



**ELECTRONICS
and
COMMUNICATION
ENGINEERING**



The Buzz



Highlights of ECE

- ❑ **VAJRAPAAT App** launched by Hon'ble Chief Minister **Sri N Chandrababu Naidu garu**
- ❑ **NEWGEN IEDC** sponsored by **NSTEDB, DST, New Delhi** with grant of **2.875 Crores**
- ❑ Received grant of **10.3 lakhs** from **IIPC**

Inside this issue:

Messages from	2-3
Department activities	4-34
Faculty Achievements	35-37
Student Achievements	38-40
Strength of the Department	41

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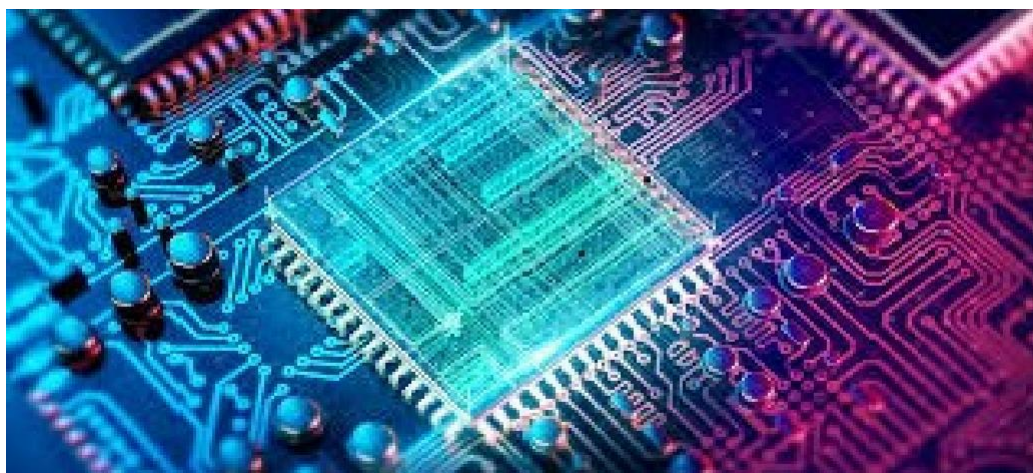
Volume 9

Newsletter

January 2019

About the Department

The department of Electronics and Communication Engineering has a rich tradition in research and teaching. The research interest of the faculty members of the department encompass the wide area of applied and fundamental aspects of Electronics and Communication Engineering. We at Kuppam Engineering College, strive to provide quality education, research and training to match global standards. We shall Endeavour to bring out the hidden technical skills and abilities of the students with a view to achieve highest quality technical education to shape their future. The department has successfully received many project grants funded by various agencies and is committed to impart quality education for developing innovative Engineers who can redefine the global standards.



From Chairman Desk



The vision of Kuppam Engineering College is to impart quality technical education, bring out the hidden skills and abilities of the students with proper discipline. We provide education, research and training at all levels to match global standards. Our policy is to mould the students by building confidence in them by 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 upgrade them. Finally, it will give us immense pleasure when students graduated from our college are well placed in their careers as opportunities will come knocking at their doors. The newsletter which is being rolled out today marks the launch of an effervescent activity that would enable the Management to bring out to the notice of the competitive world, the academic achievements of our prestigious institution. Kuppam Engineering College has grown by leaps and bounds, hurtling across barriers along the way. This has been made possible with the collaborative effort of the Management, the Staff and the Students of ECE department. I congratulate them for their commitment.

**Shri. B. C. NAGARAJ, M.B.A.,
Founder & Chairman**

YOUR SUCCESS
IS
OUR DREAM

From Vice Chairman 's Desk



We at Kuppam Engineering College always strive to achieve excellence in science and technology by imparting quality education with moral values. Along with regular academics we are equally providing training activities, research programs and industry institute interaction. We purely emphasize on entrepreneurship and leadership. Our aim is to produce young and dynamic leaders who can make their parents and the nation proud. I am delighted to know that ECE newsletter carries the Department news and the achievements of our staff and students, who earn credit for the institutions, is being released. On this gracious occasion I wish all the best to those who are responsible for bringing out this letter. On reading this text, it would definitely be an inspiration and motivation for the other students and staff to perform better and add on their contributions in the forthcoming issues. Congratulations to all of them.

**Dr. N. SUNIL RAJ, M.B.B.S.,
Vice Chairman**

Vision of the Department

To evolve as a Centre of excellence in education and research, train students in contemporary technologies to meet global needs and develop them into skillful engineers imbued with knowledge of core as well as inter disciplinary domains, human values and professional ethics.

Mission of the Department

To accomplish excellence through experienced / trained faculty with scope for research and enable students to face global challenges with moral, ethical and social values.

M1- Providing an experienced and trained faculty for impart quality education to face national and global challenges

M2 - Carry out research through constant interaction with research organizations and industry

M3- Providing educational environment with moral and ethical values



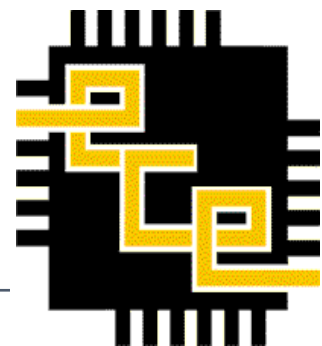
From Principal's Desk

It gives me immense pleasure to welcome you all to KEC, an eco-friendly campus that strives with a goal to attain excellence by empowering students with sound knowledge wisdom and experience. Our strength lies in creating pleasant ambience with an excellent infrastructure, qualified and experienced faculty committed to personal care, motivation to excel in academic, extracurricular activities and continuous interaction with industry. Over the past 17 years the college witnessed a string blend of state of the art infrastructure and dedicated human resource committed to provide professional education with trust on creativity and innovation. The motivating environment in KEC for knowledge, assimilation, generation and dissimulation with a sense of social responsibility, human values and concern for environment has carved a niche for itself among the best technical institutes.

