



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

January- March 2024

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



Welcome to the Jan-March 2024 edition of our Electronics and Communication Engineering (ECE) department's newsletter. Inside, you will find articles, certificates, arts, and achievements of our students and faculty members. This year, I am delighted to announce that through the GATE Coaching conducted by our department, many of our students have secured AIR GATE Ranks below 5000.

This newsletter also includes details about guest lectures, workshops, student chapter events, etc., offering insights into the current industry requirements. This ensures that our students and faculty are well-informed about real-world developments and are equipped to meet them.

As we strive to adopt new teaching methods and integrate the latest technologies, I'm confident in our ability to continue excelling. I thank all the students and faculty members who have worked hard and brought about this newsletter.

Dr. S. Rajendra Prasad

Discipline is the bridge between goals and accomplishments.

- Jim Rohn

Faculty Updates



Dr. M. C. Raju



Ms. N. Shyamala



Mr. G. Kiran Kumar

- **Dr. M. C. Raju**, Associate Professor got **relieved** on 20th January 2024.
- **Ms. N. Shyamala**, joined the department as **Assistant Professor** on 12th February 2024.
- **Mr. G. Kiran Kumar** joined the department as **Assistant Professor** on 21st February 2024.

Whizz-Kids

Section Wise Class Toppers (A.Y 2023-2024)

IV B. Tech. I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	A. Hrushitha	20071A0405	9.48
	B. Bhavani	20071A0410	9.44
	V. Srinithya	20071A0460	9.27
ECE-B	Sk. Rizwana	20071A04B0	9.74
	P. Sai Teja	20071A0499	9.40
	N. Surendranath	20071A0495	9.31
	K. Keerthi	21075A0410	9.31
	M. Srivani	21075A0411	9.31

Class	Student Name	Roll Number	SGPA
ECE-C	N. Harika	20071A04F9	9.44
	B. Akash	21075A0413	9.35
	K. Poojitha	20071A04G3	9.31
ECE-D	P. Harika	20071A04P6	9.40
	V. Thanvitha	20071A04Q5	9.35
	A. Dhanalaxmi	20071A04J6	9.18
	E. Hansika	20071A04K7	9.18

We all have dreams. But in order to make dreams come to reality, it takes an awful lot of determination, dedication, self-discipline, and effort.

Section Wise Class Toppers (A.Y 2023-2024)

III B.Tech. I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	E. Harika	22075A0402	9.10
	E. Sri Varsha	21071A0416	8.91
	P. Musunuru	21071A0446	8.81
ECE-B	Paramjoth Singh	21071A04B1	9.05
	U. Vaibhava	21071A04C7	8.98
	S. Sai Madhava	21071A04B7	8.91
ECE-C	M. Tejaswi	21071A04G6	9.22
	M. Rahul	21071A04G4	8.98
	K. Sree Sesa Akshitha	21071A04G2	8.93
ECE-D	A. Suraj	22075A0422	9.12
	S. Aafrin	21071A04R9	9.05
	Y. Srinivas	22075A0428	9.05
	G. Akshitha	21071A04K6	8.98

II B.Tech. I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	P. Srinidhi	22071A0438	9.50
	D. Nandini	22071A0417	9.40
	P. Sharma	22071A0437	9.30
ECE-B	K. Geetanjali	22071A0494	9.50
	N. Venkata Shiva Bindu	22071A04A6	9.30
	P. Akshitha Reddy	22071A04A8	9.25
ECE-C	D. Divya	23075A0417	9.70
	C. Harshitha	22071A04D6	9.50
	M. Ashley Nischay	22071A04F7	9.50
	P. Sriya	22071A04J3	9.40
ECE-D	T. Ashwini	23075A0426	9.85
	C. Sahitya	23075A0422	9.30
	N. Akshith	22071A04Q3	9.15

You are not defeated when you lose. You are defeated when you quit.

- Paulo Coelho

Section Wise Class Toppers (A.Y 2023-2024)

I B.Tech. I Semester

Class	Student Name	Roll Number	SGPA
ECE-A	D. K. Arjun Reddy	23071A0419	9.75
	N. Naga Veda	23071A0441	9.65
	P.Sai Naga Vally Pradeepa	23071A0446	9.60
ECE-B	G. Rushitha	23071A0487	9.75
	G. Gayathri	23071A0484	9.70
	K. Sri Vaishnavi	23071A04A2	9.65
ECE-C	B. Sai Keerthana	23071A04D7	9.60
	M. Kanishka Sri Sai Saranya	23071A04F7	9.60
	C. Aashrith	23071A04E2	9.50
	A. Madharapu	23071A04C9	9.40
	G. Nanditha	23071A04E9	9.40

Class	Student Name	Roll Number	SGPA
ECE-D	M. Uma Sailendra	23071A04P5	9.70
	P. Manasa	23071A04P6	9.70
	M. Mahesh	23071A04Q2	9.70
	P. Aishwarya Sai Lakshmi	23071A04Q6	9.70
	G. Sai Prasanna	23071A04No	9.65
	S. Sri Lasya	23071A04R7	9.60

Awards & Recognitions

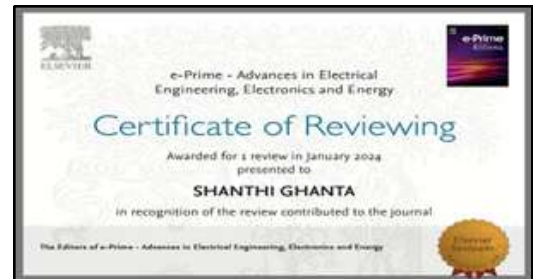
Faculty

- **Dr. G. Shanthy**, Assistant Professor served as a **Technical Reviewer** for the 04th IEEE International Conference on Advances in Electrical, Computing, Communications and Sustainable Technologies (**ICAECT 2024**) organized by the Department of EEE, Shri Shankaracharya Technical Campus (SSTC), Chhattisgarh on 11th & 12th January 2024.



- **Dr. Y. Padma Sai**, Professor & Dean of Student Progression, was selected for the **Best Faculty Award “Academic Titan Achievement Award”** by the Artificial Intelligence Medical and Engineering Researchers Society" (AIMERS) on 29th January 2024.

- **Dr. G. Shanthy**, Assistant Professor **reviewed** a paper for **e-Prime – Advances in Electrical Engineering, Electronics and Energy** in January 2024.



- **Dr. Ch. Anil Kumar**, Assistant Professor **reviewed** a paper for the **Journal of Intelligent & Fuzzy Systems** on 19th January 2024.

- **Dr. T. Srinivas**, Assistant Professor was appointed as a **Reviewer** for the Journal Bulletin of Electrical Engineering and Informatics (**BEEI**) on 2nd February 2024.
- **Dr. S. Rajendra Prasad**, Professor & Head **reviewed** a paper for the **International Journal of Circuit Theory and Applications**, Wiley on 26th February 2024.



- **Dr. Pradeep Kumar**, Assistant Professor served as a **Reviewer** for the **International Journal of Communication Systems**, Wiley on 26th February 2024.
- **Dr. Pradeep Kumar**, Assistant Professor served as a **co-ordinator** for the **Pantech Learning** (21 Days Masterclass on Embedded Systems (Arduino) from 14th February to 06th March 2024.
- **Dr. Ch. Raja Kumari**, Assistant Professor **reviewed** a paper for the **International Journal of Electrical and Computer Engineering Systems** from 20th January 2023 to 06th March 2024.



Day by day, what you choose, what you think, and what you do...

who you become.

-Heraclitus

- **Dr. Y. Chalapathi Rao**, Associate Professor **reviewed** a paper for the **Physical Communication Journal** on 30th March 2024.
- Faculty sports was conducted in which various sports events were organized for the faculty across the institute. The **department** secured numerous awards in sports such as **throw ball, tug of war, badminton, musical chair, short put, table tennis and running for women** and **Kabaddi, Tug of war, Volleyball, Cricket, and running for men**. The Department of ECE emerged victorious as the **overall champions** in the **women's category**.



Department of ECE receiving the Overall Champions in the Women's Category

Students



Saketh Vishwanatham and N. Nishika receiving 1st prize in Techathon - Havana'24

- **Saketh Vishwanatham** (21071A04R6), **N. Nishika** (21071A04Q8), and **Koushik**, EIE secured 1st place in **Techathon - Havana'24** at GITAM Technical fest for the problem statement "Smart monitoring of crops using raspberry pi" on 23th February 2024.
- **Tarun basavaraju** (20071A04C6) secured **Winner-Up in BGMI** during **MILAN-2024** at Vignana Jyothi Institute of Management held during 29th February to 02nd March 2024.

- **D. Supriya** (21071A04I1) received **Scholarship Award** for the year 2023-2024 from **United Way of Hyderabad** scholarship 2023-24 by Deloitte Sahas on 01st March 2024.

