TAMASOMA JYOTIRGAMAYA

NEWSLETTER
ESTD. 2021
Department of ECE

ELECTROCOMM-IN-VISION

Department of Electronics and Communication Engineering

Quarterly News Bulletin

January -March 2022

Vision

A resource center of academic excellence for imparting technical education with high pattern of discipline through dedicated staff which shall set global standards, making National and International students technologically superior and ethically strong, who in turn shall improve the quality of life.

Mission

- To provide quality education in the domain of Electronics and Communication Engineering through effective learner centric process.
- To provide industry specific best of breed laboratory facilities beyond curriculum to promote diverse collaborative research for meeting the changing industrial and societal needs.

Quality Policy

- Impart up-to-date knowledge in the students' chosen fields to make them quality engineers.
- Make the students experience the applications on quality equipment and tools.
- Provide quality environment and services to all stakeholders.
- Provide systems, resources and opportunities for continuous improvement.
- Maintain global standards in education, training and services.

Head of the Department

I am elated to present to you the issue 2 of ELECTROCOMM-IN-VISION. This issue is going to be more promising than the last. Our students and faculty have worked endless hours to present this issue. This issue is focused on bringing forth the achievements of our students and faculty. This will bring everyone an up to date information about cutting-edge technologies in the field of Electronics and Communications Engineering. The newsletter also helps students to get to know more about the opportunities related to the department. Hoping that this issue inspires many students to explore more about the department. We will be back with our next issue.

Dr. S. Rajendra Prasad

Department Profile

The Department of ECE was established in 1995 with an intake of 60. Presently, the Department has an intake of 257 students for UG programme and an intake of 18 students for PG programme in VLSI System Design and Embedded Systems respectively. PG program Defense Technology was introduced in the academic year 2020-2021. The department indulges in cutting edge research in the areas of Sensor Networks, Wireless Networks, Wireless Communications, Internet of Things,VLSI, Cognitive Radio, Speech,Video and Biomedical Signal Processing. Department has received three funded research project grants under the TSCOST-DST scheme. One patent is granted and three patents are filed during January to March 2022.

Faculty Updates

T.Jagadish
22ECE001

M.Sujatha
22ECE007

A. Lavanya
15ECE034

P. Anudeep
15ECE067

- **Ms. T. Sujata** and **Mr. Jagadeesh** joined as Skilled Assistants on 05th January 2022.

- **A. Lavanya**, Assistant Professor and **P. Anudeep**, Assistant Professor were relieved from the department.

Awards & Recognitions

- Vardhaman College of Engineering **State Award for Ideal Student of Talent and Excellence from Engineering colleges in TS** for Best ECE Student Award Sponsored by **Vardhaman College of Engineering**, Hyderabad was given to **Sree Dhruti PSS** (16071a0453), **N.Venkata Lakshmi Deepthi** and **K. Rushi Kiran Kumar**.

- Marri Laxman Reddy Institute of Technology **State Award for Best Student Innovator in TS Engineering Colleges** Sponsored by Marri Laxman Reddy Group of Institutions, Hyderabad is given to **Sree Dhruti P S S** (16071a0453), **G.Sanketh** (16071a0420), **B.Manisha** (16071a0408), **L.Rakesh** (16071a0429), **Eswar Chandra Pothineni** (16071a0441).

Education is not preparation for life; education is life itself.
-John Dewey

- **P. Sujith Simha** (18071A04P1) and **Sai Neeraj Varma M** (18071A0430) qualified GATE by scoring rank 1220 under ECE stream, ranked 1583 under EIE stream respectively.

Guest Lectures Delivered

S. No.	Event	Beneficiaries
1	ARM Cortex-M3 Programming by Mr. Mahesh Patil on 6th January 2022.	III B. Tech.
2	The Challenges and Opportunities in Core Industry by Mr.Vivek , Alumni VNRVJIET on 18th March 2022.	IV B.Tech.
3	The role of Communications in Real time Applications by Mr.P.SrinivasaRao, Asst. Prof.,ECE, VNR VJIET on 18th March 2022.	IV B.Tech.
4	Trends in Wireless Communications from 1G to 6G by Ms.K.B.Archana, Sr.Asst Prof., ECE, VNR VJIET on 19th March 2022.	IV B.Tech.
5	The Role of Antenna in Communications by Ms.D.KanthiSudha, Asst Prof., ECE, VNR VJIET on 19th March 2022.	IV B.Tech.
6	Overview of Signal & Image Processing by Dr.Y.Padma Sai, Professor, ECE & Dean Students Progression on 21st March 2022.	IV B.Tech.
7	Concepts of Networking and it's importance by Ms.K.Jyostna, Asst Prof, ECE, VNR VJIET on 22 nd March 2022.	IV B.Tech.