"A desire can change nothing, a decision can change something, but a determination can change everything"

Be committed with strong determination to learn and reach new horizon, KEC will shape you for a successful and rewarding career.

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



From HoD's Desk

Greetings and welcome to the issue of the TECHNEWS Newsletter! A newsletter inspires and motivates students and staff alike, for it reminds them of the zeal that they had once to do something extraordinary. We were overwhelmed by the response that we received from the coordinators and faculty members of ECE in making this newsletter possible. In this newsletter, we have reported significant achievements of the Department Staff and Students. Campus news and events, and the placement scenario have also been emphasized. I am glad to acknowledge the kind support that I received directly and indirectly, to bring out the newsletter on time.

Dr. G. N. KODANDA RAMAIAH, M.Tech., Ph.D, MISTE
PROFESSOR & Head, ECE
R&D Director



Editorial Board members:

1. Dr. K. Rasadurai, Assoc. Prof., ECE
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5. Mr. M. Lakshmipathy, Assoc. Prof., ECE
6. Mr. Santhosh B. Panjagal, Assoc. Prof., ECE
7. Mr. Sathyanarayana, Lab Instructor, ECE



Discussion about on-going Projects with ISRO Scientists



Dr. G. N. Kodhandaramaih and Mr. Nandakishore, Department of ECE visited S.V. University and interacted with ISRO scientists Dr. B.V Sreekanth, Dr. Varadarajan Apshe, *Secretary of Higher Education*, Dr. Basakar Rao, *R&D, S.V University* and industry persons from Chennai on 2nd June 2018. They discussed about the innovations and on-going projects in the department and how to convert the projects into real time products useful to the society.

Innovative Project Display at Tirupati



The students of final year ECE along with the faculty displayed the innovative projects at Tirupati on 6th June, 2018. Students along with faculty members Mr. Nandhakishore and Mr. Ajay Kumar Reddy explained the project idea to the Honourable Chief minister Sri. Nara Chandra Babu Naidu garu and other guests accompanied him in the expo for grading the projects. This provided a great platform to the students, faculty and college to showcase the talent.

The Honourable Chief Minister **Sri. Nara Chandra Babu Naidu garu** appreciated the innovative work of the students and guidance of the faculty. He also appreciated the Management of Kuppam Engineering College for the motivation given to the students in such innovative works.



Meeting with Minister of Information Technology, Mr. Nara Lokesh



The TIE Amravathi conference on "Developing Entrepreneurship and Enterprise in Educational Institutions" was held at Novotel, Vizag on 13th July, 2018. Dr. G. N. Kodanda Ramaiah, Head of the Department of ECE met **Mr. Nara Lokesh garu, Honorable IT Minister** and other industrial experts to discuss about the various innovations and Entrepreneurship activities conducted in Kuppam Engineering College.

Dr. G. N. Kodanda Ramaiah, also discussed with **Mr. J. A Chowdhary**, Advisor & Principal Secretary of Honorable the Chief Minister & **Mr. Winny Patro, CEO, API-TA**, Govt. Of Andhra Pradesh for extending support to Kuppam Engineering College to convert prototypes to products. Mr. Nara Lokesh garu, appreciated the excellence of KEC in developing innovative projects.





Dr. G. N. Kodanda Ramaiah, Head of the Department and Mr. Santhosh B. Panjagal, engaged in the conferences and meetings regarding the new upgradations in technology related especially to Electronics & Communication Engineering. By the collaborative effort of the Head of the Department with the clear cut mind and with the faculties to be always unique makes the Department of ECE outstanding in the midst of all other departments in KEC.

Talk on 'Innovation and challenges for engineering students to become a successful Entrepreneur'

Dr. Thipeswamy, professor and Head of the Department, **BMSIT Bangalore** addressed our final year students on **18th July, 2018** on 'Innovation and challenges for engineering students to become a successful Entrepreneur'. HOD along with faculty members had a discussion with the guest regarding the methods of shaping the students into efficient and innovative Entrepre-



The guests along with the faculty members and Head of the Department had great time with the students in the discussion of the entrepreneurial future of each and every student having an aim to innovate new products and provide employment to serve the country.

The students were very active in sharing their hopes and plans of their entrepreneurial future rather than the usual engineering questions asked by the conventional engineers. This is marked as one of the big attitudinal changes in the students. The guest was felicitated with a memento its honor him by students and department. The discussion was indeed a great pleasure for both the department and the guest.



Talk on 'Professionalism & its challenges'



An FDP on '**Professionalism & its challenges**' was arranged on **21st July 2018** by New Gen IEDC & Career Development Centre. Experts from Raraku Learning Solutions Pvt. Ltd., conducted the session and provided valuable suggestions to the faculty about the responsibilities and tips to be followed in their profession. Faculties of Department of ECE along with other staff members attended the programme and learned new techniques and methods of teaching.

"Scientists dream about doing Great things. Engineers do them"

- James A. Michener

Discussion on Commercialization of Solar Plant Health Monitoring



Dr. G. N. Kodanda Ramaiah, Head of the Department of ECE and Mr. Anif, *Venture Control and Automation, Bangalore* discussed about the importance of Solar Health Plant and he also gave demonstration on installation of Solar Health Plant on **23rd July 2018**.

*“IoT
Innovations and
Technologies
track provides
a big platform
for businesses
from start-up
level and
beyond to
showcase the
latest
innovation “*

Inauguration of Coding Club @ KEC

Dr. Pandian Angaiyan, CTO, Tech Mahendra, U.S.A, has inaugurated the coding club on **23rd July 2018** at KEC and gave a technical talk on **“IoT - Innovation to market Deployment”** in which he added “The Internet of Things connects the physical world to the Internet so that you can use data from devices to increase productivity and efficiency. Today, the Internet of Things connects physical devices embedded with electronics, software, sensors, and actuators to the cloud and to each other. All kinds of things are being used in IoT applications including consumer products and industrial systems. The IoT Innovations and Technologies track provides a platform for businesses from start-up level and beyond to showcase the latest innovation across the entire IoT ecosystem that are transforming the way of enterprise and business view of the Internet of Things”.





