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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. SUNIL RAJ, 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

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

Events @ KEC

Annual Day 2022

College annual day was celebrated on 27-12-2022. Telugu cine hero Mr. Varun Sandesh was the chief guest for the event. Students from various departments performed cultural events on stage.



Birthday Celebration

On the occasion of our Vice - Chairman Dr. N. Sunil Raj's birthday on 17-June-2022, staff of BCN Group Institutions celebrated in our college campus. On this auspicious occasion, meritorious students from Government Schools were awarded cash prize and mementos.



Graduation Day 2022

Graduation day was held grandly at Kuppam Engineering College on 4th January 2022. Graduates of 2020 and 2021 were received their degrees. The chief guest for the program is Prof. Ranga Janardhan garu, Vice Chancellor of JNT University, Ananthapur, addressed the graduates and awarded degree certificates to 340 graduates. Sri. B.C. Nagaraj Garu, Dr. N. Suni Raj Garu, 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.



Sports Fest 2022

On the occasion of sports fest in the college different sports & games are conducted like cricket, shuttle badminton, tennis, basket ball, running race, table tennis, kho kho, volley ball , chess etc. conducted for both girls and boys.

On the last day of sports, Prizes are distributed by Chairman Sri BC Nagaraj Garu and Vice-Chairman Dr. N Sunil Raj Garu and CEO N. Sagar Raj Garu along with chief guest Kuppam Circle Inspector of Police Sri Sridhar Garu and Sub Inspector of Police Sri. Siva Kumar Garu, Principal., Vice Principal Physical

Director and All HODs of the departments at Sports Ground in the campus.



Independence Day 2022

75th Independence Day celebrated at Kuppam Engineering College, Kuppam. The national flag hoisted by our honorable Chairman Sri B. C. Nagaraj Garu along with Vice Chairman, Dr N. Sunil Raj Garu. Principal, Heads of departments, / Sections, Staff members and students were participated in the event. In view of Azadika Amrit Mahotshav various events were conducted such as Riffle Drill, Marchpast and Pyramid show followed by cultural events.



University Team selection

On behalf of JNTUA University our college hosted the university football team selections in our campus on 19-10-2022. Sri. B. Joji Reddy garu, secretary sports council, JNTUA, Anantapur and his team were selected the players. In the selection 200 students were participated from various colleges under JNTUA. 3 students got selected to the University Football Team from our college. The committee selected 22 players for the University Football Team.



Anti Ragging Awareness

Our college conducted Anti Ragging Awareness to the senior students on 17-12-2022. Circle Inspector, Sri. T. Sridhar garu addressed the students about ragging issues and punishment acts. Sub inspector, Sri. Sivakumar Garu, addressed about the cybercrimes and its consequences.



Founders Day Celebrations

In connection with Founder's Day celebration, all the institutions of BCN Group, were celebrated the birth anniversary of our Founder Chairman Sri. B. C. Nagaraj garu on 27-12-2022, 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 benefit of 410 staff members. The NSS unit conducted Blood Donation Camp, provided food for around 100 physically challenged students in "Victory Boarding School, Kuppam.

Our Chairman Sri. B. C. Nagaraj Garu donated "RO water purifier system with the worth of Rs.20,000 & UPS Inverter to A P Model School, Gudupalli. Also distributed blankets for the students in BC & SC welfare hostel at Muniswamypuram, Kuppam on his Birth Anniversary on 27-12-2022.



E- Waste Collection

E-waste collection drive was inaugurated with the support of Lions Club of Kuppam Warriors by Sri Dr. N. Sunil Raj garu, Vice Chairman, Kuppam Engineering College, Dr. S. Sudhakar Babu garu, Principal & Sri. A. Mahesh garu, President, Lions Club & other dignitaries. All the E-waste generated in the college is handed over to Lions Club of Kuppam Warriors for safe recycling.



Graduation Day - 2023

"Graduation Day- 2023" held on 25-02-2023. The chief guest Prof. C. Shashidhar garu Registrar JNTUA addressed the graduates. More than 200 students from M. Tech, MBA & B.Tech graduated in the 2022, received their degree certificates. Sri. B. C. Nagaraj Chairman, Dr. N. Sunil Raj Vice- Chairman, Sri. N. Sagar Raj CEO Principal conveyed their Best Wishes to the Graduates. Vice Principal, Heads of various departments, sections and staff members were participated in this event.



74th Republic Day Celebrations

74th Republic Day was celebrated at Kuppam Engineering College, Kuppam. The National Flag hoisted by our honorable Vice Chairman Dr N. Sunil Raj garu. Principal, Heads of departments, / Sections, Staff members and students were participated in this event.



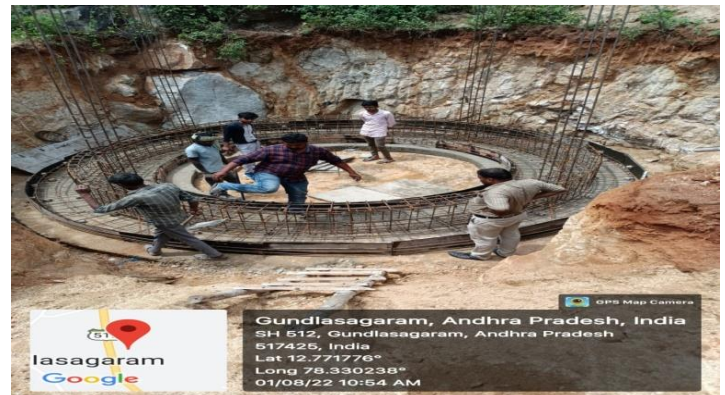
Industrial Visit

A batch of Third Year and Final Year Students of Department of Civil Engineering along with two faculty Members visited Mettur Thermal Power Plant and Mettur Dam, Mettur on 17-12-2022.



Field Visit

Department of Civil Engineering organized a one-day site visit with faculty members to Gundlasagaram on August 1st, 2022. Regarding Water tank Mat Foundation Reinforcement Details.



Awareness Programme for Higher Studies

Department of Civil Engineering organized a higher education awareness programme for B.Tech. civil engineering students on 16th December 2022.



Awareness on Outcome Based Education

Department of Civil Engineering organized Awareness on Outcome Based Education on 13th October 2022.



Training Program

On November 9, 2022, the department of civil engineering hosted a one-day training session on CAD software.

Seminar on E - Waste Management

Department of Civil Engineering organized Seminar on E - Waste management on 29th July 2022.



Symposium

The Department of Civil Engineering held a VIGHNANA 2K22 one-day national level technical symposium on July 8, 2022. We had conducted Paper presentation, CAD Modeling, Technical Quiz, and Project Expo as technical events. From various colleges are participated program.



Training Program Total Station



Department of Civil Engineering conducted one day training program on Total Station on 28th June 2022.

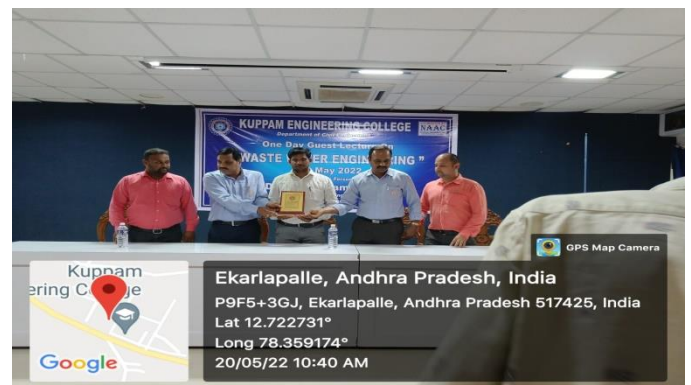
Guest Lecture on GIT

The Department of Civil Engineering Conducted One day Guest Lecture on Ground Improvement for Strengthening of Foundation Techniques on 25th May 2022 .Resource person Dr. M. Muthukumar, Head of the Department, School of Civil Engineering ,VIT, Vellore.



Guest Lecture on Waste Water Engineering

The Department of Civil Engineering Conducted One day Guest Lecture on Waste water Engineering on 20th May 2022 .Resource person Dr. Sethuraman, Associate Professor, Department of Civil Engineering, Adhiyamaan College of Engineering, Hosur.



Field Visit Steel Structure

Department of Civil Engineering organized a one-day site visit with faculty members to Bevanapalle on September 16th, 2022. Regarding Pre-Engineering Structure Erection and Handling.



Awareness Programme for Higher Studies

Department of Civil Engineering organized a higher education awareness programme for Junior College students on 11th June 2022.



Internship

In the department of civil engineering Students had finished their internships at a different company, including Rockfort Ready Mix Concrete in Trichy and Abad Builders Pvt Ltd in Kerala. Online AutoCad Intern-Shala and Dzure-Architecture skills.

Farewell day-2022

Our III Year Students organized Farewell day on July 12th 2022 for Final Year B.Tech Students.



Faculty Publications

1. A paper on "Analysis and Design of Steel Foot over Bridge at Kuppam railway Station" Published by Mr. L. Ravi Kumar in International Journal of Research and Analytical Reviews (IJRAR) Journal during July 2022.
2. A Paper on "Behavior of Reinforced Concrete Composite Beam Using ANSYS" Published by Mr. V S Satheesh International Journal of Engineering Science and Computing (IJESC) Journal During July 2022.
3. A Paper on "Field Density Analysis of Soil by Core Cutter Method in Kuppam Mandal" Published By Mr. V S Satheesh and Dr. K Harish in International Journal of Research and Analytical Reviews (IJRAR) Journal during July 2022.
4. A Paper on "Economical and Environmental Conditions of Tendon Layout for Prestressed Concrete Beams" Published by Mr. V S SATHEESH Journal of Environmental Protection and Ecology (IJESC) Journal during July 2022.

5. A Paper on "Investigation of Geometrical Elements & Traffic safety Performance on Existing Highways" Published by Mr. Venkobrao International Journal of Engineering Research & Technology (IJERT) Journal during July 2022
6. A Paper on "Experimental Investigation of Steel Fiber Reinforced Concrete Beam using GFRP Rebar" Published by Mr.D.Radhakrishna International Journal of Emerging Trends in Engineering Research (IJETER) Journal during July 2022.
7. A Paper on "Internet of Things based Traffic Management" Published by Mr. N Abilash & Mr.L Ravikumar Journal for Publishing Research Paper in minimum tenure (IJISRT) Journal during 2022.
8. A Paper on "Analysis and Design of Multi story Building by Using STAAD.Pro Software and Comparing with Manual Computation" Published by Miss. VASANTHAKUMARI B International Journal of Research and Analytical Reviews (IJRAR) Journal during July 2022.
9. A paper on "Investigation Of FRC Beam Reinforced With GFRP Rebar Under Flexure And Comparing With Conventional Beam"Published by V S SATHEESH and RADHAKRISHNAN D Journal Of Electronics Information Technology Science And Management (JEITSM) Journal during July 2022.
10. A Paper on "Vibration Characteristics Studies For Damage Identification Of Rc Structural Elements" Published by Mr. V S SATHEESH Journal Of Electronics Information Technology Science And Management (JEITSM) Journal during July 2022.
11. A Paper on" Effect Of Lintel Beam On Multi Storey Building Using Etabs"Published by Mr. V S SATHEESH International Journal of Emerging Trends & Technology in Computer Science (IJETTCS) Journal During July 2022.
12. A Paper on" Comparative Analysis Of Multistorey Building Using Etabs"Published by Mr.D.Radhakrishna Journal Of Electronics Information Technology Science And Management (JEITSM) Journal during July 2022.
13. A Paper on "Analysis Of Mode Shape Behaviour Of Rcc Structure"Published byMr.L.Ravikumar Journal Of Electronics Information Technology Science And Management (JEITSM) Journal during july 2022
14. A Paper on" Experimental Investigation On Self Compacting Concrete" Mr.V S SATHEESH, Mr.RADHAKRISHNAN D Journal Of Electronics Information Technology Science And Management (JEITSM) journal during july 2022.

Events Conducted:

Symposium

The Department of Mechanical Engineering, Kuppam Engineering College conducted a One Day Technical Symposium "VIGHNANA 2K22" on 08th July 2022.

The flow of the event is as follows:

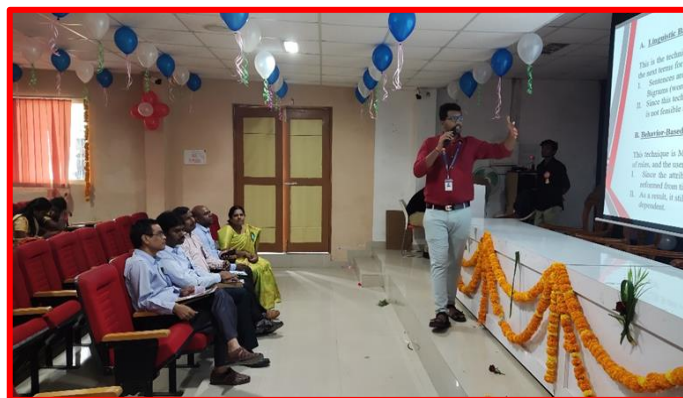
The event started with invocation song, lighting of lamp, followed by welcome speech. The Presidential address was given by Principal and Vice Principal. Our Chief guest Dr. Thangaraju spoke a few words on Emerging trends in various Engineering sectors and importance of innovation, participation of co-curricular events which helps in enhancing the student's skills.

Various Technical and non-Technical events were conducted at designated places. About 250 students of various colleges registered and actively participated in the events.



Paper Presentation:

The technical paper presentation event hosted a team of 40 members from various engineering backgrounds and various institutes like VEC, MIET, MITS, PMC Tech, GCE, Bargur, BIT, Natrampalle. Each team came forward with new ideas, research papers and advancements. Based on content, presentation skills and answering queries, marks were allotted and winners were announced.



