence**, International Conference on Artificial Intelligence, Robots and Mechanical Engineering, ISBN: 978-93-90150-28-1, 1/2024.

Dr. K. Logesh, **Block chain and Machine Learning Integrated System for Transparent Vaccine Distribution Management and Disease Prediction**, Punjabi Academy , Samdarshi, Publication Volume-16, Issue-2, 2023.

Text book on "**Cross Layer Network Design – Design and Implementation**", Lambert Academic Publishing, 978-620-6-16053-35/2023, by Dr. K. Logesh.

Mr. K. Prakash, **A Novel LRKS-WS QoS Model for Web Service Quality Estimation Using Machine Learning-**

Based Linear Regression and Kappa Methods, **Mr. K. Prakash**, Springer Nature Singapore, International Conference on Frontiers of Intelligent Computing: Theory and Applications, Page 565-575, 4/2023.

Mr. K. Prakash, Mrs. Y. Suneetha, **Predictive performance Analysis of Multi Vitamins Using Machine Learning**, International Journal Of Analytical And Experimental Modal Analysis, Volume-15, Issue-3, Page-30-36, 4/2023.

Dr. S. Gnanamurthy, **AI-Powered Healthcare System to Fight the COVID-19 Pandemic on Federated Learning**, IGI Global,Federated Learning and AI for Healthcare 5.0, Page:178-2021 1/2024.

Dr. S. Gnanamurthy **Machine Learning Based Healthcare Service Dissemination Using Social Internet of Things and Cloud Architecture in Smart Cities** Sustainability, Volume:15, Issue:6, Page:5457, 4/2023.

Mr. A.V. Santhosh Kumar, **Analysis of Deep Learning based approaches for Spam Bots and Cyber bullying detection in online Social Network**, AI-Centric Modeling and Analysis – Concepts, Technologies and Applications, ISBN:9781003400110, 12/2023.

Mr. S. Babu, **A Review on analyzing and predicting the state of cancer disease using machine learning algorithms**, 3rd International Conference on Innovative Mechanisms for Industry Applications, ISBN:979-8-3503-4362, Page:851-860, 12/2023.
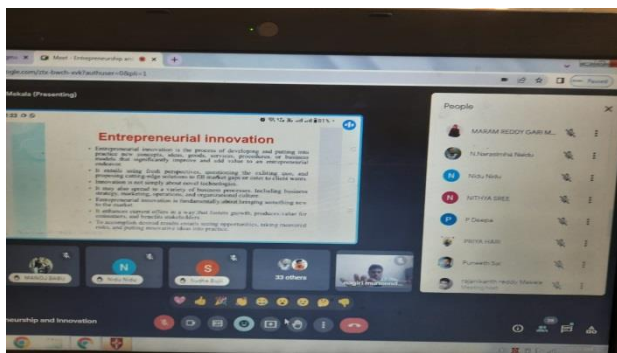
Mrs. S. Saranya Devi, **A Revolutionary towards Quantum Computing Over Decades**, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), ISSN: 2320-9801, Volume-11, Issue-12.

Mrs. S. Saranya Devi, Mrs. K. Shandhini, Ms. A. Lydia, **Computational Statistics of the Big pattern of Physical Education in Social Media**, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE), Volume-11, Issue-11, Page-11537, 11/2023.

Mrs. S. Saranya Devi, Mrs. K. Shandhini, Mr. G.S. Udyakumar, Ms. A. Lydia, **XGB-Classifier for Detecting Parkinson's Disease**, International Journal of Innovative Research in Computer and Communication Engineering (IJIRCCE) Volume-1, Issue-12, Page-11747, 12/2023.

Department of Master of Business Administration

Seminar

Department of Management Studies of has organized a National level Seminar on **Entrepreneurial Innovation** on 09-09-2023. Dr.M.Rajanikanth Assistant Professor GITAM University Hyderabad was the resource. In this seminar we encouraged students for getting new ideas and talents to become future entrepreneurs.

Industrial Visit

Organized an industrial visit for students at Shakthi Ferro Alloys India Pvt. Ltd, this visit made the student practical approach on manufacturing process of alloys, and Materials Management techniques followed by the organization. The visit was on 10-01-2024.