Dr. Pandian Angaiyan appreciated the various projects done by the students and gave his valuable ideas for improving the projects and encouraged the students for more innovative projects. The students explained about the IOT based projects *smart dustbin* and *smart helmet*.

Discussion on Outcome based Education



Mr. R. Mahadevan, Director, Kredo Systems, Chennai visited Kuppam Engineering College on **25th July 2018** for giving a talk on **Importance and benefits of Outcome based Education (OBE)**. He discussed with various heads of the department and section heads about the importance of outcome based education. He also gave suggestions about process to be followed in regular academic activities and SAR preparation. **Dr. G. N. Kodanda Ramaiah**, Head of the Department and Faculty members of ECE interacted with **Mr. R. Mahadevan** on the department activities based on OBE concept and R&D achievements of the department.

Workshop on NI Labview



A workshop on **LABVIEW** was arranged for the final year students of the Department ECE & EEE. **Ms. Poojitha, Technical Trainer, Labview, Bangalore** handled the session and all the final year students of both the department's attended the work- shop. The students learned the simulation procedure which was very useful for them for carrying out their project work using Labview software .

Artificial Intelligence in Industrial Applications



Mr. Anbunathan, Senior Manager from LG system Bangalore visited KEC on **28th July 2018** and highlighted the importance of IOT and artificial intelligence in industrial applications. He gave valuable suggestions about projects using IOT and Artificial Intelligence that are required for automation and other applications in the Industries.

Participation in Project Expo at SVUniversity, Tirupati



The students of 3rd year and final year presented their projects in the project expo held at **Sri Venkateswara University, Tirupati** on **4th Aug 2018** with the guidance of Mr. Nandhakishore, Faculty and Mentor of ECE. The students converted their innovative idea into product and this is one of the opportunities to expose their ideas and has been utilized by the students on behalf of the Kuppam Engineering College. **Sri Nara Chandrababu Naidu Garu, Chief Minister of Andhra Pradesh** is the guest of honor of the Project Expo. The Project Expo displayed innovative adaptation projects from diverse areas. The guest of honour Sri. Nara Chandra Babu Naidu garu interacted with the students and encouraged the students for their innovative ideas.



KEC IDEATHON



Kuppam Engineering College has conducted the **IDEATHON** on **08th August 2018** to create a platform for the students to expose their ideas and encourage the students for new innovations. The chief guest **Mr. Winny Patro, CEO of APIS** Dr. S. Sudhakar Babu, Principal of KEC, Mr. Bhaskar, Vice principal and Dr. G. N. Kodanda Ramaiah, Head of the Department, ECE addressed the students. Mr. Winny patro gave inspirational speech about how to convert innovations into product's through start-ups. He added "Your innovation could be your ticket to success in the business world, and could open up opportunities you never thought you'd have. While it's not an easy process, the first step of turning your idea into a product is sharing it".

"The first step of turning your idea into a product is sharing it"



Mr. Winny patro, CEO of APIS visited the projects done by our students and interacted with the students and faculty members

Mr. Yashwanth of final year ECE won the **first prize** for the best idea of the day in KEC IDEATHON and was appreciated with the prize Cheque of **Rs.5000.**



Discussion on Conversion of Innovations to Products



Dr. G.N. Kodandaramaiah, Head of the Department of ECE visited the **Atal Incubation Centre at S. K. University, Ananthapur** to have an interaction with the **Prof. Nagbhusan Raju, Director** and **Mr. Satish Kumar, CEO, Atal incubation center, on 13th August 2018** at S. K. University. They discussed about the aspect of how to convert innovative idea into products and develop students into entrepreneurs.

Inauguration of IETE Student Forum



The Institution of Electronics & Telecommunication Engineers (IETE) Student Forum has been inaugurated on 17th August, 2018. The Chief Guest Sri. C. Satyanandan, Hon. Secretary, IETE - Bangalore Centre and the Guest of Honor Prof. C. Murali, Former Chairman, IETE Bangalore Centre inaugurated the IETE Student Forum of Department of ECE, Kuppam Engineering College. Honorable Vice Chairman, Dr. N. Sunil Raj garu, Dr. G. N. Kodanda Ramaiah, HOD of ECE Dr. R. Rasadurai, Associate professor, ECE and Mr. S. Baskaran Vice Principal of Kuppam Engineering College honored Sri. C. Satyanandan, Hon. Secretary, IETE - Bangalore Centre and the Guest of Honor Prof. C. Murali, Former Chairman, IETE Bangalore Centre. The Institution of Electronics and Telecommunication Engineers (IETE) is India's leading recognized professional society devoted to the advancement of Science and Technology of Electronics, Telecommunication & IT, found in 1953.



A technical talk was given by **Prof. C. Murali**, on IOT based innovations. He clearly explained about the latest trend in the field of IOT he said that "In a nutshell, the Internet of Things is the concept of connecting any device (so long as it has an on/off switch) to the Internet and to other connected devices. The IoT is a giant network of connected things and people - all of which collect and share data about the way they are used and about the environment around them". He gave a valuable speech on IoT and its applications which created sparks in the minds of students by enhancing their ideas towards future innovations.

Dr. G. N. Kodanda Ramaiah, Head of the Department, addressed the gathering. He added that "The IETE is the National Apex Professional body of Electronics and Telecommunication, Computer Science and IT Professionals. It serves more than 1,25,000 members through various 64 Centres, spread all over India and abroad. The Institution provides leadership in Scientific and Technical areas of direct importance to the national development and economy. The IETE conducts and sponsors technical meetings, conferences, symposia and exhibitions all over India, publishes technical journals and provides continuing education as well as career advancement opportunities to its members".