Technical Quiz:

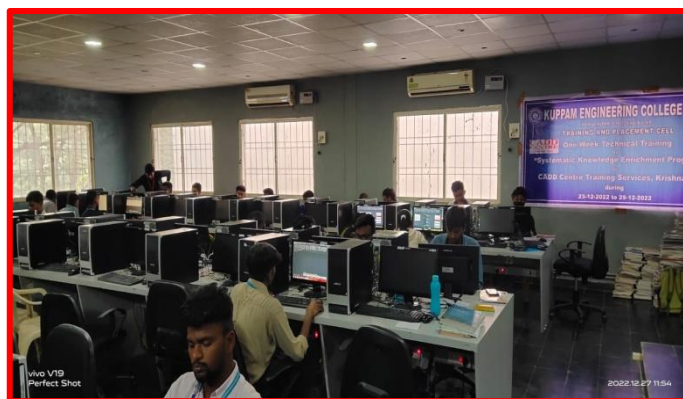
Technical Quiz was conducted in Seminar Hall, which included objective, direct answer and audio visual round. It was very informative and knowledge enriching competition for the participants. A total of 15 teams participated out of which 3 teams were selected as winners.

Project Expo:

A total of 8 teams participated in Project expo from various disciplines. The project evaluation by the panel members was done for all the projects presented by the students. Prizes were distributed for winners.

CAD Modeling:

All Participants were provided with a predefined sketch and have to complete the model using 3D package. Teams should replicate the model from the given sketch with proper dimensions defined in the sketch. Based on the completion and accuracy of assembly, participants were evaluated. Price money was awarded to winners after the announcement of results.



Short Film:

A Team of 8 participated in the Short film presentation based on the theme "Equal Rights". Based on various factors like Narration, Editing, sound, values and ethics the jury panel evaluated and declared the results.

Industrial Visit

A batch of second, third and Final Year Students of Department of Mechanical Engineering along with two faculty Members visited Shakti Ferro Alloy India Pvt Ltd, Nadimur, Kuppam on 7th November 2022.



A batch of second, third and Final Year Students of Department of Mechanical Engineering along with four faculty Members visited Mettur Thermal Power Plant, Mettur on 25th November 2022.



Seminar

Department of Mechanical Engineering organized a one day seminar on "Role of Artificial Intelligence and Machine Learning for Mechanical and Electrical Engineering", students on 18th March 2023. The Resource Person is Mr. A M Govind Kumar, Vice President, ZebPay, Crypto/Blockchain Chennai.



Workshop

Department of Mechanical Engineering organized a one day workshop on "Industry 4.0", on 26th November 2021. The resource person for the workshop is Dr. Amardeepak. M, Professor, Department of Mechanical Engineering, Cambridge Institute of Technology, North Campus, Bangalore.



Webinar

Department of Mechanical Engineering organized a one day webinar on "Introduction to design and drafting using MEP tools", 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.



Department of Mechanical Engineering organized a one day webinar on **“Research Developments in Composite Material Graphene Oxide Based Polymer Nano Composites”**, on **18th July 2020**. The resource person for the webinar is Dr. Dhamodharan Duraisamy, Assistant Professor in the School of Department of Mechanical Engineering, Xi'an Jiaotong University, P R China.

Department of Mechanical Engineering organized a one-day webinar on **“Selection of Materials for Engineering Design”**, on **24th July 2020**. The resource person for the webinar is **Mr. Bhaskar Manne**, Project Scientist, Indian Institute of Technology, Madras.

Department of Mechanical Engineering organized a one day webinar on **“Research Developments in Composite Materials”**, on **15th August 2020**. The resource person for the webinar is Dr. Amardeepak. M, Professor, Department of Mechanical Engineering Cambridge Institute of Technology, North Campus, Bangalore.

Department of Mechanical Engineering organized a one day webinar on **“Mendeley Software for Reference Management for Researchers”**, on **20th August 2020**. The resource persons for the webinar are Ms. Purnima B.R and Ms. Tejaswini S, Assistant Professors, in the of Department of Medical Electronics, Ramaiah Institute of Technology, Bangalore.

Department of Mechanical Engineering organized a one day webinar on **“Innovative Materials for Automobile Applications”**, on **5th September 2020**. The resource person for the webinar is **Dr. Sridhar B S**, Assistant Professor, Department of Mechanical Engineering, Ramaiah Institute of Technology, Bangalore.

Department of Mechanical Engineering organized a one day webinar on **“Overview and Applications of Additive Manufacturing”**, on **18th November 2021**. The resource person for the webinar is Dr. Sridhar B S, Assistant Professor, Department of Mechanical Engineering, Ramaiah Institute of Technology, Bangalore.

Department of Mechanical Engineering organized a one-day webinar on **“Composite Materials and Applications in Aerospace Industry”**, on **21st November 2021**. The resource person for the webinar is **Dr. Sunith Babu L**, Associate Professor, Department of Mechanical Engineering, Ramaiah Institute of Technology, Bangalore.

Department of Mechanical Engineering organized a one day webinar on **“Design for Additive Manufacturing”**, on **25th November 2021**. The resource person for the webinar is **Dr. Jaya Christiyan K. G**, Assistant Professor, Department of Mechanical Engineering, Ramaiah Institute of Technology, Bangalore.

Department of Mechanical Engineering organized a one day webinar on **“Surface Coating and its Applications”**, on **28th November 2021**. The resource person for the webinar is **Dr. Shashikala A.R**, Associate Professor & HOD, Department of Chemistry, Presidency University, Bangalore.

Department of Mechanical Engineering organized a one-day webinar on **“Data analysis & AI prediction Models”**, on **09th January 2022**. The resource person for the webinar is **Dr. K Lokesh**, Assistant Professor, Department of Mechanical Engineering, Ramaiah Institute of Technology, Bangalore.

Faculty Achievements

Gate Qualified

Mr. S N Nagaraj, Assistant Professor, Department of Mechanical Engineering, has qualified for the Gate examination conducted by IIT Kanpur in 2023.

Ph.D Awarded

Dr. Naveen Kumar, Associate Professor, Department of Mechanical Engineering, received his Ph.D. from Visvesvaraya Technological University, Belagavi, on September, 2022.

Elsevier Reviewer

Dr. Naveen Kumar, Associate Professor, Department of Mechanical Engineering, has been recognized as an Elsevier Reviewer for Materials Today

Proceedings, Energy Journals, and the International Journal of Automotive and Mechanical Engineering, University Malaysia Pahang.

FDP's by Faculties

1. Faculty development programme participated by Mr. K.Ganesh from 15/11/2021 to 14/11/2021 (30 days) on **"Machine Learning Master Class"**, organized by Pantech e Learning Pvt Ltd, Chennai.

2. Faculty development programme participated by Mr. N. Nagesh from 15/11/2021 to 14/11/2021 (30 days) on **"Machine Learning Master Class"**, organized by Pantech e Learning Pvt Ltd, Chennai.

3. Faculty development programme participated by Mr. Naveen Kumar from 12/12/2022 to 16/12/2022 (one week) on **"Materials Characterization Techniques"**, organized by NITTTR, Chandigarh.

4. Faculty development programme participated by Mr. Naveen Kumar from 10/10/2022 to 14/10/2022 (one week) on **"Advances in Characterization Techniques"**, organized by Presidency University, Bangalore.

5. Faculty development programme participated by Mr. Nagesh N from 18/10/2022 to 22/10/2022(one week) on **"Intellectual Property Rights"**, organized by Intellectual Property Rights Information Centre-Kerala (IPRIC-K).

6. Faculty development programme participated by Mr. Naveen Kumar from 23/01/2023 to 27/01/2023 (one week) on **"Recent Advancements in Sustainable Energy Storage & Conversion"**, organized by G. Pulla Reddy Engineering College, Kurnool.

7. Faculty development programme participated by Mr. Rajesh S from 14/11/2022 to 18/11/2022 (one week) on **"CAD/CAM"**, organized by NITTTR, Chandigarh.

8. Faculty development programme participated by Mr. C. Nawazbasha from 05/12/2022 to 09/12/2022(one week) on **"Advanced Technologies for Emerging Research in Mechanical**

Engineering", organized by Annamacharya Institute Of Technology & Sciences.

9. Faculty development programme participated by Mr. Naveen Kumar from 17/01/2022 to 21/01/2022 (one week) on **"Innovation in Materials for Advancement"**, organized by Anand International College of Engineering, Jaipur.

10. Faculty development programme participated by Mr. Nagesh N from 20/09/2021 to 25/09/2021 (six days offline) on **"Advanced Research in Nanomaterial and Nanocomposites"**, organized by PES Institute of Technology & Management, Shivamogga, Karnataka.

11. Faculty development programme participated by Mr. C. Nawazbasha from 05/12/2022 to 09/12/2022 (one week) on **"Advanced Technologies for Emerging Research in Mechanical Engineering"**, organized by Annamacharya Institute of Technology & Sciences.

12. Faculty development programme participated by Mr. Gopalakrishnan M from 17/01/2022 to 21/01/2022(one week) on **"Innovation in Materials for Advancement"**, organized by Anand International College of Engineering, Jaipur.

13. Orientation programme participated by Mr. C. Nawazbasha from 13/01/2022 to 21/01/2022(one week) on **"Innovative Practices in Energy Management"**, organized by Agnel Institute Of Technology & Design at Goa.

14. Faculty development programme participated by Mr. Naveen Kumar from 20/09/2021 to 25/09/2021 (six days offline) on **"Advanced Research in Nanomaterial and Nanocomposites"**, organized by PES Institute of Technology & Management, Shivamogga, Karnataka.

14. Faculty development programme participated by Mr. R. Bharath from 20/09/2021 to 25/09/2021(six days offline) on **"Advanced Research in Nanomaterial and Nanocomposites"**, organized by PES Institute of Technology & Management, Shivamogga, Karnataka.

Webinar

1. International Webinar participated by Mr. C. Nawazbasha held 09/10/2021 on **"Deep Drawing of Sheet Metal"**, at Arasu engineering College, Kumbakonam.

2. International Webinar participated by Mr. C. Nawazbasha 08/10/2021 on **"A One Step Ahead"**, at Er.Perumal Manimekalai Polytechnic College, Hosur.

Seminar

1. National level seminar participated by Mr. C. Nawazbasha from 10/11/2022 to 12/11/2022(one week) on **"Effective implementation NEP Multidisciplinary Education and Strategies"**, at Sri Sairam Engineering College, Bengaluru.

2. National level seminar participated by Mr. C. Nawazbasha held 26/03/2022 (one day) on **"Research Metrics - Measuring Your Research Impact"**, at Nadar Saraswathi College of Engineering and Technology, Theni.

Paper Publications

1. Mr. Nagesh N of ME Department published a conference paper titled **"Study, Optimization of Cutting Parameters of Non-Ferrous Metal by Turning Operation in Lathe Machine"**, in International Journal of Scientific Research in Science, Engineering and Technology, ISSN: 2394-4099, PP.446-455.

2. Mr. Nagesh N of ME Department published a research paper titled **"Vibration measurement on cutting tool under various operating cutting parameters"**, in International Journal of Design and Manufacturing Technology, ISSN: 0976-6995, Vol. 12, Issue.2, PP.1-7.

3. Mr. Nagesh N of ME Department published research paper titled **"Modelling and analysis of single point cutting tool using FEM Methods"**, in Turkish journal of computer and mathematics education, Vol. 12, Issue.13, PP. 7402-7409.

4. Mr. Nagesh N of ME Department published a paper titled **"Design and development of seam welding for different alloys"**, in Turkish journal of computer and mathematics education, Vol. 12, Issue.13, PP. 7409-7417.

5. Dr. Naveen Kumar of ME Department published a research paper titled **"A review on tribological behavior and mechanical properties of Al/ZrO₂ metal matrix Nano composites"**, in Elsevier Materials Today Proceedings, Vol. 38, PP. 2649-2657.

6. Dr. Naveen Kumar of ME Department published a research paper titled **"Green synthesis of zinc oxide nanoparticles: Mechanical and microstructural characterization of aluminum Nano composites"**, in Elsevier Materials Today Proceedings, Vol. 38, PP. 3116-3124.

7. Dr. Naveen Kumar of ME Department published a research paper titled **"Mechanical, micro structural properties and wear characteristics of hybrid aluminum matrix Nano composites"**, in Elsevier Materials Today Proceedings, Vol. 45, PP. 619-625.

8. Dr. Naveen Kumar of ME Department published a research paper titled **"Tribological behavior and Micro hardness of Al-Si7.0-0.5Mg Matrix nano composite through Stir casting Technique"**, in International Journal of Mechanical Engineering and Technology, Vol. 12, Issue.9, PP.13-20.

9. Dr. Naveen Kumar of ME Department published a paper titled **"Analytical investigation of functionally graded materials plate under mechanical load subjected various boundary conditions"**, in International Research Journal of Engineering and Technology, ISSN.2395-0072, Vol. 08, Issue.12, PP.1105-1112.

10. Dr. Naveen Kumar of ME Department published a paper titled **"Hydrodynamics analysis of journal bearings using CFD and FSI techniques"**, in International Research Journal of Engineering and Technology, ISSN.2395-0072, Vol. 08, Issue.12, PP.1088-1094.

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16. Mr. Nagaraja S N of ME Department published a paper titled **"Hydrodynamics analysis of journal bearings using CFD and FSI techniques"**, in International Research Journal of Engineering and Technology, ISSN.2395-0072, Vol. 08, Issue.12, PP.1088-1094.

Student Achievements

Mr. M. Devaraj, Mr. Y. Praveen Kumar, and Mr. V. Ravindra, ME department engineering students, participated in the **"Video Making Competition"**, organized by Adithya College of Engineering,

Madanapalli, on **18th December 2021** and **won the second prize.**



Mr. M Devaraj and Mr. Y Praveen Kumar of ME department engineering students, participated in the **"Yuva Utsava-2022"**, organized by PVKN Govt. degree college, Chittoor, on **12th October 2022** and **won the third prize.**



Mr. Balasa Munesh, Mr. Y Praveen Kumar and Mr. M Mohan Kumar of ME department engineering students, participated in the **"Technical Symposium Electica 2K22"**, organized by Madanapalli Institute of Technology and Science, Madanapalli, on **03rd June 2022** and **won the First prize.**



Mr. Balasa Munesh, Mr. Y Praveen Kumar and Mr. M Mohan Kumar, S Naveen Kumar, M Praveen Kumar of ME department engineering students, participated in the **"ANOKHA 2K22"**, organized by Adithya College of Engineering, Madanapalli, on **15th June 2022** and **won the Second prize**.