Events Organised

- Two week FDP on **"IoT & Applications (smart systems)"** was jointly organized by **NIT Patna** in collaboration with VNRVJIET Hyderabad from 14th–25th February 2022. The Resource Persons are from **IIT Guwahati, IIT Bhillai, IISc Banglore** and **IIIT Hyderabad**.

The great aim of education is not knowledge but action
-Herbert Spencer

- Organized a meeting on MoU with **M/s Synopsys** under the **Synopsys University Program** on 25th February 2022. Following are the participants: **Dr. Y. PadmaSai**, Professor, **Dr. S. RajendraPrasad**, Professor, **Dr. L. PadmaSree**, Professor, **Dr.V.KrishnaSree**, Associate Professor, **Dr. P.Kishore**, Associate Professor, **Ms. G.Sahitya**, Assistant Professor, **Mr. K.Sarath Chandra**, Assistant Professor, **Mr. K. Naresh**, Assistant Professor, **Mr. Ch. Ganesh**, Assistant Professor & **Ms. K.Swetha Reddy**, Assistant Professor.

- **Mr. D. Ramesh Reddy** coordinated "**Smart India Hackathon**" in addition to faculty coordinators from other departments during 16 -17 March 2022.

Inauguration of Internal Hackathon program SIH-2022

Valedictory function of Internal Smart India Hackathon 2022

- Awareness program for ECE students **"Student Life and Career Options in B. Tech"** was conducted by **Mr. Hari Babu Ande**, Unacademy in webinar mode on 23rd March 2022.

- **HoD** interacted with the parents of students who secured less marks in Mid-1 Exam and also had less attendance on 19th March 2022.

HoD and Faculty interacting with parents

Education is a better safeguard of liberty than a standing army.
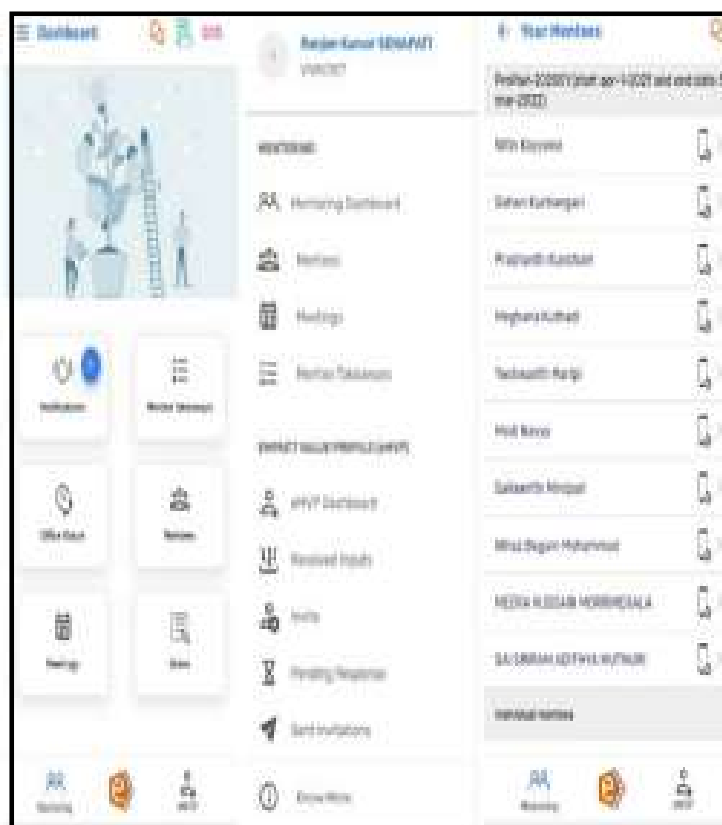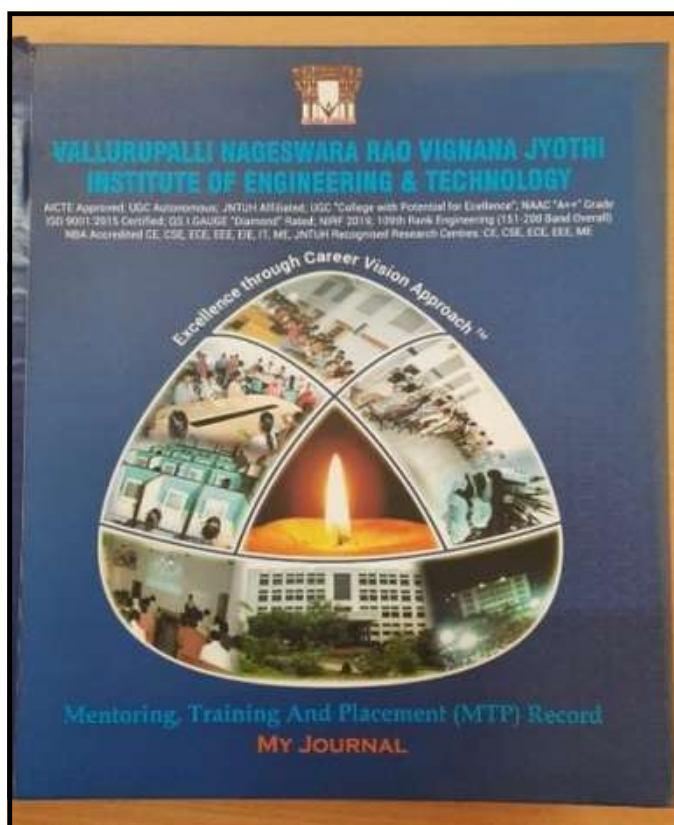
-Edward Everett