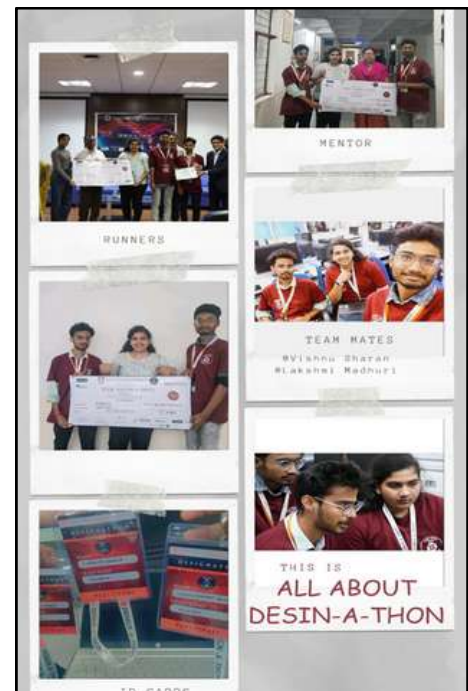


Scholarship Award given to D. Supriya



Winner of the 24 -hour National Level Design- A-thon

- **K. Abhinav** (22071A0401), **G. Dhruva Kumar** (22071A0421), **V. Chaitanya Reddy** (22071A0414) were awarded as **Winner** of the **24 -hour National Level Design- A-thon** conducted by the Department of CSE & CSBS, VNR Vignana Jyothi Institute of Engineering & Technology held during 01st & 02nd March 2024.
- **B. Lakshmi Madhuri** (22075A0409), **S. Sushanth** (22075A0414) & **A. Vishnusharan** (22075A0415) were awarded as **Runner** of the **24 -hour National Level Design- A-thon** conducted by the Department of CSE & CSBS, VNR Vignana Jyothi Institute of Engineering & Technology held during 01st & 02nd March 2024.



Runner of the 24 -hour National Level Design- A-thon

What you do today can improve all your tomorrows.

-Ralph Marston



- **B. Siva Sai** (21071AO4M2) received **Certificate of Excellence** in recognition of the excellent initiatives and outstanding contributions made during the **Coincent Partnership Program** conducted by Robotics Club, Indian Institute of Technology Guwahati on 02nd March 2024.

- **P. Venkata Naveen** (23071AO443) won **First Prize** for the event **Meme Competition** titled "**Rebecca**" conducted by VJ Teatro during The Cultural Fest of VNRVJIET - Sintillashunz'24 on 14th March 2024.

- **P. Sai Prabhath** (23071AO4Q8) (Director & DOP), **P. Sai Santosh** (23071AO4Ro) (Editor), Vivek, Sahasra & Santhosh (Actors) won **Best Film Award** titled "Whispers of serenity" for the event **48 Hour Short Film Contest** conducted by VJ Teatro during The Cultural Fest of VNRVJIET - Sintillashunz'24 on 14th March 2024.



VJ Teatro - The Short Movie Club of VNRVJIET

- **K. Naga Bhavadeep** (23071AO4AI) won **Best DOP** for the short film titled "**Unprofessionals**" in the **48-Hour Short Film Contest** conducted by VJ Teatro during the cultural fest of VNRVJIET, Sintillashunz'24, on March 14, 2024.

- **B. Venkata Harshini** (22071AO4MI) won **First Prize** in Art Competition titled "**Krearta**" conducted by Creative Arts during The Cultural Fest of VNRVJIET - Sintillashunz'24 on 14th March 2024.



B. Venkata Harshini receiving First Prize

- **M. Srishyam Reddy** (23071AO4G3) won **Third Prize** for the event **Instrumental Solos** titled "**Instru-Lead**" conducted by Crescendo during The Cultural Fest of VNRVJIET - Sintillashunz'24 on 14th March 2024.



Crescendo - The Music Club of VNRVJIET

- **Crescendo** - The Music Club of VNRVJIET, **M. Yeshwanth** (20071AO4N5), **P. Sravya Geethika** (21071AO4Bo), **V. Harshith Kumar** (21071AO4K3), **Ch Ruthvik** (23071AO4E1), **M. Srishyam** (23071AO4G3), **P. Samuel Moses Paul** (23071AO4H4) won **First Prize** for the event **Battle of Bands** titled "**Charminar Jam**" conducted by Crescendo during the Cultural Fest of VNRVJIET - Sintillashunz'24 on 14th March 2024.

- **Ch Ruthvik** (23071AO4E1) secured **3rd Place** in **Harmonix** conducted by Crescendo during The Cultural Fest of VNRVJIET - Sintillashunz'24 on 14th March 2024.

Motivation is what gets you started. Habit is what keeps you going.

- Jim Rohn

- **G. Indhu** (2007IA0423) & **P. Pragna** (2007IA0442) received “**Best Paper Presenter**” paper entitled “**Tamper Localization through Fragile Watermarking with Vigenere Cipher Encryption**” in the International Conference on Distributed Computing and Optimization Techniques (**ICDCOT-2024**) at SJB Institute of Technology, Bengaluru on 15th & 16th March 2024.
- **B. Sansitha** (2207IA0408) & **K. Viswaja** (2307IA04Ko) students were selected as **finalists of Oratory Olympics** organized by VNR VJIET Toastmasters Club on 23rd March 2024.



- **P. Srinija** (2107IA04Q9) was selected for the Women in Silicon Hardware (**WISH**) internship provided by **Google and talent sprint** on 22nd March 2024.

GATE Champions



M. Kamal Sai
2007IA04E9
268



C. Shivakumar
2007IA0466
1442



P Hanish
2107IA0442
1666



C. M. Tithi
2107IA04J7
2250



B.L.S. Lokesh
2107IA0471
2344



S. Sreyas
2007IA04G7
2549



Ch. Gopichand
2007IA0412
2682



M. N. Sree Lekha
2107IA0435
2933



M. Pranitha
2107IA0446
2933

Self-discipline is when your conscience tells you to do something and you don't talk back.

-W. K. Hope



Name of the Candidate
GURUCHARAN ENLA

Name of the Parent/Guardian
E SATHYANARAYANA

Registration No. EC2407962384

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	459	Marks out of 100	32.33
All India Rank (AIR) in the test paper	3077	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

E. Gurucharan
21071A0414
3077



Name of the Candidate
SURAJ ADIGANALA

Name of the Parent/Guardian
SANTHUS ADIGANALA

Registration No. EC2407963721

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	449	Marks out of 100	31.67
All India Rank (AIR) in the test paper	3346	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

A. Suraj
22075A0422
3346



2024
The University of Applied Sciences, Pondicherry

SCORE CARD

Name of the Candidate
KASIREDDY SWETHA

Name of the Parent/Guardian
KASIREDDY MURALI MOHAN REDDY

Registration No. EC2407962295

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	429	Marks out of 100	30.28
All India Rank (AIR) in the test paper	4056	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

K. Swetha
20071A04E5
4056



Name of the Candidate
DHANALAXMI

Name of the Parent/Guardian
D PRADHEEN

Registration No. EC2407960967

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	414	Marks out of 100	29.33
All India Rank (AIR) in the test paper	4626	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

A. Dhanalaxmi
20071A04J6
4626



Name of the Candidate
KANDHUPRAVALLIKA REDDY

Name of the Parent/Guardian
KANDHUPRASA RENU

Registration No. EC2407960461

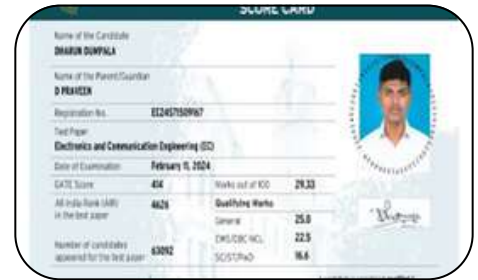
Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	404	Marks out of 100	29.33
All India Rank (AIR) in the test paper	4626	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

K. Pravallika
20071A04E4
4626



SCORE CARD

Name of the Candidate
DHARUN DUMPA

Name of the Parent/Guardian
D PRADHEEN

Registration No. EC2407960967

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	404	Marks out of 100	29.33
All India Rank (AIR) in the test paper	4626	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

D. Dharun
20071A04E2
4626



Name of the Candidate
SRI NAGA SRI SAMHITHA KEMPARAJA

Name of the Parent/Guardian
KEMPARAJA KANESWARA REDDY

Registration No. EC2407960749

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	404	Marks out of 100	29.33
All India Rank (AIR) in the test paper	4626	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

V. Samhitha
21071A0462
4626



SCORE CARD

Name of the Candidate
HARIKA KANDURUM

Name of the Parent/Guardian
A RANAKANTH GOUD

Registration No. EC2407960889

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	400	Marks out of 100	29.33
All India Rank (AIR) in the test paper	5377	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

K. Harika
20071A04M7
5377



Name of the Candidate
MANKALA RAMCHAND

Name of the Parent/Guardian
MANKALA RAMENTH

Registration No. EC2407960338

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	400	Marks out of 100	29.33
All India Rank (AIR) in the test paper	5377	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