Mr. Balasa Munesh, Mr. Y Praveen Kumar and Mr. S Naveen Kumar, of ME department engineering students, participated in the **"ANOKHA 2K22"**, organized by Vemu Institute of Technology, Chittoor, on **17th June 2022** and **won the First prize**.



Patents

Mr. Balasa Munesh, of ME department engineering student, registered a patent on "Precision of solar isolation using gear trains", in 2020.

Startups

Mr. V. Ravindra, of ME department's engineering student, registered a startups on "Sri Enterprises", on 02 March 2023.

Workshop attended by students

1. Mr. Avaulappagari amrush participated in seven day's workshop on **"Automotive 2 Wheeler - Foundation"**, at kuppam engineering college, kuppam from 02-02-2021 to 09-02-2021.
2. Mr. Avaulappagari amrush participated in seven day's workshop on **"Auto 2 wheeler - Master"**, at kuppam engineering college, kuppam from 18-03-2021 to 25-03-2021.
3. Mr. Avaulappagari amrush participated in one day webinar on **"Future of Electric vehicles"**, at kuppam engineering college, kuppam on 01-03-2023.
4. Mr. Akash C M participated in one day webinar on **"Future of Electric vehicles"**, at kuppam engineering college, kuppam on 01-03-2023.
5. Mr. Krishnarjun K J participated in one day webinar on **"Future of Electric vehicles"**, at kuppam engineering college, kuppam on 01-03-2023.
6. Mr. S Dhananjaya participated in one day webinar on **"Future of Electric vehicles"**, at kuppam engineering college, kuppam on 01-03-2023.
7. Mr. S Sharath Kumar participated in one day webinar on **"Future of Electric vehicles"**, at kuppam engineering college, kuppam on 01-03-2023.
8. Mr. Sushern Kumar K S participated in one day webinar on **"Career Guidance"**, at kuppam engineering college, kuppam on 30-03-2022.
9. Mr. V Dhanasekhar participated in one day webinar on **"Future of Electric vehicles"**, at kuppam engineering college, kuppam on 01-03-2023.
10. Mr. M Devaraj participated in seven day's workshop on **"Automotive 2 Wheeler - Foundation"**, at kuppam engineering college, kuppam from 23-02-22 to 05-03-22.

11. Mr. S Dhananjaya participated in seven day's workshop on **"Automotive 2 Wheeler - Foundation"**, at kuppam engineering college, kuppam from 20-12-2022 to 31-12-2022.

12. Mr. Sk Akbar basha participated in seven day's workshop on **"Automotive 2 Wheeler - Foundation"**, at kuppam engineering college, kuppam from 20-12-2022 to 31-12-2022.

13. Mr. S Sharath kumar participated in seven day's workshop on **"Automotive 2 Wheeler - Foundation"**, at kuppam engineering college, kuppam from 20-12-2022 to 31-12-2022.

14. Mr. V Dhanasekhar participated in seven day's workshop on **"Automotive 2 Wheeler - Foundation"**, at kuppam engineering college, kuppam from 20-12-2022 to 31-12-2022.

15. Mr. A Manoj undergone twenty four days internship on **"welding's and JCB engine service"**, at Rajashekar workshop, V. kota from 10-08-2022 to 03-09-2022.

16. Mr. V Narashima undergone twenty four day's internship on **"welding's and JCB engine service"**, at Rajashekar workshop, V. kota from 10-08-2022 to 03-09-2022.

17. Mr. V Ravindra has completed sixty days internship on **"Machine learning by using python"**, at Octazen software solutions Pvt.Ltd, Hyderabad from 10-08-2022 to 10-10-2022.

18. Mr. S Santhosh has completed sixty days internship on **"Machine learning by using python"**, at Octazen software solutions Pvt.Ltd, Hyderabad from 10-08-2022 to 10-10-2022.

19. Mr. S Naveen Kumar has completed sixty days internship on **"Machine learning by using python"**, at Octazen software solutions Pvt.Ltd, Hyderabad from 10-08-2022 to 10-10-2022.

20. Mr. C G Maheshbabu has completed sixty days internship on **"Machine learning by using python"**, at Octazen software solutions Pvt.Ltd, Hyderabad from 10-08-2022 to 10-10-2022.

21. Mr. M Devaraj has completed sixty days internship on **"Machine learning by using python"**, at Octazen software solutions Pvt.Ltd, Hyderabad from 10-08-2022 to 10-10-2022.

22. Mr. R Anandbabu has completed forty five days internship on **"Internship on python full stack"**, at Brain o vision solutions Pvt.Ltd from 13-08-2022 to 28-09-2022.

23. Mr. Rayavaram Sathoshkumar has completed forty five days internship on **"Internship on python full stack"**, at Brain o vision solutions Pvt.Ltd from 13-08-2022 to 28-09-2022.

A one day National level Technical SYMPOSIUM 2K22

A National Level technical Symposium VIGHNANA-2K22 hosted by the department of Electrical and Electronics Engineering of Kuppam Engineering College, Kuppam VIGHNANA-2k22 was held on Friday(08-07-2022). Under the SYMPOSIUM 2K22 we are conducted the events

- Paper Presentations
- Project Expo
- Technical Quiz



Workshops

A Five-Day Workshop on “Solar power system design and installation” has been organized by the Department of E.E.E. for the B. Tech. final year students from 03-12-2021 to 07-12-2021 by Mr. V.Manoj kumar, Managing director, NIRE SOLUTIONS and Mr. R.ELAVARASAN, Managing director Pranav Solutions. Are invited as resource persons, during this program, the basic design and installation, has been given and covered the following topics for practice. Objective of the workshop and benefits Photovoltaic effects, principles, Solar cells, panels and array of panels ,Series and parallel effects on solar power system. Hybrid solar system, Grid-tied solar

system, Classification on solar power system for applications.



A One Week workshop on “Industrial Automation with PLC” conducted from 13-12-2021 to 18-12-2021. Programmable Logic Controllers (PLCs) is small industrial computers with modular components designed to automate customized control processes. PLCs are often used in factories and industrial plants to control motors, pumps, lights, fans, circuit breakers and other machinery. Their robust design, low costs, and simplicity in the face of complex integrations make them a fundamental component in manufacturing. Without PLCs, many businesses wouldn't be able to support the implementation of new control technology. APSSDC is offering an “Industrial Automation with PLC Program” so that the faculty/students across engineering colleges in the state of Andhra Pradesh gain Industrial Automation with PLC knowledge.



A One-Day Workshop on “LED lights assembling and manufacturing Technology” conducted on 30-12-2021. The workshop main intention is to train the student on LED lights assembling and manufacturing for various application though simplified technology also give information on material purchasing and marketing our products the program main another intention is o motivate the students and become an entrepreneur



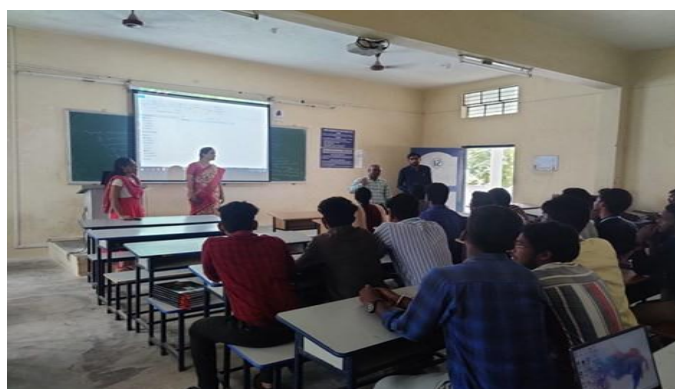
A One-Day Workshop on “Java program” has been organized by the Department of E.E.E. for the B.Tech. II year students on 25-03-2022 by Ms.k. Pavithra, junior Alumni and Dept. of CSE, invited as Resource person.



A One-Day Workshop on “Java Program” been organized by the Department of E.E.E. for the B.Tech. III year students on 26-03- 2022 by Ms.k. Pavithra, junior Alumni and Dept. of CSE, invited as Resource person



A One-Day Project Expo on “Fabrication of Solar dust cleaning system” has been organized by the Department of E.E.E. for the B.Tech IV year students on 03-07-2022 by Dr. M.S.G.SMITHA PhD Lecturer, ALITS invited as Resource person.



Kuppam Engineering College organized the industrial visit on 07-04-2022 for the batch of 75 students from our college, to explore solar power plant which is incorporated in Kuppam Engineering College.



A one day program on “Effective Research Article Writing Without Plagiarism” has been organized by the Department of E.E.E. for the B. Tech. second, third and final year students on 11-04-2022 (4p.m.to 5p.m.) by Dr. V. Govindharajulu, Associate Professor, kec, Kuppam.



A One Day program on “Effective Communication Skills through Vocabulary Improvement” has been organized by the Department of E.E.E. for the B. Tech. second, third and final year students on 12-04-2022 by Mr. K. Jayasimha, Assistant Professor, Kuppam Engineering College, Kuppam.



A one week program on “Design and Testing of Drone” has been organized by the Department of E.E.E. for the B. Tech. students from 03-12-2021 to 08-12-2022 by Mr. Christo V.G Integration & Testing Engineer, Asteria Aerospace Pvt. Ltd. Bangalore.



Webinars

A Five-Days national level webinar on “Virtual training on Arduino and Proteus software” has been organized by the Department of E.E.E. for the B. Tech. final year students From 07-01-2022 to 11-01-2022 by Mr. V.Srimaheswaran M.E., (Ph.D.), Full time Research scholar, NIT., Trichy.,Tamilnadu.41 Students Participated.

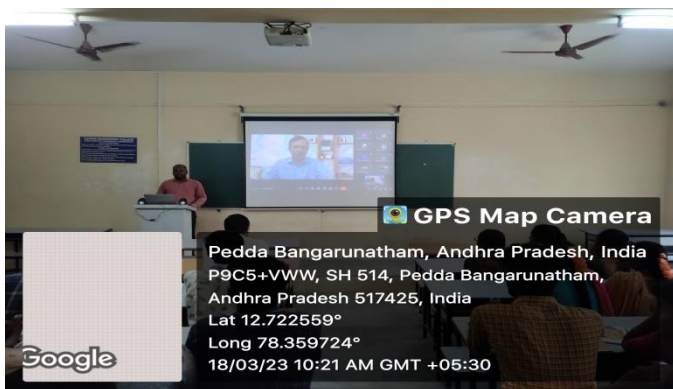
A One-Day national level webinar on “A Awareness on higher studies and information” has been organized by the Department of E.E.E. for the B. Tech. final year students on 31-12-2021 by VISIONVIDHYA Consultancy, Germany.

A One-Day webinar on “Future of Electric Vehicles” has been organized by the Department of E.E.E. for the B. Tech. final year students on 01-03-2023 by Prof. Swetha Shekarappa. G Assistant Professor Dep. of EEE Alliance University, Bangalore.

A One Day webinar on “Introduction to Design and Drafting using MEP Tools ” has been organized by the Department of E.E.E. for the B. Tech students. on 06-03-2023 by Dr. Syed Moazzam Ali Technical Director,Tiba Engineering Consultants –Tech MEP Institute .



A One Day webinar on “Practical Applications of Artificial Intelligence and Machine Learning in Electrical and Mechanical Engineering” has been organized by the Department of E.E.E. for the B. Tech students, on 18-03-2023 by Mr. A. M. GovindKumar Vice President/ Zebpay (crypto/ Block chain) Chennai.



Guest Lectures

A one Day national level webinar on “Operation & Control of Multi-Micro grid Systems” Has been organized by the Department of E.E.E. for the B. Tech. final year students on 20-12-2021 by Mr. Dr Thomas John (PhD, Postdoc), Lecturer, Blackpool & the Fylde College, Fleetwood, Lancashire, UK. There has been a widespread deployment of micro grids around the world in recent years. Micro grids form a local area power distribution system with distributed generations, energy storage systems and controllable loads.

The next stage of innovation in the field of micro grid systems is the interconnection of several AC and DC micro grid systems spread over large geographical distances to form multi-area multi-micro grid (MMG) systems, which will satisfy the ever-increasing global energy demands.

Industrial Visits

A one day industrial visit was organized for second year EEE for visit to 220/132 KV Substation, Kuppam on 23-05-2022. At the beginning, one of the assistant engineers explained all the essential component of the 220/132KV substation



A one day industrial visit was organized for B.Tech third year and diploma second year of EEE for visit to 220/132 KV Substation, Kuppam on 23-05-2022. At the beginning, one of the



assistant engineers explained all the essential component of the 220/132KV substation

A one day industrial visit was organized for second year EEE for visit to Raygen power private Ltd, dalavayahosahalli (vilg), Bangarapet (taluk), kolar (Dist),karnataka. On 23-05-2022.



A one day industrial visit was organized for B.Tech third year EEE and diploma second year of EEE for visit to Raygen power private, dalavayahosahalli (vilg), Bangarapet (taluk), kolar (Dist), karnataka. On 23-05-2022.



Student Participations

1. ASWATH.M attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
2. C. DIVYA attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
3. G. RAKESH attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
4. R. SANTHOSH KUMAR attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
5. R.K. THILAK attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
6. S. K. VENU attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
7. S. PRIYANKA attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
8. S. THARUN attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
9. VIKASH KUMAR attended an Internship On “Electronics Office Foundation” conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.

10. C.THARUNKUMAR attended an Internship On "Electronics Office Foundation" conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
11. J.CHANDRA SEKHAR attended an Internship On "Electronics Office Foundation" conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
12. K HARATHI attended an Internship On "Electronics Office Foundation" conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
13. N.J.SURENDRA BABU attended an Internship On "Electronics Office Foundation" conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
14. N SUBRAMANYAM attended an Internship On "Electronics Office Foundation" conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.
15. RS MUBARAK attended an Internship On "Electronics Office Foundation" conducted by SEIMENS, t-SDI during 25.10.2021 to 05.11.21.