Events Attended

- **Dr. Y Padma Sai**, Professor, **Dr. S.Rajendra Prasad**, Professor, **Dr. Ranjan Senapati**, Professor, **Dr. Y.Chalapathi Rao**, Associate Professor, **Dr. M.C. Raju**, Associate Professor, **Ms. K.B. Archana**, Sr.Assistant Professor, **Mr. D.Ramesh Reddy**, Assistant Professor, **Mr. P.Srinivasa Rao**, Assistant Professor, **Dr. D.Santhosh Kumar**, Assistant Professor, **Ms. Alekhya**, Assistant Professor & **Mr. R Ravi Kumar**, Assistant Professor attended interaction with **Dr. Rahul Jashvantbhai Pandya**, Assistant Professor, Department of Electrical Engineering, Indian Institute of Technology, Dharwad on 10th January 2022 to discuss **Collaboration in writing research proposals in 6G wireless communications & ML** and provided internships to VNR students.

- **Ms. T. Sujata** & **Mr. T. Jagadish**, Skilled Assistants attended Development Programme on **"MS Office & CANVA"** by the Department of Computer Science and Engineering, VNRVJIET from11th to 13th January 2022 to have Practical Exposure and Hands-on knowledge for the academic work.

- **Dr. D.Santhosh Kumar**, Assistant Professor attended a webinar on "**Deep Learning for Wireless Communications**" organized by **MathWorks** on 19th January 2022.

- **Dr.Y.PadmaSai**, Professor attended "**MentorHer 2021**" organized by **IEEE Region 10 Women in Engineering committee** on 22nd January 2022.

- Dr.Y.PadmaSai,Professor & Dr.V.Priyanka,Asst.Prof. attended webinar on **"IEEE Volunteering Tools and Annual Reporting Guidelines"** organized by IEEE Region 10 SAC on 29th January 2022.

- **Dr. D. Santhosh Kumar**, Assistant Professor, **Mr. R. Ravi Kumar**, Assistant Professor and **Ms. K.B.Archana**, Sr.Assistant Professor attended a discussion on "**Research topics and different groups across departments**" with **Dr. Rahul Jashvantbhai Pandya** from IIT Dharwad on 20th January 2022.

- **Ms. D. Kanthi Sudha**, Assistant Professor, **Dr. R. Sravanth Kumar**, Assistant Professor & **Mr. R. Ravi Kumar**, Assistant Professor attended a Workshop on **"Design Thinking"** from 2nd to 5th February 2022.

- **Dr. Y. Padma Sai**, Professor, **Ms. N.Dhana Lakshmi**, Associate Professor, **Dr.V. Priyanka**, Assistant Professor, **Ms. D. KanthiSudha**, Assistant Professor & **G.Shanthi**, Assistant Professor attended the talk on "**Walking Through NanoTechnology**" in association with IEEE VNRVJIET WIEAG and IEEE NTC Hyderabad Chapter by **Dr. Santosh Sivasubramani**, Senior IEEE Member, IEEE NTC Hyderabad section Chapter Founding Chair on 9th February 2022.

- Orientation on the **Mentoring app eMpact** for faculty and students by **Mr. Srikanth Nimmagadda**, app designer on Mentoring and its importance and key skills required for mentoring from 14th to 16th March 2022.

- List of ECE faculty mentors for the first-year students.

