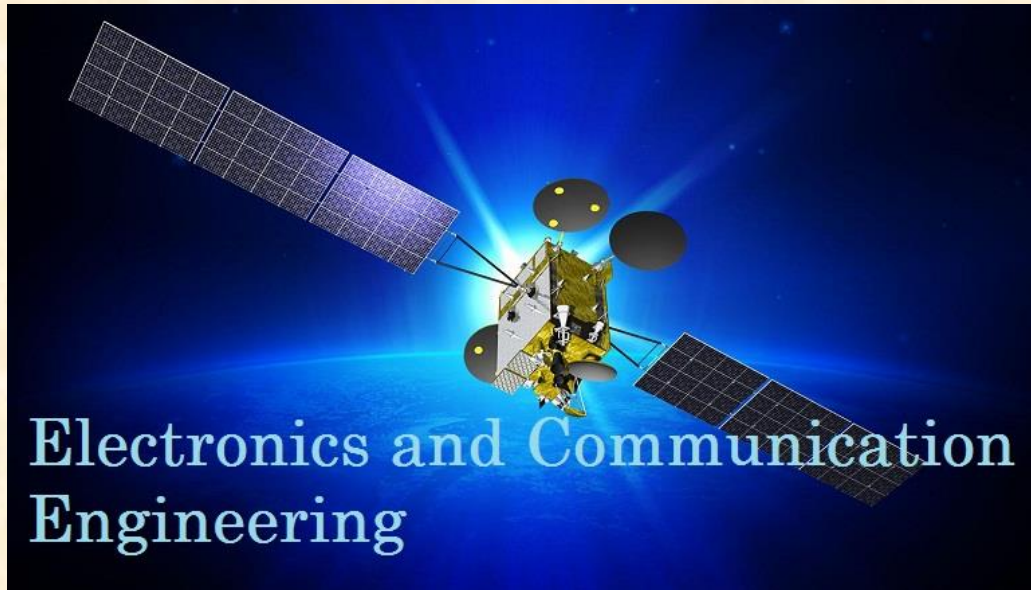




# SRI VASAVI ENGINEERING COLLEGE (AUTONOMOUS)

Approved by AICTE, New Delhi, Accredited by NAAC & NBA with 'A' Grade  
DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING



*Electro Nivedika*

- Voice of ECE

*December*

*May*

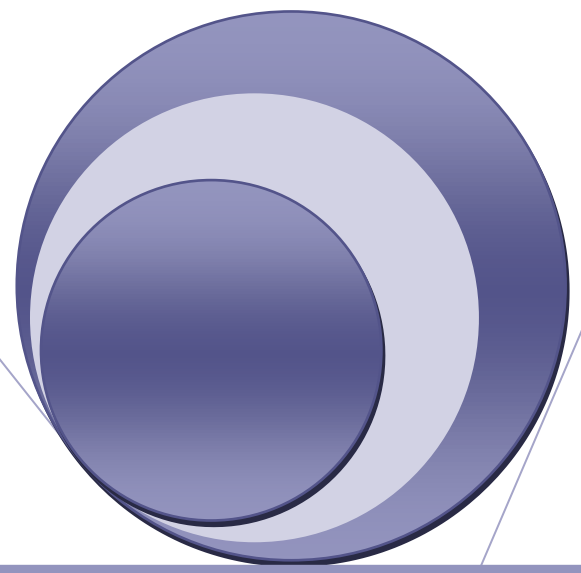
**2022-23**

*Student Co-ordinators*  
*Mohini Durga(20A81A1422)*  
*Manjusha (20A81A1425)*

*Faculty Editor*  
*Y.Y.S. Manogna*  
*Asst.Professor*

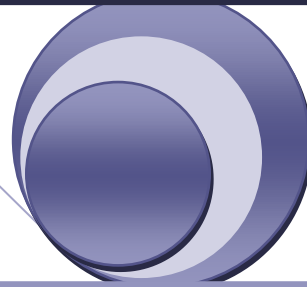
*Chief Editor*  
*Dr.E.Kusuma Kumari*  
*HOD.ECE*

