



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institute, ISO9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade

NBA Accreditation for B.Tech CE, EEE, ME, ECE, CSE, EIE, IT, AE Programmes
Approved By AICTE New Delhi, Affiliated to JNTUH, Hyderabad.
Recognized as "College with Potential for Excellence" by UGC

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ELECTROCOMM-IN-VISION

Department of Electronics and Communication Engineering

Quarterly News Bulletin

April- June 2023

Vision

A resource centre 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.

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Head of the Department



It gives me immense pleasure to extend a warm welcome to the latest edition of our Electronics and Communication Engineering (ECE) department newsletter. As we navigate through the dynamic landscape of technology, communication, and innovation, this newsletter serves as a testament to the vibrant spirit and achievements of our department.

In this issue, you will find a diverse array of articles, research highlights, and updates that showcase the intellectual vigor and collaborative efforts of our faculty members, researchers, and students. From groundbreaking research endeavors to innovative projects, the content presented here reflects the dedication and passion that define our ECE community.

Our department continues to be at the forefront of cutting-edge research, addressing real-world challenges and contributing to advancements in electronic systems, communication technologies, and beyond. The collaborative and interdisciplinary nature of our work underscores the importance of fostering an environment where creativity and innovation flourish.

I would like to express my gratitude to the contributors who have shared their insights, experiences, and accomplishments in this edition. Your contributions play a vital role in fostering a sense of community and shared purpose within our department.

As we reflect on our past achievements and look forward to the future, I am confident that the ECE department will continue to make significant contributions to the field. Through our commitment to excellence, research, and education, we will shape the future of Electronics and Communication Engineering.

I hope you find this newsletter insightful and inspiring. Thank you for your continued support and engagement.

Dr. S. Rajendra Prasad

Happiness is the real sense of fulfillment that comes from hard work.

– Joseph Barbara

Faculty Updates



Mr. T. Chiranjeevi



Mr. T. Aditya Kumar



Mr. P. Srinivasa Rao



Dr. Ch. Naga Deepa

- **Mr. T. Chiranjeevi** joined the department as Assistant Professor on 10th April 2023.
- **Mr. T. Aditya Kumar** joined the department as Assistant Professor on 1st May 2023.
- **Mr. P. Srinivasa Rao**, Assistant Professor was relieved from the department on 12th June 2023.
- **Dr. Ch. Naga Deepa**, Assistant Professor was relieved from the department on 26th June 2023 and is currently working as Corporate Trainer for Embedded Software, Moschip Institute of Silicon Systems, Hyderabad.

Whizz-kids

Section Wise Class Toppers (2022-23)

IV B. Tech., I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	K. Aishwarya	19071A0401	9.48
	P.U. Siddhesh	19071A0448	9.35
	T. Swathi	19071A0455	9.31
ECE-B	A. Jayanth	19071A0461	9.7
	S. Sai Charan V. Sai Sowjanya	19071A04B4 19071A04B7	9.35
	S. John Timothy	19071A04B1	9.27

Class	Student Name	Roll Number	SGPA
ECE-C	S Sai Pravallika	19071A04G8	9.74
	K. Sohila	19071A04E0	9.57
	M. Bhavana	19071A04E8	9.4
ECE-D	P. Pavithra	19071A04N8	9.83
	K. Raj Kumar	20075A0421	9.48
	P. Bhavya Reddy	19071A04N7	9.22

I didn't get there by wishing for it or hoping for it, but
by working for it.

Whizz-kids

Section Wise Class Toppers (2022-23)

IV B. Tech., II Semester

Class	Student Name	Roll Number	SGPA
ECE-A	Y. Varshitha	19071A0459	9.8
	K. Gnaneshwar P. Madhuri	19071A0420 19071A0441	9.6
	G. Dimple Sai	19071A0414	9.4
ECE-B	G. Kavya Reddy	19071A0481	10
	S. John Timothy	19071A04B1	9.8
	A. Jayanth G. Meghana M. Sai Varsha S. Sai Charan K. Nainika	19071A0461 19071A0479 19071A0494 19071A04B4 20075A0411	9.6

Class	Student Name	Roll Number	SGPA
ECE-C	K. Divya K. Sohila K. Rishitha M. Bhavana S Sai Pravallika S Surabhi	19071A04D8 19071A04E0 19071A04E3 19071A04E8 19071A04G8 19071A04G9	9.8
	M. Khyathi Sai Bharathi P. Tanusree	19071A04E7 19071A04G3	9.6
	K. Sivaditya T. Dhanuja	19071A04D9 20075A0418	9.4
ECE-D	D Ramya Sai V. Ricky Deeven C. Vani	19071A04J7 19071A04P4 20075A0420	9.6
	S. Sneha R. Sai Pranay	19071A04Q1 19071A04P2	9.4
	B. Sathwik Vamshi D. Sri Likhitha N. Divya K. Jagruti SK. Sajida G. Surya Harshini U. Vidya Sivani	19071A04J4 19071A04J8 19071A04K0 19071A04K5 19071A04P6 19071A04Q4 19071A04Q7	9.2

Whizz-kids

Section Wise Class Toppers (2022-23)

III B. Tech., I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	G K Keerthana E. Sai Praneeth	2007IA0419 2007IA0417	9.17
	A. Hrushitha	2007IA0405	9.08
	B. Bhavani	207IA0410	9.05
ECE-B	SK. Rizwana	2007IA04B0	9.67
	A. Ramya	2007IA0463	9.39
	V.Anirudh	2007IA04B9	9.34
ECE-C	N. Harika	2007IA04F9	9.08
	N S Abin Beni	2007IA04F7	9.05
	K. Pravallika	2007IA04E4	9.00

Class	Student Name	Roll Number	SGPA
ECE-D	A. Dhanalaxmi	2007IA04J6	9.22
	G. Samanidhar G. Vishnuvardhan	2007IA04M1 2007IA04K8	9.15
	A. Sruthi	2007IA04J3	8.96

Whizz-kids

Section Wise Class Toppers (2022-23)

II B. Tech., I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	M. Pranitha	21071A0446	9.8
	A. Pranathi	22075A0401	9.58
	E. Sri Varsha E. Harika	21071A0416 22075A0402	9.5 9.5
ECE-B	T. Adithya Phani	21071A0490	9.48
	A. Sai Jothsna Sri Paramjoth Singh	21071A0466 21071A04B1	9.4 9.4
	U. Vaibhava	21071A04C7	9.23
ECE-C	K. Jayaram	21071A04G0	9.85
	M. Tejaswi	21071A04G6	9.78
	C.M. Tithi	21071A04J7	9.55

Class	Student Name	Roll Number	SGPA
ECE-D	G. Bhuvana Rishitha	21071A04No	9.85
	G. Srikar Sharma	21071A04N2	9.63
	M. Sreya	21071A04Q3	9.58

Talent is given by God but you should respect it by
doing good work.”

– Johnny Lever

Whizz-kids

Section Wise Class Toppers (2022-23)

I B. Tech., I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	D. Nandini K. Chaya Vaishnavi	22071A0417 22071A0427	9.6
	P. Srinidhi	22071A0438	9.5
	K. Abhinav V. Chaitanya	22071A0401 22071A0414	9.45
ECE-B	K. Geetanjali M. Rishitha	22071A0494 22071A04A1	9.6
	M. Sai Pavan N. Venkata Shiva Bindu P. Akshitha	22071A0498 22071A04A6 22071A04A8	9.5
	N. Srihitha	22071A04A4	9.4

Class	Student Name	Roll Number	SGPA
ECE-C	G. Harshitha P. Sriya	22071A04E1 22071A04J3	9.75
	G. Pranav Naga Sai	22071A04E0	9.65
	D. Ashwanth R. Prawallika	22071A04D8 22071A04H7	9.6
ECE-D	K. Manoj N. Akshith	22071A04P1 22071A04Q3	9.5
	B. Lohitha	22071A04M0	9.45
	S. Eswara Akash Kumar	22071A04R8	9.35

Talent is nothing without dedication and discipline, and dedication and discipline is a talent in itself.

– Luke Campbell

Awards & Recognitions

Faculty

- **Dr. Y. Padma Sai**, Professor & Dean Student Progression is selected as an Honorable Mention of the **2023 IEEE WIE inspiring Member of the Year Award** by WIEC.



- **Dr. Y. Padma Sai**, Professor & Dean Student Progression received **IETE Annual Award (R S Khandpur Award) 2023**.