Faculty Participation

1. Dr. V SEKHAR attended Internship on Design Using "Master Class On Electric Vehicle MATLAB" conducted by Pantech E Learning Pvt. Chennai, during 23/08/2021 to 21/09/2021.
2. Dr. V SEKHAR attended webinar on "Financial Planning & Its Importance's" conducted by Bombay Stock Exchange during 15/09/2021 to 15/09/2021.
3. Dr. V SEKHAR attended webinar on "Open Source Leader Redhat" conducted

by Rotary Club Of Global Scholars during 02/03/2022 to 02/03/2022.

4. Dr. V SEKHAR attended "10th International Conference On Contemporary Engineering And Technology" conducted by Organization Of Science And Innovative Engineering And Technology(OSIET) during 21/05/2022 to 22/05/2022.
5. Dr. V SEKHAR attended Internship on "Machine Learning Master Class" conducted by Pantech E Learning during 25/05/2022 to 24/06/2022.
6. Mr. M. SEENIVASAN attended "Third International Conference On Materials Computing & Communication Technology" conducted by Annai Vailankannai College Of Engineering during 20/06/2022 to 20/06/2022.
7. Mr. P.R.RAJEEV attended "Third International Conference On Materials Computing & Communication Technology" conducted by Annai Vailankannai College Of Engineering during 20/06/2022 to 20/06/2022.
8. Mrs. A.ARCHANA attended "Third International Conference On Materials Computing & Communication Technology" conducted by Annai Vailankannai College Of Engineering during 20/06/2022 to 20/06/2022.

Faculty Publications

1. A paper on "Mechanical Ventilator For COVID-19 Patients" is Published by Mr.P.Kiran Kumar, IJARIIT, ISSN:2454-132X, June 2021
2. A paper on "Mini Thermal Power Plant " is Published by Mr.S Zabiullah, IJARIIT, ISSN:2454-132X, June 2021
3. A Paper on "Fault Detection In Induction Motor" is Published by Mr.P.R.Rajeev, IJARIIT, ISSN:2454-132X, June 2021
4. A Paper on "Intelligent Wireless Notice Board Using Zigbee" is Published by Mr. K.S Khaja Hussain IJARIIT, ISSN:2454-132X, June 2021
5. A Paper on "Inductor Coupled Converter" is Published by Mr. M. Seenivasan IJARIIT, ISSN:2454-132X, June 2021
7. A Paper on "Kesla Smart Lock" is Published by Mr.K.Swaroop IJARIIT, ISSN:2454-132X, June 2021
8. A Paper on "Interactive Inverter For Grid Tied Solar Power Generation" is Published by Mr.V.Pandiyan, IJARIIT, ISSN:2454-132X, June 2021
9. A Paper on "Smart Trash Picking Vehicle for Waste Management" is Published by Mrs.A. Archana IJARIIT, ISSN:2454-132X, June 2021
10. A Paper on "Universal Load Meter" is Published by Dr.V.Sekhar Design Engineering (Toronto), ISSN: 0011-9342, June 2021
11. A Paper on "Arduino Based Oxygen Generation" is Published by Mr.B. Venu Reddy Kumar IJARIIT, ISSN:2454-132X, June 2021
12. A Paper on "Arduino Based Oxygen Generation" is Published by Dr.V. Sekhar IJARIIT, ISSN:2454-132X, June 2021
13. A Paper on "Ann Based LVRT Characteristics Enhancement Of Motor-Generator Set Connected To Grid" is Published by Mr.Velappagari Sekhar, Solid State Technology, ISSN : 0038 – 111X
14. A Paper on "Ann Based LVRT Characteristics Enhancement Of Motor-Generator Set Connected To Grid" is Published by Mr.Velappagari Sekhar, Solid State Technology, ISSN : 0038 – 111Xpp. 10366-10373, 2020
15. A Paper on "Cogeneration Of Wind-Photo Voltaic Connected To Grid Using Anfis" is Published by Mr.Velappagari Sekhar, Solid State Technology, ISSN : 0038 – 111Xpp. 10326-10335
16. A Paper on "Anfis Control Strategy For Dc Fast Charging Of Micro Grid Connected Vehicle" is Published by Mr.Velappagari Sekhar, PaLArch's Journal of Archaeology of Egypt/Egyptology, ISSN : 1567-214xpp. 10647-10658, 2020
17. A Paper on "Anfis Control Strategy For Dc Fast Charging Of Micro Grid Connected Vehicle" is Published by Mr.P. Kiran Kumar PaLArch's Journal of Archaeology of Egypt/Egyptology, ISSN : 1567-214xpp. 10647-10658, 2020
18. A Paper on "A Switched Inductor-Capacitor Based High Gain Boost Converter For A Photovoltaic Module With Mppt Control" is Published by Mr.P. Kiran Kumar, Solid State Technology, ISSN : 0038 – 111X, 2020

19. A Paper on "A Switched Inductor-Capacitor Based High Gain Boost Converter For A Photovoltaic Module With Mppt Control" is Published by Mr.Velappagari Sekhar, Solid State Technology, ISSN : 0038 – 111X,2020
20. A Paper on "Design and analysis of EV Charging Station With Dynamic Voltage Capability" is Published by Dr. V Sekhar Turkish Online Journal of Qualitative Inquiry / Issn:1309-6591 July 2021.
21. A Paper on" Enhancing the Capability of Interharmonics in Solar FED Grid Connected System With MPPT Modofication" is Published by Mr.P.Kiran Kumar Turkish Online Journal of Qualitative Inquiry / Issn:1309-6591 July 2021.
22. A Paper on" Enhancing the Capability of Inter harmonics in Solar FED Grid Connected System With MPPT Modofication" is Published by Dr.V.Sekhar Turkish Online Journal of Qualitative Inquiry / Issn:1309-6591 July 2021.
23. A Paper on "Efficient Implementation Of PFC Based Hybrid Reverberation PWM To BLDC Drive" is Published by Mr.S.Zabiullah Turkish Online Journal of Qualitative Inquiry / Issn:1309-6591 July 2021.
24. A Paper on "Design and Implementation of Automatic Seeding and Pour Water Robot For Agriculture" is Published by Mr.S.Prabhakaran International Journal Of Research Ideas And Innovation in Technology Issn:2454-32X June 2022.
25. A Paper on" A Smart Wearable Device For Child Monitoring And Trackingsystem Using Iot Technology" is

Published by Ms.G.Dhivya International Journal Of Research Ideas And Innovation in Technology Issn:2454-32X,June 2022.

Patents Registered

There were 2 patents are granted out of 6 patents published during the academic year 2021-2023

- LOG GRAPPLE
- Droop Characteristics Based Power Supply For Electric Traction System
- A Smart Solar Charge Controller System Using Iot
- Designing A Nvidia Based Automated Real Time Smart Attendance System Using Face Recognition
- Designing A Nvidia Based Automated Real Time Smart Attendance System Using Face Recognition
- Scooter for Kids

Accredited Status

Department of ECE 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.

Inauguration of Lab



Grand Inauguration of “Advanced Microwave & Cognitive Radio Laboratory for Multi Carrier Wireless Communication” was celebrated on 04-Jan-2022. The Chief Guest of Graduation Ceremony Prof. G. Ranga Janardhana, Vice Chancellor, JNTUA Anandapuram 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, Vice Principal Dr. S. Baskaran, and Heads of Departments of ME, CE, EEE, CSE, HAS, MBA visited AICTE-AQIS- MODROB funded laboratory for Inauguration and congratulated to Dr. G.N. Kodanda Ramaiah, Director R & D/HoD-ECE, Dr. K. Rasadurai, Project Coordinator and team.

Webinar

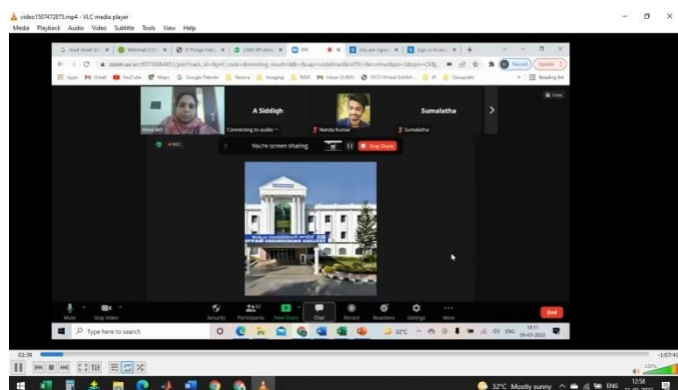
A webinar on Entrepreneur – Charms of being an Entrepreneur” is held on 04.03.2022 and Organized by the KEC- Institute Innovation Cell, NewGen IEDC and Dept., of ECE for the students to provide basic insights on entrepreneurship, who is an entrepreneur and perks of being an entrepreneur. This program is conducted in hybrid mode, 80 students attended in offline mode and 62 students attended in online mode. Resource Person Dr C. Chandra Mouli, Technical Executive, AIC- SKU, Ananthapur has explained the difference between an entrepreneur and Startups, the difference between Employment and Entrepreneur. At the end of the session a few startups which are guided by the AIC- SKU and their successful journey was shown as an inspiring aspect for the students.



Webinar

A webinar on “Intellectual Property Rights (IPR) and IP management for startup was held on 09 March 2022. The Resource Person Ms. Hima Bindu A, Managing Director, Novel Patent Services, She has explained about the types of intellectual properties like Patents, Copy rights, Design

patents, Geographical Indication, Trademarks and also emphasized on the importance of innovation identification and registration of patents. This program is conducted in online mode, 126 students and 18 faculties have attended the session.



Awareness on Drone for Agriculture

One day Awareness Program on “Drone for Agriculture on 01 June 2022. The Resource Person Dr.K.Chandra Sekhar Sr.Engineer, Honeywell, Bangalore. Aadhya Softtech Sollutions. He has delivered about “Multipurpose Agriculture Drone” Idea has been selected for Start-up in association with Dept. ECE, Kuppam Engineering Collage, Kuppam-517425, AP. Farmers can buy one Drone for all applications spraying, seeding, and crop monitor just add-ons.



Symposium

Technothon -2k22 A National Level Technical Symposium on 15 June 2022 .Organized by Dept. of ECE, KEC. During this Symposium the following events were conducted: Project expo., Paper Presentation, Design Thinking, Electro Puzzle, Technical Quiz, Coding.

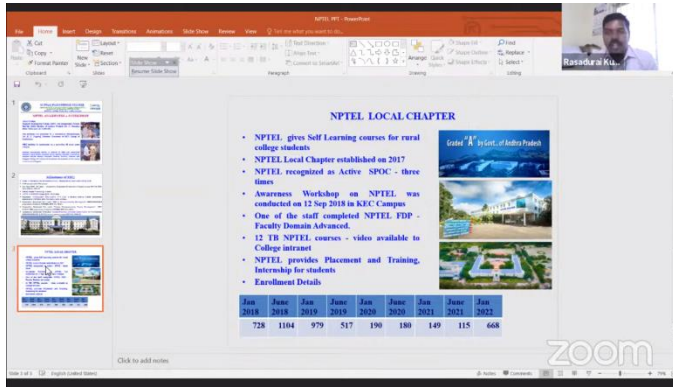


Workshop

A workshop on “Women Entrepreneurship” is organized by the KEC-Institute Innovation Cell, NewGen IEDC and Dept of ECE for the students to provide basic insights on women entrepreneurship. The resource person Dr Suhail Pallakod, Seed Foundation Wandoor, has explained the significance of women entrepreneurship, state and central government’s role in promoting the women entrepreneurship. The speaker has emphasized on the issues and challenges faced by the women entrepreneurs.

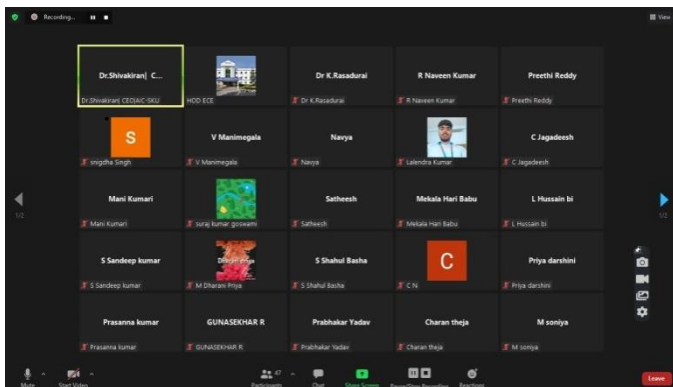


Awareness



Organized “One Day Workshop on NPTEL on 16th June 2022. The Resource Person: NPTEL Team members, IIT Madras, given the importance of NPTEL course and Swayam also registration of course to the students from ECE department around 120 students were participated from various institutions.

Webinar



A webinar on “Business Incubation Centre- Role and Importance” is organized by the KEC- Institute Innovation Cell and Dept., of ECE for the students to provide basic insights on role and importance of the incubation center. This program is conducted for the 3rd year ECE students to know about what is an incubation center. How incubation Centre helps the startups to convert their idea into a product. The

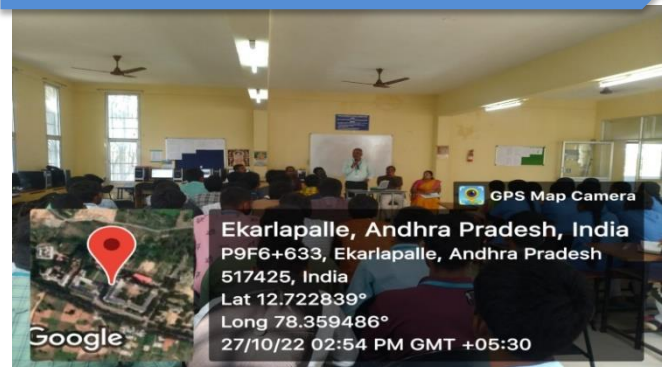
speaker also emphasized on the pre and post incubation process.