**VOLUME-9**  
**ISSUE-2**



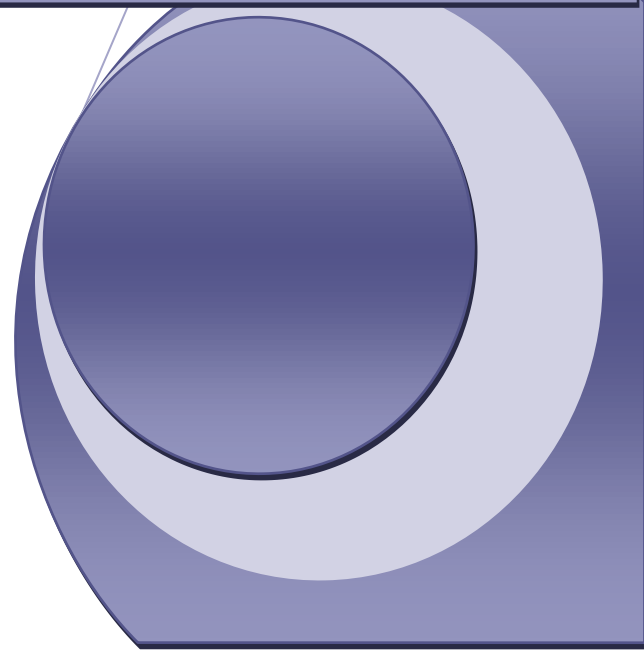
## **Vision**

To develop the department into a centre of excellence and produce high quality, technically competent and responsible Electronics and communication engineers



## **Mission**

- To create a learner centric environment that promotes the intellectual growth of the students.
- To develop linkages with R & D organizations and educational Institutions for excellence in teaching, learning and consultancy Practices.
- To build the student community with high ethical standards.



## Events Conducted in the Department

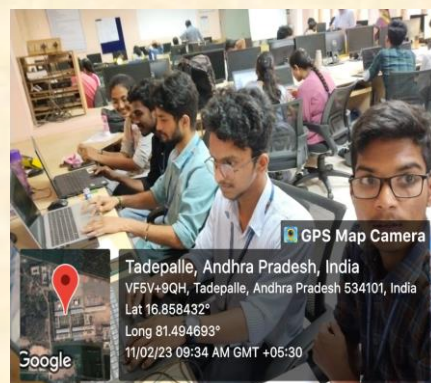
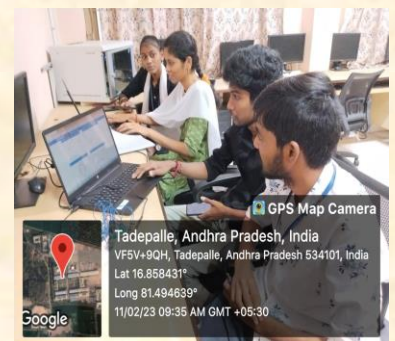
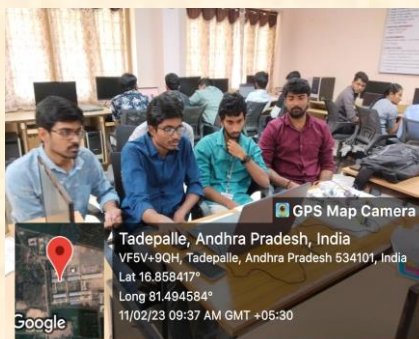


- 30 Members of Our ECE Department SPACE CLUB members have visited "**ElectroPro- E-Waste Refurbishing Centre**" Razole, East Godavari District, and Andhra Pradesh. This Industrial Visit Program was organized under AICTE Sponsored SPICES Scheme on **7th December 2022**. One faculty coordinator was also accompanied the students.
- A Two Day's Workshop on the topic "**Design and Analysis of Antenna using CST microwave studio software tool**" conducted on **24th & 25th Jan 2023** by **Mr.M.Vinod Kumar**.
- A Two Day's Workshop on **Interfacing with Arduino & IoT Use Cases** conducted on **8th & 9th FEB 2023** by **Mr. K.N.H Sreenivas, Mis V. Radha, Dr. T.D.N.S.S.S Rao**.
- The SPACE Club has organized One week Boot Camp Program on "**Sensor Interfacing & Cloud Computing**" under the Scheme of SPICES, Sponsored by AICTE, New Delhi. This program was conducted during 13th & 18th MAR- 2023.