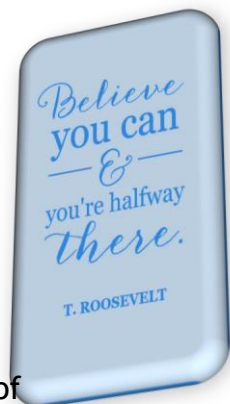


Startup India-BOOT CAMP



Andhra Pradesh is making rapid progress in all developmental projects. Continuing its steady progress, the State envisions its transformation into an innovation-driven society, ranking amongst the three best states in India by 2022 the best state in India by 2029, and, a leading global investment destination by 2050. To make this mission success, the chief of **START-UP INDIA - BOOT CAMP**, Delhi visited the KEC campus and interacted with the students with *on 27th August 2018.*

After the bifurcation of Andhra Pradesh, a big challenge lies ahead in rebuilding the state from scratch. Under the visionary leadership, inspiring dynamism and encouraging guidance of the Hon'ble Chief Minister Shri Nara Chandrababu Naidu, the rising sun state of



Presentation of Ideas by Our students in the Startup



An Idea pitching Session was held at *Sri Padmavati Mahila Visvavidyalayam (Women's university), Tirupati* on **29th August 2018**. Out of 45 ideas, 19 were shortlisted among which 12 ideas are from Kuppam Engineering College. Out of these 12 ideas, 5 ideas are from the Department of ECE presented by the third year and final year students, **T. Kiran sai, C. Manogna, G.Thulasiram, K. Hara Venkateshwara Naidu, M. Dilipkumar, K. R. Ajith kumar** alongwith faculty **Mr. Sathyanarayana (Lab Instructor, ECE)**. It is a great opportunity to the students and faculty members of Kuppam Engineering College.

Participation in Project - Expo at Bangalore





Ms. C. Manogna of Third year and **Mr. Yashwanth & Mr. Prasad** of Final year ECE participated in the Project Expo held at New Horizon College, Bangalore on **05th & 06th September, 2018**. They demonstrated their project **Busifarm** for helping farmers for marketing their products directly to the customers. This was presented to **the honourable chief minister of Karnataka, Sri. H. D. Kumaraswamy** which was highlighted in the Sakshi

Newspaper, District edition, Bangalore on 7th September, 2018.

When you focus on
POSSIBILITIES
instead of problems...
You will see more
OPPORTUNITIES
in your life ♥

Three Days workshop on ARM Cortex



A three day workshop on '**Product development using IoT**' was conducted to the final year students from **5th to 8th September, 2018**. **Mr. Naveen, Application manager** and his team, **Edgate Technology, Bangalore** conducted the session.

Start-up India Andhra Pradesh – Grand Finale at Vizag



The Grand finale of Start-up India Andhra Pradesh was held at Vizag from **09th to 11th September, 2018**. In the State level Competition, our students along with faculty members participated and Kuppam Engineering College got Second Prize in Socio Innovation .

One-Day Workshop on NPTEL



Kuppam Engineering College (KEC) - **SWAYAM NPTEL LOCAL CHAPTER** and National Programme on Technology Enhanced Learning (NPTEL), IIT MADRAS jointly organized “One-Day Workshop on NPTEL” at Kuppam Engineering College on **12th September, 2018**.



NPTEL is the largest, most viewed and highly accessed educational repository in the world. This workshop was conducted to create awareness on the features of NPTEL Online Certification Courses among the teaching community of technical, management and science. NPTEL is to enhance the quality of engineering and science education in the country by developing contents for undergraduate and postgraduate curricula using video and web based courses. Since March 2014, NPTEL started offering certification on courses offered in the open online mode, based on the MOOCs model.



The workshop was handled by **Ms. Kamala Ramakrishnan, Project Officer, NPTEL** and **Mr. Jayakrishnan, Senior Scientist, NPTEL, IIT Madras**. The event was graced by the presence of **Dr. E. Sathyanarayana, Vice Chancellor, Dravidian University, Kuppam, Andhra Pradesh**.



Around 185 (130 + 55) participants from all over south India came together at Kuppam Engineering College to take part in the workshop. Dr. N. Sunil Raj, M.B.B.S, Vice Chairman, Kuppam Engineering College, encouraged faculties to enrol in the NPTEL Online Certificate (NOC) courses & motivated to mentor for NOC courses. He expressed his hearty thanks to NPTEL IIT, Madras and Resource Persons for conducting this workshop in KEC campus. Dr. Eswar Reddy, Principal, JNTUA Constituent Engineering College, Kalikiri, illuminated the positive aspects of MOOCs and was keen on opening more NPTEL local chapters in all the JNTUA affiliated college. Dr. E. Sathyanarayana, Vice Chancellor, Dravidian University, Kuppam, Andhra Pradesh delivered a valuable speech regarding the activity of NPTEL and the proposed activity of MOOCs courses and how to make it reach the student community. He focused on the activity and benefits of MOOCs as to build professionalism in their near future. Ms. Kamala Ramakrishnan, Project Officer, *NPTEL*, Resource person, delivered her technical talk on “*NPTEL Courses & NPTEL Local Chapter*”. **Mr. Jayakrishnan, Senior Scientist**, NPTEL, IIT Madras, shared his experience in mentor and mentorship for NPTEL NOC courses and briefly explained the role and activities of NPTEL.

One-Day Seminar on Product Development Life Cycle and Sustainability



A Seminar on '*Product Development Life Cycle and Sustainability*' was conducted on **20th September, 2018**. Mr. Mohamad Anif from *Venture Control and Automation*, Bangalore. The students of final year ECE attended the seminar.

One-Day Seminar on Prototype to Product Development



A Seminar on '*Prototype to Product Development*' was conducted on **29th September, 2018**. The resource person Mr. Satish Kumar & team, CEO, AIC-SKU Confederation, ATAL Innovation Mission, Govt. of India, gave an mesmerising speech and explained the different stages in product development and methods to promote the products to the market. The students of third year & final year ECE attended the program and highly initiated towards the idea on how to become a successful entrepreneur.

Fresher's Day Celebration



Freshers' Day was celebrated at Kuppam Engineering College on **20th September 2018**. **Dr. Sudarshan Rao, Director, Academic Audit, JNTU Ananthapuramu** was the chief guest. The Students of ECE participated in various cultural events to welcome the Freshers to the Department. **Dr. Sudarshan Rao** gave an inspiring speech on methods to enhance the knowledge on recent technologies in engineering field and become a successful engineer.