Webinar

Webinar on "Career Opportunities for Engineering Graduates" conducted on September 15, 2022. Mr. S. Manimohan Trinath, ACE, Engineering Academy, was the resource person. There were 226 students participated.



Five Days Certification Program



Five days Certification Program on “Xilinx FPGA/ZYNQ SoC using Xilinx Vivado” conducted from 26th September to 30th September 2022. The Resource Person of this program Mr. K. Ramesh Naidu, Apply Volt, Hyderabad | Vijayawada. Mr Pradeep John Apply Volt, Hyderabad | Vijayawada. On this hands-on training workshop, the students are gained knowledge about designing tools for Low advanced VLSI techniques.

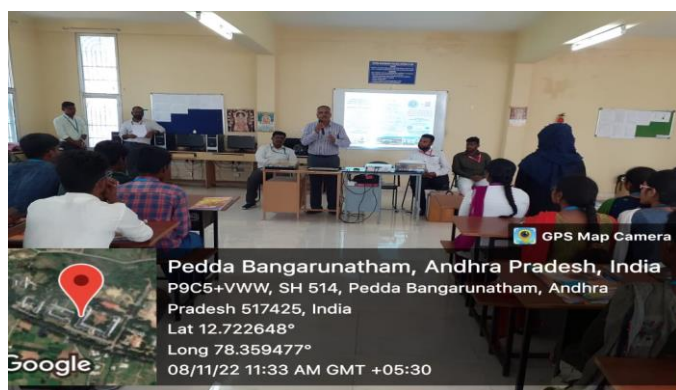
Seminar

Organized a seminar on “AI & ML Data Science Role In Insurance Industry” on 03-11-2022. The Speaker for the seminar, Mr. Gundala Nagaraju, IT Business & Technology Leader, Sahasraa IT & Healthcare Service, Hyderabad. Around 296 participants from the Final year ECE participated and benefited out of this interactive seminar.



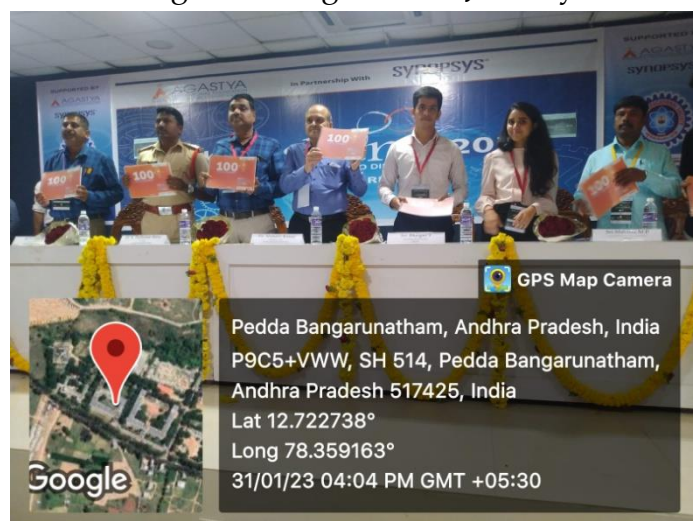
Workshop

One day Hands-on workshop On Machine Learning (ML) & Artificial Intelligence (AI) in Internet of Things (IoT) held on 08th November 2022. The Resource Person Dr. Mahammad D V AcenAAr Technologies, Kurnool. He delivered lecturer about Role of IoT in ML & AI Domain.



Anveshana 2022-23 Chittoor Region

Agastya International Foundation, Synopsys and Kuppam Engineering College are jointly organized on 2nd year of Anveshana in Chittoor Region during 30th-31st January 2023.



The objective of Anveshana is about mentoring young and vulnerable learners through innovative models of engineering, and broadening the horizons of the children. The projects have gone through different levels of screening, involving eliminations based on the synopsis sent, Execution and learnings. 32 projects have been selected for final competition out of 84 projects registered. It was a tough job for the Jury to select the 32 Projects. First day of Inauguration function the following eminent persons are address to students, Mr. Sai Chandrasekhar, Operations head, Agastya, Prof P.Yashoda, Dept of Education Dravidian University, Dr N Sunil Raj, MBBS, Vice chairman, BCN Group of Institutions, Dr S. Sudhakar Babu Garu, Principal, Kuppam Engineering College, Dr. H G Nagendra, HOD Biotechnology, MVIT, Bangalore, Dr.P. Sudheer, Prof, Dept of ECE, SITAMS, Chittoor. For 2nd Day Closing ceremony, we have these wonderful dignitaries with us: Mr. D. Rama Sharma, Director, National Science Centre,

Delhi, Ms. Shahla Sultana, Human Resources Team, Synopsys, Mr. Ashish Bharadwaj, Sr. Manager, human resources synopsis. Mr. Ajith Basu, Agastya. From this our college students team got 2nd and 3rd Prize. Further Prize winners got opportunities for national level Anveshana at Hyderabad.



Faculty Publications

1. Dr. G.N. Kodanda Ramaiah Published a Backward movement oriented shark smell optimization-based audio Steganography using encryption 2022.
2. Dr. K. Rasadurai Published a paper Design and Implementation of Image Enhancement using XSG 2022.
3. Dr.G.N. Kodanda Ramaiah Published a paper Advance Anti-PVT-Variation Low-Power Time-to-Digital Converter Design using 90 nm CMOS Process 2022
4. Dr. K Rasadurai Ramaiah Published a paper IOT Based Smart City Monitoring system for water, Fire & Gas Leakage 2022
5. Mr. P.Ajay Kumar Reddy Published a paper Advanced Approximate Multiplier Design using Novel Twin-Phase 4:2 Compressors 2022

6. Mr. T. Sivakumar Published a paper Advance Anti-PVT-Variation Low- Power Time-to-Digital Converter Design using 90 nm CMOS Process 2022

7. Mr. G. Mukesh Published a paper Advanced Approximate Multiplier Design using Novel Twin-Phase 4:2 Compressors 2022.

8. Mr. T. H. Jayasimha Published a paper Use of MGD Technique to Implement Low Power and Region Efficient 4-Bit ALU 2022

9. Mr. T. H. Jayasimha Published a paper Advanced Approximate Multiplier Design using Novel Twin-Phase 4:2 Compressors 2022.

Research 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.

List of Government supported Innovation centres in HEI

- NewGen IEDC by NSTEDB supported by DST.

- Andhra Pradesh State Skill Development Centre (APSSDC)
- Technical Skill Development Institute (TSDI) by Siemens Center of Excellence.
- Institute Innovation Cell (IIC) by MHRD
- PMKVY - TI

Research Grants Received

1. 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.

2. Title of the Project GreenDoctor a reliable Food Toxigenic detector Principle Investigator Dr. G.N. Kodanda Ramaiah Dr. S. Nanda Kishor Mr. Jaysimah, J.Bhavya sri Sponsored by MSME Incubator Funding Amount Rs. 15 Lakhs Status 2022-2023 Ongoing.

Student 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. Sathiyarayan, Funding Agency NewGen IEDC, NST-EDB DST Govt. of India Startup Scheme.

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



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.

Internet of Things (IoT) Lab

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 Incubatee 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 a browser-based 3D design and modelling program created to provide a way for a variety of users (beginners to experts)



to create projects. Conventional CAD software options are not only expensive, but they're also often quite complicated to learn. These programs often have many features that you won't even use for something as simple as a custom case. While they are great for professional users, makers will more likely be happy with Tinkercad, which I regularly use. It's not only free but also very easy to learn and to use.

Advanced Microwave and Cognitive Radio Laboratory

To upgrade the knowledge in advance microwave components and to measure the signal performance in spectrum and network analyser.

To analyse 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 MOOC Course



Organized “**One Day Workshop on Awareness of MOOCs Course**” on 28th January 2022. Session handled by **Dr.K.Rasadurai, Assoc. Prof., Dept. of ECE**, given various online courses available in NPTEL and Swayam and brief about registration procedure of course to the students from CSE department. Around 120 students were participated.

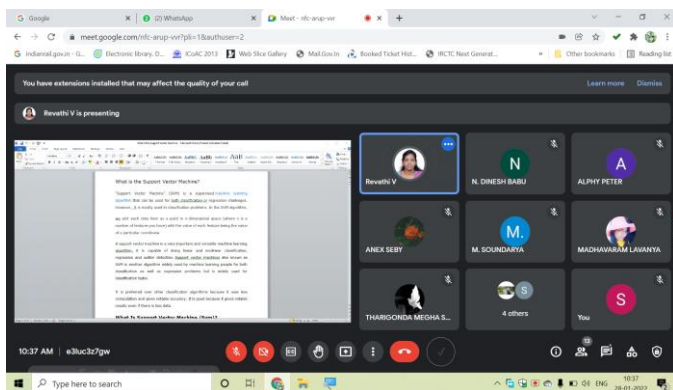
Seminar

Organized an “**One day seminar on Preparation for competitive examinations**” on 10-03-2022. The Speaker for the seminar is Mr. Christopher Ashwin, JB Institute, Tirupati. Around 112 students from the Third year CSE participated and benefited out of this interactive seminar.



Two Days Webinar

Organized “**Two Days Webinar on kernel Machines in Machine Learning**” on 28th and 29th January 2022. Session handled by **Dr.V.Revathi, Prof.,** from Dayananda Sagar University, Bangaluru, given the concepts of machine learning and various algorithms used in machine learning.



Seminar

Organized “**One Day Seminar on Developing a Mapreduce Application**” on 23rd April 2022. Session handled by **Harshitha R, Software Engineer, Sap Mdg Consultant, Bangaluru.** Around 115 students were participated.



Seminar

Organized “One Day Seminar on Role of ERP In IT Industry” on 27th April, 2022. Session handled by **Patan Farheentaj, Expertise in Software Development, Bangalore** gives the concepts of Management Information and Business Model to the students to Third year,



and about 115 students were participated.

Organized “Two Days Seminar On Indepth Intuition Of Bayes Classifiers and Association Rules in ML ” from 18th May to 19th May, 2022. Session handled by “ **Dr. J. Somasekar Ph.D., Professor, Gopalan College of Engineering and Management, Bangaluru** about 120 students were participated.

Seminar



Seminar

“One Day Seminar on Evolution of Data Science” organized on 07-07-2022 on behalf of Coding Club activities. Session handled by **Dr. M. Senbagavalli, Prof., Alliance University**. The content of this seminar will be useful to undergone a project. Data Science continues to evolve as a discipline using computer science and statistical methodology to make useful predictions and gain insights in a wide range of fields.



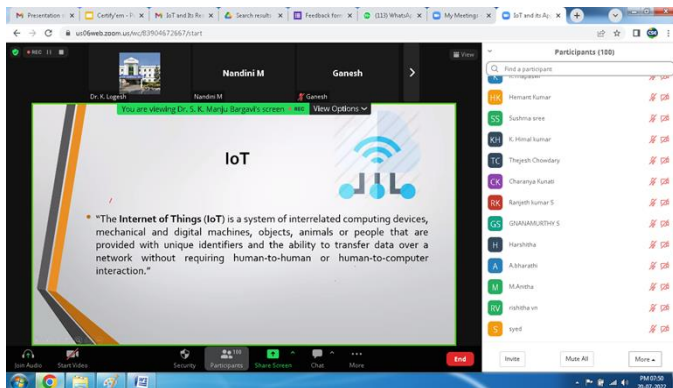
National Conference

Now-a-days conference is being organized to highlight the advance and research finding in the field of computer science to the young engineers. **NCRICCT'22** was organized on **28-05-2022**. 100 Students from various colleges are participated and best three papers are given cash prize.



Webinar on IoT

Organized “One Day Webinar on IOT and Its Real Time Applications ” on 27-07-2022 . Session handled by **Dr.M.Iyapparaja, Ph.D. HDCA, Associate Professor-Senior, VIT, Vellore.**



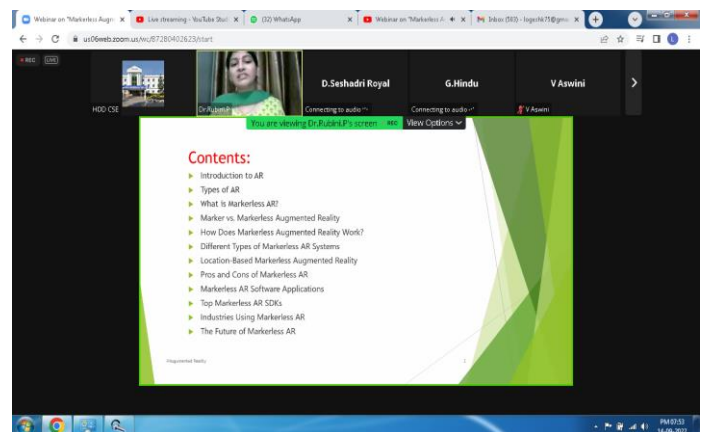
One Week FDP Programme

One week National Level Faculty Development Program on “**Amazon Web Services**” was organized between **22nd August 2022 and 27th August 2022** in association with BrainOvision Solutions Pvt., Ltd., The Session was handled by Yasaswi Surabi from BrainOvision Solution India Pvt. Ltd



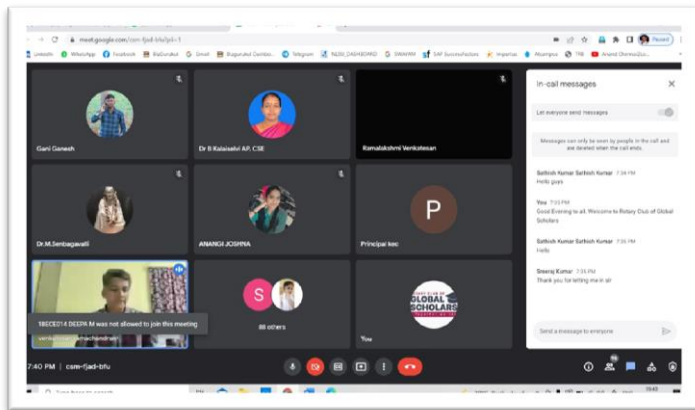
Webinar

A Webinar on “**Markerless Argumented Reality**” organized on 14-09-2022. The session handled by **Dr. P. Rubini, Professor & Dean, Dept. of CSE, CRM University, Bangaluru.** Around 110 students were participated. The session was very interactive and the technology is popular system in the industrial section for image recognition.