R S Khandpur Award 2023 received by Dr. Y. Padma Sai



- **Mr. E. Vijay Babu** acted as a Reviewer for **Elsevier - Measurement: Sensors**, April 2023

- **Ms. K. Aruna Kumari**, Assistant Professor, **Dr. D. Kanthi Sudha**, Assistant Professor, **Dr. G. Shanthi**, Assistant Professor & **Ms. Ch. Raja Kumari**, Assistant Professor **Reviewed** papers for 2nd International Conference on Advances in Signal Processing & Communication Engineering (**ICASPACE-2023**) organized by Department of ECE, Mahatma Gandhi Institute of Technology(A), Hyderabad on 28th & 29th April 2023.



Doing the best at this moment puts you in the best place for the next moment.” – Oprah Winfrey



- **Dr. V. Priyanka**, Assistant Professor acted as a **Reviewer** for IEEE International Conference on Applied Intelligence and Sustainable Computing (**ICAISC-2023**) organized by Shri Dharmasthala Manjunatheshwara College of Engineering and Technology, Dharwad from 16th and 17th June 2023.

- **Ms. M. Haritha**, Assistant Professor acted as **Reviewer** for **Wiley International Journal of Adaptive Control and Signal Processing**, June 2023



- **Dr. T. Srinivas**, Assistant Professor acted as a **Reviewer** for 6th International Conference on Soft computing and Signal Processing (**ICSECP-2023**), Malla Reddy College of Engineering and Technology, Hyderabad, 23rd & 24th June 2023.



- **Dr. S. Rajendra Prasad**, Professor & Head acted as a member of Board of Studies (**BOS**) to review the R20 syllabus of I, II, III and IV B.Tech. CSE (Data Science) & CSE (Artificial Intelligence) Programme course structures and detailed syllabi of M.Tech. R23 Regulations, **Annamacharya Institute of Technology & Sciences**, Rajampet on 28th June 2023.

The three great essentials to achieve anything worthwhile are Hard work, stick-to-itiveness, and common sense.

- Thomas Edison

Awards & Recognitions

Students

- **G. Samanidhar** (2007IA04M1), **E. Hansika** (2007IA04K7), **A. Dhanalaxmi** (2007IA04J6), **B. Sharath Kumar** (2007IA04J7) presented their work in **6th Edition Techgium** conducted by **L & T** on 04th April 2023 and attended the final round at Mysore on 02nd May 2023.



Team WhipSmart at LTT Mysuru Campus



Students with Dr. B.K. Das, Director General, DRDO



Students after presenting project at Techgium 6th Edition

- **E. Venugopal** (2107IA04E6), **G. Varshini** (2107IA04F1), **K. Jayaram** (2107IA04GO), **I. Sushmanth** (2107IA04N3) and **K.Srikar** (2107IA04Po) received an award from **Mr. A. Ramana**, a resource person of MathWorks as a winner of the MathWorks OTS Challenge on 25th April 2023.



Discussion after the MathWorks OTS Challenge

- **Telugu Sahithivanam** grabbed 1st and 2nd Prize in the Telugu Sahithi Samithi events in the fest Kuruksastra 2k23 by Sastra University, Thanjavur.

Event name: Pataku Pranam Pallavi Ayithe

Date: 29 April 2023

Position: Winner

1. G Kavya Sree - 2007IA0474

3. N N S L Asritha - 2007IA0441

Event name: Oke Okka Chance

Date: 30 April 2023

Position: Runner

1. G Kavya Sree - 2007IA0474



The three great essentials to achieve anything worthwhile are Hard work, stick-to-itiveness, and common sense.

– Thomas Edison

- Crescendo stood runner up in the Battle of bands in **Technosmania' 23** organized by **University College of Technology, Osmania University** on 26th April 2023. **N. Geetha Charmi** (2207IA04G8) is a member of it.



Crescendo receiving prize in Technosmania' 23



Crescendo stood as Winners in Cultural Fest Spandana-2023

- **B. Vidyananda Sagar** (1907IA0473), **M. Yeshwanth** (2007IA04N5), **V. Harshith Kumar** (2107IA04K3), **P. Sravya Geethika** (2107IA04Bo) and **N. Geetha Charmi** (2207IA04G8) members of Crescendo stood as **Winners** in the battle of bands conducted by **Institute of Aeronautical Engineering** as a part of their Cultural Fest **Spandana-2023** on 27 thApril 2023.

- **B. Vidyananda Sagar** (1907IA0473), **M. Yeshwanth** (2007IA04N5), **P. Sravya Geethika** (2107IA04Bo), **V. Harshith Kumar** (2107IA04K3), **N. Geetha Charmi** (2207IA04G8) members of Crescendo stood as **Winners** in the battle of bands conducted by Mahatma Gandhi Institute of Technology (**MGIT**) as a part of their Cultural Fest **Nirvana'23** on 29thApril 2023.



Crescendo in Cultural Fest Nirvana'23

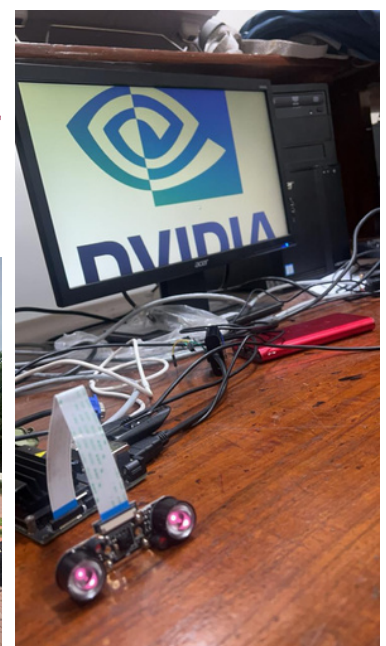
- **G. Samanidhar** (2007IA04MI), **Sathvik K** (2107IA0499) and **M. Pranav** (2107IA04A6) got selected for an internship under the guidance of **Dr. K. Prakash** , Assistant Professor, ECE at **National Institute of Technology (NIT) Warangal** from 26th June 2023 - 9th Aug 2023.



Students at NIT Warangal



National Institute of Technology (NIT) Warangal



Summer Internship work on Jetson Nano and IR Camera

If your teacher, coach, or mentor believes you can do something,
you're more likely to do it.

— Gwen Moran, FastCompany

Events Organized

- Interaction on “**Publications and Funded Projects**” by **Dr. B. Bhattacharya**, Former, Professor & Vice Chancellor, ICFAI and Fellow IEEE, Hyderabad on 11th April 2023 with the faculty of the VLSI Special Interest Group (SIG).



Interaction with Dr. B. K. Bhattacharya



Interactive session with Dr. J. Chattopadhyay

- Interactive session regarding “**Smart Campus Hackathon**” by **Dr. J. Chattopadhyay**, former Director DRDO and Adjunct faculty on 12th April 2023, which is to be held on 28th & 29th April 2023 with IoT club students.
- Interaction on **Latest Research and Development activities** in the Signal Processing domain” and collaboration for joint proposals/papers/patents by **Dr. V. Anil Kumar**, Associate Professor, IIIT Hyderabad on 19th April 2023 with the faculty of the Signal Processing Special Interest Group (SIG).



Dr. V. Anil Kumar giving a guest lecture



Visit of ISO inspection committee

- **ISO surveilance Inspection Committee** visited the department on 20th April 2023.
- Guest Lecture on “**IOT Technologies and Future**” by **Mr. M. Suresh Kumar**, Business Development & Sales Director L&T Technology Services (L&T Group) on 29th April 2023 for III B.Tech. and I M.Tech. students.



Mr. M. Suresh Kumar delivering a guest lecture

If you care about what you do and work hard at it, there isn't
anything you can't do if you want to.



Mr.Naresh.K discussing with VLSI faculty members



Dr. S. Rajendra Prasad (NSU) interacting with faculty members

- **Dr. S. Rajendra Prasad**, Lecturer at the National University of Singapore (**NUS**) discussed various research problems with respect to causal AI in different areas like Communication, Time Series Analysis etc. on 12th May 2023.
- **Mr. K. Naresh**, Senior Manager, HAL interacted with faculty regarding the consulting projects on 12th May 2023 with faculty members of VLSI.