M. Ramchand
20071A0487
5377



Name of the Candidate
YOGESH KUMAR GOUD

Name of the Parent/Guardian
RAJANJAN GOUD

Registration No. EC2407960341

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	395	Marks out of 100	28.0
All India Rank (AIR) in the test paper	5643	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

G. Yogesh Kumar
21071A0421
5643



SCORE CARD

Name of the Candidate
HRUSHITHA REDDY ARNA

Name of the Parent/Guardian
ARNA ARUN KUMAR

Registration No. EC2407960704

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	390	Marks out of 100	27.67
All India Rank (AIR) in the test paper	5893	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

A. Hrushitha
20071A0405
5893



SCORE CARD

Name of the Candidate
EENI VENUGOPAL

Name of the Parent/Guardian
EENI VENUGOPAL

Registration No. EC2407960192

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	385	Marks out of 100	27.33
All India Rank (AIR) in the test paper	6146	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

E. Venugopal
21071A04E6
6160



GATE 2024
GRADUATE APTITUDE TEST IN ENGINEERING 2024

SCORE CARD

Name of the Candidate
JYOTHI ABHINAY

Name of the Parent/Guardian
JYOTHI ABHINAYAN

Registration No. EC2407960799

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	380	Marks out of 100	27.00
All India Rank (AIR) in the test paper	6740	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

J. Abhinay
20071A0427
6160



SCORE CARD

Name of the Candidate
VALLEPU KANAK KUMAR

Name of the Parent/Guardian
VALLEPU RANI KUMAR

Registration No. EC2407960577

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	380	Marks out of 100	27.0
All India Rank (AIR) in the test paper	6433	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

V. Kalyan Kumar
21071A04J8
6433



Name of the Candidate
YAMINI MEERA REDI

Name of the Parent/Guardian
NATHI RAJESH KUMAR

Registration No. EC2407960849

Test Paper
Electronics and Communication Engineering (ECI)

Date of Examination February 11, 2024

GATE Score	375	Marks out of 100	26.67
All India Rank (AIR) in the test paper	6759	Qualifying Marks	General: 25.0
		General	22.5
		SC/ST/PwD	16.6

Number of candidates appeared for the test paper 63092

Yamini Meera
21071A04H1
6758



V. Kranthi Kumar
20071A04H5
7092



K. Jayaram
21071A04G0
7458



M. Karthik Kumar
21071A0432
7824



D. Supriya
21071A04I1
7824



K. Sai Kiran
20071A04E1
8212



V. Sreeja Sailu
20071A04Q3
8212



B. Veda Mouktika
2001A04H7
8619



K. Srikar
21071A04Po
8619



K. Shreeja
22075A0403
9033



E. Sri Varsha
21071A0416
9923



Md Abdul Rayhaan
22075A0406
9923



G. Raghavendra
20071A0424
10881



N S Abin Beni
20071A04F7
11405



N. Nishika
21071A04Q8
11981



A. Chetan Sai Raj
20071A04C4
15734

My rituals keep me consistent, and consistency is the key to achieving goals.

-Kelsey Heenan



P. Sooraj
21071A04B4
16451



B. Sai Kumar
20071A04C7
19596



P. Ajay Charan
20071A04G2
20442



K. Rasana
20071A0448
23121

- **Team VNRVJIET** achieved **1st Place** in a **Basketball** tournament at the **Women-SPARKS-INTELLIGENTIA of Inter-University Sports Fest** at VNR Vignana Jyothi Institute of Engineering & Technology from 13th to 17th February 2024. **E. Samsritha** was Captain of the team.



Captain Samsritha with Trophy

- **Team VNRVJIET** achieved **1st Place** in **Basketball** tournament for Women at the **National Level Tournament-Padmabhushan Tournament** at BVRIT on 23rd & 24th February 2024. **E. Samsritha** was Captain of the team and R. Lakshya (22071A0449) was part of the team.



Samsritha receiving Trophy

- **Team VNRVJIET** achieved **1st Place** in **Basketball** tournament for Women at the **National Level Tournament** conducted by Anurag University from 27th January to 03rd February 2024. **E. Samsritha** (20071A0418) was Captain of the team
- **Team VNRVJIET** achieved **1st Place** in the **Basketball** tournament for Women at the KLEF from 19th to 21st February 2024. **E. Samsritha** (20071A0418) was Captain of the team

- **Team VNRVJIET** achieved **1st Place** in the **Basketball** tournament for Women at the **State Level Sports Meet** at CVR College on 27th to 29th February 2024. **E. Samsritha** (20071A0418) was Captain of the team and R. Lakshya (22071A0449) was part of the team.
- **Team VNRVJIET** achieved **1st Place** in the **Basketball** tournament at the **Sparks-Intelligentia-2024** at Malla Reddy University from 13th to 17th February 2024. **R. Lakshya** (22071A0449) was part of the team.



Lakshya with teammates

Today I will do what others won't, so tomorrow I can accomplish what others can't.

— Jerry Rice

- **Team VNRVJIET** achieved **1st Place** in the **Basketball tournament** at the **National Level Sports Fest** at KLEF from 19th to 21st February 2024. **R. Lakshya** (22071A0449) was part of the team.



Rupendra with teammates



Udhay Kiran with teammates



- **Team VNRVJIET** achieved **1st Place** in **Basketball** at the **Inter University Sports Tournament** hosted by GITAM from March 13th to 15th, 2024. **M. Rupendra Kumar** (22071A04F6) was part of the team.
- **Team VNRVJIET** achieved **1st Place** in **Basketball** at the **State Level Sports Meet** at CVR College from 27th to 29th February 2024. **M. Rupendra Kumar** (22071A04F6) was part of the team.
- **Team VNRVJIET** achieved **1st Place** in **Basketball** at the **National Level Tournament-Padmabhusan Tournament** at BVRIT on 23rd & 24th February 2024. **M. Rupendra Kumar** (22071A04F6) was part of the team.
- **Team VNRVJIET** achieved **1st Place** in **Basketball** at the **Sparks-Intelligentia-2024** at Malla Reddy University 1st Place from 13th to 17th February 2024. **M. Rupendra Kumar** (22071A04F6) was part of the team.
- **VNRVJIET** secured **2nd Place** in **Kabaddi** at **SportsBout11.0 of Anurag University from 27th January to 3rd February 2024**. **Uday Kiran** (20071A0498) was captain of the team.
- **VNRVJIET** secured **1st Place** in **Kabaddi** at **Energize Sports fest** of Malla Reddy Engineering College on 01st & 02nd March 2024. **Uday Kiran** (20071A0498) was part of the team.

Guest Lectures Delivered

- **Dr. K. B. Archana**, Senior Assistant Professor delivered a **lecture** in the **Workshop** on “**Innovative Differentiable Practices for the New Age Engineering Education**” as a part of 11th International Conference on Transformations in Engineering Education (ICTIEE 2024) held in KLE Technological University, Hubballi, Karnataka in association with Indo Universal Collaboration for Engineering Education (IUCEE) from 02nd to 04th Jan 2024.



Dr. K. B. Archana delivering her talk



If you could get up the courage to begin, you have the courage to succeed.

-David Viscott

- **Dr. L. V. Rajani Kumari**, Assistant Professor delivered **lecture sessions on “Signal Processing Applications & Machine Learning concepts through MATLAB”** as a resource person in three-day workshop on “Fundamentals and Applications of MATLAB” organized by ECE Department, Mother Teresa Institute of Science and Technology, Khammam from 8th to 10th February 2024.



Dr. L.V. Rajani Kumari while handling the practical sessions



Events Organized

- **Workshop on “Unleash Innovation with MATLAB using Embedded Systems”** by **Mr. V. Venkata Sai** (21071A04T6), III year Student was organized by the Department of ECE, VNR VJIET Hyderabad on 12th January 2024.



Workshop by Mr. V. Venkata Sai



- VNR Connect – An **online Awareness session on “Foreign Admissions”** was coordinated by **Dr. D. Kanthi Sudha**, Assistant Professor & Coordinator Admissions & **Mr. C. Kaushik**, Assistant Professor & Contact Person for Foreign Admissions on 20th January 2024 .
- **Session on “Field fox Microwave Analyzer”** by **Mr Ram Kumar**, Sales Executive, & **Mr. Mahindar**, Application Engineer, Synergy Technologies was conducted for staff members on 22nd January 2024.



Session by Mr. Ram Kumar & Mr. Mahindar

Self-discipline is the ability to make yourself do what you should do, when you should do it, whether you feel like it or not.

– Elbert Hubbard



Interaction with Mr. Surya Sankar Dan with VLSI SIG faculty

- **Interaction session** on “**Insights about the quantity publications in IEEE Transactions on Election Devices, IEEE Electronics Device letters, ACS transactions**” by **Mr. Surya Sankar Dan**, Professor, BITS, Hyderabad with VLSI SIG faculty was conducted on 03rd February 2024.



VLSI Training Introduction program by Dr.Vishal & Dr. Ramarao

- “**VLSI Training Introduction Program**” was conducted by **Dr.Vishal**, Director & **Dr. Ramarao**, Sumedha IT Services for III B.Tech. students on 5th February 2024.



