



ELECTRONICS AND
COMMUNICATION
ENGINEERING

MAGAZINE

2021-2022

lendi

DEPARTMENT OF
ECE

An Autonomous Institution
Approved by AICTE & Permanently
Affiliated to JNTUK, Kakinada
Accredited by NAAC with "A" Grade
Jonada (Village), Denkada (Mandal),
Vizianagaram Dist - 535-005



PHONE NO. 08922-241111, 241112

WWW.LENDI.ORG



VISION

Emerge as a Centre of Eminence in Electronics and Communication Engineering to impart quality education towards highly skilled and competent engineers.

MISSION

- »» Offering an inspiring and conducive learning environment to prepare skilled and competent engineers.
- »» Providing practical skills and project based education for meeting the growing challenges of industry.
- »» Arranging a unique environment towards entrepreneurship by fostering innovation, creativity, freedom and empowerment.
- »» Imparting professional behaviour, strong ethical values, innovative research capabilities and leadership abilities.



VISION OF INSTITUTE

Producing globally competent and quality technocrats with human values for the holistic needs of industry and society.



MISSION OF THE INSTITUTE

Creating an outstanding infrastructure and platform for enhancement of skills, knowledge and behaviour of students towards employment and higher studies.

» Providing a healthy environment for research, development and entrepreneurship, to meet the expectations of industry and society.

HEAD OF THE DEPARTMENT (ECE) MESSAGE



With immense pleasure and contentment I wanted to inform that the students of Lendi Institute of Engineering and Technology has stepped forward to shape an organization, "DHRUVA" to unite the ingenious and inquisitive minds of the college to share, learn and impart the latest developments in the field of Electronics and Communication Engineering.

DHRUVA is not only a repository of knowledge but also a supreme guidance for the students who are keen and enthusiastic and wanted to continue their research in the field of Electronics and Communication Engineering. I specially thank my team including faculty members and the students who shouldered to form such organization.

DHRUVA, an abode of education will nurture in developing the young minds in terms of practical knowledge, wisdom and intelligence.

Skill Development Training Activities and MOU's to Enhance the Students Employability.

Students are vigorously trained in Analog & Digital circuit domain at VLSI Design Laboratory for being placed in Siliconous Fervetz Technologies.

Students are extensively trained on Design and Development of Prototype Electronic Projects at IoT & Project laboratory for being placed in Servomedha Efectronics, VEDAIIIT, ZenQ.

Students are extensively trained to design different antennas suiting various applications using MATLAB and HFSS antenna software for being placed in Master PCB Tech private limited.

Students are trained on different software Programming Languages for being placed in Infosys, TCS, Cognizant (CTS), Tech Mahindra, NTT Data and other software companies.

Students are regularly deputed to industries for internship programs in 4th, 6th and 7th semesters to work in different projects.

Students of ECE are being trained on IoT and Python courses by CM Skill Development centre of APSSDC on campus- for being placed in Efectronics, Pinnacle Nanotech India pvt Ltd Etc.

Students are specially trained in aptitude, logical reasoning, Verbal Communication and vocabulary skills as a part of the Campus Recruitment Training activities.

Students can utilise the on campus English Communication Lab to focus on competitive exams like TOFEL, GRE, and IELTS etc.

CHAIRMAN'S MESSAGE:



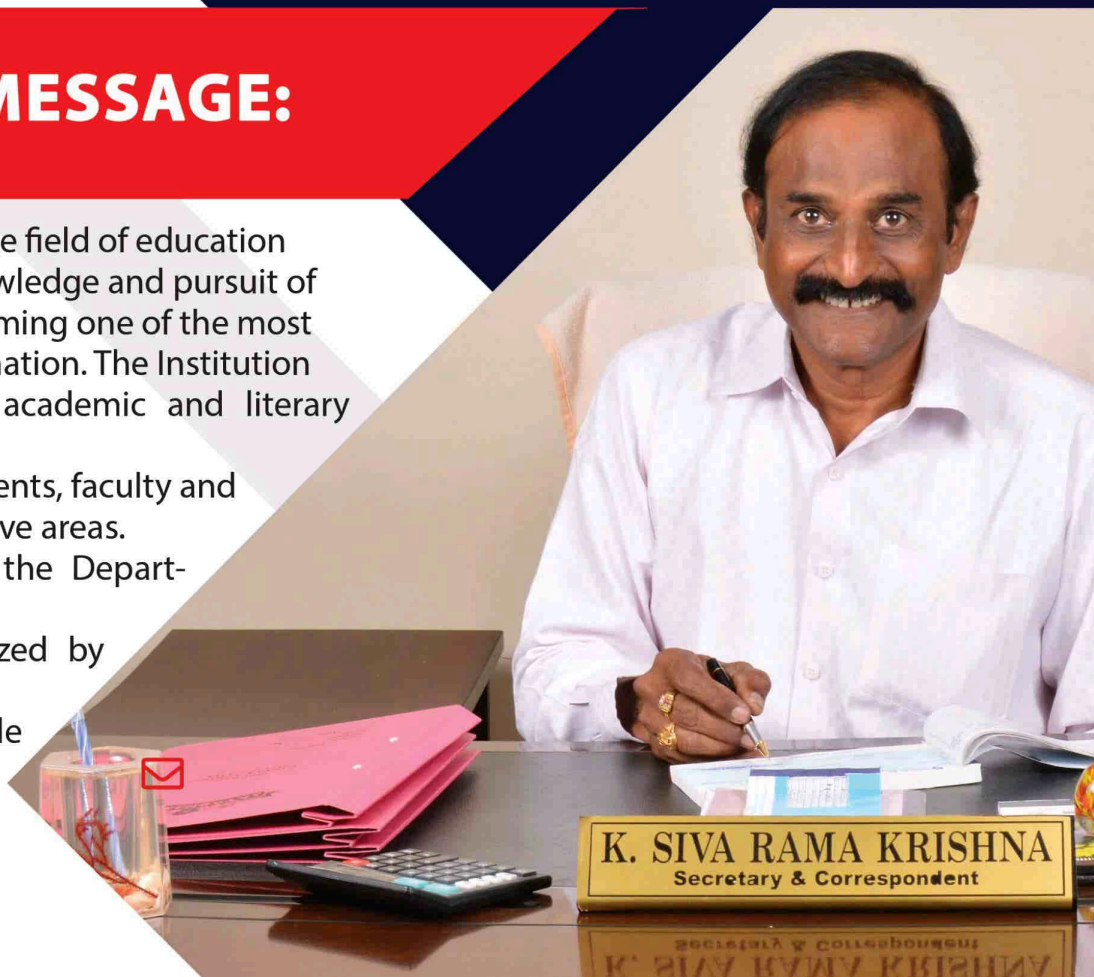
It gives me immense pleasure to note that the Departmental Association DHRUVA of ECE is conducting its Annual convention on 6th January, 2017, in association with various academic bodies of the department.