Interaction by Mr. Sai Ravi Teja P with faculty members



Interaction by Dr.Amit Pratap with Signal Processing SIG faculty

- Interactive session regarding the “**Project proposal and collaboration in the field of space and satellite related research**” by **Mr. P. Sai Ravi Teja** , Avionics System Engineer, Skyroot Aerospace on 13th May 2023 with faculty members. Also discussed about the possibility of internships for students.
- Interactive session regarding the “**Consultancy projects offered by Chess, DRDO, Hyderabad, Product-Oriented research projects and awareness on marketing of the product**” by **Dr. Amit Pratap**, Scientist ‘F’, DRDO (Chess) on 16th May 2023 with Signal Processing SIG faculty. Also discussed the possibility of collaborative work and a chance to visit DRDO labs.
- Training session on “**Introduction of Roboguide and Roboguide Program**” by **Dr. Y. Padma Sai**, Professor & Dean Student Progression for path creation on 17th May 2023 and training session on “Different Types of Robots and their Functions” on 26th May 2023 for students.

Events Attended

- **Dr. S. Rajendra Prasad**, Professor & Head, **Mr. A. Ramesh Kumar**, Associate Professor, **Dr. P. Kishore**, Associate Professor, **Dr. J.L.V. Ramana Kumari**, Assistant Professor, **Ms.L.Dharma Teja**, Asstistant Professor, **Dr. G.Shanthi**, Assistant Professor, **Dr. V .Sagar**, Assistant Professor, **Dr. A. Sai Kumar**, Assistant Professor visited HAL, Hyderabad for **Project Expo** on 06th April 2023.



VLSI faculty visited project expo at HAL

- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. P. Kishore**, Associate Professor & **Dr. G. Vijaya Kumar**, Assistant Professor visited **Ananth Technologies , Ananth Infopark, Phase-II Hitech City, Madhapur, Hyderabad** to discuss about consultancy project. The team met **Mr. Sateesh Dawan** in Ananth Technologies to understand the project specifications and other technical detail on 15th April 2023.
- **Dr. Y. Padma Sai**, Professor & Dean Student Progression and **Dr. V. Priyanka**, Assistant Professor attended “The First India Council day” celebration on 17th April 2023.
- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. P. Kishore**, Associate Professor, **Mr. D. Ramesh Reddy**, Assistant Professor & **Mr. J.V.A. Bala Krishna**, Assistant Professor visited Keerthi Industries and seen the facilities used for manufacturing of PCBs for different applications and machineries used for PCB printing on 18th April 2023.



Faculty visit to Keerthi Industries

- **Dr. S. Rajendra Prasad**, Professor & Head, **Ms. K. Deepthi**, Asstistant Professor, **Dr. D. Santhosh Kumar**, Asstistant Professor, **Ms. G. Ramya**, Asstistant Professor, **Ms. M. Rama Devi**, Asstistant Professor & **Ms. Y. Manasa**, Asstistant Professor attended online webinar on “**5G Course and establishment of usecase labs in Engineering Institutions**” on 19th April 2023.
- **Dr. D. Kanthi Sudha** and **Dr. K. Kalyan Srinivas** visited GAETEC (**Gallium Arsenide Enabling Technology Centre**) DRDO lab in Vignyana Kancha Post, Hyderabad on 20th April 2023 for testing of the Radio Frequency (RF) trainer kit.
- **Dr. K. B. Archana**, Sr. Assistant Professor, **Dr. D. Santhosh Kumar**, Assistant Professor, **Mr. R. Ravi Kumar**, Asstistant Professor attended “**Keysight Wireless Technology Summit Hyderabad**” on 04th May 2023.
- **Dr. Ranjan Kumar S**, Professor attended a two weeks online FDP on “**AI and Deep Learning & Computer Vision with Python**” conducted by EduXLab in association with IIT Madras, during 8th May to 23rd may 2023.

- **Dr. Y. Padma Sai**, Professor & Dean Student Progression attended webinar on "**Disruptive Technology in Engineering and Medical Science**" by **Dr. Surendra Pal** organised by LMAG IEEE India Council & Bangalore Section on 12th May 2023.
- **Mr. D. Ramesh Reddy**, Assistant Professor and **Dr. Ch. Anil Kumar**, Assistant Professor attend the "**3D Computer Vision Summer School (3DVSS 2023)**" at IIIT Hyderabad from 15th to 20th May 2023.
- **Dr. K. B. Archana**, Sr. Assistant Professor, **Dr. G. Shanthi**, Assistant Professor, **Dr. D. Santhosh Kumar**, Assistant Professor, **Dr. Santosh Kumar Choudary**, Assistant Professor & **Dr. A. SaiKumar**, Assistant Professor attended Workshop on "**How to write a research proposal for DST Seed division schemes**" by Dr. K. Gopi Krishna, Scientist-E, Seed division, DST on 20th May 2023.
- **Dr. L. Padma Sree**, Professor, **Mr. A. Ramesh Kumar**, Associate Professor and **Dr. S. Rajendra Prasad**, Professor & Head, and **Dr. J. Chattopadhyay**, former Director DRDO & Adjunct faculty visited HAL, Hyderabad for a discussion on **HAL projects** on 23rd May 2023.
- **Dr. Y. Padma Sai**, Professor & Dean Student Progression attended a webinar on "**Latest trends in Electronic warfare and Radar system (focus on Drone and UAV applications)**" by Sri K. Srinivasa Raju, CEO of Unistring Tech Solutions organized by IETE, Hyderabad on 28th May 2023.
- **Dr. Y. Padma Sai**, Professor & Dean Student Progression attended **Telangana State IUCEE TLC meeting** on 29th May 2023.
- **Ms. Ch. Raja Kumari**, Assistant Professor attended online STC on "**Biosignals Communication and Applications**" organised by NIT, Jalandhar from 12th to 16th June 2023.
- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. Ranjan Kumar Senapati**, Professor, **Dr. Y. Chalapathi Rao**, Associate Professor & **Dr. Ch. Anil Kumar**, Assistant Professor visited DRDO-RCI-Advanced System (ASL) for a discussion on Research Proposal in the topic "**Operator Authenticating System through Face**" with **Dr.L.Parida**, ASL Director SF-Galons with the team on 15th June 2023.
- **Dr. S. Rajendra Prasad**, Professor & Head and **Dr. P. Kishore**, Associate Professor visited Ananth Technologies Limited for a discussion on **consultancy project** on 22th June 2023.
- **Dr. K. B. Archana**, Sr. Assistant Professor and **Ms. G.Ramya**, Assistant Professor attended online Workshop on "**Introduction to 5G - Is it required for India?**" organized by NPTEL + workshop on 13th May 2023.
- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. P. Kishore**, Associate Professor & **Dr. G. Vijaya Kumar**, Assistant Professor and four II B.Tech., students visited CHES-DRDO for discussion with the senior scientists **Dr. Amit Pratap**, **Mr. Srikanth Reddy** and **Dr. Datta** and explored various undergoing projects and challenges faced by CHES on 27th June 2023.
- **Dr. Y. Padma Sai**, Professor & Dean Student Progression attended Webinar on "**Promoting Diversity & Inclusion in Climate Change & Sustainability**" on 28th June 2023.
- **Dr. K. B. Archana**, Sr. Assistant Professor attended "**Presencing Foundation Program**" in Berlin Germany from 26th June to 30th June 2023.
- **Ms. K.Deepthi**, Assistant Professor, **Ms. G. Ramya**, Assistant Professor and **Ms. Manasa Y**, Assistant Professor attended FDP on "**MIMO Antennas for 5G Communications**" organized by Department of ECE and IETE chapter of Kallam Haranadha Reddy Institute of Technology, Guntur from 26th to 30th June 2023.

To succeed, work hard, never give up and above all, cherish a magnificent obsession.

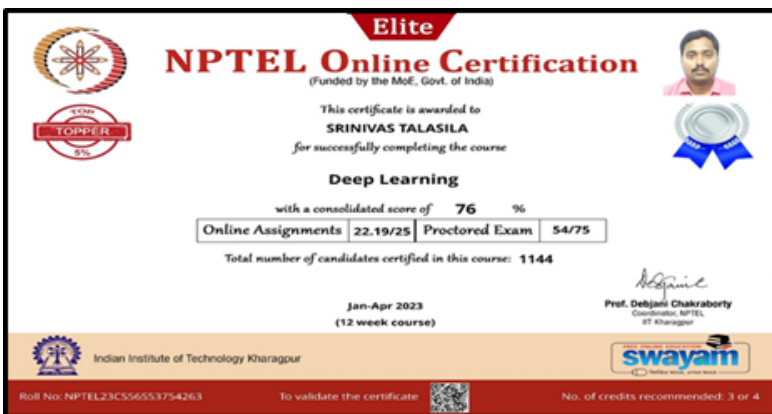
– Walt Disney

Online Certifications

Faculty

Number of Courses	Number of NPTEL Courses	Other Courses	Number of Faculty	Elite + Top5%	Elite+Silver + Top 5%	Successfully Completed: 13
19	17	2	15	I	I	I

- **Ms. N.Neelima**, Assistant Professor has successfully Completed and stood as topper 5% of NPTEL course the Course on “**Introduction to Machine Learning**” during Jan-April 2023.
- **Mr. T.Srinivas**, Assistant Professor has successfully Completed and stood as topper 5% of NPTEL course the Course on “**Deep Learning**” during Jan-April 2023.