Guest Lecture by Mr. S. Sudhir Kumar

- **Guest Lecture** on “**Advancements in Technologies and Applications useful for government sector**” by **Mr. S. Sudhir Kumar**, Principal Engineer/Manager, Qualcomm, was conducted for **I B.Tech.** students on 9th February 2024.



Orientation program on “5G course” by Mr. Korra Raja

- **Orientation** program on “**5G course**” by **Mr. Korra Raja**, DADB, German Academy of Digital Education for III B. Tech. students was organized on 23rd February 2024.
- **Guest Lecture** on “**Cadence Orcad and Allegro (Medical Device Manufacturing)**” was carried out by **Ms. A. Sindhu**, Senior Design Engineer & alumni of VNRVJIET on 1st March 2024.



Guest Lecture by Ms. A. Sindhu



Guest Lecture by Mr. Kaushik Bhatnagar

- **Guest Lecture** on “**English Proficiency Test in Overseas Education**” by **Mr. Kaushik**, Trainer for IELTS, PTE, Duolingo, TOFEL, Cambridge English, Hyderabad was held for IV B.Tech. students on 02nd March 2024.

- **FDP** on “**Recent Trends and Challenges in the Field of Embedded Systems**” was organized from 11th to 15th March 2024.



FDP on “Recent Trends and Challenges in the Field of Embedded Systems”



FDP on “Exploring The Cutting-Edge Developments in VLSI Design”



- **FDP** on “**Emerging Trends and Challenges in Communication and Computational Technologies (5G/6G)**” was organized from 18th to 22nd March 2024.



FDP on “Emerging Trends and Challenges in Communication and Computational Technologies (5G/6G)”



Demo session by Dr. Pradeep Kumar

- **Demo session** on “**Artix 7 FPGA Development Board**” was executed by **Dr. Pradeep Kumar**, from Apply volt on 30th March 2024.

Events Attended

- **Dr. K. B. Archana**, Senior Assistant Professor attended **workshop** on “**Innovative Differentiable Practices for New Age Engineering Education**” at International Conference on Transformations in Engineering Education (**ICTIEE 2024**) held in KLE Technological University, Hubballi, Karnataka from 2nd to 4th January 2024.
- **Ms. G. Sahitya**, Assistant Professor attended **FDP** on “**Generative AI Transform Education and Research**” organized by BVRITH College of Engineering for Women from 8th to 13th January 2024.
- **Dr. Ch. Anil Kumar**, Assistant Professor, **Dr. T. Srinivas**, Assistant Professor, **Dr. R. Sravanth Kumar**, Assistant Professor, **Mr. T. Chiranjeevi**, Assistant Professor, **Ms. A. Pravallika**, Assistant Professor and **Ms. M. Bhagyarakshmi**, Assistant Professor attended **FDP** on **Exploring Data Structures in Practice** organized by the Department of CSE and CSBS, VNR VJIET from 19th to 31st January 2024.
- **Dr. A. Ramesh Kumar**, Associate Professor, **Dr. G. Shanthi**, Assistant Professor, **Dr. V. Priyanka**, Assistant Professor, **Dr. Ch Ganesh**, Assistant Professor, **Ms. S. Naga leela**, Assistant Professor & **Mr. V. Pradeep Kumar**, Assistant Professor attended **FDP** on “**Fundamentals of Chip Designing**” organized by DR. D. Y. Patil Institute of Technology Pune from 22nd to 27th January 2024.
- **Ms. S. Naga Leela**, Assistant Professor and **Mr. J. V. A. Bala Krishna**, Assistant Professor attended **workshop** on “**Storytelling as a Teaching Learning Tool**” by **Prof Mike Wilson**, Head, Dept of Storytelling Academy, Loughborough University, UK from 24th to 25th January 2024.

Self-discipline starts with the mastery of your thoughts. If you don't control what you think, you can't control what you do.

– Napoleon Hill

- **Mr. C. Kaushik**, Assistant Professor & **Dr. N. Subash**, Assistant Professor attended **FDP** on "**Data Visualization**" organized by Department of CSE (CyS, DS) and AI&DS, VNRVJIET from 29th January 2024 to 3rd February 2024.
- **Ms. K. Jyostna**, Assistant Professor and **Ms. M. Rama Devi**, Assistant Professor attended the **National Symposium** on "**5G Communications and Beyond**" organized by Geethanjali College of Engineering and Technology from 2nd to 3rd February 2024.
- **Ms. A. Sireesha**, Assistant Professor attended **FDP** on "**Microsoft Power BI Data Analyst Associate**" from 5th to 9th February 2024.
- **Mr. V. Naveen Kumar**, Assistant Professor, **Mr. C. Kaushik**, Assistant Professor, **Ms. A. Pravalika**, Assistant Professor & **Dr. N. Subash**, Assistant Professor attended a one-week Professional Development Program (PDP) on "**Data Science Mastery**" organized by Department of CSE (CyS, DS) and AI&DS, VNRVJIET from 5th to 10th February 2024.
- **Dr. G. Shanthi**, Assistant Professor & **Ms. S. Naga Leela**, Assistant Professor attended **workshop** on "**VLSI RTL Design & Verification Using Synopsys Tool**" organized by VLSIGURU from 05th to 07th February 2024.
- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. P. Kishore**, Associate Professor, **Dr. G. Vijay Kumar**, Assistant Professor, **Dr. K. Kalyan Srinivas**, Assistant Professor **visited Sai Sharan Technologies**, Balapur, Hyderabad to know the possible collaboration, in terms of student internships and consultancy projects.
- **Dr. N. Dhanalakshmi**, Associate Professor, **Ms. G. Sahitya**, Assistant Professor, **Ms. M. Haritha**, Assistant Professor, **Mr. D. Ramesh Reddy**, Assistant Professor, **Mr. B. B. Shabarinath**, Assistant Professor, **Mr. J. V. A. Bala Krishna**, Assistant Professor, **Dr. D. Santhosh Kumar**, Assistant Professor, **Mr. C. Kaushik**, Assistant Professor, **Ms. A. Sireesha**, Assistant Professor, **Ms. A. Pravallika**, Assistant Professor & **Mr. R. Ravi Kumar**, Assistant Professor attended **FDP** on "**Recent Trends and Challenges in the Field of Embedded Systems**" from 11th to 15th March 2024.
- **Dr. K. B. Archana**, Sr. Assistant Professor, **Dr. Y. Chalapathi Rao**, Associate Professor, **Dr. D. Kanthi Sudha**, Assistant Professor, **Dr. K. Jyostna**, Assistant Professor, **Dr. K. Kalyana Srinivas**, Assistant Professor, **Ms. K. Deepthi**, Assistant Professor, **Ms. K. Sangeetha**, Assistant Professor, **Ms. G. Ramya**, Assistant Professor, **Mr. P. Suresh Babu**, Assistant Professor, **Ms. M. Rama Devi**, Assistant Professor, **Ms. Y. Manasa** Assistant Professor, **Ms. B. Alekhya**, Assistant Professor, **Ms. M. Bhagya Lakshmi**, Assistant Professor, **Mr. T. Chiranjeevi**, Assistant Professor & **Mr. T. Aditya Kumar**, Assistant Professor attended **FDP** on "**Recent Trends and Challenges in the field of Embedded Systems**" organized by Department of ECE, VNRVJIET in association with IEEE Sensors Council of VNRVJIET and IoT Club VNRVJIET Hyderabad from 11th to 15th March 2024.
- **Dr. G. Shanthi**, Assistant Professor & **Dr. A. Sai Kumar**, Assistant Professor attended a **workshop** on "**Training on Memristor Based Neuromorphic Computation**" organized by CASEST, School of Physics, University of Hyderabad in collaboration with AI Chip Center, School of Electronic Systems and Automation Digital University, Kerala from 15th to 16th March 2024.

Always Remember to take your Vitamins: Take your Vitamin A for ACTION, Vitamin B for Belief, Vitamin C for Confidence, Vitamin D for Discipline, Vitamin E for Enthusiasm!!

— Pablo

- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. A. Ramesh Kumar**, Associate Professor, **Dr. P. Kishore**, Associate Professor, **Dr. V. Priyanka**, Assistant Professor, **Ms. L. Dharma Teja**, Assistant Professor, **Dr. J. L. V. Ramana Kumari**, Assistant Professor, **Dr. G. Shanthi**, Assistant Professor, **Dr. Ch. Ganesh**, Assistant Professor, **Ms. S. Naga Leela**, Assistant Professor, **Mr. E. Vijaya Babu**, Assistant Professor, **Ms. Y. Sri Rama**, Assistant Professor, **Mr. Shaik Shoukath Vali**, Assistant Professor, **Dr. A. Sai Kumar**, Assistant Professor & **Dr. Y. Chalapathi Rao**, Associate Professor, Assistant Professor attended **FDP** on “**Exploring The Cutting-Edge Developments in VLSI DESIGN**” from 18th to 22nd March 2024
- **Dr. K. B. Archana**, Assistant Professor, **Dr. D. Kanthi Sudha**, Assistant Professor, **Ms. M. Ramadevi**, Assistant Professor, **Mr. G. Kiran Kumar**, Assistant Professor & **Mr. R. Ravi Kumar**, Assistant Professor attended **seminar** on “**Wireless Technology**” organized by Keysight Technologies on 21st March 2024.
- **Dr. S. Rajendra Prasad**, Professor & Head, **Dr. K. B. Archana**, Sr. Assistant Professor, **Ms. K. Deepthi**, Assistant Professor, **Ms. Y. Manasa**, Assistant Professor & **Mr. G. Kiran Kumar**, Assistant Professor attended **online demo session** on “**5G Toolkit: An important tool for Teaching, Research, and Innovations in 5G and Beyond wireless technologies** “ by Giggyasa Team of IIT Madras on 23rd March 2024.