S. No.	Faculty Name	Section
1	Mr. Naveen Kumar V	ECE-1
2	Dr. R Sravanth kumar	ECE-1
3	Ms. Archana K B	ECE-1
4	Mr. Suresh Babu P	ECE-1
5	Ms. Aruna Kumari K	ECE-1
6	Ms. Ramya G	ECE-2
7	Dr Santosh Kumar D	ECE-2
8	Mr. Ganesh CH	ECE-2
9	Dr. Sagar Reddy V	ECE-2
10	Mr. C.Kaushik	ECE-2
11	Dr. K. Kalyan Srinivas	ECE-2
12	Ms. K Jyostna	ECE-3
13	Mr. A Ramesh Kumar	ECE-3
14	Dr L Padma Sree	ECE-3
15	Mr. J V A Bala Krishna	ECE-3

Education is teaching our children to desire the right things.

-Plato

16	Ms. Helan Satish	ECE-3
17	Mr. R Ravi Kumar	ECE-3
18	Mr. B.B Shabarinath	ECC-4
19	Ms. Y Manasa	ECC-4
20	Dr. Ch. Nagadeepa	ECC-4
21	Mr. D. Ramesh Reddy	ECC-4
22	Mr. PradeepKumar	ECC-4
23	Dr. K. KalyanSrinivas	ECC-4

eMpact App

All the world is a laboratory to the inquiring mind.
-Martin Fisher

- **Dr.Y. Padmasai**, Professor attended the "**9th International Conference on Transformations in Engineering Education organized by IUCEE Foundation**" from 7th to 9th January 2022.
- **Dr.Y Padmasai**, Professor attended a webinar on "**Differences between course-based education and research**" organized by **IEEE Education Society Kerala Section** on 28th January 2022.
- **Dr. V. Krishna Sree**, Associate Professor attended a 2- day online workshop on "**Quality in Engineering Education An outcome-based Education Approach**" from 26th -27th February 2022 under **AICTE Margdarshan Scheme**.
- **Mr. B.B.Shabarinath**, Assistant Professor attended a Two-week program on "**Communication Skills, Modes and Knowledge Dissemination of National Initiative for Technical Teachers Training**" organized by **All India Council for Technical Education** in February 2022.

Training & Placements

Training

S.No	Particulars of the event	Beneficiaries
1	Training Program on "Coding Skills" by Mr.Kaushik, Smart Interviews on 03rd January 2022.	III B. Tech. Students
2	Coding Contest by VNR VJIET's Inter-Department Coding Contest by Turing Hut Team on 30th January 2022	II B. Tech. Students
3	Competitive coding & Problem Solving and Advanced Coding by Smart Interviews, Anusha, Corporate Trainer on 02nd February 2022.	III B. Tech. Students
4	Training Program on Competitive Coding Skills by Smart Interviews from 07th to 26th March 2022.	III B. Tech. Students
5	JSW (Java, SQL, Web) by Tech Learn Solutions from 07th to 26th March 2022.	III B. Tech. Students
6	National Level Coding Contest Turing cup 2022 by Turing Hut, CSI & AICTE under SPICES on 12th to 19th March 2022.	All ECE Students

Intelligence is the ability to adapt to change.
-Stephen Hawkin

Placements

Placement details of B.Tech. 2018-2022 batch up to March 2022		
No. of Students placed	**Highest Package (Lakhs)**	**Average Salary (Lakhs)**
234	44.15	6.89

- Students placed in different companies

M. Rohith
19075A0405

Amazon SDE-44.15 LPA

N. Niharika
19075A0410

Amazon SDE-44.15 LPA

K. Abhishek Sai
18071A04M3

Amazon SDE-44.15 LPA

Satya Raj C
18071A04B5

Amazon SDE-31.57 LPA

A. Sindhu Priya
18071A04C4

Wallmart -23 LPA

C. Siri Chandana
18071A04D2

Qualcomm-22 LPA

Ch. Ramakrishna
18071A04D3

Qualcomm-22 LPA

S. Karthik Rao
18071A04H4

Qualcomm-22 LPA

C. Siri Chandana 18071A04D2

Qualcomm-22 LPA

Development is a series of rebirths. -Maria Montessori

G Amruth Chandra
18071A0417

Wells Fargo-20 LPA

C. Shoukthik Sai
18071A0472

Amazon SE-20.00 LPA

Sai Sharan M
19075A0406

Synopsis-15 LPA

Rupa Sreelekha
18071A0493

Synopsis-15 LPA

G.Samartha Raj
18071A04B4

Synopsis-15 LPA

Janvi U
18071A0480

JPMC-14 LPA

Kovuru Bhavya M
18071A04M9

JPMC-14 LPA

M Prasanna Lakshmi
18071A04N2

JPMC-14 LPA

S Yogapriya Chowdary
18071A04Q2

JPMC-14 LPA

Intelligence plus character-that is the goal of true education
-Martin Luther King Jr