- **Mr. B. B. Shabarinath**, Assistant Professor has successfully completed and received a passing grade in “**PYO101EN: Python Basics for Data Science**” a course of study offered by IBM, an online learning initiative of IBM on 24th May 2023.
- **Mr. J. V. A. Bala Krishna**, Assistant Professor has successfully Completed the Course on “**AI on the go with Jetson Nano**” organised by Cisco thingQbator program on 15th June 2023.



There is no magic to achievement. It's really about hard work, choices, and persistence.

– Michelle Obama

List of faculty who successfully completed NPTEL courses

S.No.	Name	Course Name
1	Dr. V. Krishnasree	Introduction to Machine Learning
2	Dr . V. Krishnasree	The Joy of Computing using Python
3	Mr. A. Ramesh Kumar	Introduction To Industry 4.0 And Industrial Internet Of Things
4	Dr. Archana K B	Design, Technology and Innovation
5	Dr. D. Kanthi Sudha	Introduction To Internet Of Things
6	Dr. G.Vijaya Kumar	Python for Data Science
7	Dr. G. Vijaya Kumar	Problem Solving Through Programming In C
8	Mr. J V A. Balakrishna	The Joy of Computing using Python
9	Dr. Y. Chalapathi Rao	Problem Solving Through Programming In C
10	Dr . D. Santhosh Kumar	Introduction To Industry 4.0 And Industrial Internet Of Things
11	Ms. N. Neelima	The Joy of Computing using Python
12	Dr. A. Sai Kumar	The Joy of Computing using Python

Talent means nothing, while experience, acquired in humility and with hard work, means everything

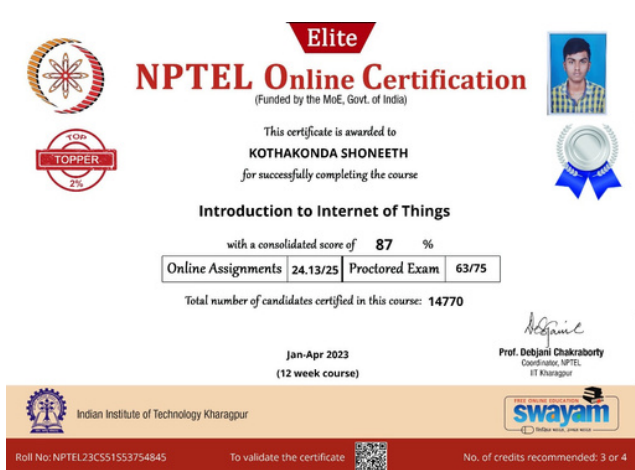
- Patrick Suskind

13	Dr. G. Shanthi	Introduction To Industry 4.0 And Industrial Internet Of Things
14	Dr. A. Sai Kumar	Introduction to Machine Learning
15	Ms. N. Neelima	Introduction to Machine Learning
16	Mr. T. Srinivas	Deep Learning
17	Ms. A. Pravallika	Introduction To Internet Of Things
18	Ms. A. Sireesha	Data Science for Engineers

Students

Number of Courses	Number of Students	Elite	Elite + Silver : 13	Elite+Silver + Top 2% : 02	Successfully Completed: 13
15	49	21	13	2	13

- **K. Shoneeth** (20071a0480), has successfully Completed the Course on “**Introduction to Internet of Things**” and stood as topper 2% of NPTEL course during Jan-April 2023 .



- **K. Gautham Kumar** (20071a0480), has successfully Completed the Course on “**Data Base Management System**” and stood as topper 2% of NPTEL course during Jan-April 2023 .

If you really look closely, most overnight successes took a long time.

– Steve Jobs

List of studen who successfully completed NPTEL courses

S.No.	Name	Course Name	Course Name
1	M. Rakesh	19071AO432	Data Base Management System
2	C. Prathyusha	20075AO409	Introduction To Internet Of Things
3	M. Pranavi	20075AO412	Introduction To Internet Of Things
4	C. Gopichand	20071AO412	CMOS Digital VLSI Design
5	E. Saipraneeth	20071AO417	Data Base Management System
6	I. Venkata Shashank Varma	21071AO418	Analog Circuits
7	G. Sainath	20071AO421	CMOS Digital VLSI Design
8	J. Abhinay	20071AO427	Introduction to Machine Learning
9	K. Gautham Kumar	20071AO436	Data Base Management System
10	N N S L Asritha	20071AO441	Data Science for Engineers
11	P Hanish Goud	21071AO442	Analog Circuits
12	P. Harshitha	20071AO443	Data Base Management System
13	P. Sahithi	20071AO444	Data Base Management System

Talent means nothing, while experience, acquired in humility and with hard work, means everything – Patrick Suskind

S.No.	Name	Course Name	Course Name
14	Shaik Mehtab	21071A0450	Analog Circuits
15	S. Venkata Satya Siva	20071A0451	Data Science for Engineers
16	V. Sathwik Chandra	20071A0459	Python for Data Science
17	A. Ramya	20071A0463	CMOS Digital VLSI Design
18	D. Prudhvi Raju	20071A0470	Programming In Java
19	G. Kavya Sree	20071A0474	CMOS Digital VLSI Design
20	K. Shoneeth	20071a0480	Introduction To Internet Of Things
21	N.Surendranath Reddy	20071A0495	CMOS Digital VLSI Design
22	V. Satya Vinay	20071A04B3	Programming In Java
23	V. Anirudh Rao	20071A04B9	CMOS Digital VLSI Design
24	D.Harini	20071A04D0	Programming In Java
25	D. Keerthi Chandrika	20071A04D1	Programming, Data Structures And Algorithms Using Python
26	G. Srustitha	20071a04D5	Data Analytics with Python

Success isn't always about greatness. It's about consistency.

Consistent hard work leads to success. Greatness will come.

- Dwayne "the Rock" Johnson

S.No.	Name	Course Name	Course Name
27	K. Swetha	20071A04E5	Programming, Data Structures And Algorithms Using Python
28	T. Lohita	20071A04H3	CMOS Digital VLSI Design
29	A. Harshavardhan Reddy	20071A04J1	Programming In Java
30	A. Dhanalaxmi	20071A04J6	Cloud Computing
31	G. Samanidhar Reddy	20071A04M1	Cloud Computing
32	SK. Nizamuddin	20071A04P8	Programming, Data Structures And Algorithms Using Python
33	V. Thanvitha	20071A04Q5	CMOS Digital VLSI Design
34	N. Ashwini	21075A0402	CMOS Digital VLSI Design
35	V. Sridhar	21075A0405	CMOS Digital VLSI Design
36	B. Deepak Goud	21075A0407	Programming, Data Structures And Algorithms Using Python
37	B. Harshad Kumar	21075A0408	CMOS Digital VLSI Design

If you really look closely, most overnight successes took a long time.

– Steve Jobs

S.No.	Name	Course Name	Course Name
38	D. Shashank	21075A0409	Data Base Management System
39	B. Akash	21075A0413	CMOS Digital VLSI Design
40	S. Nikitha	21075A0417	Evolution Of Air Interface Towards 5G
41	S. Swetha	21075A0418	Data Analytics with Python
42	D. Supriya	21071A0411	Analog Circuits
43	K Suman	20071A0430	Deep Learning
44	B. Sharath Kumar	20071A0430	Cloud Computing
44	G. Shanmuka Sai Praneeth	21071A0452	Analog Circuits
45	M. Pranav Reddy	21071A04A6	Applied Statistics and Econometrics
46	Y. Varshitha	19071A0459	Cloud Computing
47	G. Srikar Sharma	21071A04N2	Programming In Java
48	T. Ranganadh	21071A04T3	Programming In Java
49	Sreyas	21071A04G7	Digital IC Design

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Training, Internships and Placements

Training

- II Year and III Year B.Tech. students were trained in Coding skills, Python Programming and Robotics.