## Events Conducted in the Department

### HACKTHON





## Events Conducted in the Department

### Hackthon-2k23- DETAILS OF WINNERS AND RUNNERS(09<sup>th</sup> and 10<sup>th</sup> Feb 2023):

S. No.	Batch No.	Roll Number	Name of the Student	Problem Statement given to Student	Position secured
1.	21	<b>20A81A04C2</b>	VADDI SAI PAVAN PHANEENDRA	Developing an IoT-Enabled Smart Pill Dispenser with Reminder and Notification System for all the situations like emptiness, time bound etc.	<b>1<sup>st</sup> Prize</b> <b>Rs. 6000/-</b>
2.		20A81A0485	THOTA SIDDI VINAYAKA		
3.		20A81A0467	ALLAMSETTI PUJITHA		
4.		20A81A0465	ADUSUMILLI SPOORTHY		
5.		20A81A0476	CHITTIDI HARI SIVA KRISHNA		
6.	11	<b>21A85A0410</b>	MADDAKURI VISHNU VARDHAN	Design and develop a sun tracking system using servo motor. Further, save the elevation angle of the sun with respect to ground in cloud. Also implement automatic street lights control system to minimize human effort and save power.	<b>2<sup>nd</sup> Prize</b> <b>Rs. 4000/-</b>
7.		21A85A0414	TALLURI SAI RAMA RAO		
8.		20A81A04B9	THOTA HEMA GOPI KRISHNAMMA		
9.		21A85A0412	MUTTA KARTHEEK		
10.		20A81A0480	GANDI GEETHA RAMYASRI		
11.	10	<b>20A81A0409</b>	DURGAM SIVA SAI NIKHITA	Develop a cloud controlled/switched smart crop monitoring system that takes care of any five analog input parameters like temperature, humidity, air quality, etc. measure them and upload it to the cloud for future reference.	<b>3<sup>rd</sup> Prize</b> <b>Rs. 3000/-</b>
12.		20A81A0461	EETHA VEERA NAGENDRA KUMAR		
13.		20A81A0444	PENNADA RAMESH NAGA BABU		
14.		20A81A0445	PRADHAN JAYA KRISHNA		
15.		20A81A0379	PAPPALA SAIMANI TARUN		
16.	4	<b>20A81A0213</b>	GUDAVALLI PAVAN KALYAN	IoT-Enabled Home Appliances using ESP32 Smart Plug Technology	<b>Consolation Prize 1</b> <b>Rs. 1000/-</b>
17.		21A85A0205	DONGA DURGA DILEEP		
18.		20A81A0214	KAMAVARAPU VEERA MANIKANTA		
19.		21A85A0209	KUDULLA RAMA SIVA KRISHNA		
20.		21A85A0216	PENDYALA BALAJI		
21.	1	<b>19A81A1412</b>	GANDU SURYA BHASKAR	Develop a prototype of a smart city where you can control over the traffic depending upon the density in the lane. Develop a model where the vehicle automatically turns off when a person is inebriated and informs the family members of the GPS coordinates using cloud-based messaging.	<b>Consolation Prize 2</b> <b>Rs. 1000/-</b>
22.		19A81A0565	ADDADA HARISH		
23.		20A81A0426	KOLAKALURI SIVA TEJA		
24.		20A81A0446	REVALLA KRISHNA TEJA		
25.		20A81A0407	DEVARAPALLI BHAVANI BABU		



# Electro Nivedika

-Voice of ECE



## TECH EUPHORIA



**SRI YASAVI ENGINEERING COLLEGE (AUTONOMOUS)**  
Pedatadepalli, Tadepalligudem, West Godavari, A.P.

## TECH EUPHORIA 2K23

A NATIONAL LEVEL TECHING CULTURAL AND SPORTS SYMPOSIUM

### ELECTRONICS & COMMUNICATION ENGINEERING

<b>IGNITE YOUR MINDS</b> (Hack with CMAI)	<b>MIND EYES</b> (Think Big)	<b>TECH SKETCH</b> (VLSI Stick Outs)	<b>BRAIN STORMING</b> (Tech Quiz)	<b>PROJECT EXPO</b> (Prototype Exhibition)
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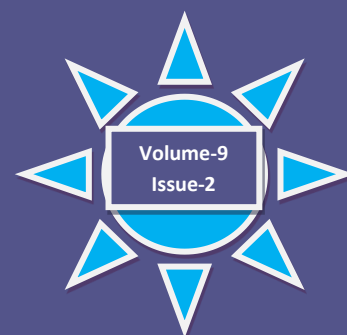
**FACULTY CO ORDINATORS**  
Dr.M.Thamaraj, 9443944575  
Dr.M.Koteswara Rao, 9490546224  
Dr.E.Kusuma Kumari, Professor & HOD