Training, Internships and Placements

Training

- III year and II year B.Tech. students were trained in coding skills and concepts of VLSI.

S.No.	Particulars of the event	Beneficiaries
1	Training Program on "Competitive Coding Skills" by Smart Interview team and Being Zero.	III B.Tech. students
2	Training Program on "Competitive Coding Skills" by Smart Interview Teams and VLSI Training by Sumedha IT	II B.Tech. students

Internships

S.No.	Roll Number	Name of the Student	Year & Section	Name of the company providing Internship	Duration	Amount of Stipend
1.	20071A0467	Ch Sai Shanmukh	IV ECE B	Constelli Signals Private Limited	08-01-2024 to 08-07-2024	15000

Self-respect is the root of discipline: The sense of dignity grows with the ability to say no to oneself.

— Abraham Joshua Heschel

2.	21071Ao479	Puneeth Varma	III ECE B	Constelli Signals Private Limited	08-01-2024 to 08-07-2024	15000
3.	20071Ao49I	M Shiva Krishna	IV ECE B	State Street Corporation	08-01-2024 to 08-07-2024	30000
4.	20071Ao436	K. Goutham Kumar	IV ECE A	State Street Corporation	08-01-2024 to 08-07-2024	30000
5.	20071Ao4H4	U. Vamshi	IV ECE C	ZENOTI	08-01-2024 to 08-07-2024	50000
6.	20071Ao4B9	V Anirudh	IV ECE B	Darwin Box	08-01-2024 to 08-07-2024	15000
7.	20071Ao4QI	S. Raghu Teja	IV ECE D	AMAZON Development Center	22-01-2024 to 28-06-2024	50000
8.	20071Ao4E6	K. Yoshitha	IV ECE C	KORE.ai	08-01-2024 to 08-07-2024	NA
9.	20071Ao44I	NNSL Asritha	IV ECE A	Oracle India Pvt. Ltd	17-01-2024 to 12-06-2024	50000
10.	21075Ao422	J Ganesh	IV ECE D	T-Works	17-01-2024 to 17-07-2024	20000
11.	20071Ao4R1	M. Tapeshwer	IV ECE D	T-Works	10-01-2024 to 10-07-2024	20000



- During my internship, I honed my skills in QT, a versatile framework for creating GUIs, and explored executing AI models using Python. I developed interactive applications with QT's tools. This experience provided valuable insights into GUI development, AI technologies, and their integration, enhancing my software development and problem-solving skills.

-Sai Priya

Self-control is the chief element in self-respect, and self-respect is the chief element in courage.

— Thucydides

• My time at T Works - India's largest prototyping center was an incredibly rewarding experience. As an electronics intern I developed solutions to some of the most pressing problems and worked with the latest technologies. T Works provided the perfect platform to combine my academic knowledge with practical application. I had a unique opportunity to leverage my core technical skills in conjunction with soft skills like leadership and design thinking. The collaborative environment was a major highlight, working alongside experienced professionals and fellow interns from diverse backgrounds fostered invaluable learnings for me. The atmosphere of innovation, creativity and willingness to experiment were truly inspiring. This hands-on experience has given me a thorough understanding of the product development journey and has instilled in me an entrepreneurial mindset.



- Mehtab Shaik

Placements

- Placement details of B.Tech. (2019- 2023) batch up to March 2024

No. of Students placed	Highest Package (Lakhs)	Average Salary (Lakhs)
145	19.75	6.18
64.15 % of the students got placed with an average salary of 6.18 LPA		

Following are the students placed in different companies.



B. Sneetha
2007IA0465
JPMC-19.75



D. Prudhvi Raju
2007IA0470
JPMC-19.75



G. Kavya Sree
2007IA0474
JPMC-19.75



V. Swathi
2007IA04Q7
JPMC-19.75



N. N. S. L. Asritha
2007IA0441
ORACLE-19.18



S. Raghu Teja
2007IA04QI
ORACLE-19.18



Peddi Harshitha
2007IA0443
SYNOPSISYS-14.00



P. Sai Teja
2007IA0499
SYNOPSISYS-14.00



K. Vaishnavi
2007IA04No
SYNOPSISYS-14.00



U Vamshi
2007IA04H4
ZENOTI-11.47

Discipline means creating an order within you. As you are, you are a chaos.

— Osho



M. Sahaja
2007IA0438
ACCOLITE-II.00



P. Deekshita
2007IA04P5
ACCOLITE-II.00



D. Varun Teja
2007IA0469
TCS – PRIME – 09.00



K. Gautham Kumar
2007IA0436
STATE STREET – 8.60



M. Shiva Krishna
2007IA0491
STATE STREET – 8.60



A. Aishwarya
2007IA0402
DELOITTE-
CONSULTING – 7.60



K. Neha
2007IA0428
DELOITTE-
CONSULTING – 7.60



K. Sailaja
2007IA0432
DELOITTE-
CONSULTING – 07.60



M. Spoorthi
2007IA0452
DELOITTE-
CONSULTING – 7.60



A. Ramya
2007IA0463
DELOITTE-
CONSULTING – 7.60



M. Ashritha
2007IA0492
DELOITTE-
CONSULTING – 7.60



Y. Sai Vineela
2007IA04A8
DELOITTE-
CONSULTING – 7.60



M. Abhinya
2007IA04F3
DELOITTE-
CONSULTING – 7.60



N. Harika
2007IA04F9
DELOITTE-
CONSULTING – 7.60



K. Bhavani
2007IA04M6
DELOITTE-
CONSULTING – 7.60



K. Meghana
2007IA04N4
DELOITTE-
CONSULTING – 7.60



V.V. Srikar
2007IA04Q4
DELOITTE-
CONSULTING – 7.60



N. Ashwini
21075A0402
DELOITTE-
CONSULTING – 7.60



B. Akash
21075A0413
DELOITTE-
CONSULTING – 7.60



S. Swetha
21075A0418
DELOITTE-
CONSULTING – 7.60

Professional Society Activities



A team of ECE faculty who participated in the Rangoli competition

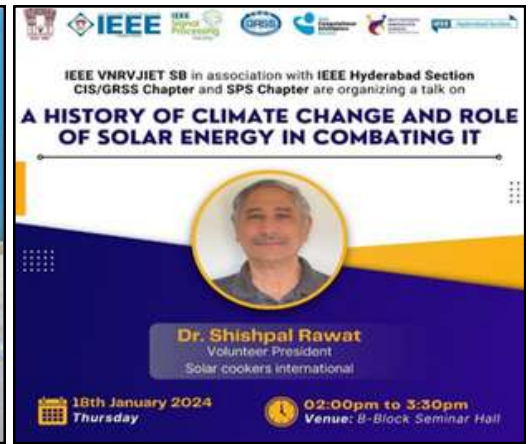
- **IEEE VNRVJIET Student Branch** organized “**Rangoli Competition**” for faculty, students and staffs on 11th January 2024.

A disciplined mind leads to happiness, and an undisciplined mind leads to suffering.

— Dalai Lama XIV



Participants of Rangoli Competition



- **IEEE VNRVJIET Student Branch** in association with IEEE Hyderabad Section CIS/GRSS Chapter and SPS Chapter organized a talk on "**A History of Climate Change and Role of Solar Energy in Combating IT**" by Mr Dr. Shishpal Rawat, Volunteer President, Solar Cookers International on 18th January 2024.



Felicitating Dr. Shishpal Rawat



Participants of the talk

- **IEEE VNRVJIET Student Branch** in association with IEEE SPS Hyderabad Section and Department of ECE organized a seminar on "**From Theory to Practice: Real World Applications of ECE**" by Mr. S. Sudhir Kumar, Principal Engineer / Manager, Qualcomm for B.Tech. Students on 09th February 2024.



Felicitating Mr. S. Sudhir Kumar



Seminar by Mr. S. Sudhir Kumar

- **FDP** on "**Recent Trends and Challenges in Deep Learning for Advancing Computer Vision**" organized by Department of ECE in association with **IEEE Signal Processing Society Student Chapter** of VNRVJIET from 26th February 2024 to 01st March 2024.