Launching of Early Warning System for Lightning



The **Technical Demo & Launching of Early Warning System for Lightning Strike** was held on **13th October 2018**, at Kuppam Engineering College campus by **Dr. S. Varadarajan**, Secretary, Council of Higher Education, APSCH and **Mr. B. V. Srikanth**, Scientist, ISRO, Sriharikota in the presence of **Sri. B. C. Nagaraj**, Chairman and **Dr. N. Sunil Raj**, Vice Chairman of Kuppam Engineering College.

World Restart a Heart Day



గుండెపోటుపై అప్రమత్తత అవసరం



అవగాహన సదస్సుకు పాల్గొన్న విద్యార్థులు



విద్యార్థులకు అవగాహన కల్పిస్తున్న వైద్యులు

- ప్రథమ చికిత్సలో జాగ్రత్తలు తీసుకోవాలి
- పీఈఎస్ లో విద్యార్థులకు వైద్యుల సూచనలు

కుటుంబం: అకస్మాత్తుగా వచ్చే గుండె జబ్బుకు ప్రథమ చికిత్సలు చేసేటప్పుడు తగిన జాగ్రత్తలు తీసుకోవాలని ప్రముఖ వైద్యులు ప్రకటించారు. వుంగల్ వారం కుటుంబం ఇంటికి రోజుకొకటి ప్రాంగణంలో పీఈఎస్ మెడికల్ కళాశాల

వారిపై అత్యవసర పరిస్థితుల్లో గుండె జబ్బులు సంభవించే ఎలాంటి జాగ్రత్తలు తీసుకోవాలన్న విషయంపై విద్యార్థులకు అవగాహన కల్పించారు. ఈ సందర్భంగా ప్రముఖ వైద్యులు మాట్లాడుతూ... గుండె పోటు వచ్చిన రోగికి మొదట ప్రథమ చికిత్సగా విశాలమైన ప్రదేశంలో స్వచ్ఛమైన గాలి తాకించడం ఉండాలని సూచించారు. ఊపిరిదీపులు, గుండె మధ్య బాగాన చేత్తో లోపలికి ఒత్తిడి చేయాలని సూచించారు. తద్వారా శరీరం లో రక్తప్రసరణ అరికట్టే కాన్ వాగా అడుగుతుంది అయిన వెంటనే అంతే

కాకుండా గుండెజబ్బులో స్పృహ కోల్పోయిన వ్యక్తిని ఎడమవైపు పడుకోపెట్టి కుడి చేతిని ఎడమ చేయి మేడ వద్దకు, ఎడమ కాలును నేడుగాపెట్టి కుడి కాలును కడుపు వద్దకు ఉండేలా చికిత్స చేస్తే శ్వాసక్రియ సవ్యంగా సాగుతుందన్నారు. ప్రస్తుతం విష జ్వరాలు అధికమవుతున్నాయని, జ్వరం వచ్చిన వెంటనే స్పృహ కోల్పోయిన వైద్యులను సంప్రదించి తగిన చికిత్స తీసుకోవాలని సూచించారు. శార్వజ్ఞమం లో కళాశాల వైస్ చైర్మన్ సునీల్ రాజ్, ప్రిన్సిపల్ సుధాకర్ బాబు, ప్రముఖ వైద్యులు రచితేజ్, హరీష్ పాల్గొన్నారు.

సాక్షి Wed, 24 October 2018
epaper.sakshi.com/c/33372530

C.R.P awareness program was conducted by **Mr. Balaji & team**, NSS unit of Kuppam Engineering College in association with PES medical college doctors **Dr.Prakash Babu, Dr.Ravi Teja and Dr.Harish** on **25th October, 2018**. The doctors gave a demo on technique to provide first aid to a patient suffer from heart attack. They explained clearly about the steps to be followed to make the patient to be alive before taking to the hospital. All the students and faculty of KEC attended the programme which gave an awareness on saving the life of a person in critical condition.



Project display at SKU, Ananthapur



*“ Young minds
should come out
with more
queries to
enhance their
knowledge along
with their
regular studies”*

Dr. Murali Krishna Garu, chief consultant from Neeti Ayoug along with Mr. Rajgopal, Ex-Vice Chancellor, JNTUA and SKU Anantapur appreciated the projects displayed by Faculty members of ECE Mr. Nandha Kishore and Mr. Santhosh B. Panjagal at Atal Incubation Centre, SKU Anantapur on 2nd November, 2018. Mr. Sathiskumar, CEO of Atal incubation and Mr. Nagbhusan Raju Garu, Head of Atal incubation centre honored Dr. G. N. Kodandaramaiah, R&D Director of Kuppam Engineering College during the inauguration of Atal incubation centre at Sri Krishnadevaraya University. Dr. C. Muralikrishna Kumar addressed the gathering and insisted that the young minds should come out with more queries to enhance their knowledge along with their regular studies.





Discussion with investors **Mr. Manohar Reddy** and **Mr. Soumende** from WWF and **Mr. Sathish Kumar**, Atal CEO at Atal incubation centre on **3rd November 2018** for commercialization of KEC projects, The CEO of Atal Incubation Center appreciated the efforts of the faculty and students of Kuppam Engineering College and assured for extending his support for converting the projects into products.



Discussion with an Entrepreneur about Commercialization of Products

Mr. Pavan, Pavan Empower System, **Mr. Vardarajan**, the secretary of higher education, **Mr. B.V.srikant** ISRO scientist and **Dr.G.N.Kodanda Ramaiah** discussed on converting rural based innovative projects into products on **13th October 2018**.

Faculty Participation in National Level Workshop

Mr. V. Harinath, Associate Professor of Department of ECE, KEC attended a National Workshop on Industry Institute Interaction For Indian Innovation on **2nd November 2018** at ESCI Campus Hyderabad.



Graduation Day



The Graduation Day was held on 17th November 2018. Eminent legends of academia and Industry, honorable Vice Chancellor of SKU and INTUA, Professor **K. Rajagopal garu** and **Dr. N. N. S. R. K. Prasad garu** Scientist 'H' Aeronautical Development Agency, Bangalore were the guest of honor to grace this function.