**STUDENT CO ORDINATORS**  
M.Harish, 9032133383  
V.Phani Pavan Kumar, 9030222141

**MARCH 23<sup>rd</sup> TO 25<sup>th</sup>**

For Registrations, Visit: [www.srivasaviengg.ac.in](http://www.srivasaviengg.ac.in)  
[www.techeuphoria2k23.in](http://www.techeuphoria2k23.in)





## Events Conducted in the Department

### TECH EUPHORIA 2K23 - DETAILS OF WINNERS AND RUNNERS(23<sup>rd</sup> and 24<sup>th</sup> March 2023):

Event Name- Brain Storming (Tech Quiz)					
Sl.NO	Prize	ROLL NO	Name	Year	Branch
1	I	20A85A1402	K. PADMA SAI DURGA	IV	ECE
2		20A81A0480	G.GEETHA RAMYA SRI	III	ECE
3		22A85A1404	S. BALA USHA	II	ECT
		22A85A0414	A.N.V.S.D. ANJALI	II	ECT
1	II	19A81A04D8	G.V.PAVAN KUMAR - - IV YEAR	IV	ECE
2		20A81A0406	CH. SUDHA GAYATHRI	III	ECE
3		20A81A0439	N. VIDYA JAHNAVI	III	ECE
4		21A81A0473	B. BHAVANI SANKARAM	II	ECE

Event Name- Ignite Your Minds					
Sl.NO	Prize	ROLL NO	Name	Year	Branch
1	I	19A81A0404	B. GANESH SAI	IV	ECE
2		21A81A04F0	G. PRATAP	II	ECE
1	II	20A81A0409	D. S. S. NIKITHA	III	ECE
2		20A81A0445	P. JAYA KRISHNA	III	ECE
3		20A81A0439	N. VIDYA JAHNAVI	III	ECE

Event Name- Tech Sketch					
Sl.NO	Prize	ROLL NO	Name	Year	Branch
1	I	19A81A0444	S.V.MADHAVI	IV	ECE
2		19A81A0455	V.V.N. SIVA JYOTHI	IV	ECE
1	II	20A81A0441	P. TEJASRI	III	ECE
2		20A81A04D4	CH. SARANYA	III	ECE
1	III	20A81A04H4	S. AKHILANDESWARI	III	ECE
2		20A81A04H0	R. RATNA KUMARI	III	ECE



## Events Conducted in the Department

Event Name- Mind's Eye					
S.NO	Prize	ROLL NO	Name	Year	Branch
1	I	20A81A04F5	M. VIJAYA LAKSHMI	III	ECE
2		20A81A04I0	T.D.S. VENKATA MANI	III	ECE
3		20A81A0437	M .V. S. SAI HANISHA	III	ECE
1	II	21A81A0420	K. BHAVANA	II	ECE
2		21A81A0456	S. S. K. DURGA MAHA LAKSHMI	II	ECE
3		21A81A0443	N. SIRISHA	II	ECE
1	III	20A81A04B6	D. YASASWINI	III	ECE
2		20A81A04G8	P. BHAVANA	III	ECE
3		20A81A0452	S. HEMALATHA	III	ECE
1	I	19A81A04G0	MUMMEDIVARPU AKASH	IV	ECE
2		19A81A04H1	SAPPA LAKSHMI	IV	ECE
3		19A81A04I2	VELAGALA GUBBALA VENKATA SAI AKHIL	IV	ECE
4		19A81A04G1	MUSUKUDI TIMOTHYKRUPAKAR	IV	ECE
5		19A81A04G4	PATAMSETTI PAVAN KUMAR	IV	ECE
1	II	21A81A0473	BODDU BHAVANI SANKARAM	II	ECE
2		21A81A0470	ANISETTI HEMANTH SURYA VENKATA SAI VAMSI	II	ECE
3		21A81A0486	KOVVURI CHIRU VAIBHAV REDDY	II	ECE
4		21A81A04A5	NIMIDITALLI RAJ CHARAN	II	ECE
1	III	20555A0417	CH.VENKATESH - (GIET)	III	ECE
2		20555A0419	A.AMARNATH - (GIET)		