Dr. S. Rajendra Prasad addressing the gathering



Welcome Address by Dr. Ranjan Kumar Senapati

A mode of conduct, a standard of courage, discipline, fortitude and integrity can do a great deal to make a woman beautiful.

— Jacqueline Bisset

- **IEEE VNRVJIET Student Branch** in association with **SPS, IEEE Hyderabad** section organized a talk on “**Improved Parameter Estimation of Target Parameters in a MIMO-OFDM Dual Function Radar Communication (DFRC) system**” by **Dr. K. V.S. Hari**, Director Centre for Brain Research, Professor, ECE, Indian Institute of Science, Bangalore on 02nd March 2024.



Talk by Dr. K.V.S. Hari

- **Workshop** on “**System Desing using Verilog HDL**” by **Dr. Avinash Yadlapati**, Senior Engineer Manager, Intel, Malaysia organized by SILICONX-VLSI Club in association with Department of ECE & VNR IEEE CASS Student Chapter on 06th to 07th March 2024.



Participants of the workshop

- **IEEE VNRVJIET Student Branch** and Department of ECE in association with **CASS, SPS IEEE Hyderabad Section** organized a Hybrid session on “**Introduction to AI Accelerators**” by **Mr. K. Ramakrishna Reddy**, Emulation Engineer, INTEL Technologies, Bengaluru on 23rd March 2023.



Students attending session by Mr. K. Ramakrishna Reddy

PhD Awarded

- **Dr. J. L.V. Ramana Kumari**, Assistant Professor was awarded Ph.D. by JNTUH for the thesis “**Neighborhood Pattern Sensitive Fault Detection Techniques in RAM using Built In Self Test**” under the guidance of **Dr. M. Asha Rani**, Professor, ECE, JNTUH & **Dr. N. Balaji**, Professor, ECE, JNTUK on 05th January 2024.



Dr. J. L.V. Ramana Kumari receiving her PhD degree

True discipline is really just self-remembering; no forcing or fighting is necessary.

- **Ms. Ch. Raja Kumari**, Assistant Professor successfully completed Ph.D. viva-voce titled “**Analysis of Low Probability of Intercept Radar Signals**” at KL University under the guidance of **Dr. K. Hari Kishore**, Professor, ECE, KLEF on 08th January 2024.



Ms. Ch. Raja Kumari on her Ph.D viva-voce



Mr. Ch. Ganesh on his Ph.D viva-voce

- **Mr. Ch. Ganesh**, Assistant Professor successfully completed Ph.D. viva-voce titled “**A Novel Design of Build-In Self-Read and Write Assist IoT SRAM Cell with Offset Suppression Based Sense Amplifier**” at KL University under the guidance of **Dr. Fazal Noor Basha**, Associate Professor, KL University on 12th January 2024.

- **Mr. V. Pradeep Kumar**, Assistant Professor successfully completed Ph.D. viva-voce titled “**Simulation and Modelling of 2D Material FET Transistor for Low power and Bio-Sensing Applications**” at Vellore Institute of Technology, Andhra Pradesh (VIT-AP) under the guidance of **Dr. Deepak Kumar Panda**, Associate Professor, ECE, Amrita Vishwa Vidyapeetham University, Amaravati, Andhra Pradesh on 30th January 2024.



Mr. V. Pradeep Kumar on his Ph.D viva-voce



Dr. T. Srinivas receiving his Ph.D. degree

- **Dr. T. Srinivas**, Assistant Professor was awarded Ph.D. by Lovely Professional University for the thesis “**Detection of Plant Leaf Diseases in Black gram Crop**” under the guidance of **Dr. Kirti Rawal** and under the co-supervision of **Dr. Gaura** on 25th February 2023.

- **Ms. K. Jyostna**, Assistant Professor successfully completed Ph.D. viva-voce titled “**Improved Sensing performance in Cognitive Radio enabled Vehicular Adhoc Networks using Learning Techniques**” at Jawaharlal Nehru Technological University Hyderabad (JNTUH) under guidance of **Late. Dr. B N Bhandari**, Professor, ECE, JNTUH on 22nd March 2024.



Ms. K. Jyostna after her Ph.D viva-voce

Research and Development Activities

Project Sanctioned

- **Mr. D. Ramesh Reddy**, Assistant Professor was sanctioned with a project titled “**Design and Fabrication of an Automated System to Roll Towel Test for seed germination using the Internet of Things**” by MSME Idea Hackathon 3.0 (Incubation Component of MSME Innovative Scheme) for an amount of 15 Lakhs for a duration of one year on 12th March 2024.

True discipline is really just self-remembering; no forcing or fighting is necessary.

Patent Granted

- **Dr. V. Krishna Sree**, Associate Professor, **Ms. G. Sahitya**, Assistant Professor, **Dr. A. Ramesh Kumar**, Associate Professor, **Mr. P. Suresh Babu**, Assistant Professor & **Ms. A. Sireesha**, Assistant Professor received a design patent, Design Number: 6350032 titled “**Proximity Sensor Device to Avoid Obstacles in Driverless Car**” on 08th March 2024.

Journals/ Conferences/ Book Chapters

Number of Conferences: 7

Number of Journals: 9

S.No.	Name of the Faculty	Title of the paper	Conference/Journal
1.	Dr. Santosh Kumar Assistant Professor	Impact of Sn-doping on the optoelectronic properties of zinc oxide crystal: DFT approach	PLoS ONE. Published on 02nd January 2024.
2.	Mr. S. K. Sharif Associate Professor	Lung Disease Identification Using Chest Scans	Journal of Current Research in Engineering and Science, Volume 7, Issue 1, January 2024.
3.	Dr. A. Sai Kumar Assistant Professor	Design and Investigation of the 22 nm FinFET Based Dynamic Latched Comparator for Low Power Applications	Transactions on Electrical and Electronic Materials, Vol. 25, pp. 218-231, 2024. Published on 20th January 2024.
4.	Dr. A. Sai Kumar Assistant Professor	Evaluating the effectiveness of Bat optimization in an adaptive and energy-efficient network-on-chip routing framework	Journal of Parallel and Distributed Computing, Vol. 188, February 2024. Published on 05th February 2024.
5.	Dr. Y. Padma Sai Professor & Dean Students Progression	IEEE Summer School on Nanotechnology	IEEE Nanotechnology Magazine vol. 18, no. 1, pp. 6-11, Feb. 2024. Published on 26th February 2024.

We must do our work for its own sake, not for fortune or attention or applause.

— Steven Pressfield

6.	Mr. T. Srinivas Assistant Professor	The Hybrid Model of LSB— Technique in Image Steganography Using AES and RSA Algorithms	International Conference on Soft Computing and Signal Processing (ICSCSP-2023) on 22nd June 2023, organized by MRCET. Published on 17th February 2024.
7.	Mr. T. Srinivas Assistant Professor	Early Disease Classification of Mango Leaves Using Neural Network. Published on 22nd February 2024.	03rd International Conference on Mobile Networks and Wireless Communications (ICMNWC 2023) on 04th & 05th December 2023 organized by Sri Siddhartha Institute of Technology, Tumakuru in association with IEEE Bangalore Section.
8.	Mr. B. B Shabarinath Assistant Professor	An Improved Model With EHT For Image Forgery Detection Using MATLAB	International Journal of Applied Engineering & Technology , Vol. 6 No.1, January, 2024. Published on 01st January 2024.
9.	Dr. V. Sagar Reddy Assistant Professor	Machine Learning-Based Prediction of Cardiovascular Diseases Using Flask	International Conference on Soft Computing and Signal Processing (ICSCSP 2023), Hyderabad on June 2023. Lecture Notes in Networks and Systems, vol. 840. Springer, Singapore. Published on 17th February 2024.
10.	Dr. P. Kishore Associate Professor	Design and Validation of Domino CMOS D Flip Flop at 16nm Regime. Published on 17th February 2024.	4th International Conference on Advancement in Electronics & Communication Engineering (AECE-2023) from 23rd to 24th November 2023 organized by RKGIT, Ghaziabad.
11.	Ms. M. Haritha Assistant Professor	Sequential output information based predictive control for event-triggered networked control systems	ISA Transactions Volume 147, Pages 71-78, April 2024. Published on 23rd January 2024.

True discipline is really just self-remembering; no forcing or fighting is necessary.