Faculty Publications

1. A Paper on "Consumer Buying Behavior: Factors Swaying An Exploratory Study on Hyderabad retail Market" published by Dr. N Muneendra Journal of Emerging Technology's & Innovative Research June 2023.

2. A Paper on "Trends and Awareness of Rural People towards Health Insurance" Published by B Usha Rani & B Bhargavi Journal of Enhanced Research in Management & Computer Application January 2024.

3. A Paper on "Understanding Women's progress in India – A Critical Analysis" Published by K Kalpana & R Aishwarya Journal of Enhanced Research in Management & Computer Application January 2024.

4. A Paper on" Private Bus Passenger Behavior "with Special reference to Bangalore City Published by D Srinivasulu & R Nadiya Journal of Multi-Disciplinary Research (IJFMR) January 2024.

Three Days Programme on Meditation

Organized "Three Days Programme on Meditation" from 05-09-2023 to 07-09-2023. The trainer from Heartfulness Sri. Ugranam Murali addressed and trained the students in Meditation.

Induction Programme

Organized "Induction Programme" for the first year students about Career opportunities in the field of Engineering on 14-09-2023. Placement Officer Dr. Jayakumar of our College addressed the students.

Awareness on Yoga

Conducted "Awareness on Yoga" on 20-09-2023 Sri. Ganesh Yoga Master addressed the students and taught some asana to keep the body and mind healthy.

I-B.Tech Inauguration

First Year Classes for the Academic Year 2023-2024 was inaugurated on 10-10-2023 by our honorable Chairman Sri. B. C. Nagaraj, Vice-Chairman Dr. N. Sunil Raj and the CEO Sri. N. Sagar Raj. The chief guests of the programme are Sri. Naveen Nagaraj, Managing Director and Sri. Akshay V Agasthya, Vice President of learning and Development in Genesis.

Two Days Orientation Programme

Conducted "Two Days Orientation Programme on Soft Skills, Time Management, Stress Management, Aptitude and Reasoning" on 10-10-2023 and 11-10-2023. The trainers Dr. Anupama, Sri. Anandh and Sri. Mukundhan are given training to the students.

Young Ramanujan's Mathematics Fest-2K23

Organized "Young Ramanujan's Math's Fest-2K23" on 29th December 2023. In this Fest "Maths Genius" and "Bhaskaracharya Quiz" events were conducted. Intermediate students of various Junior Colleges were participated in the Fest.

Faculty Publications

Dr. C. G. Saravana, "Open Educational Resources: A Case Study of NPTEL Content", Bulletin for Technology and History, ISSN No.: 0391-6715, Volume 24, Issue 1, January 2024.

Mr. M.Gangadharan, "Activity Based Grammar Teaching", International Journal of Science and Research, Volume: 13, Issue: 1, January 2024.

Mrs. S. Agila, "A Study on Different Types of Edge Sequence in Pseudo Regular Fuzzy Graphs", Sacred Heart Research Publication, ID: 2091114680, May 2023.

Mr. C. Sathish Prabu, "Electrochemical Studies of Reactive Blue - 4 on Glassy Carbon Electrode with Polyaniline", International Journal of Current Research in Chemistry and Pharmaceutical Sciences, DOI: 10.22192/ijcrcps, Volume 11, Issue 1- 2024.

Career Development Centre

Career Kick Starter Program

A 2 days Program on "**LinkedIn Career Kick starter Program**" was conducted on 17th and 18th July 2023. The students of 2nd and 3rd year B.Tech attended the session. This session helped the students to find the right job or internship, connect and strengthen professional relationships, and learn the skills they need to succeed in their career.

Life & Interpersonal Skills Enhancement Program

Organized a Program on "Life & Interpersonal Skills Enhancement" on 26th Sep 2023 . Session was handled by Mrs.Totta Anupama for 2nd year B.Tech students. In this session the importance of Communication and Life Skills was explained by the trainer. Students had a great experience and gained knowledge about the skills required to improve their intra and inter personal skills.

Seminar on Transformation from School to College.

A seminar Session on "Transition from School to College" was held for the Students of 1st year B.Tech. The Session was handled by Mr. Naveen Nagaraj (MD Genesis) & Mr.Akshay V Agastya (Vice President L&D). They explained about the Transitioning from school to an engineering college, which encouraged the students to face the challenge and achieve personal and professional growth.