## *Faculty Corner*

### *Faculty Publications in Journals:*

S. No	Name of the Staff Member	Title of the Paper	Name of the Journal, ISSN No., Vol. & Published year	Indexing / Impact Factor
1.	Dr.Purnima KSharma Dr.T V NL Aswini	A Kagome Crest FractalOptimized Quad-Band Antenna for Wireless Applications	Traitement du Signal (International Information &Engineering Technology Association),March 12, 2023	SCIE
2.	B Murali Krishna	Design and Implementation of Time-Frequency Distributions for Real-Time Applications UsingField Programmable Gate Array.	Journal of Circuits, Systems andComputers, Vol.31. No.21.,2250217 (2022) ISSN (online): 1793-6454	SCIE, SCOPUS, WEB OFSCIENCE Impact Factor: 1.5
3.	Dr. M.Thamarai	Smart Self Power Generating garbage Management System Using Deep Learning forSmart Cities.	Microprocessors and MicroSystems Mar-2023	SCI
4.	J. Rajendra	Design of RF Energy Harvesting Antenna forWireless Sensors and Internet of ThingsApplications.	Journal of Engineering , Computing & ArchitectureVOL:13 , Issue-04 APR-2023	Others

## Faculty Corner

### Faculty Publications in Conferences:

S. No	Name of the Staff Member	Title of the Paper	Conference
1.	Dr. SVV Satya Narayana B Murali Krishna PVV Satya Narayana M Venkata Suman	RFID Mutual Authentication Protocol for Security Concerns and Implementation on FPGA	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023.ISBN:978-93-5768-432-3,Page No.s :177-180
2.	Dr. M.Thamarai	An Improved Power Efficient Clock Pulsed D FlipFlop Using Transmission Gate	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25-2023 ISBN:978-93-5768-432-3,Page No.s :181-186
3.	Dr. T.D.N.S.S. Sarveswara Rao K.N.H. Srinivas	Deep learning-based prediction and monitoring of air quality using IoT	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023. ISBN:978-93-5768-432-3,Page No.s :187-192
4.	K.N.H. Srinivas Dr. T.DNSS.Sarveswara Rao	Home Automation using COAP Protocol	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023. ISBN:978-93-5768-432-3,Page No.:193-199
5.	Dr.M.Thamarai Kamesh Sonti P.SudheerChakravarthi	Underwater Image Enhancement using MIRNet	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023 .ISBN:978-93-5768-432-3,Page No.s :200-204
6.	Y.Y.S.Manogna V.Radha M. Koteswara Rao M. VenkataSuman	Z-based Home Automation system using IoT	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023. ISBN:978-93-5768-432-3,Page No.s :205-213
7.	Dr.E.KusumaKumari Harini Vemu Dr.Purnima k Sharma	Design of Annular ring based 3D Hexagonal MIMO Antenna with improved Isolation Techniques	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023.ISBN:978-93-5768-432-3,Page No.s :214-220
8.	Thamarai M	Underwater Image Enhancement using CNN and Image Formation Model	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023.ISBN:978-93-5768-432-3,Page No.s :221-224
9.	M Subbarao Dr. T V N L Aswini Dr.Purnima Sharma Dr.E KusumaKumari	FBMC Signal Detection Using Autocorrelation	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25 ,2023.ISBN:978-93-5768-432-3,Page No.s :225-230
10.	Dr.M.Thamarai	Survey on FPGA-Based Deep Learning Network Accelerators for Learning and Classification	Proceedings of NCDECT2023 organized by Sri Vasavi Engineering college dated on Feb 24-25, 2023.ISBN:978-93-5768-432-3,Page No.s :250-256