I am sure this event will draw talent from all over the department and create a great learning experience for all participants.

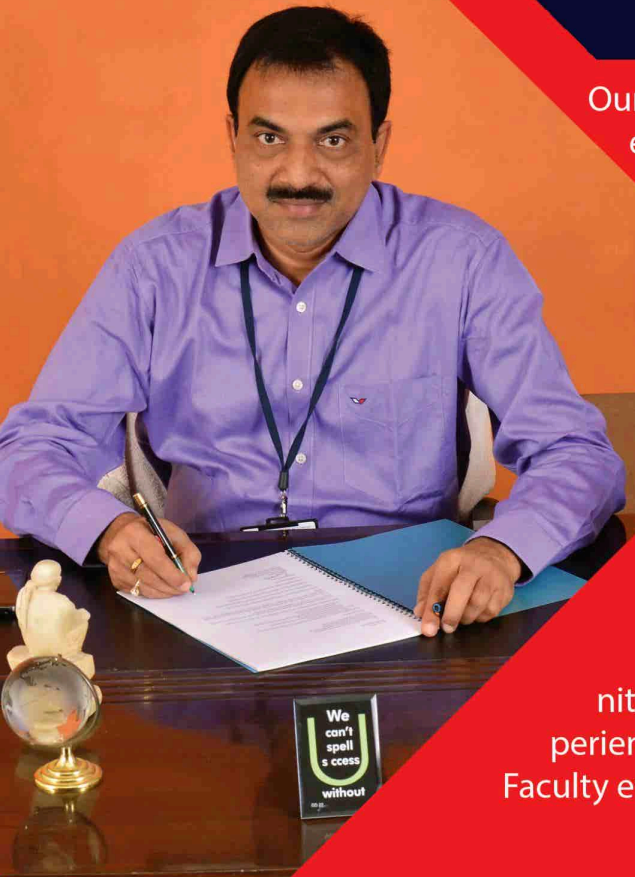
Lendi believes in value based education and allows engineers to strengthen the society ethically. Since its inception it is striving hard to meet this goal and I wish this event would also add value to the Institution's vision.

SECRETARY'S MESSAGE:

Lendi has carved a niche in the field of education in its region. Its quest for knowledge and pursuit of excellence has led to its becoming one of the most sought-after education destination. The Institution has been home for many academic and literary events which have enlightened students, faculty and educationists in their respective areas. This Annual Convention of the Departmental Association DHRUVA organized by the Department of ECE is an attempt to assemble the learners and their ideas in the field.



PRINCIPAL'S MESSAGE:



Our daily attempt in creating a world class facility to learn, has evolved from various ideas and serious involvement of people in creating and disseminating knowledge to the students of the Institution and to the learning community across our region.

Teaching is more than imparting knowledge, it is inspiring change. Also learning is not just absorbing Facts, it is acquiring understanding and transforming to knowledge. I believe that the Departmental Associations will drive an inspiration for the academic community.

ECE department association DHRUVA should have also definitely facilitated knowledge exchange and enriching learning experience for all, which in turn would have helped the students and Faculty evolve themselves as useful tools in building world class stan-

VICE CHAIRMAN'S MESSAGE:

Learning is a process which extends beyond classrooms. In an effort to widen our horizon, it is necessary to take part in events where different perspectives meet and ignite, resulting in fresher and more innovative outcomes.

This Departmental Association DHRUVA Annual Convention is no doubt a platform to exchange the ever expanding styles and strategies in teaching and learning, to benefit the students of the coming generations.

I also congratulate the Head, Staff and Students of the Department of ECE for their efforts in organizing this event.



P.SRINIVASARAO
Vice-Chairman

TRAINING & PLACEMENT OFFICER'S MESSAGE



The goal of Training & Placement Cell is to provide world class training and facilities, employment opportunities in leading organizations. The Placement Cell of Lendi Institute of Engineering & Technology is aptly setup not only to get a right job but guides students to pave a way for right career. At this juncture, I wanted to emote my happiness from the bottom of my heart to congratulate Dr. Rajan babu, H.O.D, ECE, staff and students for their exceptional achievement.

HEAD OF DEPARTMENT (CSE) MESSAGE:

'It gives me an immense pleasure to note that ECE department is conducting a Departmental Day program "DHRUVA". As India is on its way to becoming a global hub for Electronic Clusters, the students have to meet the expectations of industry. I hope that this event would provide an opportunity to all the students to interact and share their knowledge and improve their presentation and organizing skills.

I sincerely feel that the learning's from this sort of events will help the students in their career development.





HEAD OF DEPARTMENT (EEE) MESSAGE:

I specially congratulate DHRUVA, the versatile group of Department of ECE, Lendi. I appreciate the eminent team for this bold, forward looking and friendly announcement which fortifies the students' potential. I also take this opportunity to eulogize the efforts of the department for providing myriad of opportunities to the students' right from inception.