Induction Program on Personality Development

A One day Induction Program on **"Personality Development"** was organized on 11th Oct 2023. Students of 1st year B.Tech attended the training. The Speaker of the session **Mr. Anand & Mr.Mugundan** explained about the need to improvise the communication and Interpersonal skills to grab the seat in one of the big corporates.

Aptitude Training

A 3 days Aptitude and reasoning Training was arranged for 4th year B.Tech students from 20 Nov to 22 Nov 2023. Trainer Mr.Rohith handled the session. This event

is designed to equip students with the essential tools and strategies needed to excel in various aptitude assessments commonly used by employers during recruitment processes.

Technical Training: Java with data structure

Five days Technical Training was conducted for 4th year B.Tech students. Technical Trainer **Mr. Silambarasan** handled the session. The session was based on Java with Data Structures. The students attended the training and gained immense knowledge about the technical topics. The technical training on Java helped students to have increased employability, enhanced problem-solving abilities, and a solid foundation in programming that can serve as a valuable asset throughout their careers.

Mock Interview and Resume Building

A two days training was arranged for the final year students on 26th and 27th Nov 2023.The training was based on the Resume building and interview skills.

Mr.Rajev handled the session. Students attended mock interviews and practiced to response common interview questions, refine their communication skills, and gain confidence in their ability to articulate their qualifications and experiences effectively. It also helped candidates to gain confidence, refine their skills, and better prepare themselves for various scenarios that they may encounter in the actual job search and interview process.

Training on Time Management Skills

Organized a one Day Training on **"Time Management Skills"** to 4th year B.Tech on 4th Nov 2023. The Session was handled by **Mrs. Shobha,** the trainer explained the concepts of Time Management to increase the focus, organizing and planning how to divide your time between different activities.

Technical Training on C and Data Structure

Organized a 15 days technical training on "C and Data Structures" to 4th year students from 18th Dec 2023 onwards. Session was handled by **Mr.Srinivas,** Corporate Trainer**.** The trainer explained about the importance of Technical skills which helped students to improve their capabilities to perform company specific interviews.

Technical event on Python

Organized a two week technical training for final year B.Tech students from 4th to 15th Dec 2023. Technical trainer **Mr. Praveen Kumar** explained the students about the python concepts. The training provided a hands-on experience and practical knowledge which helped the individual students become proficient in Python programming.

Technical Training Awareness session

A Orientation Program **on "Technical Domain Training for Placement in reputed IT sector"** was conducted on 25th Jan 2024. The Session was handled by **Mr.Sathish**, Students of 2nd and 3rd year attended the session. The trainer explained about the importance of technical domain based training and the essential of being competitive and innovative to achieve success in today rapidly changing technological landscape.

Domain Based Training -IOT and Cyber Security - DFIR

Organized a 21 days training on "IOT and Cyber Security - DFIR" from 2nd Feb 2024 onwards. The Session was handled by the Technical Trainer Mr.Sai Sasikumar & Mr.Prakash, Final year B.Tech students attended the session and gained knowledge on IOT and cyber security tools which help them to use in a practical way.

Ekarlapalle, Andhra Pradesh, India
P9F5+3GJ, Ekarlapalle, Andhra Pradesh 517425, India
Lat 12.722635°
Long 78.359074°
24/01/24 10:32 AM GMT +05:30

Session on Trends and Expectation in Industry 4.0 (HR Conclave)

Organized One Day HR Conclave on **"Trends and Expectation in Industry 4.0"** on 3rd Feb 2024.The Session was handled by **Mrs. Julie Krubhavathi (Sr. HR Manger) and Mr. Muthu Sivanantha Moorthy (Hr /Social Worker)**. Students of 2nd and 3rd year B.Tech attended the session and learnt about the skills required for placement and building a professional network.

Placement Day

Placement Day Celebration was organized by Career Development cell to the 2023 passing out students on 09th May 2023. We have achieved **289 offers** from various 67 Top companies. All the placed students and their parents were participated. Our KEC Honorable Chairman, Vice Chairman, CEO has distributed the offer letters to all the successfully placed students.