## Faculty Corner

### Workshops/Seminars/FDPs attended by Faculty:

S.No	Name of the Faculty	Name of the Workshop	Host institution	Date
1.	Sri G. Shankara Bhaskara Rao	Digital Image Processing		05/12/2022
2.	Smt. Y. Sujatha	Introductory UHV FDP	AICTE	30/01/2023 to 03/02/2023
3.	Dr. M.Thamarai	Introductory UHV FDP	AICTE	30/01/2023 to 03/02/2023
4.	Sri D. Venkanna Babu	Peer Reviewed model and Publication process SCI/Scopus Journals and Quality Research Proposal writing	SASI Institute of Technology	11/02/2023
5.	Dr. SVV Satyanarayana	Reviewed model and Publication process SCI/Scopus	SASI Institute of Technology	11/02/2023
6.	Sri B. Murali Krishna	GEO-DATA Processing using Python	IIRS, ISRO	16/02/2023
7.	Smt. Y. Sujatha	Peer Reviewed Publication process in SCI/Scopus Journals and Quality Research Proposal writing	SITE	11/02/2023
8.		FPGA flow and Embedded System Design	coreEL	22/02/2023
9.		IC full Custom design flow webinar using Mentor Graphics	coreEL	01/03/2023
10.	T. Sreenivasu	Universal Human Values	AICTE	10-04-2023 To 12-03-2023
11.	S.V.V Satyanarayana			
12.	P. Gopala Reddy			
13.	G.V. Subrahmanyam			
14.	P.V.V Rajesh			
15.	R.L.R Lokeshbabu			



## *Faculty Corner*

### *NPTEL Online Certification:*

S.NO	Name of the Faculty	Course
1.	M.Subba Rao	Introduction to programming in C
2.	E. Kusuma Kumari	Fundamentals of MEMO wireless communication
3.	K Pasipalana Rao	Microprocessors and Interfacing
4.	K Pasipalana Rao	Evaluation of Air Interface towards 5G
5.	P.Nagaraju	RF and Microwave networks
6.	P.V.V Rajesh	Evaluation of Air Interface towards 5G
7.	P.V.V Rajesh	Microprocessors and Interfacing
8.	M.Neelima	Evaluation of Air Interface towards 5G
9.	T.V.N.L Aswini	Signal processing techniques and its applications

### *Ph.D. Awarded:*



**Sri B. Ashok Kumar** , Assistant professor of ECE department awarded with PhD degree on “Investigations of printed antenna array using Advanced feeding Techniques for Wireless applications” in March 2023 from **Andhra University**.



# congratulations





## STUDENT CORNER

### Placement

S.No	Roll No.	Name of the Student	Company
1.	19A81A0447	THATIPARTHI SAI	FACE PREP
2.	19A81A0450	VALAVALA SAI SRI	
3.	19A81A0456	VURA KIRAN PAL	
4.	19A81A04C1	ACHYUTHA SUBHA SRI	
5.	19A81A04F7	MANTENA JAYA ANJANI	
6.	19A81A04F8	MATTAPARTHI SATHVIKA	
7.	20A85A0405	MOHAMMAD YOSUF	
8.	19A81A0496	NEERUKONDA HARI	
9.	19A81A04A0	PALAPARTHI JAYA SURYA	
10.	19A81A04A8	SIRAPARAPU MANIKANTA	
11.	19A81A04B0	SURAMPUDI SATYA SAI	
12.	19A81A04B2	TATA TEJA	
13.	19A81A04B3	TATAPUDI VENKATA	
14.	19A81A04B5	VALLEPALLI NAGA	
15.	19A81A04B9	VEMPATI PUJITHA	
16.	19A81A04C0	VIPPARLA MANI	
17.	19A81A04C3	ALLAM KETHANA	
18.	19A81A04C7	BADDILA DEEPIKA	
19.	19A81A04C9	BATHINA HIMA NAGA	
20.	19A81A04D7	GOLLAPALLI VENU	
21.	19A81A04E7	KAJA KAVYANJALI	
22.	19A81A04F7	MANTENA JAYA ANJANI	
23.	19A81A04G9	RACHURI JNANPAUL	
24.	19A81A04I2	VELAGALA GUBBALA	
25.	20A85A0410	SAMPANGI JAYASRI	
26.	20A85A0416	NADIMINTI KUSUMA	
27.	20A85A0419	RENDUCHINTALA PAVAN	
28.	19A81A0444	SATTI VENKATA MADHAVI	DELOITTE CONSULTING
29.	20A85A0410	SAMPANGI JAYASRI	
30.	19A81A0413	GURAJALA JHANSI	LEGATOHEALTH TECHNOLOGIES(CARELON)
31.	19A81A0432	NEKKALAPUDI VINEESHA	
32.	19A81A0441	REDDY SAI VANDANA	
33.	19A81A04H6	VETSA BHARATHI	UNISYS GLOBAL
34.	20A85A0409	KAVURU ANANTHA SATYA	