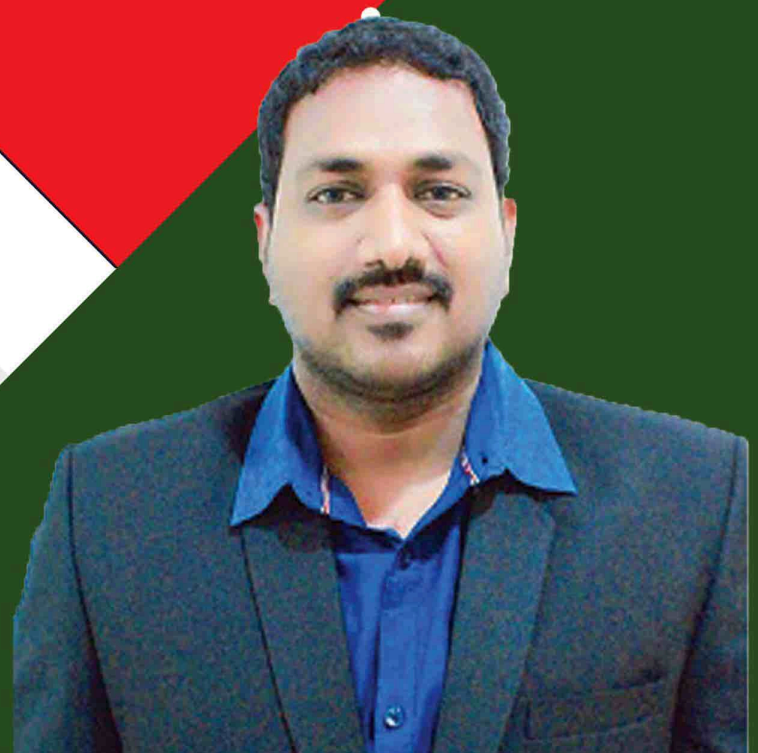
ECE students have been excelling in learning and grabbing the opportunities. The department not only achieved hundred percent results but also placed the students in the top most organizations

I carve that DHRUVA will attain laurels through continuous progress and also will be a resource library, guiding place for all the aspirants

HEAD OF DEPARTMENT (MECH) MESSAGE:

Elated to jot a few words for our ECE students for bringing out a souvenir. Dhruva 2017, which I presume would exhibit the energy levels of the department in terms of various activities and presentations.

I would like to use a quote which I feel is apt for our student community, and I quote "The years ahead will not be easy. The challenges in form of us will be more complex; they demand not only commitment but also the will to move forward. Are we prepared to bear the torch of commitment?"





HEAD OF DEPARTMENT(S&H) MESSAGE:

It is an immense pleasure for me to laud the faculty members of the department of ECE for their unique achievement and distinct contribution to the college and the students as well. Their endeavour is teaching mixed ability students, placing the students in the prominent companies and probing the students to involve in research and development is remarkable.

The versatile members of the department not only Succeeded in imparting the knowledge for the students but also bourgeoned in inculcating discipline. The teamwork, untiring efforts to achieve, their planning and determination augmented them to reach their vision.

Lorem

HEAD OF DEPT(CSSE) MESSAGE:

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HEAD OF DEPT(CSIT) MESSAGE:

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VICE PRINCIPAL'S MESSAGE (ACADEMICS)



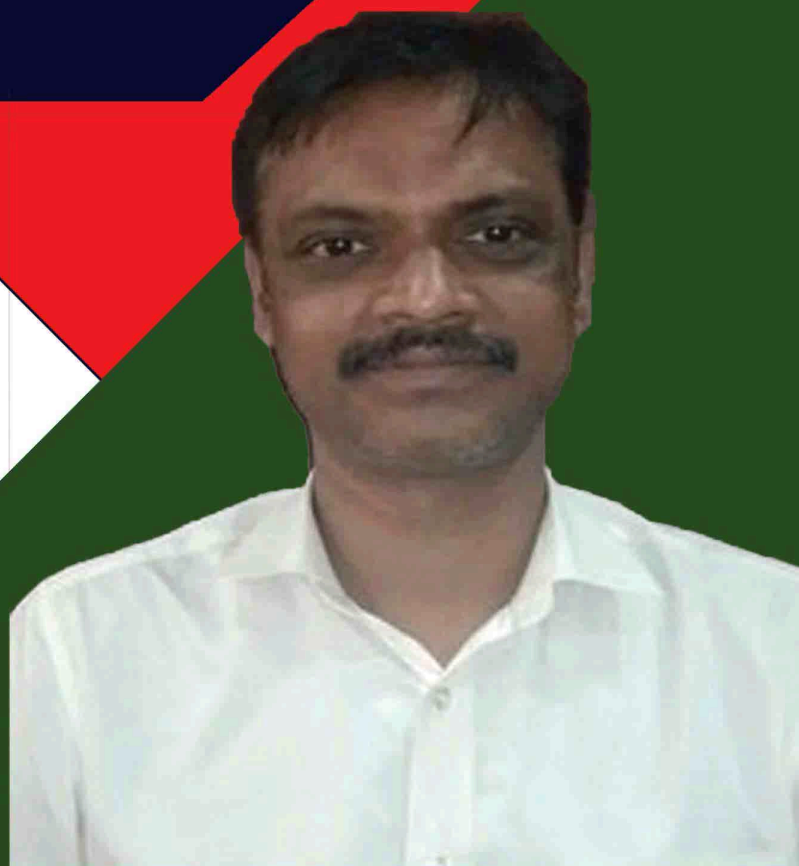
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VICE PRINCIPAL'S MESSAGE (ACADEMICS)

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ABOUT ECE DEPARTMENT

The department of ECE is one of the established and largest departments in the institution. The Department of ECE was started with an initial intake of 60 students (in 2008) and gradually embellished to 180 students intake at the graduation level. The post-Graduation M.Tech program in Embedded Systems & VLSI Design was introduced in 2014 – 2015 with an intake of 18 seats.

The department possesses a highly qualified group of young, competent, and highly motivated faculty and staff members who have adopted and implemented some of the best academic practices in teaching and research. The department is strengthened by its eminent faculty of 7 doctorates, 15 pursuing doctorates, and senior faculty. Our faculty brings state-of-the-art research, development, and design experience into the classroom, ensuring that our students and alumni are able to apply for registration as professional engineers in all parts of global engineering and the scientific community. In all courses, the Department has built an excellent reputation for its graduates in terms of placements.