One Day Webinar

Organized “**One Day Webinar on Network Simulation in Packet Tracer Tool**” on 12-10-2022. Session handled by **Dr.M.Iyapparaja, Ph.D. HDCA, Associate Professor-Senior, VIT, Vellore**. Packet Tracer is a cross-platform visual simulation tool designed by Cisco Systems that allows users to create network topologies and imitate modern computer networks.



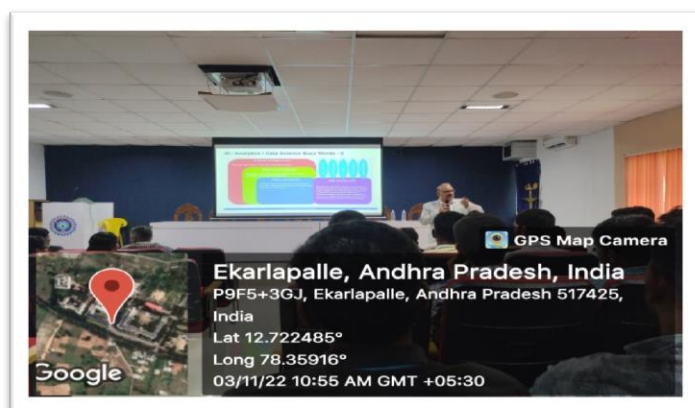
Coding Club Activities

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., **Mr. Cheranjeevi, IV B.Tech., CSE**, had given technical talk on Java programming and tips for technical interview attending. **Ms. Shilpa and team organized Technical Quiz program**



Seminar

Organized a seminar on “**AI & ML Data Science Role In Insurance Industry**” on 03-11-2022. The Speaker for the seminar, **Mr. Gundala Nagaraju, IT Business & Technology Leader, Sahasraa IT & Healthcare Service ,Hyderabad**. Around 110 participants from the Final year CSE participated and benefited out of this interactive seminar.



Workshop

One Day workshop on “React - Bridging Digital Divide and Rising Inequality across India” organized on 18-11-2022. Session handled by **Mr. Uday Shankar, Alliance Manager, EduCLaaS, Singapore**. It is an award winning online digital skills accelerator. It has put together an industry based curriculum in conjunction with technology vendors. It has applied based program has adopted a blended pedagogy with tangible outcome, delivered through open campus ecosystem.



Seminar

Seminar organized on "Java Coding Methodology" by our **Distinguished Alumni Sadham Husain, Senior Software Engineer at Mumbai** on 18-11-2022.



Symposium

Anthariksha-2K22 is a Technical Symposium organized by our department on 3rd December 2022. To provide a platform for students to develop technical knowledge by sharing their view in various fields and to improve their presentation skills. Sri. B.C. Nagaraj, Founder & Chairman was presided the function and Dr. M. Vinoth Kumar gave keynote speech was very helpful for our students to take further decision in their life on skill improvement. We had conducted Paper presentation, Coding, Debugging, Technical Quiz, Poster Presentation and Web Designing as Technical events. And Dumb Charades, Logo identification, Connections as Nontechnical Events. 100+ students

From various colleges are participated and enjoyed the program.



Certificate Course

We organized Certificate Course on "AI and ML on IOT" from 14-12-2022 to 18-12-2022 in association with from AcenAAr Technologies, Kurnool by Dr. Mohammed. 100+ Students were participated.



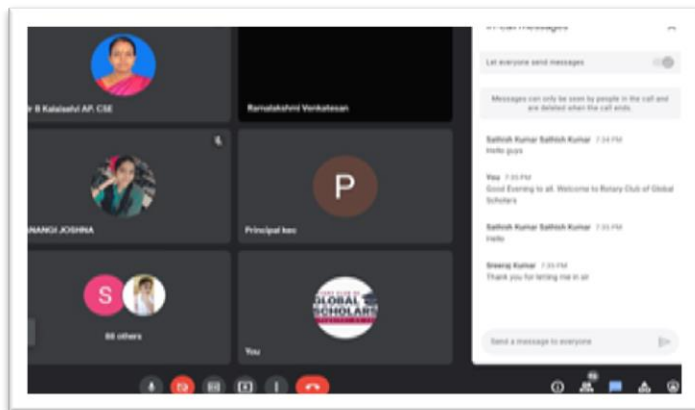
Awareness Programme

NPTEL / SWAYAM awareness program was conducted for III B.Tech. Students on 28-12-2022



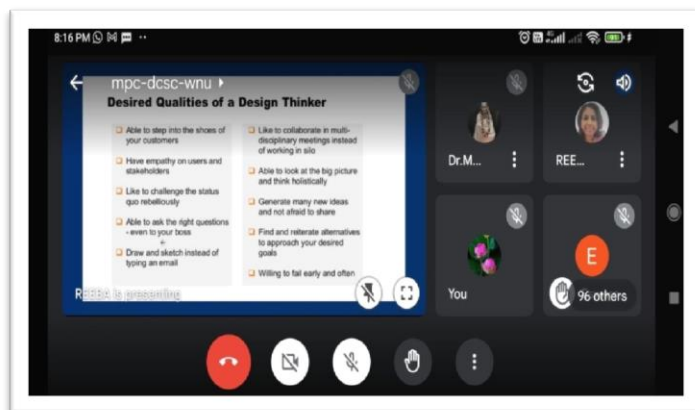
Webinar

Organized “One Day Webinar on **Machine Learning Using GAN** ” on **04-01-2023**. Session handled by **Dr.S.Balakrishnan Ph.D,Professor and Head, Dept., of CSE, Sri Krishna College of Engineering and Technology, Coimbatore.**



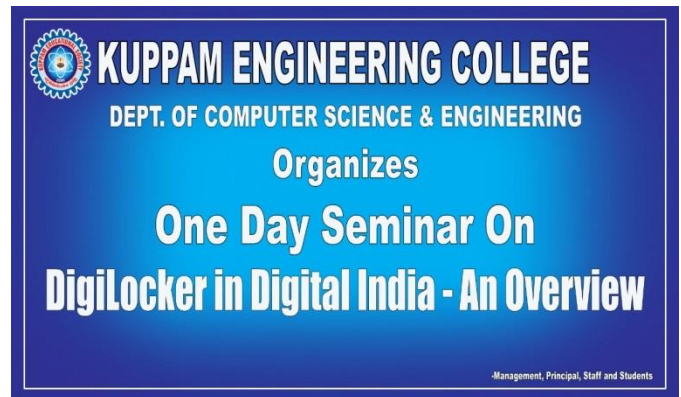
Seminar

Organized “**Design Thinking** ” on 15th March, 2023. Session handled by **Dr.ReebaKorah, Professor and Dean, Alliance University, Bangalore.** Design thinking refers to the set of cognitive, strategic and practical procedures used by designers in the process of designing, and to the body of knowledge that has been developed about how people reason when engaging with design problems.



Seminar

One day seminar on “**DigiLocker in Digital India – An overview**” organized on 29-07-2022.



Farewell-2022

Our III Year Students organized Sayonara-2022 on 12-07-2022 for Final Year B.Tech Students.



Students Achievements



M. Divya from IV B.Tech., got SECOND PRIZE in Project Expo at PSV Engineering College, Krishnagiri, TN on 19-05-2022.



Alphy Peter and S. Cinija from IV B.Tech., got FIRST PRIZE in Quiz Competition at PSV Engineering College, Krishnagiri, TN on 19-05-2022.



Gokul Gireesh from IV B.Tech., got THIRD PRIZE in Paper presentation event at PSV Engineering College, TN on 19-05-2022.



Karthik from IV B.Tech., got THIRD PRIZE in Code Debugging event at PSV Engineering College, TN on 19-05-2022.



R. Jairaj from IV B.Tech., got THIRD PRIZE in paper presentation event at PSV Engineering College, TN on 19-05-2022.



M. Sandhya and T. Ramanjaneyulu from IV B.Tech., got FIRST PRIZE for presenting paper on National Symposium at Vemu Institute of Technology on 17-06-2022.



K. Usha Bala and A. Gayathri from IV B.Tech., participated in Technical Quiz organized by Vemu Institute of Technology on 17-06-2022.



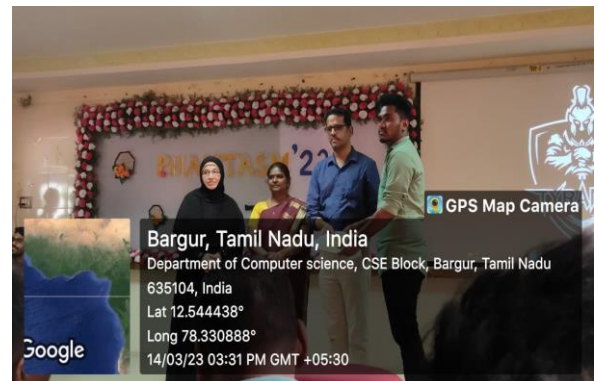
L. Ganesh Kumar Reddy and A. Gayathri from IV B.Tech., participated in Technical Symposium organized by Aditya college of Engineering on 15-06-2022.



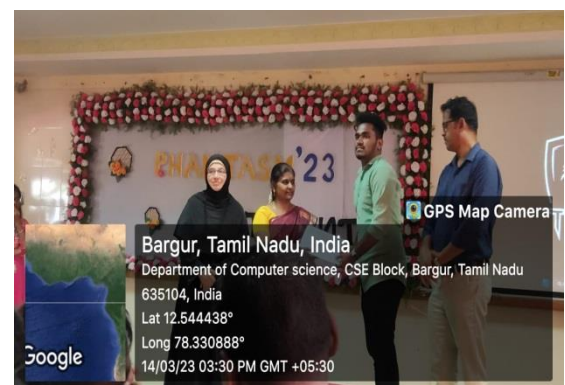
K.S. Jhanavi, K. Anitha and K. Renuka from IV B.Tech., participated in Technical Symposium organized by Vemu Institute of Technology on 17-06-2022.



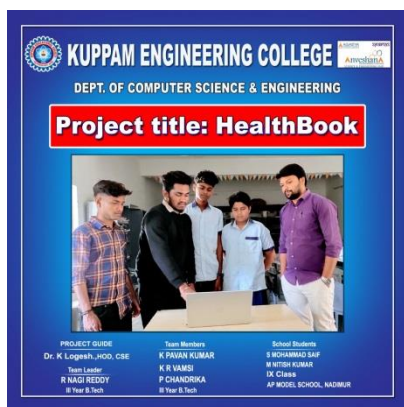
B. Veena Sri and B. Pushpalatha from II B.Tech., got **BEST PERFORMER** award for presenting paper on National Conference at Siddhartha Institute of Science and Technology on 10-03-2023.



G.R. Nagi Reddy from got **FIRST PRIZE** for web designing event on National Level Technical Symposium at Govt. College of Engineering, Bargur, Tamil Nadu on 14-03-2023.



G.R. Nagi Reddy from got **SECOND PRIZE** for Technical Quiz event on National Level Technical Symposium at Govt. College of Engineering, Bargur, Tamil Nadu on 14-03-2023.



G.R. Nagi Reddy and Team participated in ANIVESHANA -2023 organized by Agasthya Foundation in association with Synapsis on 30-02-2023.



P.S. Srikar, G. Sridhar and K.S. Bharath from II B.Tech., students got **FIRST PRIZE** for Paper presentation in National Level Symposium at Vemu Institute of Technology, Tirupathi on 24-03-2023.



G. Hemasri and S. Faziya Fathima from II B.Tech., students got **SECOND PRIZE** for Paper

presentation in National Level Symposium at Vemu Institute of Technology, Tirupathi on 24-03-2023.

K. Sanjana, K. Nivetha and G. Nandhini from II B.Tech., E. Pavanya Sri, T. Jyothi, C. Chaithra and J.L. Bhargavi from III B.Tech., and M. Satheesh and V. Sivaraj from IV B.Tech participated various events in National Level Technical Symposium organized by Vemu Institute of Technology, Tirupathi on 24-03-2023.

200+ students are undergone Internship to various companies like Wipro, YoungMind Technology, BrainOvision, Internsala etc.,

Publications

1. A paper " Secure and Efficient dual access control scheme in cloud based data storage and file access with QR Code", *Journal on Child Studies in Asia-Pacific Contexts* by K Logesh, Sarath Subramanian, vol-12, Issue-1, pg.53-63.
2. A paper " A Supervised Machine Learning Based Intrusion Detection Model for Detecting Cyber-Attacks Against Computer System", *International Journal on Communication Networks and Information Security* by S. K., Gnanamurthy, S., Sakthivelu, V. K., & Kaliappan, V. K. , vol-3, Issue-14, pg.16-25, 2022.
3. A paper " Prediction of stopping distance for autonomous emergency braking using stereo camera pedestrian detection", *International Journal on Materials Today* by Rajendar, S.,

Rathinasamy, D., Pavithra, R., Kaliappan, V. K., & Gnanamurthy, S., vol-51,pg.1224-1228,2022.

4. A paper "**Predictive Performance Analysis of Multi Vitamins Using Machine Learning**", International Journal on analytical And Experimental model analysis by Mrs. Suneetha Y, Mr. K Prakash ISSN No 0886-9367.
5. A paper "**Using CNN and YOLO Detect Face Mask and Social Distance Along With Temperature.**", Journal on Algebraic Statistics by D. Sumathi Lydia A , S. Baskaran vol-13,Issue-1,pg.210-215,2022.
6. A paper "**Implementing a Model to Detect Diabetes Prediction using Machine Learning Classifiers**" Journal on ALGEBRAIC STATISTICS by D Sumathi P J Sireesha, K Prakash vol-13, Issue-1,pg. 558-566,2022.
7. A paper "**Implementing a Model to Detect Parkinson Disease using Machine Learning Classifiers**" Journal on ALGEBRAIC STATISTICS by D. Sumathi Uday Kumar G S, S. Baskaran vol-13, Issue-1,pg. 99-110,2022.
8. A paper "**Predictive Diagnostic Analysis for Early Detection of Alzheimer's disease Using Machine Learning**" Journal on ALGEBRAIC STATISTICS by Dr. D. Sumathi K.C.Veena, R. Kavi Priya vol-13, Issue-1,pg. 586-592,2022.
9. A paper "**Automated Attendance Management System using Computer Vision and CNN**" Journal on National Conference on Recent Trends in Information Communication and Computing Technology by M. Divya Dr.