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National Service Scheme

World Environment Day

On the occasion of World Environment Day, The NSS unit created awareness on the importance of trees and planted more than 20 Saplings in Kuppam Town and College Premises on 5-06-2023.

Free Eye Checkup Camp

Conducted "Free Eye Checkup Camp" on 10-06-2023 collaborated with Lions Club of Kuppam Warriors in PES Urban Health Centre, Kuppam. And more than 200 members were benefited through this camp.

International Yoga Day Celebration

Conducted "A secret to retain beauty of body and mind" on 21-06-2023. Sri. Ganesh yoga master addressed the students and taught asanas to improve their concentration.

Free Health Check-up Camp

Conducted "**Free Health Checkup Camp**" on 8-07-2023 collaborated with Lions Club of Kuppam Warriors. Doctors did Sugar Test, Blood Pressure Checkup and General Checkup. More than 150 members were benefited through this camp.

Maintenance of Planted Saplings

The NSS unit is not only planting the saplings and taking care of the saplings even after the plantation. Due to the Monsoon season in the month of July our team cleaned the surrounding of the planted saplings on 11-07-2023.

NEET Survey

Conducted "Neither Formal Education and Nor Employment Survey" on 25-07-2023 at Settipalli Village in Gudupalli Mandal. It is all about the age group of 15-29 who are in neither formal education nor employment. Volunteers visited the 50 houses in the village and done the survey.

Plantation Programme

Organized Plantation Programme on 27-7-2023 in the football ground of our college. Students actively participated in the event and planted 20 saplings

Donation of Push Carts

NSS Unit collaborated with Lions Club of Kuppam Warriors organized an event "Donation of Push Carts". It is donated by the Chairman Sri. B. C. Nagaraj, Vice-Chairman Dr. N. Sunil Raj and CEO Sri. N. Sagar Raj to the vegetable vendors in the Kuppam Town.

Meri Mati Mera Desh

Conducted sapling plantation programme in our campus on 12-08-2023. The NSS Volunteers planted 75 saplings on this event. Various kind of shadow giving saplings were planted.

International Youth Day Celebration

Conducted an Essay Writing Competition on 12-08-2023, "Indian Culture and Tradition" in Srinivasa Ramanujan Seminar Hall.

National Sports Day Celebration

Birth Anniversary of Hockey Legend Major Dhyan Chand Singh is celebrated on 29-8-2023. Students paid tribute.

Free Dental Check-up Camp

Organized "Free Dental Checkup Camp" on 02-09-2023 at Peddha Bangarunatham Village. Dental Doctors from KC Hospital kuppam took part in it. More than 75 adult and 30 kids were benefited through this camp.

Teacher's Day Celebrations

Celebrated "Teacher's Day" on 05-09-2023. "Teachers are responsible for shaping and moulding careers of thousands and thousands of students", on this occasion students paid gratitude to Sarvepalli Radhakrishnan.
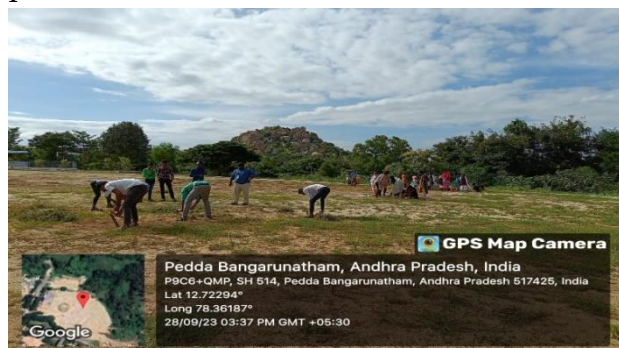

Food Distribution

Food served to the devotees during the Maha Kumbabishekam of the Lord Shiva temple on 13-09-2023 in Mallappa Konda, Gudupalli.

Engineer's Day Celebrations

Celebrated "Engineer's Day" on 15-09-2023. Staff and Students paid tribute to Sir Mokshagundam Visvesvaraya.

Free Heart Checkup Camp

NSS Unit and Lions Club of Kuppam Warriors jointly organized "Free Heart Checkup Camp" on 24-09-2023 at BRD Hospital, Kuppam.

Swachhata Hi Seva

Conducted "Swachhata Hi Seva" on 28-09-2023 in our college premises. The NSS Volunteers cleared the unwanted grasses, papers and water bottles thrown in college premises.