Department is organizing international and national seminars, a faculty development program, a student training program by industry experts, and invited lectures by eminent academicians and resource persons from industries for up-gradation and sharing of technical knowledge. Department is organizing training programs and FDP supported by E & ICT Academy, Professional bodies IE, IETE, and IEEE every semester

NBA ACCREDITATION:

All courses in the department are periodically reviewed, and all have received continuous and ongoing accreditation from the National Board of Accreditation. The UG course was accredited by the NBA in 2019 for 3 years.

The faculty members and students of the department presented research papers at the referred International conference in India and abroad. Research articles were published in International journals. The journal and conference publications by the department faculty members and students are around 60 and 141 respectively. Patents are granted and filed by the faculty in the department. The no of patents published by the department faculty is 17 so far. the students of the department have been securing top ranks in national competitive examinations such as GATE and CAT. Students from the department have been regularly recruited by several public sectors and MNC companies with high packages. Every year, about 10% of ECE graduate (B.Tech) students are going to pursue postgraduate and doctoral studies in the top-rated Universities in India and abroad.

The students of the department have won prizes in different national & international technical competitions and sports events. Some of the student groups are motivated toward entrepreneurship development and have started Start-up companies with the help of the institute incubation center. In all courses, the Department has built an excellent reputation for its graduates in terms of placements.

Department is equipped with state of art infrastructure comprising ICT classrooms, advanced laboratories including Industry-sponsored lab, dedicated projects lab, and R&D lab supported by licensed software tools like Mentor Graphics, MATLAB, XLINX Vivado and ANSYS-HFSS, etc

FACULTY ACHIEVEMENTS

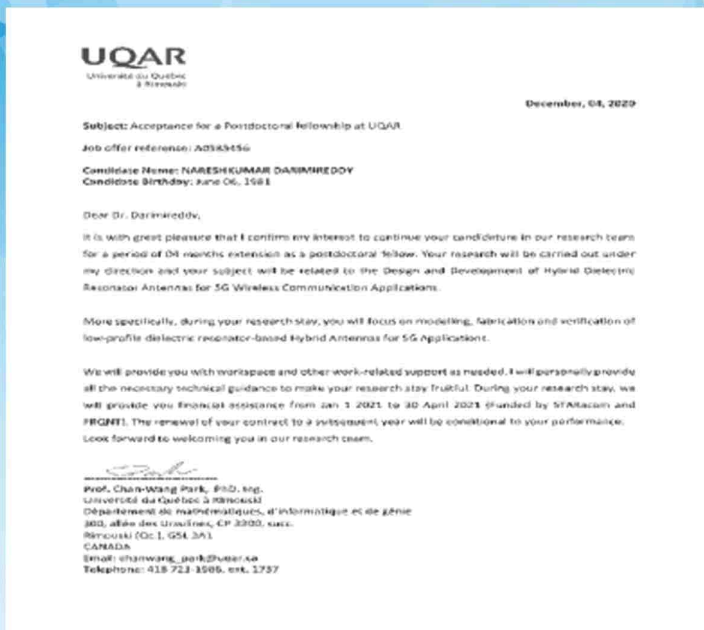
Dr D Naresh Kumar's Acheivments:

Awarded with IEEE Senior Member Grade Elevation, August 2019.

Awarded with Postdoctoral Quebec-India Fellowship (PBEEE-FRQNT), from Research Fund of Quebec, Government of Quebec, Canada

I have secured the First Rank in Excellence Scholarship Program for International Students (PBEEE) Contest: APR 30TH 2020, Research Fund of Quebec (FRQNT), Government of Quebec, Canada with a Scholarship Grant of \$12000 CAD.

I have secured Second Rank in Excellence Scholarship Program for International Students (PBEEE) Contest: APR 30TH 2021, Research Fund of Quebec (FRQNT), Government of Quebec, Canada with a Scholarship Grant of \$35000 CAD.



»»» Reviewer for Reputed Journals and Conferences

- »»» IEEE Antennas and Propagation Magazine
- »»» IEEE Access
- »»» MDPI Electronics
- »»» MDPI Sensors
- »»» MDPI Telecom
- »»» MDPI Applied Sciences
- »»» International Journal of Microwave and Wireless Technologies (Cambridge University Press)
- »»» International Journal of RF and Microwave and Computer-Aided Engineering (Wiley Periodicals)
- »»» Microwave and Optical Technology Letters
- »»» Pattern Recognition Letters
- »»» ETRI Journal
- »»» Ain Shams Engineering Journal
- »»» IETE Technical Review



FACULTY ACHIEVEMENTS

Dr B Sridhar Achievements:

- ___ Awarded as the Best Teacher for his valuable contribution to overall development of the department.
- ___ Awarded for FIE membership.
- ___ Secured best paper award at Springer's ICMEET-2021, held at BEC Bhubaneswar.



Dr B Kiranmai Achievements:

- ___ Got Certification of Coordination for successfully coordinating the online Faculty Development Programme on "Internet of Things" organized by E& ICT Academy IIT Guwahati held from 21-26 February 2022.
- ___ Awarded as Primary Evaluator in Toycathon-2021 organized by AICTE & Ministry of Education's Innovation Cell, GOI on 15th Dec-2021.
- ___ ☑ Got Certification of Appreciation for successfully coordinated ATAL online faculty development Programme on "Smart Cities" from 07/12/20 to



FACULTY ACHIEVEMENTS

Dr T Anil Kumar Awards:

___Our faculty T. Anilkumar has obtained Doctoral Degree from K L Deemed to be University, (Vaddeswaram Campus) on 8th July 2021 in the domain of Antenna Design. He has carried his research work on 'Development of Conformal Liquid Crystal Polymer based Reconfigurable Antenna for Vehicular Band Applications' under the supervision of Dr. B. T. P. Madhav, Professor of ECE & Associate Dean at K L (Deemed to be) University. He has published around 13 research articles in SCI Indexed journals and a total of 42 research publications in his credit. He got total 479 citations for his research articles published and currently he is having an h-index of 13 and i10-index of 19 in the department of ECE, LIET



___The Management body of Lendi Institute of Engineering & Technology felicitated Dr. T. Anilkumar on his achievement of obtaining Doctoral Degree in the Department of ECE on the auspicious occasion of Teachers' Day 2021 (5th September 2021).