V. Premalatha
18071A04Q8

JPMC-14 LPA

K. Rithik
18071A0483

Workspot-11.6 LPA

Md. Khaja Mohiuddin
18071A0434

NCR Corporation-10 LPA

Bindu Vaishnavi Y
18071A04C9

NCR Corporation-10L

S. Srinivas
18071A04H1

NCR Corporation-10L

B. Shivani
18071A04J7

NCR Corporation-10L

Education is what remains after one has forgotten what one
has learned in school.
-Albert Einstein

Professional Society Activities

- **IEEE** professional society received $1500 USD grant to conduct an international summit on the title "**Women in Engineering Leadership**".
- **IEEE** VNR Vignana Jyothi Institute of Engineering and Technology organized virtual Panel discussion on "**Clearing the air on 5G Interference on Aviation Safety and Impediments in 5G Implementation**" and Inauguration of MTT chapter on 5th February 2022 in association with MTT and SPS IEEE Hyderabad Section. **Ms.K.B.Archana**, Sr. Assistant Professor and **Ms. D. Kanthi Sudha**, Assistant Professor were invited as Moderators for the panel discussion.
- International Women's Day (**IWD**) was celebrated on 8th March 2022 by professional societies in **KS Auditorium** for **girl students** and in **B block seminar hall** for **women faculty and staff members**.

- Students, faculty & staff participated in a **marathon** from **KS Auditorium** to the **main gate** as this year marks **IEEE WIE AG Silver Jubilee year**.
- A virtual talk on "**Status of Gender Equality in India's Higher Education: A Sustainable Perspective for Future**" was organized on the eve of International Women's Day .
- A talk on "**Learn how to secure an admit into India's #1 Management Programme**" by **Mr.Yashwant Pulumati**, Senior Manager Admissions and Financial Aid PGP Co'23 was organized by professional societies on 10th March, 2022 in KS Auditorium.

Research & Development

Patents

- DST's NIDHI iTBI Proposal (TPN No. 65501) applied by **Dr. Y.Padma Sai, Professor**, **Dr. P. Kishore**, Associate Professor and **Mr. K. Ram Mohan Reddy, Assistant Professor** has been shortlisted for the next stage of evaluation on 22nd January 2022.
- Received 1 Lakh rupees sponsorship by Ananth Technologies for **ICMACC 2022** Conference on 15th February 2022.
- **Dr. L. Padma Sree**, Professor is the Principal Investigator and **Ms. N.Dhana Laxmi**, Associate Professor is the Co-Investigator for a research project titled "**Design and Development of Knowledge based expert system to assist farmers for maintenance of Agricultural field using aerial data acquisition**" for an amount of Rs. 4,97,500/- under Telangana State Council of Science & Technology **(TSCOST)-DST** scheme on 22nd March 2022.

Educating the mind without educating the heart is no education at all.

-Aristotle

- Dr. G. Ramesh Chandra, Professor is the Principal Investigator and **Dr. S.Rajendra Prasad,** Professor is the Co-Investigator for a research project titled "**Design and Implementation of a Low-cost System for Real-Time Monitoring of Pollutants from Industrial Outlets in Telangana using IOT**" for an amount of Rs. 4,94,620/- under **TSCOST-DST** scheme.
- **Dr. P. Kishore**, Associate Professor is the Principal Investigator and **Dr.Y. Chalapathi Rao**, Associate Professor is the Co-Investigator for a research project titled "**Development of a prototype for Crowd-sourced policing enabled through demarcation of Police Station boundaries using GeoFencing**" for an amount of Rs. 4,88,620/-under TSCOST-DST scheme.
- **Dr. Y. Chalapathi Rao**, Associate Professor **received** an **Australian Patent** grant titled "**IoT Based Smart Electrical Power Plug**" on 30th March 2022.
- **Dr. Ranjan K Senapati filed a patent** on "**An Algorithm Based on Deep Learning for the Detection of COVID19 Infections-202241000074**" on 2nd January 2022 which is awaiting examination.
- **Dr. Ranjan K Senapati filed a patent** on "**Intelligent caregiver wireless monitor and motion sensor for safe home system applicable for elderly people-202241008796**" on 19th February 2022 which is awaiting examination.
- **Dr.Y. Chalapathi Rao filed a patent** on "**Intelligent Wearable Brain Machine Interface To Assist Paralyzed People-202241011680**" on 3rd March 2022 which is awaiting for examination.