S.No	Particulars of the event	Beneficiaries
1	Training awareness program on "Competitive coding skills" by Mr. Sandeep, Being Zero on 11th April 2023.	II B.Tech. ECE Students
2	Training Program on "Coding Skills" by Smart Interview teams on 21st April 2023.	III B.Tech. ECE Students
3	Training Session on "Python Programming" by Mr. P. Anudeep, Freelancer organized by IEEE VNRVJIET Student Branch and Dr. Nivideta, Corporate Trainer, Freelancer on 14th, 16th, 22nd, 23rd and 30th April 2023.	B.Tech. ECE Students
4	Session on "Robotics" by Dr. Y. Chalapathi Rao, Associate Professor, Mr. B.B.Shabarinath, Assistant Professor and Mr. D. Ramesh Reddy, Assistant Professor from 26th to 29th April 2023.	B.Tech. ECE Students
5	Hacakthon on "Smart Campus Problem Statements" on 28th to 29th of April 2023.	B.Tech. ECE Students

Internships

S.No.	Roll Number	Name of the Student	Year & Section	Name of the company providing Internship	Duration
1	20071AO465	B. Sneetha	IV ECE B	JPMorgan Chase & Co.	14-06-2023 to 09-08-2023

The difference between the impossible and the possible lies in a person's determination.

- Tommy Lasorda

2	2007IA0470	D Prudhvi Raju	IV ECE B	JPMorgan Chase & Co.	14-06-2023 to 09-08-2023
3	2007IA0484	M. Durga Sai Phani Deepak	IV ECE B	DRDO-Asymmetric Technologies	14-06-2023 to 25-08-2023
4.	2007IA04F6	M. Bharath	IV ECE C	DRDO-Asymmetric Technologies	14-06-2023 to 25-08-2023
5.	2007IA04Jo	Y. Jayaraj	IV ECE C	DRDO-Asymmetric Technologies	14-06-2023 to 25-08-2023
6	2007IA04Q7	V. Swathi	IV ECE D	JPMorgan Chase & Co.	05-06-2023 to 28-07-2023

Placements

Placement details of B.Tech. 2020 - 2024 batch up to June 2023

No. of Students placed	Highest Package (Lakhs)	Average Salary (Lakhs)
227	21	6.80
91.02 % of the students got placed with an average salary of 6.8 LPA		

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– Steve Jobs

Professional Society Activities

- 2022 International Conference on “**Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC)**”, conference conducted in the month of December 2022. The proceedings of the conference is uploaded in IEEE Explorer. All papers presented in the conference are published in explorer.
- **IEEE VNRVJET Student Branch** and Signal Processing Society (**SPS**) Chapter in collaboration with Department of ECE organised a Guest Lecture on “**Applications and Challenges of Artificial Intelligence in Signal Processing**” by **Dr. V. Anil Kumar**, Associate Professor, IIIT Hyderabad on 19th April 2023.
- **IEEE VNRVJET Student Branch** announces the two new sanctioned chapters **Robotics and Automation Society & Education Society** on 12th May 2023.
- **IEEE VNRVJET Student Branch** and ISTE organized an event for students on “**Tick Your Life Right, With Purpose!**” by **Mr. David Nair**, Global Mental Resilience Mastermind on 15th May 2023.
- **IEEE VNRVJET Student Branch** in collaboration with **Department of ECE** and Circuits And Systems Society (CASS) student chapter conducted Faculty Development Programme on “**Analog and Mixed Signal Designs using Synopsys Tools**” on 26th to 30th June 2023.



Dr. V. Anil Kumar giving a Guest Lecture



Inauguration of five day FDP



Session by Ms. Shivangi Soni from Synopsys

PhD Awarded



- **Dr. R. Sravanth Kumar**, Assistant Professor successfully completed Post Doctorate Fellowship in the field of “**Brain Computer Interface**” at University of Technology, Sydney, Australia under the supervision of **Dr. Mukesh Prasad**, Senior Lecture, School of Computer Science, University of Technology, Sydney on 30th January 2023.
- **Ms. J. L.V. Ramana Kumari**, Assistant Professor successfully completed Ph.D. viva-voce titled “**Neighborhood Pattern Sensitive Fault Detection Techniques in RAM using Built In Self Test**” at Jawaharlal Nehru Technological University Hyderabad under the guidance of **Dr. M. Asha Rani**, Professor, ECE, JNTUH & **Dr. N. Balaji**, Professor, ECE, JNTUK on 25th April 2023.



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Consistent hard work leads to success. Greatness will come.



- **Mr. T. Srinivas**, Assistant Professor has successfully completed Ph.D. viva-voce titled “**Detection of Plant Leaf Diseases in Black gram Crop**” at Lovely Professional University, under the guidance of **Dr Kirti Rawal** and under the co-supervision of **Dr Gaura** on 13th June 2023.

Research and Development Activities

Project Applied

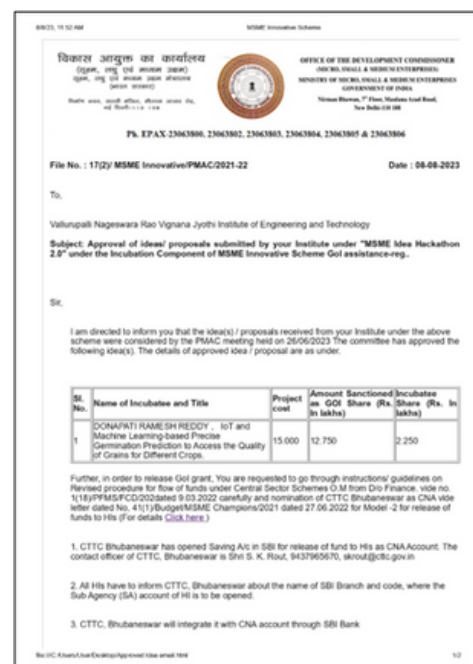
- **Dr. Y. Padmasai**, Professor & Dean Student Progression, **Dr. V. Priyanka**, Assistant Professor & **Dr. T. Srinivas**, Assistant Professor applied a project titled “**Vignana Jyothi Initiative for Grassroot and Emerging Technological Innovations leading to Startups**” under the scheme iTBI (NIDHI Inclusive Technology Business Incubator) for an amount of Rs. 670.29 Lakhs on 30th June 2023, Temporary Registration No. :TPN/94267.

Project Sanctioned

- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. Y. Padmasai**, Professor & Dean Student Progression & **Dr. P. Kishore**, Associate Professor have sanctioned with a consultancy project titled “**Design and implementation of GNSS receiver in Zynq SoC**” by Ananth Technologies Private Limited for an amount of 8 Lakhs for a duration of one year on 22nd June 2023.
- **Mr. D. Ramesh Reddy**, Assistant Professor has sanctioned with a project titled “**IoT and Machine Learning-based Precise Germination Prediction to Access the Quality of Grains for Different Crops**” during 4th PMAC meeting of MSME-Scheme held on 26th June 2023 announced by honourable minister of MSME at Vigyan Bhavan, New Delhi on 27th June 2023. Idea number IDEATS008582.



Dr.S.Rajendra Prasad receiving MoU from Dr. Sathishdhan Vadlamudi, Sr.Engineer, Ananth Technologies



Patent Published

- **Ms.K.Aruna Kumari**, Assistant Professor published Patent (Patent Application - 202341031) titled “**Restorative remedial solution for leaf disease detection using Convolutional neural networks**” on 16th June 2023.

Success is no accident. It is hard work, perseverance, learning, studying, sacrifice and most of all, love of what you are doing or learning to do.

– Pele

Journals/ Conferences/ Book Chapters

Number of Journals: 6

Number of Conferences: 24

S.No.	Name of the Faculty	Title of the Paper	Conference/Journal
1.	Mr. A. Ramesh Kumar, Associate Professor	FPGA Implementation of High Performance Hybrid Encryption Standard	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
2.	Dr. A. Sai Kumar, Assistant Professor	Mongoose OS Prototyped ESP8266 Based Weather Forecaster	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
3.	Mr. Ch. Anil Kumar, Assistant Professor	Analysis of Emotions from Speech using Hybrid Deep Learning Network Models	2022 International Conference on Futuristic Technologies (INCOFT) from 25th to 27th November 2022 organized by S.G.Balekundri Institute of Technology, Belagavi. Published on 13th April 2023
4.	Dr. Ranjan K. Senapati, Professor	Compression and Denoising of Medical Images Using Autoencoders	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023

Perseverance is the hard work you do after you get tired of doing the hard work you already did.