___Awarded as Primary Evaluator in Toycathon-2021 organized by AICTE & Ministry of Education's Innovation Cell, GOI on 15th Dec-2021.

___Secured best paper award at Springer's ICMEET-2021, held at BEC Bhubaneswar.

___Served as a TPC Member & Valuable contributor as a Reviewer for ICMEET-2021 Springer Conference

International/ National Journals & Conferences

1. Appalabathula Venkatesh, Shankar Nalinakshan, V. N. Jayasankar, V. Aneesh, S. S. Kiran & V. Sivasubramanian (2021) Stability Testing and Restoration of a DEIG-Based Wind Power Plant with Indirect Grid Control Strategies, IETE Journal of Research, DOI: 10.1080/03772063.2021.1934126 (SCI)
2. Damping Analysis To Improve The Performance Of Shunt Capacitive Rf Mems Switch Lakshmi Narayana Thalluri, K V V Kumar, Konari Raja Sekhar, N Bhushana Babu D, S S Kiran, Koushik Guha FACTA UNIVERSITATIS Series: Electronics and Energetics, <https://doi.org/10.2298/FUEE2103381T> September 2021 pp. 381-392 Vol. 34, No 3 (scopus)
3. Sridhar, B. (2021). Investigations of medical image segmentation methods with inclusion mathematical morphological operations. *Traitement du Signal*, Vol. 38, No. 5, pp. 1531-1540. <https://doi.org/10.18280/ts.380530> (Science Citation Index Expanded)
4. B. Prudhvi Nadh, B. T. P. Madhav, M. Siva Kumar, T. Anil Kumar, M. Venkateswara Rao & S.S. Mohan Reddy (2022) MEMS-based reconfigurable and flexible antenna for body-centric wearable applications, *Journal of Electromagnetic Waves and Applications*, DOI: 10.1080/09205071.2022.2028682 (SCI)
5. Lakshmi Narayana, K. Srinivasa Rao, Koushik Guha, S. S. Kiran et al, "Target Application Based Design Approach for RF MEMS Switches using Artificial Neural Networks". *Trans. Electr. Electron. Mater.* (2022). <https://doi.org/10.1007/s42341-021-00378-1> (ESCI)
6. Srinivas Rao, K., Paramkusam, A.V. Block Matching Algorithms for the Estimation of Motion in Image Sequences: Analysis. *Pattern Recognit. Image Anal.* 32, 33–44 (2022).(ESCI, SCOPUS)
7. Vadda, Lavanya & Kiranmai, Babburu & Minchula, Vinodh. (2021). PERFORMANCE ANALYSIS OF REAL-TIME SDR OFDM SYSTEM. *Xi'an Dianzi Keji Daxue Xuebao/Journal of Xidian University*. VOLUME 15. 434. 10.37896/jxu15.9/043. (Scopus)

Book Chapters

1. Lakshmi Narayana Thalluri, K Srinivasa Rao, G Venkata Hari Prasad, S S Kiran(2021) Reconfigurable Antennas for RFID/GPS/WiMAX/WLAN Applications Using RF MEMS Switches. In: Biswas A., Saxena R., De D. (eds) *Microelectronics, Circuits and Systems. Lecture Notes in Electrical Engineering*, vol 755. Springer, Singapore. https://doi.org/10.1007/978-981-16-1570-2_21
2. S.B.T. Abyuday, R.Ramana Reddy, Naresh K.Darimireddy Millimeter wave wideband Koch fractal antennas. *Springer lecture notes in electrical engineering book series*.
3. Anjaneyulu G., Varma T.A.N.S.N., Siddartha Varma J. (2022) A Ground Plane Modified Broadband Circularly Polarized Patch Antenna for Wireless Applications. In: Tiwari M., Maddila R.K., Garg A.K., Kumar A., Yupapin P. (eds) *Optical and Wireless Technologies. Lecture Notes in Electrical Engineering*, vol 771. Springer, Singapore. https://doi.org/10.1007/978-981-16-2818-4_27

SUMMARY OF OUR FACULTY GRANTED PATENTS

S.No	Title	Author Name	Application Number	Granted Date	Term Patent	Indian / International
1	Manually operated multi level Modular Brick Moulding Apparatus	Dr. S. Sridhar	202041040671	23/02/2022	20 years	Indian
Summary of Faculty PUBLISHED Patents						
S.No	Title	Author Name	Application Number	Filed Date	Published Date	Indian / International
3	An artificial intelligence based integrated IoT healthcare system for cancer care and method thereof	Dr. B. Sridhar	202241022606	17/04/2022	13/05/2022	Indian
4	Artificial Intelligence based Automatic Healthcare Management system for detection and prevention of Pancreatic Cancer using Multidetector Computed Tomography, Image processing and Machine Learning algorithms	Dr. M. Rajan Babu Dunna Suresh Kumar M Raveendra Kumar Shaik Azeez	202241021628	04-11-2022	22/04/2022	Indian
5	A System for privacy - preserving medical record searching engine for an artificially intelligent based diagnosis in IoT healthcare	Dr. B. Sridhar	202241020616	04-05-2022	15/04/2022	Indian
6	A Sturdy dataset for RF MEMS switches dimensions prediction using cascade feed forward neural network	Dr. M. Rajan Babu Dr. B. Kiranmai K. Gurucharan Santosh Kiran Simhadri	202241020064	04-02-2022	15/04/2022	Indian
7	The Blockchain and Artificial Intelligence based IoT Environment for 6G Wireless Network	Shaik Azeez	202241001610	01-11-2022	02-04-2022	Indian
8	An IOT equipment based secured cloud network communication method	Mr.Nancharaiah Vejudla	202141061935	30/12/2021	02-04-2022	Indian
9	A SYSTEM BASED ON DEEP LEARNING THREE-DIMENSIONAL PIPELINE RECONSTRUCTION AND METHOD THEREOF	Mr.Nancharaiah Vejudla	202131050687	11-04-2021	12-10-2021	Indian
10	E- FUZZY FEATURE FUSION AND THRESHOLDING BASED SYSTEM FOR MORPHOLOGY SEGMENTATION OF BRAIN MRI MODALITIES	Chittimoju Gayatri	202021105895	28/10/2021	12-08-2021	Intenational (German)
11	Organic cake based Herbal Mosquito repellent composition and preparation method thereof	Dr. S. Sridhar	202141051384	11-10-2021	26/11/2021	Indian
12	Dual Circularly Polarized Dielectric Resonator Based Compact Hybrid Antenna for Dual Functioal Applications	Rajasekhar Nalanagula	202141041798	16/09/2021	10-01-2021	Indian