Participation in the Launch of Institution's Innovation Cell at Delhi



The HRD Ministry Wednesday established an innovation cell at the All India Council of Technical Education (AICTE) on **21st November 2018** with an aim to brainstorm new ideas about promoting innovation in all higher education institutions (HEIs) across the country. The innovation cell was launched at the AICTE headquarters by Union HRD Minister Prakash Javadekar through video conferencing. **Dr. N. Sunilraj**, Vice Chairman and **Dr. G. N. Kodanda Ramaiah**, R&D Director of Kuppam Engineering College participated in the programme and enrolled for the IIC network managed by MHRD's Innovation cell to promote innovation through multitudinous modes leading to an innovation promotion eco-system.



Dr. G. N. Kodanda Ramaiah, R&D Director received memento from **Dr. Abbe Jade**, incharge of MHRD innovation cell on the behalf of Kuppam Engineering College.

Inauguration of PMKVY – Skill Development Programme

Pradhan Mantri Kaushal Vikas Yojana (PMKVY) is the flagship scheme of the Ministry of Skill Development & Entrepreneurship (MSDE). The objective of this Skill Certification Scheme is to enable a large number of Indian youth to take up industry-related skill training that will help them in securing a better live projects. Kuppam Engineering College has registered as one of the centre for conducting Free Skill Development Training Programme (FSDTP) through PMKVY. FSDTP



కేఈసీలో పీఎం కౌశల్ యోజనా ప్రారంభం

కపూ: పట్టణంలోని కపూ ఇంజనీరింగ్ కళాశాల లో శుభవారం ప్రధానమంత్రి కౌశల్ వికాస్ యోజనా ప్రారంభించారు. ఈ సందర్భంగా పీఎంఎస్డీసీ జిల్లా ప్రోగ్రామ్ మేనేజర్ లోకనాథం, జిల్లా కో ఆర్డినేటర్ సుధాకర్ బాబు మాట్లాడుతూ ఇందులో మొత్తం 8 కోట్ల రూపాయలు అందుబాటులో ఉన్నాయన్నారు. కోట్లలకు ఉపాధి సౌకర్యం సులభం చేయడం విద్యార్థులు అభ్యుదయం కోసం చాలా దివిడ రంగాల్లో పెట్టెత్తడం ఉద్యోగాలు అందుబాటులో ఉంటాయన్నారు. డిగ్రీ, అంతర్జాతీయ పట్టం విద్యార్థులతో నైపుణ్యమున్న అభ్యుదయ ప్రవర్తనలు అందిస్తామని, వీటితో సులభంగా కార్మికమంట్ కళాశాల వైస్ చైర్మన్ రాజ్ సునీల్ ఎదుట మాట్లాడుతున్నారని చెప్పారు. శ్రద్ధ అనుకుంటే ఉద్యోగావకాశాలు సాధ్యమవుతాయని పేర్కొన్నారు.



మాట్లాడుతున్న పీఎంఎస్డీసీ జిల్లా ప్రోగ్రామ్ మేనేజర్ లోకనాథం

ప్రవర్తనలు అందిస్తామని, వీటితో సులభంగా కార్మికమంట్ కళాశాల వైస్ చైర్మన్ రాజ్ సునీల్ ఎదుట మాట్లాడుతున్నారని చెప్పారు. శ్రద్ధ అనుకుంటే ఉద్యోగావకాశాలు సాధ్యమవుతాయని పేర్కొన్నారు.

Sat, 24 November 2018
<http://paper.sakshi.com/c/34262398>



Chief guests **Sri R. Lokanadham**, District Manager, APSSDC and **Sri G. Siva Prasad**, District Coordinator, APSSDC along with **Sri B. C. Nagaraj**, Chairman, **Dr. N. Sunil Raj**, Vice-Chairman, **Sri N. Sagar Raj**, CEO, **Dr. S. Sudhakar Babu**, Principal, staff and students of KEC graced the program. It is another milestone in the history of KEC.

Faculty Achievements

Journal / Conference Publications

S. No.	Faculty Name	Journal / Conference	Title of the Paper	Name of the Journal	Month/ Year	Volume No. & P. No.	ISBN / ISSN No.
1	Dr. G.N. Kodanda Ramaiah, Prof. & Head	Journal	Automated Elephant Entry Prevention for Human and Crop Protection	IJET (Scopus Indexed)	2018	Vol.7(4.6) P.no. 401-409	2227-524X
2	Dr. K. Mahalakshmi, Associate Professor	Journal	An Enhanced Incremental Conductance Algorithm for Photovoltaic System	Electronics Journal (Scopus Indexed)	June 2018	VOL. 22, Issue NO. 1, P.No. 12-18	1450-5843
3	Dr. K. Mahalakshmi, Associate Professor	Journal	Automated Elephant Entry Prevention for Human and Crop Protection	IJET (Scopus Indexed)	2018	Vol.7(4.6) P.no. 401-409	2227-524X
4	Mr. V. Harinath Associate Professor	Journal	Design of Farmer friendly Intelligent System to Monitor & Control the Parameters in Precision Agriculture	IJRTE (Scopus Indexed)	Dec 2018	Vol.7(5)	2277-3878
5	S.Nanda Kishore Associate Professor	Journal	A High Secure data Transmission through Video Files	JARDCS	2018	Vol.10(2)	1943-023X
6	S.Nanda Kishore Associate Professor	Journal	Performance Measurement of Information widng using Polynomial equation	IJPAM	2018	Vol. 119 (7)	1314-3395
7	S.Nanda Kishore Associate Professor	Journal	Automated Elephant Entry Prevention for Human and Crop Protection	IJET (Scopus Indexed)	2018	Vol.7(4.6) P.no. 401-409	2227-524X
8	Santhosh B. Panjagal Associate Professor	Journal	Design of Farmer friendly Intelligent System to Monitor & Control the Parameters in Precision Agriculture	IJRTE (Scopus Indexed)	Dec 2018	Vol.7(5)	2277-3878