- Newt Gingrich

5.	Dr. Y. Chalapathi Rao, Associate Professor	A Deep Learning Approach Lung Segmentation and Pneumonia Detection from X-Rays	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
6.	Dr. Y. Chalapathi Rao, Associate Professor	FPGA Based Smart Home Automation Device Controller	6th International Online Conference on Electronics, Materials Engineering & Nano-Technology, (IEMENTech 2022) from 2nd to 4th December 2022 organized by Department of ECE, Institute of Engineering & Management.
7.	Dr. P. Kishore, Associate Professor	Design of Area Efficient Adders using Quantum-dot Cellular Automata (QCA)	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
8.	Dr. Santosh Kumar Choudhary, Assistant Professor	Segmentation of Brain MRI Images using Deep Learning	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMAACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023

9.	Dr. V. Priyanka, Assistant Professor	Design of area and power optimized VLSI architecture of ALU design using signed multiplier	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
10.	Ms. K. Jyostna, Assistant Professor	A comparative Survey on Spectrum Sensing Techniques for the Impletation of Cognitive Vehicular Network	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
11.	Ms. Y. Manasa, Assistant Professor	Fast Convergent Unified Richardson Detection Technique for Massive MIMO Systems	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
12.	Mr. E. Vijaya Babu, Assistant Professor	Analysis of Low-Delay in 64-bit Vedic multiplier	2023 International Conference for Advancement in Technology (ICONAT) from 24th to 26th January 2023 organized by Rajarambapu Institute of Technology, Maharashtra. Published on 03rd April 2023

Dreams are not easy. Dreams are painful. They force work and commitment.

They are challenging and motivating.

– Robert Kiyosaki

13	Ms. Helan Satish, Assistant Professor	Computational Study on Effect of KCNQ1 P535T Mutation in a Cardiac Ventricular Tissue	The Journal of Membrane Biology , Volume 256, pp. 287-297 11th May 2023
14	Dr. V. Priyanka, Assistant Professor	Automated detection of cardiac arrest in human beings using auto encoders	Measurement: Sensors vol.27 June 2023, 100792.
15	Ms. K. Aruna Kumari, Assistant Professor	Image Enhancement with Deep Learning and Intensity Transformation of No-Reference Grayscale Fluorescence Microscopy Images	International Conference on Recent Innovations in Computing Vol. 1, pp. 401 – 410 on 13th &14th May 2022 organized by Central University of Jammu, Published on 17th May 2023.
16	Mr. V. Naveen Kumar, Assistant Professor	Recognition of Covid-19 using Capsule Neural Networks on Chest X-rays	2023 2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN) on 5th & 6th May 2023 organized by Vellore Institute of Technology. Published on 26th June 2023.
17	Dr. R. Sravanth Kumar, Assistant Professor	An optimized machine learning framework for crop disease	Multimedia Tools and Applications , Vol. 83, pp. 1539 -1558 on 08th May 2023.
18	Mr. Ch.Anil Kumar, Assistant Professor	Development of a Speech to Indian Sign Language Translator	7th International Conference on Smart Trends for Computing & Communication from 24th & 25th January 2023 organized by Global Knowledge Research Foundation, pp. 341 -348. Part of the Lecture Notes in Networks and Systems, vol. 650. Published on 15th June 2023.

It's hard to beat a person who doesn't give up.

– Babe Ruth

19	Dr. S. Rajendra Prasad, Professor & Head	Content-Based Image Recovery System with the Aid of Median Binary Design Pattern	Traitement du Signal , Vol. 40, No. 2, pp. 667-674, 30th April 2023
20	Mr. B. B. Shabarinath, Assistant Professor	FPGA Based Hardware Accelerator for Convolution Neural Network	2022 International Conference on Recent Trends in Microelectronics, Automation, Computing and Communications Systems (ICMACC) from 28th to 30th December 2022 organized by VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad. Published on 17th April 2023
21	Ms. K. Deepthi, Assistant Professor	Traffic Management Using Intelligent Transportation Systems And Vanet Fuzzy Algorithms	International Journal of Research in Electronics and Computer Engineering (IJRECE), Vol. 11 Issue 2, pp. 51 - 55, April-June 2023.
22	Ms. L Dharma Teja, Assistant Professor	VLSI Architecture for Fractional-Order Adaptive Filter	7th International Conference on Trends in Electronics and Informatics (ICOEI) from 11th to 13th April 2023 organized by SCAD College of Engineering and Technology. Published on 24th May 2023.
23	Dr. Y. Chalapathi Rao, Associate Professor	APD-based Laser Range-Gating System	7th International Conference on Trends in Electronics and Informatics (ICOEI) from 11th to 13th April 2023 organized by SCAD College of Engineering and Technology. Published on 24th May 2023.
24	Dr. P. Kishore, Associate Professor	Implementation of Braun and Baugh-Wooley Multipliers Using QCA	2023 2nd International Conference for Innovation in Technology (INOCON) from 3rd to 5th March 2023 organized by Sai Vidya Institute of Technology. Published on 19th April 2023.

25	Dr. M.C. Raju, Associate Professor	Modified Leach Algorithm For Energy Efficient Clustering In Wireless Sensor Networks	European Chemical Bulletin 2023 , 12 (Special Issue 5), pp. 1780-1788, June 2023.
26	Ms. S. Naga Leela, Assistant Professor	Design of Wallace tree multiplier circuit using high performance and low power full adder	4th International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023) on 19th & 20th May 2023 organized by Gokaraju Rangaraju Institute of Engineering and Technology. Published on 5th June 2023.
27	Ms. A. Sireesha, Assistant Professor	Detection of Tumor in the Liver Using CNN and Mobile Net	2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN) on 5th & 6th May 2023 organized by Vellore Institute of Technology. Published on 26th June 2023.
28	Ms. A. Sireesha, Assistant Professor	Brain Tumor Detection Using YOLOv5 and Faster R-CNN	2nd International Conference on Vision Towards Emerging Trends in Communication and Networking Technologies (ViTECoN) on 5th & 6th May 2023 organized by Vellore Institute of Technology. Published on 26th June 2023.
29	Dr. V. Sagar, Assistant Professor	ASIC Implementation of Bit Matrix Multiplier	4th International Conference on Design and Manufacturing Aspects for Sustainable Energy (ICMED-ICMPC 2023) on 19th & 20th May 2023 organized by Gokaraju Rangaraju Institute of Engineering and Technology. Published on 5th June 2023.
30	Dr. Y. Padmasai, Professor	EEG based decision selection system using deep learning	4th International Conference of Emerging Technology (INCET 2023) from 26th to 28th May 2023 organized by Jain College of Engineering (JCE), Belagavi. Published on 10th July 2023.

The only thing standing between you and outrageous success is continuous progress.

- Dan Waldschmidt

INDUSTRIAL VISITS



National Remote Sensing Centre NRSC

3rd April
2023

Insights

- ISRO establishment & historical background.
- ISRO mission and role of various centers like VSSC, LPSE, SD-SHAR, SAC etc.
- All the details of launching the satellites including assembly, transport. Count down.
- Scientific details of orbits and reasons for location of launch station.
- Image processing & remote sensing aspects.
- Exhibition showing models and photographs.
- Antenna assembly.

Confidence and Hard-work is the best medicine to kill the disease called failure. It will make you a successful person.”

– Abdul Kalam

Visit to National Remote Sensing Centre -NRSC Hyderabad on 3rd April 2023.



Visit to National Remote Sensing Centre -NRSC Hyderabad on 3rd April 2023.



Visit to National Remote Sensing Centre -NRSC Hyderabad on 3rd April 2023.

Educaion is what remains after one has forgotten what one has learned in school.