Faculty Development Program

One-Week Online Faculty Development Programme on "Internet of Things" organized by E&ICT Academy IIT Guwahati held from 21th to 26th Feb, 2022 in association with Lendi Institute of Engineering & Technology, Denkada, Jonnada, Andhra Pradesh.



A 40-hour Online Faculty Development Programme on "Machine Learning for Signal Processing" Sponsored by Ministry of Electronics and Information Technology (MeitY) GoI, organised by E&ICT Academy, NIT Warangal and Lendi Institute of Engineering and Technology (A), Vizianagaram during 25th October - 5th November, 2021.

BEST TEACHER AWARD

2020-21

**MR.
DR.B SRIDHAR**

Mr.DR.B SRIDHAR received department best teacher award for the academic year 2020-21 in the cadre of Professor.



**MR.
S.S KIRAN**

Mr.S.S KIRAN received department best teacher award for the academic year 2020-21 in the cadre of Assistant Professor.





OUR NPTEL ACHIEVEMENTS

**FACULTY
CERTIFICATES : 10**



**STUDENT
CERTIFICATES : 49**

In this year 1 members got certified with ELITE+SILVER, 29 got certified with ELITE,
3 successfully certified and 59 were total certificates.




NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
SIRIPURAPU DURGA MADHURI
for successfully completing the course




Digital Circuits

with a consolidated score of **81** %


Online Assignments	22.88/25	Proctored Exam	58.5/75
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Total number of candidates certified in this course: **1000**




Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur


Jul-Oct 2021
(12 week course)



Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



FREE ONLINE EDUCATION
swayam
परिष्कार करो, ज्ञान बढ़ाओ

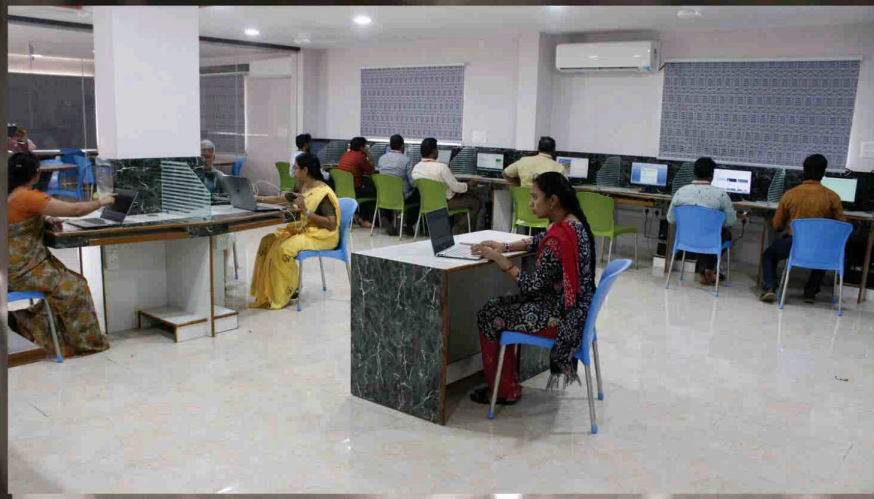
Roll No:NPTEL21EE75S24600103

To validate and check scores: <https://nptel.ac.in/noc>

Studying NPTEL online courses is beneficial. Even, NPTEL certificates have a separate importance in an Engineering student's journey. NPTEL certificates have the quotations of many IIT's and have the signature of many respected HOD's or Dean of IITs.

This valuable online courses are offered by our lendi , which helps student in all educational aspects.

CENTRAL R&D FACILITY



RESEARCH CENTER

Grams: "TECHNOLOGY"
E-mail: registrar@jntuk.edu.in



Phone: Off: 0884-2300900
Fax: 0884-2300901

JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY: KAKINADA
KAKINADA-533003, Andhra Pradesh, India
(Established by A.P Act.30 of 2008)

Lr. No. JNTUK/DR&D/Research Center Status/Issue of Certificate/2022 Dated: 16.05.2022

Dr. L. Sumalatha
M. Tech., Ph.D.,
REGISTRAR

CIRCULAR

Sub: Estt - JNTUK – Kakinada – Directorate of Research and Development – Recognition of the Research Centers for various departments of Affiliated Colleges- Issue of Certificates – Intimation – Regarding.

Ref: JNTUK/R&D/Research Center/.../2022 dated 08.04.2022, intimation of "Research Center Status" forwarded through e.mail on 22.04.2022 from R&D office, JNTUK

It is submitted that the Affiliated Colleges have applied for recognition and renewal of "Research Center Status" for the academic years 2021-22 & 2022-23 pertaining various departments. JNTU Kakinada has conducted the inspections and scrutinized the reports by the committees leading to finalization of the Research Center Status to the various departments.

The details of the institutions who cleared the requirement for the issue of Research Center Status department wise are intimated to the Principals of the Affiliated Colleges for the academic years 2021-22 & 2022-23 vide ref.1 cited.