Publications

S.No	Name of the Faculty	Title of the Paper	Name of the Journal/Confer ence
1	Mr. Radha Krishna G, Associate Professor	An Automated Classification System Based on Regional Accent	**Circuits, Systems, and Signal Processing**, on 1st January 2022.
2	Mr. Radha Krishna G, Associate Professor	Foreign Accent Recognition Using a Combination of Native and Non-native Speech	**Intelligent Sustainable Systems, Lecture Notes in Networks and Systems**, 3rd January 2022

Education is the ability to listen to almost anything without
losing your temper or your self-confidence.
-Robert Frost

3	Dr. L. V. R. Rajani Kumari, Assistant Professor	Deep Learning based Smart Mask for Social Distancing	**Lecture notes on Data Engineering and Communication Technologies**, 17th January 2022
4	Dr. L. V. R. Rajani Kumari, Assistant Professor	Dynamic Face Recognition System using Histogram of Oriented Gradients and Deep Neural Network	**Lecture notes on Data Engineering and Communication Technologies**, 17th January 2022
5	Ms. G. Sahitya, Assistant Professor	Review on Various Approaches of Automatic Drip Irrigation Systems for smart Agriculture	**Journal of Electronics and Informatics**, January 2022
6	Dr. Santosh Kumar Choudhary, Assistant Professor	Mitigating the Challenges of Online Learning and Conduct of Examinations - From Faculty Perspective to Student Satisfaction	**Journal of Engineering Education Transformations** , January 2022
7	Mr. Ch. Ganesh, Assistant Professor	Thermal Stability Analysis of Single-Ended 9T-ST Robust SRAM Cell for Near-Threshold Operation	**International Journal of Nanoscience**, I st February 2022
8	Dr. Y. Padma Sai, Professor	A new transfer learning approach to detect cardiac arrhythmia from ECG signals	**Signal,Image and Video Processing** , 18th February 2022
9	Dr. K. Kalyana Srinivas, Assistant Professor	Artificial Intelligence Based Early Detection and Timely Diagnosis of Mental Illness-A Review	**International Mobile and Embedded Technology Conference 2022**, 10th-11th March 2022
10	Dr. Ch. Nagadeepa, Assistant Professor	Artificial Intelligence Based Cervical Cancer Risk Prediction Using ML Algorithms	**IEEE-ESCI 2022**, 11th March 2022

The whole purpose of education is to turn mirrors into windows
-Sydney J. Harris

11	Ms. Helan Satish, Assistant Professor	Reentry in cardiac ventricular epicardial tissue due to SCN5A L812Q gene mutation: a computational study	**Biomedical Physics & Engineering Express,** March 2022
12	Dr. L.Padma Sree, Professor	Dynamic Support Range based Rare Pattern Mining over Data Streams	**International Journal of Advanced Computer Science and Applications**, March 2022
13	Dr. L. V. R. Rajani Kumari, Assistant Professor	Automated sleep apnea classification based on statistical and spectral analysis of electrocardiogram signals	**Indonesian Journal of Electrical Engineering and Computer Science**, March 2022
14	Dr. K Kalyana Srinivas, Assistant Professor	Artificial Intelligencebased Forecasting Techniques for the Covid19 pandemic	2022 Mobile and Embedded Technology Conference (**MECON**), March 2022
15	Dr. K Kalyana Srinivas, Assistant Professor	Benefits of Artificial Intelligence in the Legal System and Law Enforcement	2022 Mobile and Embedded Technology Conference (**MECON**), March 2022
16	Dr. K Kalyana Srinivas, Assistant Professor	Artificial Intelligence based Optimal Biometric Security System Using Palm Veins	2022 Mobile and Embedded Technology Conference (**MECON**), March 2022
17	Dr. K Kalyana Srinivas, Assistant Professor	Artificial Intelligence based Techniques for COVID-19 Vaccinations	2022 Mobile and Embedded Technology Conference (**MECON**), March 2022
18	Dr. K Kalyana Srinivas, Assistant Professor	Artificial Intelligence based Early Detection and Timely Diagnosis of Mental Illness	2022 Mobile and Embedded Technology Conference (**MECON**), March 2022
19	Dr. K Kalyana Srinivas, Assistant Professor	Artificial Intelligence Techniques for Chatbot Applications	2022 Mobile and Embedded Technology Conference (**MECON**), March 2022