— Charles Eisenstein

12.	Ms. K. Sangeetha Assistant Professor	Comparative BER Analysis of 5G and Beyond 5G Modulations for High Speed Vehicular Communication	International Journal of Innovative Science and Research Technology volume 9, issue 2. February 2024. Published on 29th February 2024.
13.	Mr. E. Vijaya Babu Assistant Professor	Design and Implementation of Voltage Difference Transconductance Amplifier	3rd IEEE International Conference on Mobile Networks and Wireless Communications (ICMNWC-2023) on 04th & 05th December 2023 organized by Sri Siddhartha Institute of Technology, Tumakuru in association with IEEE Bangalore section. Published on 22nd February 2024.
14.	Mr. V Naveen Kumar Assistant Professor	Efficient Characterization of Cough Sounds Using Statistical Analysis	13th International Advanced Computing Conference (IACC-2023) on 15th & 16th December, 2023 organized by Sharad Institute of Technology, College of Engineering, Maharashtra. Published on 26th March 2024.
15.	Mr. E Vijaya Babu Assistant Professor	Performance Comparison Of Finfet-Based Energy Recovery Adder Circuits	Telecommunications and Radio Engineering 83(5): 83–94 , 2024. Published on 09th February 2024.
16.	Dr. A. Sai Kumar Assistant Professor	Design and Energy Dissipation Analysis of Full-Adder for Low Power Applications Using Reversible Logic Gates	03rd International Conference on Emerging Frontiers in Electrical and Electronic Technologies (ICEFEET-2023) from 21st to 22nd December 2023 organized by Department of Electrical Engineering, NIT Patna by IEEE Kolkata Section. Published on 13th March 2024.

True discipline is really just self-remembering; no forcing or fighting is necessary.

— Charles Eisenstein



Airport Authority of India

- Objective of the visit : To understand various units and functions involved in ensuring the smooth flow of air traffic within the airport's airspace.
- Learned the division of airspace into alpha and 4 divisions, and the use of high-frequency communication to minimize distortions. The utilization of half-duplexing ensures clear communication with pilots.
- Communication with military authorities ensures airspace security, while the meteorological department provides vital weather updates.
- Accuracy is paramount to prevent accidents, with detailed aircraft information displayed, including origin and flight status. Color-coded displays aid in distinguishing between landing and passing aircraft.
- Air transport would be unsustainable without CNS (Communication, Navigation, Surveillance) infrastructure and the radio spectrum.
- Transmitters and receivers facilitate clear communication between pilots and controllers, with records maintained for communication audits. Weather receivers enhance situational awareness, crucial for safe operations.



Discipline yourself and others won't need to.

— John Wooden

Tower Unit



ATC Flight Planning



ATC Flight Planning



INDUSTRIAL VISIT GALLERY

INDUSTRIAL VISIT GALLERY

Airport Authority of India



Airport Authority of India



Airport Authority of India



Airport Authority of India



Airport Authority of India



Upcoming Events

- IEEE Wireless Communications and Networking Conference (WCNC 2024), 21st to 24th April 2024, Dubai United Arab Emirates.
- Wireless Telecommunications Symposium (WTS 2024), 10th to 12th April 2024, San Francisco Bay Area (Oakland), CA United States.
- 20th IEEE International Conference on Factory Communication Systems (WFCS 2024), 17th to 19th April 2024, Toulouse France.
- Third Edition of International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES-2024), 26th to 28th April 2024, Delhi Technological University, Delhi.
- IEEE International Conference on Advanced Systems and Emergent Technologies (IC_ASET 2024), 27th to 29th April 2024, Hammamet, Tunisia.
- 2nd International Conference on Advancement in Computation & Computer Technologies (InCACCT) 2024, 02nd to 03rd May 2024, organized by the Department of Computer Science and Engineering, University Institute of Engineering (UIE), Chandigarh University, Gharuan, Punjab.
- International Conference on Intelligent Systems for Cybersecurity (ISCS), 03rd to 04th May 2024, The NorthCap University, Gurugram, HR.
- 02nd IEEE International Conference on Measurement, Instrumentation, Control, and Automation (ICMICA-2024), 03rd to 05th May 2024, National Institute of Technology Kurukshetra.
- IEEE International Conference on Machine Learning for Communication and Networking (ICMLCN 2024), 05th to 08th May 2024, Stockholm Sweden.
- IEEE International Symposium on Dynamic Spectrum Access Networks (DYSPAN 2024), 13th to 16th May 2024 Washington, DC United States.
- International Conference on Innovative Research in Applied Science, Engineering and Technology (IRASET 2024), 16th & 17th May 2024, Fez Morocco.
- IEEE International Symposium on Circuits and Systems (ISCAS 2024), 19th to 22nd May 2024, Singapore.
- International Conference on Computational Intelligence and Computing Applications-2024 (ICCICA24), 23rd to 24th May 2024, Panipat Institute of Engineering and Technology (PIET), Samalkha, Haryana.
- IEEE Vehicular Networking Conference (VNC 2024), 29th to 31st May 2024, Kobe, Hyogo Japan.
- 1st International Conference on Integrated Circuits, Communication, and Computing Systems (ICIC3S), 01st & 02nd June 2024 organized by Indian Institute of Information Technology Una (IIIT Una), HP.

Tech News

- ISRO marked the beginning of 2024 with a significant milestone, launching its first mission of the year. On January 1, ISRO successfully lifted off the XPOsat (X-ray Polarimeter Satellite) along with 10 other satellites from the Sriharikota spaceport, using the reliable PSLV-C58 rocket.
- On January 1, 2024, ISRO achieved a significant milestone by successfully testing a 100 W class Polymer Electrolyte Membrane Fuel Cell based Power System (FCPS) in its orbital platform, POEM3. This remarkable feat took place aboard the PSLV-C58 mission, marking a crucial step in the assessment of fuel cell technology for future space missions.
- NewSpace India Ltd (NSIL), ISRO's commercial arm, partners with SpaceX for the first time, launching communication satellite GSAT-20 in a historic collaboration.
- ISRO has been at the forefront of technological innovation, contributing significantly to various fields. One such noteworthy development is the second-generation 'Distress Alert Transmitter' (DAT-SG), a remarkable advancement in satellite communication and navigation capabilities. Operational since 2010, the DAT-SG has become a crucial tool for fishermen at sea, allowing them to send emergency messages and receive real-time acknowledgments.
- ISRO announced that it has successfully executed all experiments within the Payload Orbital Experiment for Microgravity (POEM-3) mission, which was launched as part of the PSLV-C58 mission.
- IIT Madras collaborates with Munitions India Ltd to create India's inaugural 155 Smart Ammunition, advancing defence sector indigenisation.
- ISRO is set to launch its latest meteorological satellite, INSAT-3DS, marking a significant advancement in India's space capabilities. This satellite, designed to enhance weather forecasting and disaster management, represents a culmination of rigorous testing and collaboration between ISRO and various stakeholders.
- In a pioneering leap for India's space endeavors, Vyommitra, the woman robot astronaut developed by the Indian Space Research Organisation (ISRO), is set to embark on an uncrewed mission in the third quarter of this year. The mission, named after the Sanskrit words "Vyoma" (Space) and "Mitra" (Friend), signifies a significant stride towards the ambitious Gaganyaan mission, the country's maiden manned space flight, slated for 2025.
- Nokia and the Indian Institute of Science (IISc) have united to pioneer 6G technology research and its real-world applications, with a particular focus on India. This collaboration, headquartered at Nokia's newly inaugurated 6G Lab in Bengaluru, will delve into various facets of 6G technology, from radio technologies to architecture, while integrating machine learning into the 6G air interface

Forgiveness takes intelligence, discipline, imagination, and persistence, as well as a special psychological strength, something athletes call mental toughness and

warriors call courage.

— Edward M. Hallowell

Articles

Déjà vu: Who are you?

One day, I was sitting in a bus with my mother and we both were talking about some random things. Then suddenly, a feeling hit me. A false, instantaneous sense of nostalgia – that we already had this conversation before, in the same bus, wearing the same outfits. But I know that's not possible, because it was my first time travelling in bus with my mother.

Déjà vu, French for “already seen,” is a sense of having already seen something you're currently seeing or experiencing—coupled with knowing you haven't actually seen it, which is why it catches many people so off guard and has puzzled scientists, philosophers, and mystics alike for centuries.

Déjà vu is more likely to happen to people between the ages of 15 and 25 years of age. Those who are reading this article and those who are not, I'm sure you have experienced déjà vu at least once in your life. People with more education, those who travel a lot, and people who can recall their dreams are also more likely to experience déjà vu. So, the next time you experience déjà vu, be happy, because it means you are a person with high education.



But the question is, why does déjà vu happen in the first place?

Scientific Theories: The best way to make someone a believer of a theory is to prove it scientifically. So, that's why many neuroscientists put forth many theories and here are some of my favorites.

1. Memory Mismatch Theory: According to this theory, déjà vu occurs when there is a slight overlap between the brain's short-term and long-term memory processing. This overlap creates the illusion of familiarity, even though the specific event is new.

2. Dual Processing Theory: This theory suggests that the brain processes information along two parallel pathways. Usually, these pathways work in sync, but sometimes they can become temporarily desynchronized. When one pathway processes sensory information slightly faster than the other, the brain mistakenly interprets the delayed signal as a separate, past experience, leading to the feeling of déjà vu.

3. Psychological Stress and Fatigue: Research indicates that psychological stress and fatigue can increase the likelihood of experiencing déjà vu. When the brain is under stress or extremely tired, it may process information less efficiently, leading to memory encoding and retrieval errors. This can result in the sensation of having already lived through the current moment.



The problem with patience and discipline is that it requires both of them to develop each of them.