D. Sumathi - NCRICCT'22 vol-2022,issue-1,2022.

10. A paper "**Identification of Plant Nutrient Defecency by using CNN**" Journal on National Conference on Recent Trends in Information Communication and Computing Technology - NCRICCT'22 by M. Divya Dr. D. Sumathi vol-2022,issue-1,2022.
11. A paper "**Automatic Attencance System**" Journal on National Level Technical Symposium - Prayukthi 2K22 by M. Divya Dr. D. Sumathi vol-2022,issue-1,2022.

Patents Published

1. A patent on "**systematic approach to analyze the evolution of artificial intelligence in smart buildings for energy efficiency**" by dr.d.sumathi, application number 202341002132 a,2023.
2. A patent on "**machine learning based technique to study the rtio of professional courses opted by students**" by dr. K. Logesh, appl. No. 202241010379 filing on 04 / 03 / 2022

Webinars

Department of Management Studies has organized a National level webinar on “Mutual fund Investment” on 23rd July 2022. Dr.J.Murthy BSE Financial Education trainer, Tirupathi was the resource person. In this webinar 60 participants from different places were participated and acquired the awareness of investment and gain knowledge on different investment options that yields more returns by minimizing risk. It also analyzes the importance of proper financial planning, especially in pandemic.

Department of Management Studies of has organized a National level webinar on “Soft Skills” on 10th March 2022. Dr.M.Rajanikanth Assistant Professor Symbiosis University Hyderabad was the resource. The team of faculty members has studied on language learning and communication skills. In this webinar 70 participants from different places were participated and analyze the importance of soft skills in current market. And it also provides some insights to the participants for their better future.

Department of Management Studies has organized a National level webinar on “Data analysis & AI prediction models” on 10th January 2022. Dr.K.Lokesha Assistant Professor, Ramaiah Institute of Technology Bangalore was the resource. In this webinar 60 participants from different places were participated and acquired the knowledge of Data analytics the got the awareness about AI prediction models.

Department of Management Studies has organized a National level webinar on “Awareness on ERP Packages and its Opportunities” on 23rd December 2021. Mr.D.Chinnappa Reddy SAP Consultant Apple Inc. Hyderabad was the resource person. In this webinar 81 participants from different places were participated and acquired the awareness of ERP and know the importance and also its

pivotal role in the current business world. It gives a way for aspirants to get into the market with ERP Packages.

Department of Management Studies has organized a National level webinar on “Financial Planning and its Importance” on 15th September 2021. Dr.J.Murthy BSE Financial Education trainer, Tirupathi was the resource person. In this webinar 66 participants from different places were participated and acquired the awareness of investment and gain knowledge on different Investment options that yields more returns by minimizing risk.

Department of Management Studies has organized a National level webinar on “External Training and Development” on 10th July 2021. Dr.N.R.Mohan Prakash Associate Professor GITAM University Visakhapatnam was the resource. In this webinar 65 participants from different places of the country were participated and acquired the knowledge of improved the how to communicate with others and developed the language skills.

Department of Humanities and Sciences

Orientation on Library Resources and services

Organized "Orientation on Library Resources and Services" for the students on 25-01-2022. The Chief Librarian Dr. C. G. Saravana addressed the students regarding the functions of Library, do's and don'ts in the Library.



Awareness Workshop on MOOC SWAYAM-NPTEL & IIRS-ISRO

Organized "Awareness Workshop on MOOC SWAYAM-NPTEL & IIRS-ISRO" on 29-01-2022. Dr. K. Rasadurai, SPOC of KEC NPTEL Local Chapter addressed the students.



India's Contribution to Mathematics through Ages

AICTE and Ministry of Culture jointly organized Dhara the first conference on "India's Contribution to Mathematics through Ages" on 25th February 2022. First year students were participated in this virtual conference.



National Science Day

Celebrated "National Science Day" on 28-02-2022. The Chief Guest Sri. K. Ramesh, Micro Irrigation Officer, Pracruthivanam, delivered a talk on "Latest Technologies in Irrigation"



Three Days Programme on Meditation

Organized "Three Days Programme on Meditation" from 17-10-2022 to 19-10-2022. The trainer from Heartfulness Sri. Ugramam Murali addressed and trained the students in Meditation.



Inauguration of 1st Year B.Tech Classes

First Year Classes for the Academic Year 2022-2023 was inaugurated by our honorable Chairman Sri.B.C.Nagaraj on 6-12-2022.



Orientation Programme

Department organized Orientation Programme for the First Year Students on 6th December 2022. The Chief Guest Sri. Kotha Ravindra Babu Head-HR & Admin Hindalco Industries Limited addressed the students on “Better to Best”.



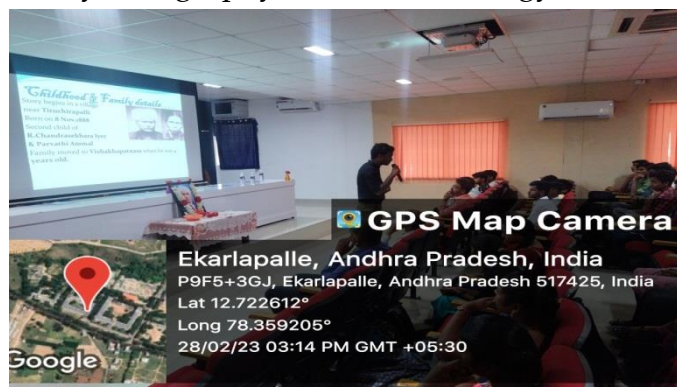
Young Ramanujans' Mathematics Fest-2K22

Organized “Young Ramanujan’s Math’s Fest-2K22” on 22nd December 2022 to mark the 135th birth anniversary of Srinivasa Ramanujan. Intermediate students of various Junior Colleges were participated in the Fest.



National Science Day Celebrations

Celebrated National Science Day on 28-02-2022 by paying tribute to Sir.C.V.Raman. The Chief Guest Sri. S. Silambarasan, Assistant Professor of Physics given a lecture on the “Recent trends in Crystallography & Nanotechnology”.



Faculty Publications

1. A paper on “Crystal Structure L-Asparagine Potassium Nitrate Single Crystals” Published by **Mr.S. Silambarasan** Journal of Advances in Nanotechnology (SCI-Journal) Nov 2022.
2. A Paper “Violence, Dark and Light and Consequences in Cormac McCarthy’s Blood Meridian” Published by **Mr. C. Ramesh** Bharath Institute of Higher Education & Research Chennai Feb 2022.

Internal Quality Assurance Cell

Submission of AQAR and SSR to NAAC

IQAC successfully submitted the Annual Quality Assurance Report for the Academic years 2020-2021 & 2021-2022. Also submitted the Self Study Report to obtain the accreditation from National Assessment and Accreditation Council (NAAC). The committee visit to the college is expected during the month of April 2023.

Awareness on OBE

"**Awareness on Outcome Based Education**" was Conducted by IQAC on November 26, 2022. The resource person was Dr.S.Baskaran, Associate Professor & Vice Principal, and Dr. K. Logesh, Associate Professor & HOD CSE of KEC. There were 26 faculty members attended and gained the knowledge on OBE.



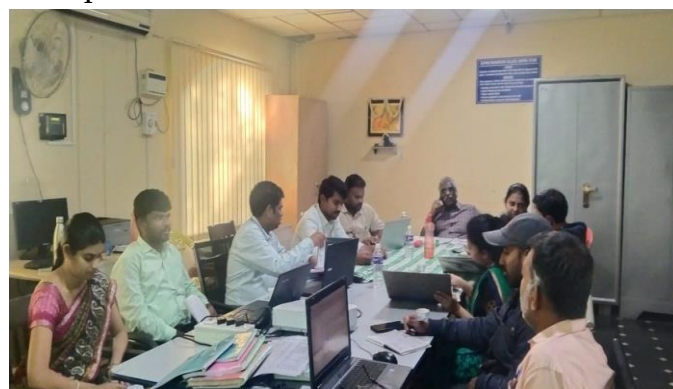
Workshop on new NAAC Norms

The IQAC has conducted one day seminar on "**New NAAC Norms**" for the faculty members of our college. Dr. N. Srinivasa Rao being resource person of the program explained about the process of revised NAAC metrics and clarified the doubts raised by the faculty members.



Workshop on new NAAC Norms

The IQAC has conducted two days training on "**Orientation on NAAC Accreditation**" for the faculty members of our college from 29-12-2021 to 30-12-2021. Dr. G Manikandan being resource person of the program explained about the process of submission of AQAR and clarified the doubts raised by the faculty members. Also he explained about all the NAAC SSR criteria.



IQAC Meetings & Audit

IQAC meetings were conducted regularly once in a quarter. Discussed and action plans and action taken on the previous meetings proceedings. Meetings held on 25-11-2021, 16-02-2022, 15-07-2022 and 05-12-2022. Internal academic and administrative audit was conducted by IQAC, Trained internal auditors conducted the audit in all the departments from 23-08-2022 to 25-08-2022.

Career Development Cell

Awareness Session on Soft Skills Enhancement



Organized One Day Awareness Session on “**Soft Skills Enhancement**” on 30th March, 2021. The Session was handled by **Mr. Anand, Soft Skills Trainer**, given the importance of Soft Skills to the students. 234 B.Tech students were attended the session and learnt about Teamwork, listening abilities, strong communication, adaptability to change.

Orientation Program on Effective Utilization of Reference Globe Learning



A Orientation Program on “**Effective Utilization of Reference Globe Learning**” was conducted on 09th May, 2022. The Session was handled by **Mr. K. Nagendra, Founder & CEO Reference Globe**, given the importance of online learning & Assessment tool. The session was very useful and students gained knowledge of Reference globe Assessment tool.

Awareness Session on Job Opportunities



A One day Awareness Session on “**Job Opportunities**” was organized on 13-04-2022. The Speaker for the session, **Mr. M. Venkatesh (COO, Permit solutions)** had explained the importance of students in different job opportunities in the core domain. Students from III B.Tech (EEE, MECH, CIVIL) were attended the program and gained knowledge about various Job opportunities in the industry.

Life & Communication Skills Enhancement Program



Organized “**One Week Program on Life & Communication Skills Enhancement Program**” from 14th May, 2022 to 19th May, 2022. Session was handled by **Mr. Anand & Mr. Viswanathan**, explained the important concepts of Communication and Life Skills.

Workshop on Management Skills



Organized Three Days Workshop on “**Management Skills**” from 06th June 2022 to 08th June 2022. The Session was handled by **Mr. Swamynathan, Softskills Trainer** explained the concepts of Management Information and Business Model to the MBA students.

Higher Education & Employment Opportunities in Overseas



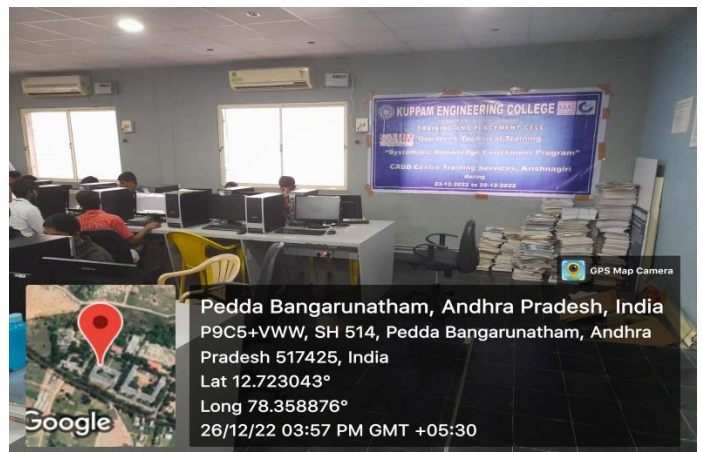
Organized One Day Awareness Session on “Higher Education & Opportunities in Overseas” on 08th Dec 2022. Session was handled by **Mr. Gautaman Thiruveethi, BE, Ms(UK) Overseas Consultant, Chennai**, explained the concepts of overseas study & job opportunities .

Awareness Program on Core Job Opportunities in the Industries



Organized “**One Day Awareness program on Core Job Opportunities in the Industries**” on 09th Dec, 2022. Session handled by” **Mr.Gopi, Sr.HR & Operations,GIGHZ IT Solutions, Bargur**. About 234 students were participated.

Systematic Knowledge Enrichment Program



Organized “**Five Days Workshop on “Systematic Knowledge Enrichment Program”**” from 23-12-2022 to 29-12-2022. The Session was handled by **Mr. Sri Madhan Prabhu, Technical trainer, CADD centre Training Services**. 90 students from I,II,III B.Tech (EEE,MECH,CIVIL) attended the workshop and gained knowledge.

Guidance on Shaping your Career & need of International Exposure



Organized One Day Awareness Session on “**Guidance on Shaping your Career & need of Internal Exposure**” on 28-12-2022 . The Session was handled by **Mr.K.Ahamed Shareef,TU Dresden,Germany.Educational Mentor** . The resource person was explained the various abroad educational opportunities and created awareness about the international studies to the students of III year B.Tech CSE & ECE students.

Mega Job Fair 2022



A Mega Job Fair was conducted by the Career Development Cell on 13-08-2022. Total 25 various IT & Core companies gave various job opportunities through this job fair. Around 1685 students have registered and a Grand total of **513 students got placed** & received their offer letters from various companies.