Participation in National / International Workshop, FDP & Seminars

S. No.	Faculty Name	Designation	Event	Title of the Event	Date	Venue
1	Dr. D. Jayakumar	Associate Professor	Workshop	Outcome based education	20 th & 21 st April, 2018	R.R.Institute of Management Studies, Bangalore
2	Dr. D. Jayakumar	Associate Professor	Workshop	NPTEL workshop by IIT Madras	12 th Sep, 2018	KEC, Kuppam
3	Dr. D. Jayakumar	Associate Professor	Workshop	Accrediting the unaccredited Institutions in South Eastern Region	1 st Oct, 2018	Dr. B.R. Ambedkar Open University, Hyderabad
4	Dr. D. Jayakumar	Associate Professor	Workshop	Revised NAAC norms & procedures	26 th & 27 th Oct, 2018	Bharathiyar University, Coimbatore
5	Dr. D. Jayakumar	Associate Professor	FDP	Entrepreneurship Development	10 th to 22 nd Dec, 2018	KEC, Kuppam
6	Dr. K. Mahalakshmi	Associate Professor	Awareness Camp sponsored by DST-NIMAT	Entrepreneurship Awareness Camp	8 th , 9 th & 10 th March 2018	KEC, Kuppam
7	Dr. K. Mahalakshmi	Associate Professor	Workshop	NPTEL workshop by IIT Madras	12 th Sep, 2018	KEC, Kuppam
8	Dr. K. Mahalakshmi	Associate Professor	FDP	Entrepreneurship Development	10 th to 22 nd Dec, 2018	KEC, Kuppam
9	Mr. V. Harinath	Associate Professor	Workshop	VTU Thesis & Research Paper Writing using LaTeX	24 th & 25 th Sep, 2018	SDMITUjire, Dharmastala, Karnataka
10	Mr. V. Harinath	Associate Professor	Workshop	Industry Institute Interaction for Indian Innovation	2 nd Nov, 2018	ESCI Campus Hyderabad
11	Mr. V. Harinath	Associate Professor	Workshop	Methodologies & Practices for Profitable Research through Patents & IPR	17 th Dec, 2018	KEC

S. No.	Faculty Name	Designation	Event	Title of the Event	Date	Venue
12	Santhosh B. Panjagal	Associate Professor	FDP	Entrepreneurship Development	10 th to 22 nd Dec, 2018	KEC, Kuppam
13	Santhosh B. Panjagal	Associate Professor	Workshop	VTU Thesis & Research Paper Writing using LaTeX	24 th & 25 th Sep, 2018	SDMIT Ujire, Dharmastala, Karnataka
14	Mr. M.Lakshmipathy	Associate Professor	Workshop	VTU Thesis & Research Paper Writing using LaTeX	24 th & 25 th Sep, 2018	SDMIT Ujire, Dharmastala, Karnataka
15	Mr. T. Sivakumar	Assistant Professor	Workshop	NPTEL workshop by IIT Madras	12 th Sep, 2018	KEC, Kuppam
16	Mr. P. Ajay Kumar Reddy	Assistant Professor	Workshop	Effective Strategies in Research project proposal writing and Linkage finding Agencies	23 rd & 24 th Oct, 2017	Loyola Institute, chennai
17	Ms. J. Narmadha	Assistant Professor	Awareness Camp sponsored by DST-NIMAT	Entrepreneurship Awareness Camp	8 th , 9 th & 10 th March 2018	KEC, Kuppam
18	Ms. J. Narmadha	Assistant Professor	Workshop	NPTEL workshop by IIT Madras	12 th Sep, 2018	KEC, Kuppam
19	Ms. J. Narmadha	Assistant Professor	FDP	Entrepreneurship Development	10 th to 22 nd Dec, 2018	KEC, Kuppam



Students Achievements

Participation in National / International Workshop, Symposium & Seminar

S.No	Student Name	Year & Branch	Event Name	Title of the Event	Date	Venue
1	E. Nandini	II ECE	Workshop	Internet of Things	5 th & 6 th Feb, 2018	SVE, Tirupathi
2	Haritha	II ECE	Workshop	Internet of Things	5 th & 6 th Feb, 2018	SVE, Tirupathi
3	C. Manogna	II ECE	workshop	SYNERGY'18	23 rd -25 th Feb, 2018	VIT, Vellore
4	G. Anusha C. Pranathi	III ECE	Symposium	Techno fest Nano Technology	3 rd March 2018	SVCET, Chittoor
5	C. Manogna	II ECE	Awareness Camp	Entrepreneurship Awareness Camp	8 th , 9 th & 10 th March, 2018	KEC
6	S. Chaitanya sai P. Majnunath	II ECE	workshop	Wrist Control Robotics- UTKRAANTHI-18	15 th march 2018	Wingfotech Pvt. Ltd.
7	K. V. Sanjana S. Rachana	II ECE	Symposium	GMOCS'18	9 th April, 2018	MITS, Madanapalli
8	L.. Aparna M. Bhargavi	III ECE	Symposium	GMOCS'18	9 th April, 2018	MITS, Madanapalli
9	K. Latha	II ECE	workshop	Android	9 th April, 2018	MITS, Madanapalli
10	K. Yatheesha	II ECE	workshop	Android	9 th April, 2018	MITS, Madanapalli
11	P. Vinitha	II ECE	workshop	Android	9 th April, 2018	MITS, Madanapalli

Journal / Conference Publications

S. No	Student Name	Year & Branch	Journal / Conference	Title of the Paper	Name of the Journal/ Conference	Date
1	C. Manogna	II ECE	Conference	Internet of Things Applications, Challenges & Related future technologies	International Conference on Advances in Science, Engineering & Management, 2k18	6 th & 7 th April, 2018
2	A. Pavansree D.Yamuna E.Nandini Haritha	II ECE		Micro Electronic Pill	International Conference on Advances in Science, Engineering & Management, 2k18	6 th & 7 th April, 2018
3	S.Rajkumar M.Saravanakumar M.Ugandhar Reddy	II ECE		Micro Robotics in HIV control	International Conference on Advances in Science, Engineering & Management, 2k18	6 th & 7 th April, 2018
4	S.Chaitanya sai R. Padeep Kumar	II ECE		Wireless Charger	International Conference on Advances in Science, Engineering & Management, 2k18	6 th & 7 th April, 2018