-Albert Einstein

Upcoming Events

- IEEE 3rd Asian Conference on Innovation in Technology (ASIANCON '2023), 25th to 27th August 2023, Pune, India.
- International Conference on Networks, Multimedia and Information Technology (NMITCON), 1st & 2nd September 2023.
- IEEE COMCAS 2023, The International Conference on Microwaves, Communications, Antennas, Biomedical Engineering & Electronic Systems, will be held from November 6-8, 2023, in Tel Aviv, Israel.
- IEEE ICCINS 2023, International Conference on Computational Intelligence, Networks and Security ICCINS-2023, 22nd & 23rd December 2023, Mylavaram, Andhra Pradesh.
- 2023 International Conference on Smart Systems for applications in Electrical Sciences (ICSSES), 07th & 08th July 2023, SIT Tumkur.
- International Conference on Evolutionary Algorithms and Soft Computing Techniques on (EASCT-2023), 20th & 21st October 2023, RVITM, Bangalore.
- 2023 Fifth International Conference on Advances in Electronics, Computers and Communications (ICAECC), 07th & 08th September 2023, REVA University, Bangalore.
- 4th International Conference on Public Key Infrastructure and its Applications (PKIA 2023), 08th & 09th September 2023, Bangalore.
- International Conference on Multidisciplinary Research in Technology and Management (MRTM), 22nd September 2023, NHCE, Bangalore.
- 4th Global Conference for Advancement in Technology, 06th October 2023, NCET, Bangalore.
- International Conference On New Frontiers in Communication, Automation, Management And Security, 27th & 28th October 2023, Presidency University.
- International Conference on Ambient Intelligence, Knowledge Informatics and Industrial Electronics (AIKIE-2023), 02nd & 03rd November 2023, Rao Bahadur, Ballari.
- Computational Systems & Information Technology for Sustainable Solutions (CSITSS-2023), 02nd to 04th November 2023, RVCE, Bangalore.
- International Conference on Recent Advances in Information Technology and Sustainable Development, 06th & 07th November 2023, MIT Manipal.
- International Conference on Recent Advances in Science and Engineering Technology – ICRASET 23, 23rd & 24th November 2023, BGSIT.
- International Conference on Recent Advances in Science and Engineering Technology – ICRASET 23 BGSIT.
- International Conference on Integrated Intelligence and Communication Systems, 24th & 25th November 2023, Sharnbasva University, Kalaburagi.
- 4th International Conference on Communication, Computing and Industry 6.0, 15th & 16th December 2023, CMRIT, Bangalore.

Ideas are knowledge. When we share knowledge in the written or verbal form, amazing things can happen. -Jim Rohn

Tech News

- ISRO has accomplished the Reusable Launch Vehicle Autonomous Landing Mission (RLV LEX) at the Aeronautical Test Range (ATR) in Chitradurga, Karnataka on 3rd April 2023.
- Scientists have discovered the closest black hole, BH1, to Earth in our cosmic backyard using the Gaia satellite.
- After a 50-year break, NASA has announced the names of the four astronauts who will be taking humans back to the Artemis II Moon Mission. For the first time, a woman astronaut, Christina Koch, and a black astronaut, Victor Glover, will be part of a lunar mission.
- Skyroot Aerospace, a startup based in Hyderabad, India, has successfully test-fired an advanced, fully 3D-printed cryogenic engine, marking a significant milestone in the country's indigenous space technology development.
- The Union Government of India has recently approved the Indian Space Policy 2023, which aims to enhance the role of the Department of Space and boost the activities of the ISRO.
- Kerala State Inland Navigation Corporation (KSINC) has launched a solar-powered tourist boat called Sooryamshu that can produce 27 KW of energy.
- NASA's Tropospheric Emissions: Monitoring of Pollution (TEMPO) instrument has successfully launched, marking a significant step forward in the monitoring of major air pollutants.
- The European Space Agency (ESA) launched the Jupiter Icy Moons Explorer mission (Juice) on 14th April, 2023. Juice aims to explore Jupiter and three of its largest moons.
- SpaceX, founded by Elon Musk, is preparing to conduct an unprecedented test flight of its groundbreaking Starship, which is currently the most powerful rocket in existence.
- The inauguration of the Defence Research and Development Organisation (DRDO) Industry Academia Centre of Excellence (DIA-CoE) took place at the Indian Institute of Technology-Hyderabad, making it the largest facility of its kind in the country.
- IIT Indore, in partnership with NASA-Caltech and the University of Gothenburg in Sweden, has designed an inexpensive camera setup that can capture multispectral images of four chemical species in a flame using a single DSLR camera.
- Elon Musk announced his plan to launch an AI platform called "TruthGPT" to compete with Microsoft and Google's current offerings.
- Lucy mission captures images of Jupiter Trojan asteroids from 330 million miles away. NASA's Lucy mission is on a 12-year journey to observe nine Jupiter Trojans and two main belt asteroids, making it the first-ever mission to visit them.
- Kenya's first operational Earth observation satellite, "Taifa-1," was successfully launched into space on April 15th, 2023, using a rocket from Elon Musk's rocket company, SpaceX.
- ISRO is gearing up for its upcoming commercial mission, which is set to launch a Singaporean Earth Observation satellite called TeLEOS-2.

If you really look closely, most overnight successes took a long time.

– Steve Jobs

Articles

Hyderabadi Biryani

Few foods in Indian cuisine can compare to the Hyderabadi Biryani's mouthwatering flavor and aromatic grandeur. This well-known dish is from the old Indian city of Hyderabad and has gained international acclaim by transcending regional boundaries. As we investigate the history, components, and production of this magnificent culinary masterpiece, let's take a tasty journey together. Actually, In 1857, after the Mughal Empire declined in Delhi, Hyderabad emerged as the center of South Asian culture which resulted in the mix of innovations in Hyderabadi Biryani. Mughlai culinary traditions joined with local traditions to create Hyderabadi cuisine. Local folklore attributes the creation of Hyderabadi biryani to the chef of the first Nizam.



Preparation of this amusing biryani this biryani includes ingredients like meat, salt, ginger-garlic paste, red chilli paste, sautéed brown onions, cardamom powder which evolves beautiful fragrance, cinnamon sticks, cumin seeds, caraway seeds, colves, eggs, semi-cooked basmathi rice, saffron stand gives attracting colour, clarified butter which helps to dissolve all flavours at one place. Hyderabadi biryani preparation is a sort of art. Two techniques are generally used: the Kacchi (raw) and the Pakki (cooked) versions of the dish.

Kacchi Biryani: Using this technique, rice that has only partially cooked is covered with marinated meat before the whole thing is cooked slowly to let the flavours mingle. In this dish, the rice and meat are first cooked separately before being piled and simmered slowly. Although the texture produced by this process is slightly different, it is still tantalizing. Both techniques use the "dum" cooking method, which involves sealing the pot with dough or a tight-fitting lid to retain steam and allow flavours to permeate the food.

You can find Biryani not only in upscale restaurants but also in humble street stalls, where it's served in a more accessible and affordable form, making it a beloved street food. Hyderabadi Biryani's rich history, It is a culinary treasure that continues to enthrall food lovers all over the world because of its dexterous preparation methods, unforgettable flavors, and subtle flavors. This meal, which can be served at either a royal banquet or a roadside cafe, is evidence of both India's cultural richness and culinary skill.

Sai Kumar Byagari

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ECE C

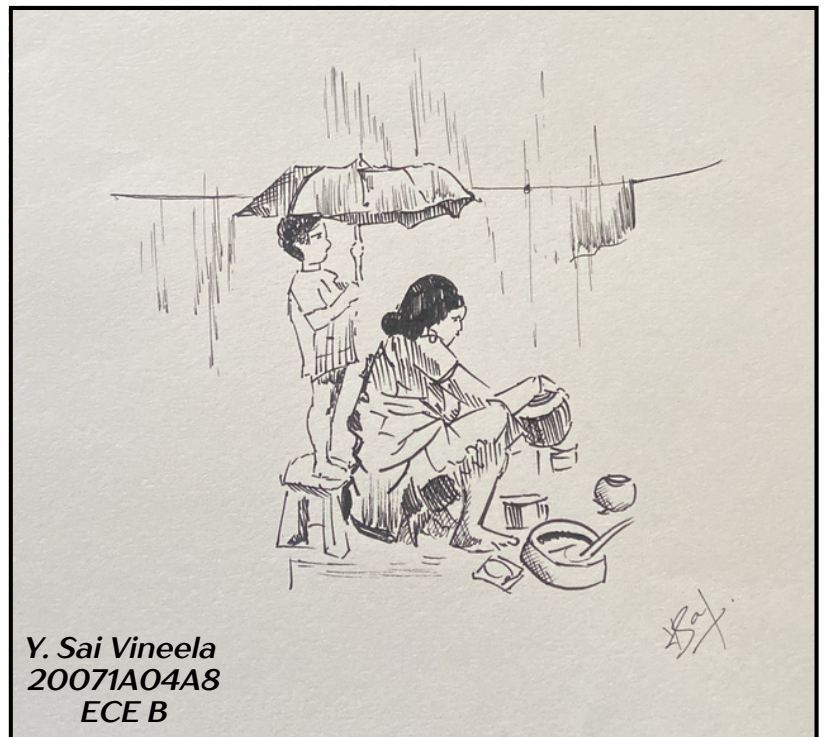
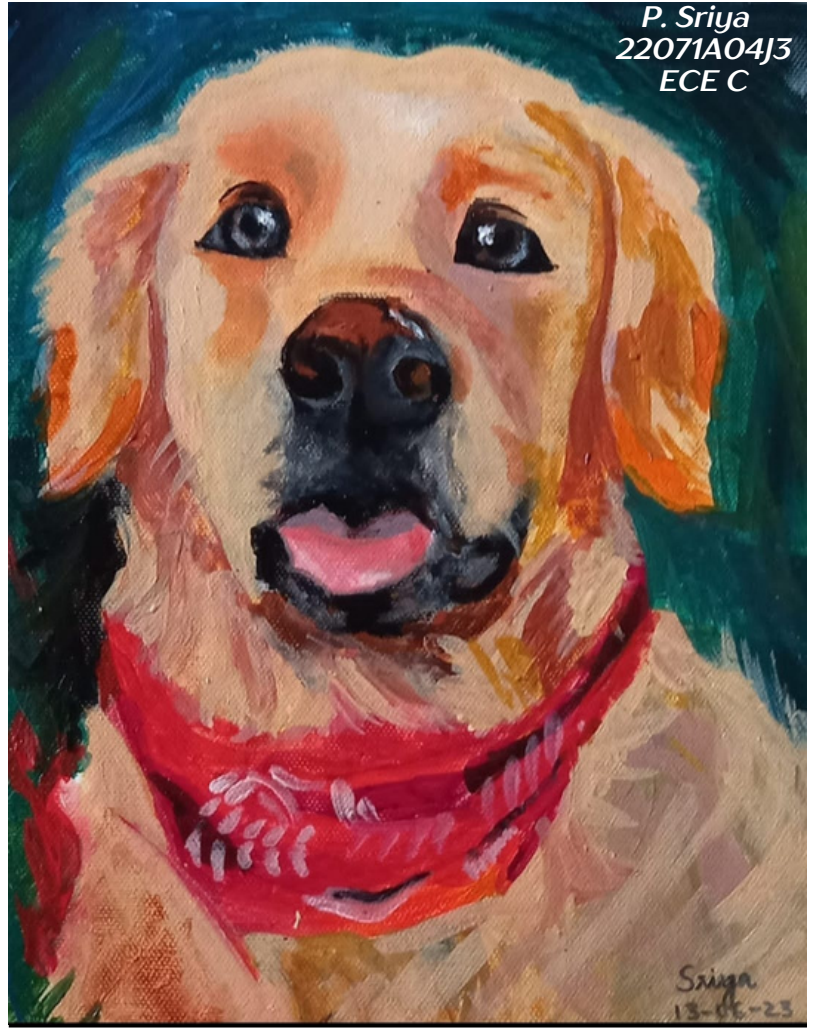
BIRYANI QUOTES