The Chairmen of the Affiliated Colleges / Permanently Affiliated institutes are hereby requested to personally receive the certificates from Hon'ble Vice Chancellor, JNTUK, Kakinada, ensuring his availability in office, while planning the visit to university along with the respective Principals. For any further information you may contact Director, Research and Development, JNTUK, Kakinada


REGISTRAR
J.N.T. University Kakinada
Kakinada-533003

Encl: The Details of the Identified Research Centers
Copy to

The Secretary to Hon'ble Vice-Chancellor, JNTUK, Kakinada
The Rector, JNTUK, Kakinada
The Director, Research and Development, JNTUK, Kakinada

Status of the Research Centers – 2021-22 and 2022-23

S.No.	College Code	Name of the Institute	Civil	EEE	ME	ECE	CSE
1	MH	Aditya College of Engineering, Sumpalem		✓		✓	✓
2	P3	Aditya College of Engineering & Technology, Sumpalem			✓	✓	✓
3	A9	Aditya Engineering College, Sumpalem		✓	✓	✓	✓
4	A5	Aditya Institute of Technology & Management, Tekkali		✓			
5	U4	Dadi Institute of Engg & Technology, Anakapalli					✓
6	34	GMR Institute of Technology, Rajm	✓		✓	✓	✓
7	48	Godavalluru Engineering College, Godavalluru	✓	✓	✓	✓	✓
8	13	GVP College of Engineering, Visakhapatnam		✓			
9	JR	KKR & KSR Institute of Technology, Guntur					✓
10	76	Lakireddy Bali Reddy College of Engineering, Mylavaram		✓	✓		✓
11	KD	Lendi Institute of Engineering & Technology, Vizianagaram				✓	✓
12	33	MVGR College of Engineering, Vizianagaram	✓		✓		✓
13	47	Narasansopeta Engineering College, Narasansopeta			✓	✓	✓
14	KN	NRI Institute of Technology, Agiripalli				✓	✓
15	A3	Pragati Engineering College, Sumpalem		✓	✓	✓	✓
16	50	PVP Siddhartha Institute of Technology, Vijayawada			✓	✓	✓
17	49	QIS College of Engg & Technology, Ongole		✓	✓	✓	✓
18	98	Raghu Engineering College, Visakhapatnam		✓	✓	✓	✓
19	3J	Raghu Institute of Technology, Visakhapatnam			✓	✓	✓
20	A8	Sri Vasavi Engineering College, Tadepalligudem		✓			
21	B0	Shri Vishnu Engineering College for Women, Bhimavaram		✓			
22	F0	St. Ann's College of Engineering & Technology, Chirala			✓	✓	✓
23	L3	Vignaa's Institute of Information Technology, Duvvada, Visakhapatnam			✓		✓
24	8W	V.R. Siddhartha Engineering College, Kanuru, Vijayawada		✓			


REGISTRAR
J.N.T. University Kakinada
Kakinada-533003



Our ECE Department got recognition and renewal of
"RESEARCH CENTER STATUS" for the academic years
 2021-2022 and 2022-2-2023

National Conferences/International Conferences

1. Durga Madhuri siripurapu, Sneha madhavi koppi reddy et all, "Design of water quality monitoring system using IoT". 9th International Conference on Innovations in Electronics and Communication Engineering (ICIECE-2021)
2. V Ch. Sekhar rao rayavarapu, Ch. Gayatri, deekshitha, "Dental Image Segmentation using fuzzy C-means clustering algorithm" 9th international conference on innovations in electronics and communication engineering (ICIECE-2021), 13-14th Aug,2021.
3. V Ch. Sekhar rao rayavarapu, Jyothi swapurna et all, "implementation of OSID multi user detection scheme for uplink grant free NOMA". 9th international conference on innovations in electronics and communication engineering (ICIECE-2021), 13-14th Aug,2021.
4. Nancharaiah Vejendla, Sai yamini Pediredla, Sushma Siriki, Pavani Saripilli, Hari sai Vemali, "Design of Ultra Low Power CNTFET Based Multiplexer Using GDI Technique" 9th international conference on innovations in electronics and communication engineering (ICIECE-2021),13-14th Aug,2021
5. B.Kiranmai "Implementation of machine learning system to predict diabetes International conference on advances in computer engineering and communication technology (ICACET-2021) 2nd-23rd Oct,2021
6. B.Kiranmai, "IoT implementation of automatic environmental control for indoor farming" International conference on advances in computer engineering and communication technology (ICACET-2021) 2nd-23rd Oct,2021
7. G.V.Sai Swetha, "Designing sidelobe free range region near by identified radar target" International conference on VLSI, Signal Processing and communications 3rd & 4th Sep, 2021
8. D.Venkatachari, "design of slot coupled multiband antenna for C-band and X-band applications", 2nd International Conference on Applied Electromagnetics, Signal Processing, and Communication" Nov,2021
9. S S Kiran, "Implementation of Color harmony and Under water fusion utilizing Image Enhancement and Color Restoration strategies", 3rd international conference on advances in computing, communication, control and networking, 2021 (ICAC3N-2021) 17th-18th Dec,2021
10. Bylapudi Rama Devi, Challa Niharika Durgasi Jayaram, Alavilli Moulika Lakshmi, Bommidi Tarun, "Design of a Millimeter Wave Antenna Using MIMO for 5G Applications" 2021 International Conference on Applied Electromagnetics, Signal Processing and Communication (AESPC)
11. Kola Murali, B. Sridhar, "A Smart Agricultural Irrigation System Using Sensor Array Based IoT" ICCIEA 2021 Journal of Physics: Conference Series IOP publishing.
12. S S Kiran, "Predicting Earthquake by using GPS Seismology and GNSS Based System" International Conference on Computing, Communication and Power Technology (IC3P-2022)