Placement Day



Placement Day Celebration was organized by Career Development cell to the 2022 passing out students on 12th July 2022. we have achieved **320 offers** from various 27 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.

Industry Supported Laboratories

The objective of APPSDC SIEMENS tSDI in our institute is to train current students and unemployed youth in various skilled courses for providing the better practical oriented skill set in order to provide fit in industry. Till now three thousand plus students are trained in siemens labs. Our tSDI contains totally seven labs, all labs are listed in detail.

Computer Based Training Lab

One Month Training Program on Design / CBT-Solid edge from January 15 2022 to March 15 2023, 141 students from Kuppam Engineering College and other colleges are attended.



Auto 2- Wheeler Lab

One Week Training Program on Auto 2-Wheeler from January 15 2022 to March 15 2023, 188 students from Kuppam Engineering College and other colleges participated in master and expert levels in different levels.



Auto 4- Wheeler Lab

Auto 4-Wheeler Training Program for One Month From January 15 2022 to March 15 2023, 159 students from Kuppam Engineering College and other colleges participated in various levels.



Welding Lab

50 students participated in a one-week welding training programme for students at Kuppam Engineering College and other colleges from January 15 2022 to March 15 2023.



Electronics- Home Lab

Three-week Electronics Home Training Program completed There were 159 participants from Kuppam Engineering College and other colleges from January 15 2022 to March 15 2023.



Electronics- Office Lab

Two-week Electronics Office Training Program completed There were 417 participants from Kuppam Engineering College and other colleges from January 15 2022 to March 15 2023.



List of students Trained under KEC-tSDI in difffernt Labs during Academic Year 2022-23(Intenal/External students).

Name of the lab	Internal Students	Outside studens	Total
CBT	35	106	141
2 Wheeler	70	118	188
4 Wheeler	20	30	50
Eelectronic Home	37	122	159
Electronics office	122	295	417
Welding	32	118	150
CNC	-	35	35

CNC Lab

Two-week CNC Training Program completed There were 35 participants from Kuppam Engineering College and other colleges from January 15 2022 to March 15 2023.



National Service Scheme

Covid Vaccination Drive for 15 to 18 years aged students

Conducted "Covid Vaccination Drive for 15 to 18 years aged students" on 03-01-2022. Nearly 200 students vaccinated.



Covid Vaccination Drive

Conducted "Covid Vaccination Drive" on 01-02-2022. More than 100 students and faculty members were vaccinated.



International Yoga Day

Conducted an "Awareness programme on Cancer" on 4-02-2022. Dr.N.Sunil Raj addressed the students.



Special Camp 13-03-2022 to 19-03-2022

Adopted "Pedda Bangarunatham" village of Kuppam Mandal and conducted Special Camp in the Village from 13-03-2022 to 19-03-2022. During the camp the following events were conducted.

- Socio Economic Survey
- Cleaning and sanitary
- Education Awareness
- Tree Plantation
- Health Camp
- Welfare and Nutrition
- Disposal of garbage



International Yoga Day

Organized an “Awareness Programme on Benefits of Yoga” conducted on 21-06-2022. Sri. Gopi, Yoga Guru created awareness and performed yoga. Students and Faculty members were benefited.



Van Mahotsav

Organized “Van Mahotsav” sapling plantation programme from 25-07-2022 to 31-07-2022 in College Premises. Planted more than 100 saplings and 1000 Seed Balls were prepared and distributed among staff and students.



Cleaning of Statues

In view of 75th Independence Day Celebration our NSS volunteers cleaned the statues of Mahatma Gandhi, Subhas Chandra Bose, Dr. B.R. Ambedkar and Potti Sreeramulu at Kuppam on 10-08-2022.



International Literacy Day

Conducted an “Awareness on Literacy Skills” at Govt. MPP School, Thambigani Palle, Kottalu on 08-09-2022.



Awareness Programme on “First Aid”

For the people and school students in Paipalyam Village our NSS unit organized an Awareness programme on “First Aid” like Snake Bite, Drowning, Heart Attack (CPR) and Bleeding Cut through demo on 14-09-2022.



Ozone Protection Day

Awareness programme Conducted on “Ozone Depletion” for the ZP High School students in Kuppam Town on 16-09-2022.



NSS Foundation Day

In view of NSS Foundation Day, our NSS unit conducted "Tree Plantation & Seed Ball Distribution" on 24-09-2022.



World Hand Washing Day

Conducted an awareness programme about "Clean Hands can stop Germs" for the MPP School students on 15-10-2022 at Thambiganipalli.



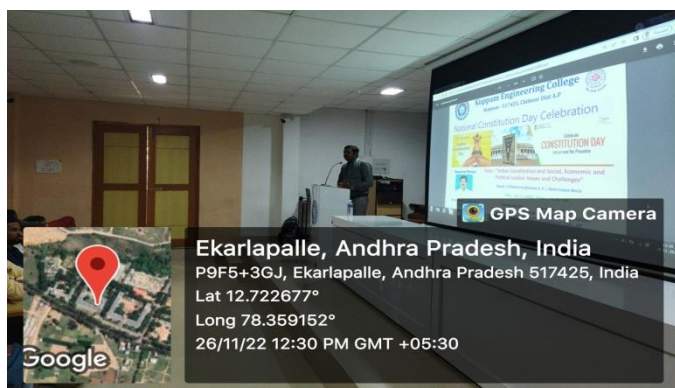
Clean India Programme

In connection with Clean India programme the NSS volunteers cleaned the surroundings of Gudivanka temple on 21-10-2022 at Gudupalli.



Constitution Day Celebrations

Organized Seminar on "India Mother of Democracy" on 26-11-2022 in our college premises. Resource Person Dr.K.Rasadhurai, Professor addressed the students.



AIDS Awareness Rally

AIDS Awareness Rally conducted on 1-12-2022, from Kuppam Engineering College to Pedda Bangarunatham village and created awareness among the people.



Sanitization Programme

Organized Sanitization Programme on 8-12-2022 at Pedda Bangarunatham village. Our NSS volunteers cleaned all the streets, drainages and sprinkling the bleaching powder.



Blood Donation Camp

NSS Unit organized Blood Donation Camp in our campus on 27-12-2022. Twenty Nine units of blood were donated by the students.



Awareness on Voting Rights

NSS volunteers conducted awareness about the importance of voting to the people in the Pedda Bangarunatham village on 25-01-2023.



Free Eye Camp

Conducted "Free Eye Camp" collaborated with Lions Club Warriors Kuppam on 11-02-2023. More than 100 members were benefited through this camp.



Collection of E-Waste

Collaborated with Kuppam Lions Club Warriors our NSS unit organized awareness on E-waste to the students. Management and students have been given E-Waste to Kuppam Lions Club Warriors on 15-02-2023.



Awareness on Voting Rights

Served food to the devotees during the Maha Shivaratri festival on 18-2-2023, held at Mallappa Konda, Gudupalli.



Woman Empowerment Cell

Awareness Programme on Women equality

The WEC has conducted one day programme on “Awareness Programme on Women equality” on 04-01-2022 for the students of our college. Dr. D. Sumathi, WEC Chairman, the resource person of this program gave awareness about women Equality and explained the impact of the digital gender gap on widening economic and social inequalities. Around 138 students were participated this programme.



Awareness Programme on Learning and Education

The WEC has conducted one day programme on “Awareness Programme on Learning and Education” on 28-01-2022 for the students of our college. Dr. D. Jayakumar, Placement Coordinator, the resource person of this program gave awareness about Education is essential for the sustainable and equitable in this society, and also explains the importance of self learning and opportunities. Around 116 students were participated this programme.



International Women's Day

The WEC has conducted one day programme on “International Women's Day” on 08-03-2022 for the girl students and female faculty members of our college. Smt. M. Sailaja, Deputy Executive Engineer, Roads & Buildings Department, Kuppam, the resource person of this program explained about the important of women education, cracking government examinations and opportunities. Around 310 girl students and female faculty members were participated this programme.



Awareness Programme on Quality Improvement

The WEC has conducted one day programme on “**Awareness Programme on Quality Improvement**” on 18-03-2022, for the girl students and female faculty members of our college. Dr. K. Logesh, HoD/CSE, the resource person of this program explained about how the quality management system enhances the quality performance and to enhance students outcomes in a systematic manner. Around 116 students were participated this programme.



Women Health and Self Hygiene

The WEC has conducted one day programme on “Women Health and Self Hygiene” 04-06-2022 for the students of our college. Dr. D. Sumathi, WEC Chairman, the resource person of this program gave awareness about to protect women health, the causes of and precautions of iron deficiency anemia and importance of self hygiene and habits. Around 100 girls students were participated this programme



International Girl Child Day

The WEC has conducted one day programme on “International Girl Child Day” on 11-10-2022 for the girl students of our college. Smt. V. Pallavi, Principal Junior Civil Judge, Kuppam, the resource person of this program gave awareness about to protect ourselves in this society and women rights. Smt. Arunashree, ICDS explains the importance of healthy food,

and develop self-courage. Around 310 girl students and female faculty members were participated this programme.



Women in Innovative Research and Development

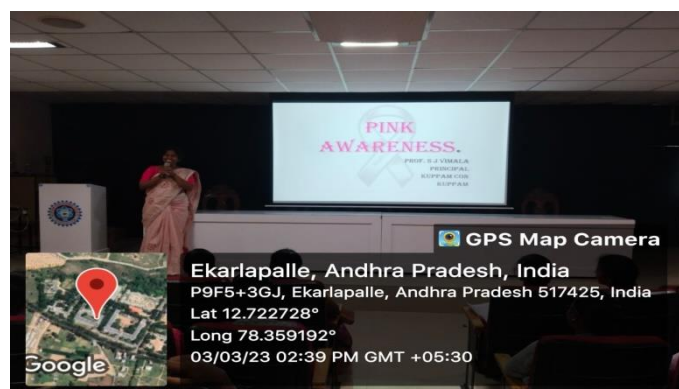
The WEC has conducted one day programme on “Women in Innovative Research and Development” on 05-12-2022. Dr. K. Madhavi, HoD/CSE, the resource person of this program explains the current trends and opportunities for girls in the field of computer science to do research projects. Around 120 girl students were participated this programme.



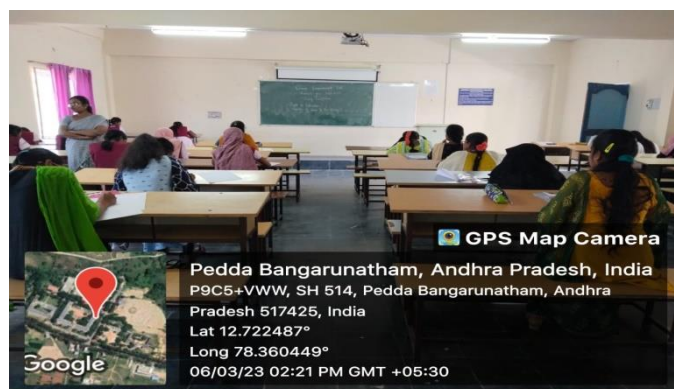
Pink Awareness Programme

Women Empowerment Cell has organized an Awareness Programme on “Pink Awareness” on 03.03.2023. Dr.S.J.Vimala, Principal, Kuppam College of Nursing, Kuppam, addressed the students about breast cancer awareness. And she explained about way to find the breast cancer and food

pyramid. All the girls students and Faculty Members have attended the programme.



Sandhini, AP/CSE acted as Juri for this event and selected the winners based on the content, Presentation and topic coverag



Pencil Drawing

Women Empowerment Cell organized “Pencil Drawing” Competition on 06-03-2023 at LH-200. Around 7 students were registered for this event. Ms.K.Renuka AP/EEE, and Ms.Kanchana, AP/EEE acted as Juri for this event and selected the winners based on the Time period, apperence and Theme.



Essay Writing

Women Empowerment Cell organized “Essay Writing” Competition on 06-03-2023 at LH-200. The title for competition is 1.Right to Education.2.Importance of women in the Society.Around 31 students were registered this event. Mrs. S. Saranya Devi, AP/CSE, and K.

Mehandi

Women Empowerment Cell organized “Mehandi” Competition on 07-03-2023 at LH-200. Around 8 students were registered this event. Mrs.R.Girija, AP/CSE, and K. Shandhini, AP/CSE acted as Juri for this event and selected the winners based on the Them,design and Outlook with Explanation.



Debate

Women Empowerment Cell organized “Debate” Competition on 06-03-2023 at LH-200. Around 10 students were registered for this event. Ms.Lidiya AP/CSE, and Mr.P.Suneetha, AP/CSE acted as Juri for this event and selected the winners based on the Time Style of talk,Content.



Fancy Dress

Women Empowerment Cell organized “Fancy Dress” Competition on 08-03-2023 at Sir.C.V.Raman Auditorium. Around 21 students were registered for this event. Mrs. Agila, AP/HAS, and Ms. S. Gunapriya, AP/HAS acted as Juri for this event and selected the winners based on the Dress, Walk and Performance.



International women's day

The WEC has conducted one day programme on “International Women's Day” on 08-03-2023 for the girl students and female faculty members of our college Dr. M.A. Uma, MBBS, MD, Professor and HOD of General Medicine, PES Institute of Medical Science and Research, Kuppam. the resource person of this program explained about the important of Nutritional Challenges All girl students and female faculty members were participated this programme.



DISHA SOS App – Awareness Programme

Women Empowerment Cell conducted an Awareness Programme for DISHA SOS App to our students from all departments. The chairman of WEC Dr. D. Sumathi, and the members of Women Empowerment Cell are jointly organized this programme.



The Resource person Mr. J. Lokesh Kumar, Panchayat Secretary, Kuppam, and Ms. S. Lakshmi, Mahila Police, Kuppam are address the gatherings regarding Disha mobile app, to help women in distress, and demonstrated how women can send SOS the app which will alert the nearest police patrolling vehicle.

Ms. T. Lavanya, Mahila Police, P B Natham and Ms. A. Pallavi, Mahila Police, Mankaladoddi are give demonstration about DISHA SOS APP, and guided our students to download and install the app to their smart phones.