Academic Toppers



S. RenukaDevi
II Year ECE



M. Vasanth Kumar
III Year ECE



M. BinduMadhuri
IV Year ECE

Extra-curricular and Co - curricular activities

Sl. No.	Topic / Event	Name of the Students	Year	Date	Venue	Prize
1	AAVISHKAAR-2K18 a national level project expo	N. ShaziyaBatul K. Nikhil C. Pranathi P. Teja	IV	22 nd Feb 2018	Sri Venkata Perumal College of Engineering and Technology (SVP CET) Puttur.	First
2	Open Innovation Hackathon on "Smart Village-Karnataka"	K. R. Ajith Kumar K. R. Lakshmi Ramya B. Abhishek C. Pranathi	III	12 th - 14 th Mar 2018	New Horizon College of Engineering, Bengaluru	participation

Patents registered by Faculty & Students

Name of the Inventors	Title	Patent No.	Status
R. N. Mohan G. Priyanka Mr. Santhosh B Panjagal Mr. M. Lakshmi pathy Dr. G. NKodanda Ramaiah Mr. S .Nanda Kishor	Smart Garbge Level Monitoring System	201641018458	Registered (2018)
Mr. Santhosh B Panjagal Mr. Ravikarthik Mr. M. Lakshmiramya Mr. V. Harinath	Appliance Failure Detection System	201841045229	Registered (2018)
Mr. J. Yaswanth Mr. R. Sandhya Rani Mr.M. Lakshmi pathy Mr. S.Nandakishor	Compact and Effective Infant Monitoring System by using Embedded Boards	201841009478	Registered (2018)
M. Vasanth Kumar T. Mounika Mr. R. Naresh naik	Low Cost Automatic LPG Cylinder Booking and Leakage Monitoring System	201841009187	Registered (2018)
Dr. G. N. Kodanda Ramaiah, Mr. Santhosh B Panjagal Mr. M. Lakshmi pathy	"Solar Powered Smart Helmet to Avoid Drunk and Drive"	P.No:6985/ CHE/2015	Published (2018)
Dr. K. Mahalakshmi	Control and monitoring of smart cultivation in hydroponic environment	201841028151 A	Published (2018)

Courses offered by the Department

UG Programme: Established in the year 2001 and has intake of 120 students

PG Programme:

- Embedded Systems started in the year 2010 with intake of 18 Students
- VLSI started in the year 2014 with intake of 18 Students

Research centre:

The department has a research center with 4 Ph. D scholars carrying over their research works



Additional Facilities in the Department

- Permanent affiliation to JNTUA for 3 years in the academic year 2017-2018
- Well qualified and dedicated faculties ratified by JNTUA in various fields of specialization
- Laboratories with necessary hardware and software facilities to conduct experiments and also to carryout project works
- 2 industry supported Innovation labs and 2 government supported Skill Development centers
- Department library with more than 300 books on various subjects

Placement

Name of the Company	No. of offers made
SMARTDV TECHNOLOGIES INDIA PVT. LTD., BENGALURU.	2
SUPRALAX ELECTRONICS PVT. LTD., BENGALURU	1
EOS GLOBE PVT. LTD., CHENNAI.	13
GLENWOOD SYSTEMS, CHENNAI	3
IBM, BENGALURU	3
ABC, BANGALORE	3
TRAIANT SOFTWARE SOLUTIONS PVT., LTD.	7
CADD CENTRE, BANGALORE.	4
EMPOWERSYS, BANGALORE	12
ETHNUS, BANGALORE	4

KUPPAM ENGINEERING COLLEGE

(APPROVED BY AICTE,
AFFILIATED TO JNTUA,
CERTIFIED BY ISO 9001: 2008)

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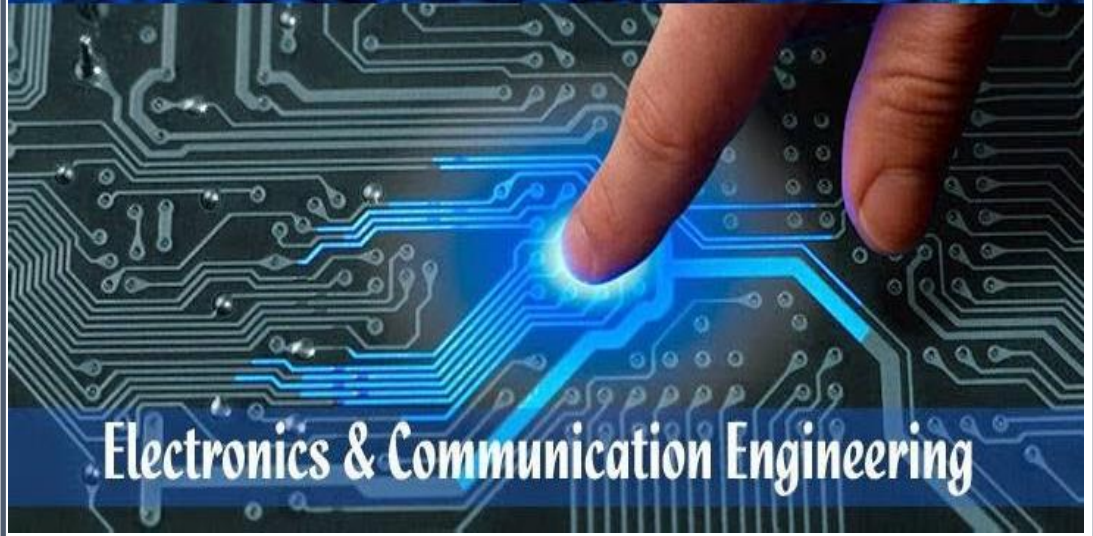
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