— Thomas M. Sterner

Interesting Theories: As wonderful as science is, let's be honest – it's kind of boring. Numbers and experiments may excite Issac Newton or C. V. Raman, but not us. So that's why I brought to you, multiverse and spiritual connection.

1. Window to a Parallel Universe: Many-Worlds Interpretation, taking into account the Schrödinger's Cat Experiment, suggests that every possible outcome of a quantum event actually occurs, each in its own separate universe. In a way, every thought we put in to make a decision spawns a new, alternate reality. Déjà vu could be a fleeting moment where these parallel worlds overlap, giving us a brief, bewildering look into another version of our lives.

2. Recalling or Foreshadowing? Some say that the feeling of familiarity is the soul recalling experiences from its previous incarnations, but it makes me wonder, how does me walking through a robot store relate to my soul fighting in a war in 1777? Well, moving on, others suggest that déjà vu indicates an ability to foreshadow future events. Now wait a minute. I got a handful of déjà vu experiences and I still can't see the question paper of my tomorrow's semester exam! Is there something am I doing wrong?



Leave the theories behind, the point is - don't whack your brain about déjà vu. Some say that it's due to stress or a kind of neurological problem but let's not forget that it just lasts for a few seconds. Why worry about it? Okay, maybe you should start worrying and take a good care of your health.

But what I want to say is, embrace the phenomenon! Get into delusions about the mystery behind déjà vu! Disconnect from the harsh reality! Allow yourself to be captivated by the possibility that, in that moment, you're touching something beyond the ordinary! I mean. isn't that the reason why you are reading this article in the first place?

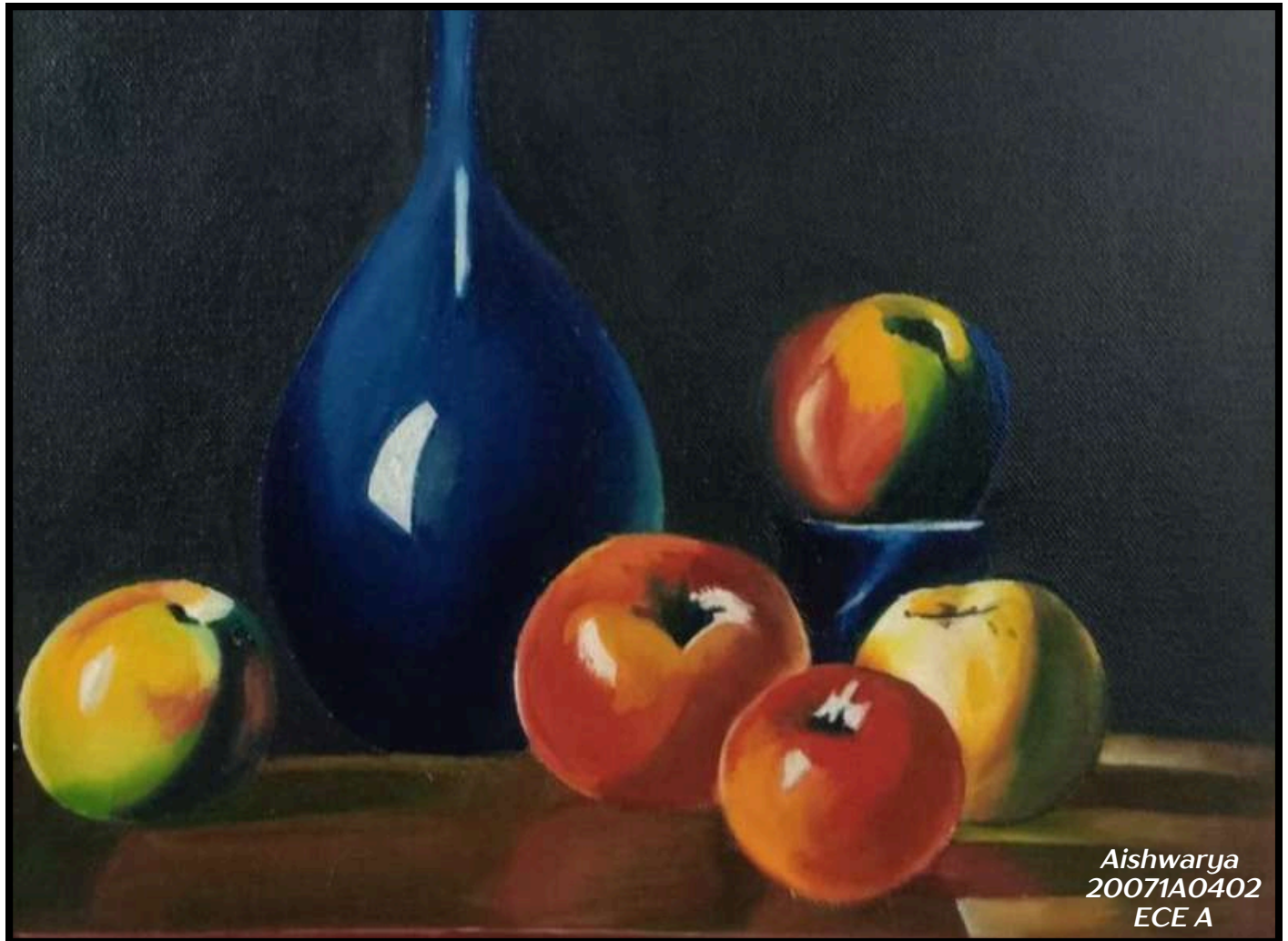
~ Naga Sree Lekha
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Once you bid farewell to discipline you say goodbye to success.

— Alex Ferguson

Creative
Corner



Aishwarya
20071A0402
ECE A

The one thing that advances a society is not technology or so-called development; its love - that one principle.

కన్నీళ్ళెందుకొస్తాయంటే

కన్నీళ్ళెందుకొస్తాయంటే

కన్నీళ్ళెందుకొస్తాయంటే

కష్టాలు కలిగినప్పుడే కాదు

బాధలు అనుభవించినప్పుడే కాదు

ఇతరులు ఊరికే కసిరి తిట్టినప్పుడే కాదు

అవతలివారు చీటికీ మాటికీ అరచి కోపగించుకున్నప్పుడే కాదు

కన్నీళ్ళెందుకొస్తాయంటే

బడికి వెళ్లాల్సిన పిల్లాడు ఆబడి దగ్గరే తినుబండారాలు అమ్ముతూ కనబడితే చదువుకున్న తెలివైన కొడుకు శ్రమ పడకుండా సోమరిపోతులా తిరుగుతుంటే కాటికి వెళ్లే ముందే తల్లితండ్రుల్ని కన్నకొడుకులు ఇంటినుండి తరిమేస్తుంటే కళ్ళముందే ఎదుటి మనిషిని ఇంకో మనిషి అకారణంగా బాధ పెడుతుంటే

కన్నీళ్ళెందుకొస్తాయంటే ...

లేగదూడ నిరంతరాయ వర్షపు ధారకి తడుస్తూ చలికి వణికిపోతున్నా

పుండుతో బాధపడుతున్న, కాలు కదల్చలేని ఎద్దుని అదే పనిగా కొడుతున్నా

జ్వరం వచ్చి గుడి మెట్లపై ముడుచుకుని పడుకున్న ముష్టివాడు బేలగా మన వైపు చూస్తున్నా

కన్నీళ్ళెందుకొస్తాయంటే ...

ఎదుటివారి కష్టాలు మన కష్టాలకన్నా పెద్దవైనా

అవతలివారు మన తప్పును మన్నించి ప్రేమతో దగ్గరకు తీసుకుని క్షమించినా

ఏకష్టమొచ్చినా నేనున్నానంటూ ఓదార్పునిస్తూ భుజం తట్టి మనల్ని నడిపించినా...

- పోపూరి సురేష్ బాబు



Discipline is what you must have to resist the lure of excuses

— Brian Tracy

To solve or not to?



RULES

- 1 The words in the top left half of the wing are written from left to right.
- 2 The words in the top right half of the wing are written from right to left.
- 3 The words in the bottom left half of the wing are written vertically in top to bottom way.
- 4 The words in the bottom right half of the wing are written vertically in top to bottom way.

Puzzle created by :
 B. Sandeep
 22071A04D3
 ECE C



QUESTIONS

- 1 A semiconductor device used to amplify or switch electronic signals and Electrical power.
- 2 Device that converts digital signals for transmission over telephone lines.
- 3 A device used to covert digital signalsand vice versa in Communication systems.
- 4 The basic element of digital circuits that stores binary information.
- 5 The study of how data is transmitted in networks, includingthe internet.
- 6 The process of converting digitalsignals back into their original analog Form.
- 7 A device that allows only certain frequencies to pass while attenuating Others.
- 8 A transmission line designedto transmit radio frequency signals with Minimal loss.

Answers to the puzzles of the previous issue.
 1. Henry, 2. Karnaugh, 3. Zener,4. Poles, 5. Susceptance, 6.Modulation, 7.Tellegens, 8. i. Multiplexers

Those who have nothing have only their discipline.
 — Alain Badiou

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