## STUDENT CORNER

### Placements

S.No	Roll No.	Name of the Student	Company
1.	19A81A0401	BABY SWETHA SRI VALLAMKONDA	L&T TECHNOLOGY SERVICES
2.	19A81A0403	BANDIREDDY JAYA SRI RAMA MANI	
3.	19A81A0405	CHEBROLU UMA	
4.	19A81A0412	GULLAPALLI PUSH PANJANI	
5.	19A81A0415	JAKKAMSETTI GUNASREE	
6.	19A81A0417	KAMMILA TEJA SRI	
7.	19A81A0428	METLAPALLI HARISH	
8.	19A81A0441	REDDY SAI VANDANA	
9.	19A81A0443	SAMBRANI RACHANA	
10.	19A81A0448	UDAYAGIRI CHAITANYA SRI SAI	
11.	19A81A0449	VAKACHARLA VISWESWARAO GUPTA	
12.	19A81A0450	VALAVALA SAI SRI	
13.	19A81A0456	VURA KIRAN PAL	
14.	19A81A0457	YADLAPALLI SATYA LAKSHMI VALLI	
15.	19A81A0459	YAVANA UMESH CHANDRA	
16.	19A81A0460	YECHURI SATWIKA	
17.	19A81A0463	ANDE VINAY NAGA SRI SAI CHARAN	
18.	19A81A0482	KARUMURI RAMA SUBBARAO GUPTA	
19.	19A81A0486	KURASALA LILLY PRATYUSHA	
20.	19A81A0487	MADASU VENKANNA	
21.	19A81A0488	MAHESWARAM RAGHU VINAY KUMAR	
22.	19A81A0490	MANDAPATI MAHITHA	
23.	19A81A0491	MEDISETTI AMRUTHA	
24.	19A81A0493	MYNAM BALA VARA LAKSHMI	
25.	19A81A04A4	PINISETTI CHANDRASEKHAR	
26.	19A81A04A9	SIVANGI RUPA SRAVANI	
27.	19A81A04B1	SURISETTI BANU PRAKASH	
28.	19A81A04C1	ACHYUTHA SUBHA SRI LAKSHMI	
29.	19A81A04C2	AITHAM PAVAN HARI DATTA SAI	
30.	19A81A04C6	ARIGELA MOHAN KISHORE	
31.	19A81A04D5	GANDI RAMYASRI	
32.	19A81A04D9	GUBBALA ALEKHYA	
33.	19A81A04E8	KALIDASU S V N S R VISHNU VARDHAN	
34.	19A81A04F3	KOPPISETTI SUPRAJA	



## STUDENT CORNER

### Students Participation in Extra Curricular Activities in 22-23

S. No	Event Name	Details of the Students	Position Secured
1.	Blood Donation Activity	26 members	Participated
2.	Inter collegiate Athletics Men & Women Championship 2022-23 held at Aditya Engg College, Surampalem during 2nd & 3rd Dec-2022 .4 x 100 m relay (men).	G. Prathap, II year ECE	Secured 3rd Place
3.	West Godavari District Men kabaddi team AP CM Cup 2022 State Competition.	Jaya Varma, 3rd Year ECE	Participated and represented West Godavari District AP CM Cup 2022 State Competition.
4.	Students Shuttle (Men) badminton Competition at SVEC	Meghashyam, III yr ECE	Won the First prize in Students Shuttle badminton Competition at SVEC
5.	Local Shuttle Tournament , Tadepalligudem	Meghashyam, III yr ECE	Awarded as Best Players
6.	Weight lifting and Best Physique competitions conducted at JNTUK	21A81A0416- I .Mukesh	1st Position In 140Kg Weight Lifting
7.	JNTUK, Kakinada Ball badminton (Women) team at B. S. Abdur Rehaman Crescent Institute of Science & technology, Vandalur	P. Sri Pavani, 20A81A04B0	Participated in JNTUK, Kakinada Ball badminton ( Women) team during 27-01-2023 to 30-01-2023

# CONGRATULATIONS