Formal education will make you a living; self-education will make you a fortune. -Jim Rohn
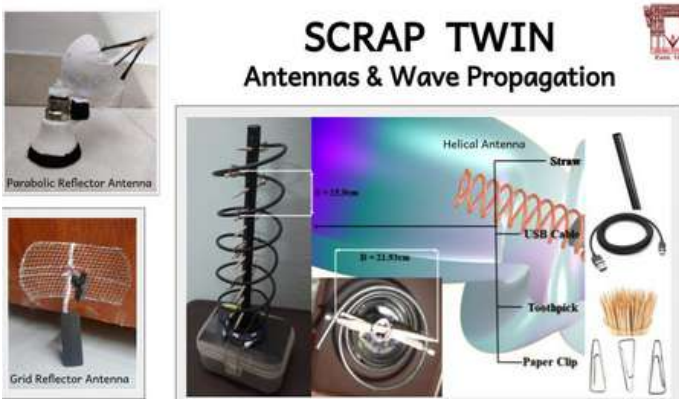
Articles

Remodelling the Education System

Life during the pandemic had brought in unforeseen circumstances which had to be embraced, basically due to lack of choice. Coming from a teaching background, it indeed had been a testing time for me, during the transition period of digital transformation. As a faculty, I was empowered with the infrastructure in terms of technology and had been a creator of content for the delivery of my course through online. But the actual challenge was far greater than I had expected. Retaining student attention, making them involved, enabling them to reciprocate to the questions asked in the class, making the class interactive all these seemed like a major hiccup for me during online teaching, especially conspicuous in the Higher Education system scenario.

As faculty, we derive the energy from students and their reaction to our teaching. It gives me huge satisfaction when I handle a class which is interactive. Staring at a blank screen, where students don't even switch on their videos under the pretext of bandwidth was really disheartening. In this context, it did seem to me that faculty and students are at loggerheads in a thriving online environment. There was a dire need of attitude change needed in my students, to transform from a cohort learning based system to a self paced learning system.

Antennas and Wave propagation was the course dealt by me for third year Electronics & Communication Engineering students and I created this assignment called "Scrap Twin" where I asked my students to design a replica of various types of antennas, from the scrap material they had at home. They also had to work out on the design equations of the chosen antenna, for a particular frequency. I was skeptical about the task assigned but they proved me wrong by giving an overwhelming response.

This experience motivated me to create active learning assignments in courses I teach, for spearheading into the new normal with conviction and self satisfaction. With physical proximity being hindered, the teaching and learning ecosystem has to be built with trust, into the periphery of the online education system. Diversity in a class is like asking them to learn whereas inclusion in a class is making them learn. I chose to include my students in the learning process by empowering them to design and create their own ideas, based on their learnings. I have integrated this into my teaching routine as I know that change is inevitable.

D.Kanthi Sudha,
Assistant Professor

Education is the key to unlock the golden door of freedom.
-George Washington Carver

Education Of Girl Child

The education of girls is a global issue. In many countries, girls are not given the same opportunities as boys to receive education. This can often lead to negative consequences in the future, such as early marriage and childbirth, which in turn leads to further poverty and gender inequality. In order to break this cycle, it is crucial that we start educating girls from a young age. They also need to be given the opportunity for leadership roles within their communities or organizations so that they can learn how to change themselves. Education is one of the most important factors in a girl's life and it is important to provide them with the best. It is a right that every girl should be given the opportunity to learn and grow. The goal of educating girls has historically been to prepare them to become good wives and mothers, though this is changing in many parts of the world, especially in developed countries, where more women are seeking careers outside of the home. How can a girl overcome the barriers to access education??

Girls are still less likely to be enrolled in school, and less likely to graduate from it. They are also more likely to be out of the labor force and experience poverty. The education of girls has been a major issue in developing countries. The problem is that the primary schools are too far away from the villages, and there is not enough money to transport the girls to school. There are many girls who aren't going to school today and this is because of poverty, superstitions and some other restrictions put by the members in their family and society. Many girls can't even raise their voice to fulfill their dreams and goals. But how to solve this kind of issue?

Every girl has a dream to achieve and hopes to fulfill in their life. But due to early marriages, lack of funding, abuse at school, domestic labour, transportation problems and the major and leading reason is they are girls. They are marginalised and ceased from going to school and are discouraged from doing so. Only 49 per cent of countries have achieved gender parity in primary education. At the secondary level, the gap widens: 42 per cent of countries have achieved gender parity in lower secondary education, and 24 per cent in upper secondary education. In 2018,13.5 percent of girls between the ages 15-16 were out of school, as opposed to more than 20 percent in 2008. The United Nations has made it a goal for all children to receive an education by 2030. They have set up programs around the world to help girls get educated. In Pakistan, only one out of five women can read or write which means that the education for girls is very low in this country. In Afghanistan, there are many schools but they do not include any female students which means that these girls have no access to education whatsoever. The situation in India is also not good as it is a developing country. Another shocking fact is that two-thirds of the 796 million illiterates are women. According to the 2011 census, the male literacy rate is 82.14% and the female literacy rate is only 65.46% in India. All these statistics certainly reveal the kind of discrimination that women face in today's world.