One hour Shramdaan for Swachhata

Conducted one hour cleaning programme on 1-10-2023. The NSS Volunteers cleaned road sides and wastages near the shops for one hour in Pedda Bangarunatham village.

Gandhi Jayanthi Celebrations

Celebrated "Gandhi Jayanthi" on 02-10-2023. Chairman Sri. B. C. Nagaraj and the NSS Volunteers paid tribute to Mahatma Gandhi on this occasion.

RASHTRIYA EKTA DIWAS

Celebrated"RASHTRIYA EKTA DIWAS" on 31-10-2023. Staff and students paid tribute to Sardar Vallabhai Patel and took RASHTRIYA EKTA DIWAS PLEDGE.

Cleaning & Maintenance of planted saplings

Conducted "Cleaning & Maintenance of planted saplings" on 02-11-2023 in our College premises. Our volunteers cleaned the places near by the cricket ground and poured water to all the saplings

Awareness on Voter's ID Enrollment

Conducted "Awareness on Voter's ID Enrollment" on 30-11-2023. Chief Guest Sri. Srinivasulu Revenue Department officer, Smt. Sridevi Election Deputy Tahsildhar addressed the students

AIDS Awareness Rally

Conducted "AIDS Awareness Rally" on 1-12-2023 at Pedda Bangarunatham and created awareness among the people in the village.

E-waste Collection

NSS Unit conducted "E-waste Collection" on 18-12-2023 collaborated with Lions Club of Kuppam Warriors. The NSS Volunteers collected E-waste and handed over to Lions Club of Kuppam Warriors.

Srinivasa Ramanujan's Birth Anniversary

On 22-12-2023 the staff and the NSS volunteers paid tribute to Srinivasa Ramanujan on his Birth Anniversary.

Blood Donation & Blood Grouping Camp

Conducted "Blood Donation and Blood Grouping Camp" on 27-12-2023. In this camp total 15 units of blood donated by our students and 120 students checked their blood groups.

National Youth Day

National Youth Day Celebrated on 12-01-2024.Mr. J. Madhavan NSS Officer addressed the students and the National Youth Day pledge was taken.

National Voter's Day

The Students stood in the form of "Right to Vote" and created awareness for "New Enrolled Voters". They attended interaction session of our honourable Prime Minister Narendra Modi's through video conference programme. Finally they took National Voter's Day Pledge.

Push Carts Distribution to the poor vendors

The NSS unit and Lions Club of Kuppam Warriors donated Push Carts to the poor vendors in kuppam. The Chairman Sri. B.C. Nagaraj, Vice Chairman Dr. N. Sunil Raj & CEO Sri. N. Sagar Raj sponsored the push carts.

INDUSTRY SUPPORTED LABS

SIEMENS Computer Based Training
SIEMENS Manufacturing and CNC
SIEMENS Manufacturing and Welding
SIEMENS Auto Four Wheeler
SIEMENS Auto Two Wheeler
SIEMENS Office Electronics
SIEMENS Home Electronics

ORACLE ACADEMY
TEXAS INSTRUMENTS
CMSEC AFSSDC
Skill
DASSAULT SYSTEMES
RED HAT ACADEMY
PMKVY
AUTODESK
CISCO
Department of Science and Technology Government of India

COURSES OFFERED :

DIPLOMA COURSES :
Diploma - Electrical and Electronics Engineering
Diploma - Mechanical Engineering
Diploma - Electronics and Communications Engineering
Diploma - Computer Engineering

ENGINEERING UG :
B.Tech - Civil Engineering
B.Tech - Electrical and Electronics Engineering
B.Tech - Mechanical Engineering
B.Tech - Electronics and Communications Engineering
B.Tech - Computer Science and Engineering
B.Tech - Artificial Intelligence and Machine Learning
B.Tech - Data Science

ENGINEERING PG :
M.Tech - Power Electronics
M.Tech - Machine Design
M.Tech - Embedded Systems
M.Tech - VLSI
M.Tech - Computer Science and Engineering

BUSINESS SCHOOL :
M.B.A., (Master of Business Administration)

ENGINEERING Ph.D. :
Ph.D., (EEE), Ph.D., (ECE)

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