"If someone says true love doesn't exist, make them taste biryani"

The elevator to success is out of order.
You'll have to use the stairs... one step at a time.

– Joe Girard.

Creative
Corner



Hard work spotlights the character of people: some turn up their sleeves, some turn up their noses, and some don't turn up at all.

- Sam Ewing

SOUL AND NATURE

Directions are not my cup of tea,
But I had to flea,
From group of people I call my colleagues,
When we were on a camping trip. 🏕️

When a bird returned to its nest,
I sat down to take some rest,
Maybe because I was all alone,
Various thoughts became my guest. 🧠

I got an actor brother,
Sponsored by my CEO mother,
People sing praises of my father,
And black sheep is all I hear. 😞

Do I really share their blood?
Bet they picked me up from that flood,
Otherwise how could I ever explain,
The thousands of mistakes that I make. 🩹

Even this morning they gossiped,
About how my family is worshipped,
Questioned the reason for my existence,
Said they would do better in my place. 🧠

I could not stay and listen,
It felt like I was in a prison,
A place as dark as shadow,
Tied by an invisible chain. 🗿

Slowly morning came with sunrise,
So bright, it burnt my eyes,
I turned for a second and looked again,
And there a scenery that changed my life. ❤️

“It's hard to beat a person who never gives up.”

— George Herman Ruth

SOUL AND NATURE

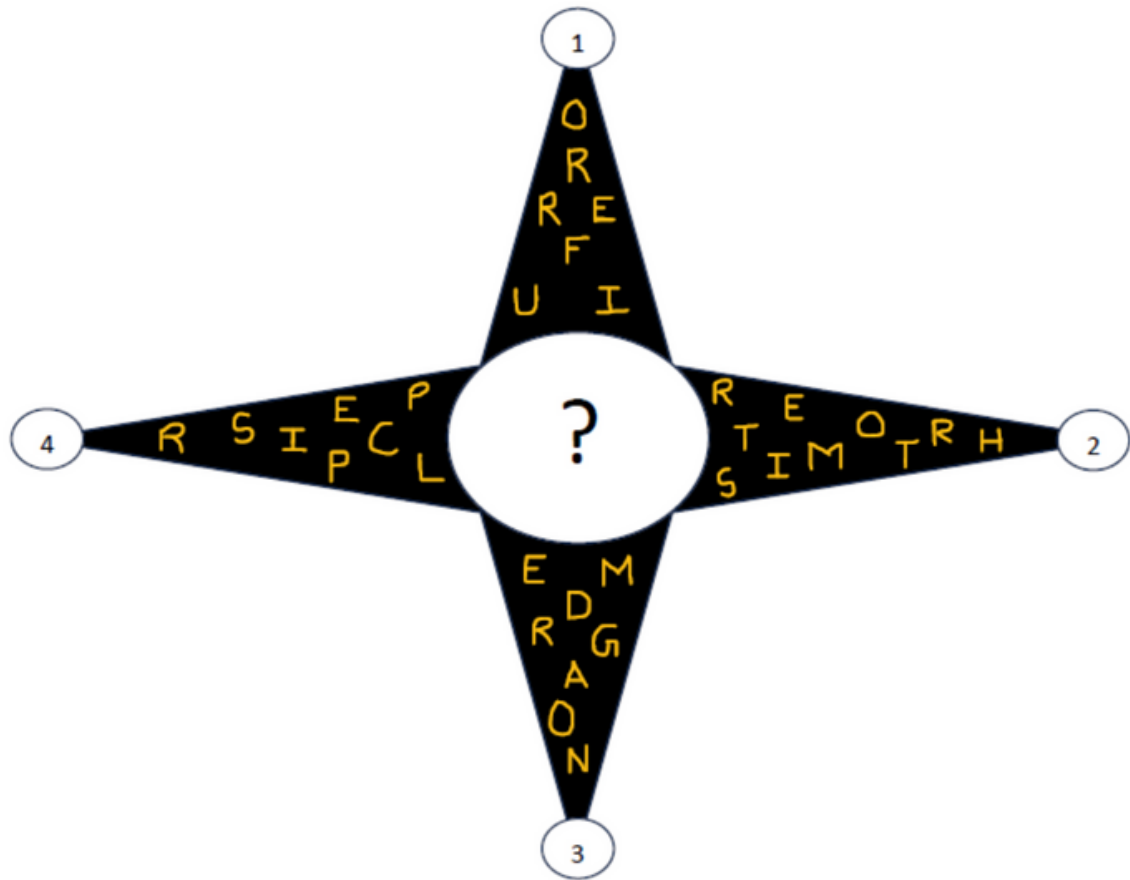
Glistening water falling from above,
Pretty flowers seeking for love,
Huge trees swaying to the beat,
Unseen wind took the lead. ✨

Each little bee had its duty,
Its buzzing sound added to the beauty,
Confidently, they went to pretty flower,
Took away all its nectar. 🐝

Suddenly, all my insecurities vanished,
I could dance and sing in unknown Spanish,
Though I got lost in a forest,
I found my soul in the process. 🧑🏻
Thank you.

M. Sree Lekha
21071A0435
ECE A

To solve or not to?



1. When real part of S-plane equals zero, Laplace Transform is equal to _____ Transform.

2. A temperature sensitive resistor, that is, its terminal resistance is related to its body temperature.

3. $\overline{A+B} = \overline{A} \cdot \overline{B}$; $\overline{A \cdot B} = \overline{A} + \overline{B}$
 The above two expressions represent _____ theorem.

4. Diode networks that have the ability to clip-off a portion of the input signal without distorting the remaining part of the alternating waveform.

Answers to the puzzles of the previous issue.

The answers for the across clues are: 1. Processor, 4. Capacitor, 6. Transistor, 7. Regulator, 9. Amplifier, 12. Logic Gate, 14. Rectifier, and 15. LED.

For the down clues, the answers are: 1. Amplifier, 2. Motor, 3. Flash, 5. Diode, 7. Resistor, 8. Generator, 10. Capacitor, 11. Digital-to-Analog Converter (DAC), 13. Relay, and 14. Inverter.

Start by doing what's necessary; then do what's possible;
 and suddenly you are doing the impossible.

- Francis of Assisi

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