<div align="right">

K. Bhavani
20071A04M6

</div>

A well-educated mind will always have more questions than answers.
-Helen Keller

AKANKSHA
19071A0413

Creative Corner

SAI VINEELA
20071A04A8

MEGHANA MAGANTI
20071A04F0

Live as if you will die tomorrow. Learn as if you will live forever.
-Mahatma Gandhi

అనుభూతి

ఒక్కరోజు ఒక్కరోజంటే ఒక్కరోజయినా
ఎవరినయినా ప్రశాంతంగా ఉంచావా?
కనీసం నువ్వైనా ప్రశాంతంగా ఉన్నావా?
శాంతి లేనప్పుడు వచ్చే ప్రశాంతత
నీకక్కర్లేదనుకుంటే ఎదురే చూడొద్దు దానికోసం
అది ఎక్కడో ఉండదు
నీ హృదిలో ఎక్కడో
గూడు కట్టుకుని ఉండే ఉంటుంది
నీతోనే ఉంటుంది కానీ ఆ సంగతి నీకు తెలియక
పరిగెడుతోనే ఉంటావు శాంతి కోసం వెదుకుతూ
 ఇలా ప్రశాంతతని పోగొట్టుకుంటున్నావు
చుట్టుపక్కల వాళ్లకి కూడా
వాళ్లకి లేని కానీ ఉన్నదని చెప్పుకునే
ప్రశాంతతని భగ్నం చేస్తున్నావు

- పోపూరి సురేష్ బాబు
సహాయ ఆచార్యులు

ఒంటరితనం

వయసుతో పాటు తరిగిపోయే అందం కోసం
మంచి మనసున్న స్నేహితుల్ని వదులుకోకు
కాలంతో పాటు కరిగిపోయే ఆస్తుల కోసం
రక్త సంబంధీకుల్ని వదులుకోకు
అశాశ్వతమైన ఆడంబర జీవితం కోసం
జన్మనిచ్చిన తల్లితండ్రులను వదులుకోకు
అలా వదిలేస్తే అన్నీ ఉన్నా నువ్వు ఒంటరివాడివే..
అసలు ఏమీ లేనివాడు కాదు ఒంటరివాడంటే
అన్నీ ఉన్నా మనిషి తనాన్ని వదులుకున్నవాడు
అసలైన ఒంటరివాడు నేస్తం..
అలా అన్నీ వదులుకుని ఒంటరి అయ్యాక
అప్పుడు ఏదో ఒక సాయంత్ర వేళ అనిపిస్తుంది
ఒంటరితనం ఎంత నరకమో
అందుకే ఒంటరిగా ఉండి బాధ పడటం కన్నా
అందరితో కలిసిమెలిసి, కొత్త బంధాలను,
బంధుత్వాలను కలుపుకుని సంతోషంగా ఉండటం మిన్న.

-రాధిక
20071A0475

Anything worth doing well is worth doing poorly at first.
-Ray Congdon

To solve or not to??

Word Search (Find Technical Words)

A	G	B	V	O	L	T	A	G	E	I	V	Q	Z
S	O	E	S	E	P	D	I	G	I	T	A	L	R
I	R	E	L	K	R	E	S	I	S	T	O	R	O
G	O	E	Y	E	W	B	K	A	X	Z	S	J	T
N	T	J	I	A	C	I	R	N	V	R	J	C	I
A	S	T	N	F	Z	T	E	O	D	L	W	U	C
L	I	A	S	R	I	W	R	L	P	Y	M	R	A
W	S	C	N	U	R	L	I	O	B	X	U	R	P
T	N	B	F	V	I	M	P	G	N	W	O	E	A
B	A	H	S	M	A	Q	Z	M	L	I	P	N	C
Y	R	C	I	R	C	U	I	T	A	U	C	T	I
J	T	O	D	P	D	I	O	D	E	H	L	S	Z

Answers to Issue 1 (To solve or not to?):

Across: 2. SCHEMATIC 5. ELECTRONS 6. BATTERY 8. CURRENT 10. RECHARGEABILITY 11. COMPOUND 12. VOLTAGE 15. LARGE 16.NEUTRON
Down: 1. PARALLEL 2. SWITCH 3. INSULATOR 4. AMPERE 7. THERMISTOR 8. COULOMB 9. PROTON 13. ELEMENT 14. AMMETER

Learning is not compulsory. Neither is survival.
-Dr. W. Edwards Deming

ECE, VNRVJIET

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