STUDENTS PUBLICATIONS

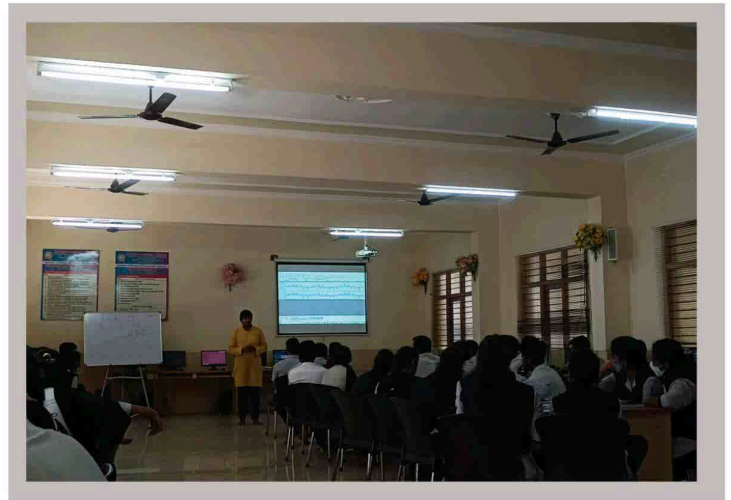
2020-21

1. P.Hareesh, Ch.Geeth Nandini, A.Pavanasree, B.Priyanka, Ch.Mohankrishna," Early Detection and Classification of Infected Plant Leaves via various Diseases using SVM Technique", International Journal of Research in Electrical, Electronics and Communication Engineering, Volume 6 Issue 2
2. N. Rajasekhar, G Vasundhra, A. Sahithi "Implementation of Miniaturized Frequency Reconfigurable Antenna For Wi-Fi Applications" i-manager's Journal on Electronics Engineering, Vol. 11, No. 2, December 2020 - February 2021
3. Sridhar.S, Guttula Bhargav Mani Deep, Asish Bhoi, Danthuluri Swathi, Deepilli Leelarani, "Character Recognition Using Deep Learning Algorithm" Turkish Journal of Computer and Mathematics Education, Vol.12 No.13 (2021),pp: 7089-7098
4. M. Ravindra Kumar, P. Satya, S. Swathi, S. Manoj Kumar, P. Sandeep, "Accident Alarming and Collision

BOOK CHAPTERS

5. Kapila G., Vandana B., Khaitan A., Francis Avinash A., Ajay Kumar C.H. (2022) Apple Fruit Classification and Damage Detection Using Pre-trained Deep Neural Network as Feature Extractor. In: Saini H.S., Singh R.K., Tariq Beg M., Mulaveesala R., Mahmood M.R. (eds) Innovations in Electronics and Communication Engineering. Lecture Notes in Networks and Systems, vol 355. Springer, Singapore. https://doi.org/10.1007/978-981-16-8512-5_26
6. Anilkumar T., Mounika M., Lakshmi P.R., Raju J.G., Naidu M.S.K., Sridhar B. (2022) Design and Analysis of Fractal Loop Antenna Array for Rectenna Applications. In: Chowdary P.S.R., Anguera J., Satapathy S.C., Bhateja V. (eds) Evolution in Signal Processing and Telecommunication Networks. Lecture Notes in Electrical Engineering, vol 839. Springer, Singapore
7. Sridhar, B., Kiran, K.S.S., Likhitha, N., Vardhan, K.P.V.A., Nikhil, K.V. (2022). Development of an Automatic Fruit Classification Using Hybrid Deep Learning Model for Super Markets. In: Chakravarthy, V.V.S.S.S., Flores-Fuentes, W., Bhateja, V., Biswal, B. (eds) Advances in Micro-Electronics, Embedded Systems and IoT. Lecture Notes in Electrical Engineering, vol 838. Springer, Singapore. https://doi.org/10.1007/978-981-16-8550-7_18
8. Sridhar, B., Mounika, R., Babu, P.N., Kumar, Y.P., Raja, S.Y.R. (2022). Design a Low-Cost Air Pollution Monitoring IoT System. In: Chakravarthy, V.V.S.S.S., Flores-Fuentes, W., Bhateja, V., Biswal, B. (eds) Advances in Micro-Electronics, Embedded Systems and IoT. Lecture Notes in Electrical Engineering, vol 838. Springer, Singapore. https://doi.org/10.1007/978-981-16-8550-7_19

WORKSHOPS & SEMINARS



THE DEPARTMENT OF ECE
HAS ORGANISED THREE WORK SHOPS
AND TWO SEMINARS BY VARIOUS
EMINANT RESOURCE PERSONS IN THE
ACADAMIC 2021-22 YEAR

TECHNICAL EVENTS

THE DEPARTMENT OF ECE HAS ORGANISED VARIOUS TECHNICAL EVENTS LIKE ENGINEERS DAY NATIONAL TECHNOLOGY DAY AND NATIONAL SCIENCE DAY UNDER IE/IETE PROFESSIONAL BODIES



GUEST LECTURES

Our ECE Department has organised **SEVEN** guest lectures on various fields like DSP, DIP, introduction to AI, optical communications & analog and digital communication,

INDUSTRIAL VISIT



Around 39 members of II year students have visited Center of Excellence in Maritime & Ship Building, located at visakhapatnam. They visited the Center of Excellence in Maritime & Ship and learned about INDUSTRIAL AUTOMATION. The faculty who assisted the students were MR.SHEIK AZEEZ & MRS.K.GAYTRI



PROFFESIONAL SOCITIES

94 memmbers joined in IETE in this academic year.

89 memebers joined in IE in this academic year.

3 members joined in IEE inn this academic year.

ACHEIVER

ALL INNDIA RANK: 7428

GATE SCORE : 350

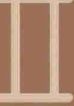


STUDENTES

ACHEIVEMENTS



YEAR



KANDIKONDA PREMA

CGPA: 9.53 || 20KD1A0481



D.S CHANDRIKA

CGPA: 9.5 || 20KD1A0451



SANAPATHI CHANDINI

CGPA: 9.5 || 20KD1A04F8



M.S.L.PRIYA

CGPA: 9.5 || 20KD1A04B9

YEAR



DAMMA THANUJA

CGPA: 9.56 || 19KD1A0431



ADAPALA JYOTHIKA

CGPA: 9.47 || 19KD1A0403



GIRI SAI YASWITHA

CGPA: 9.46 || 19KD1A0444

YEAR



INDUGU SAI KEERTHI

CGPA: 8.63 || 18KD1A0458



ANDALURI SOWJANYA

CGPA: 8.53 || 18KD1A0409



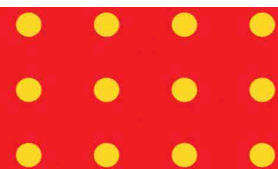
SANJAY GANDHI

CGPA: 8.49 || 18KD1A04E4

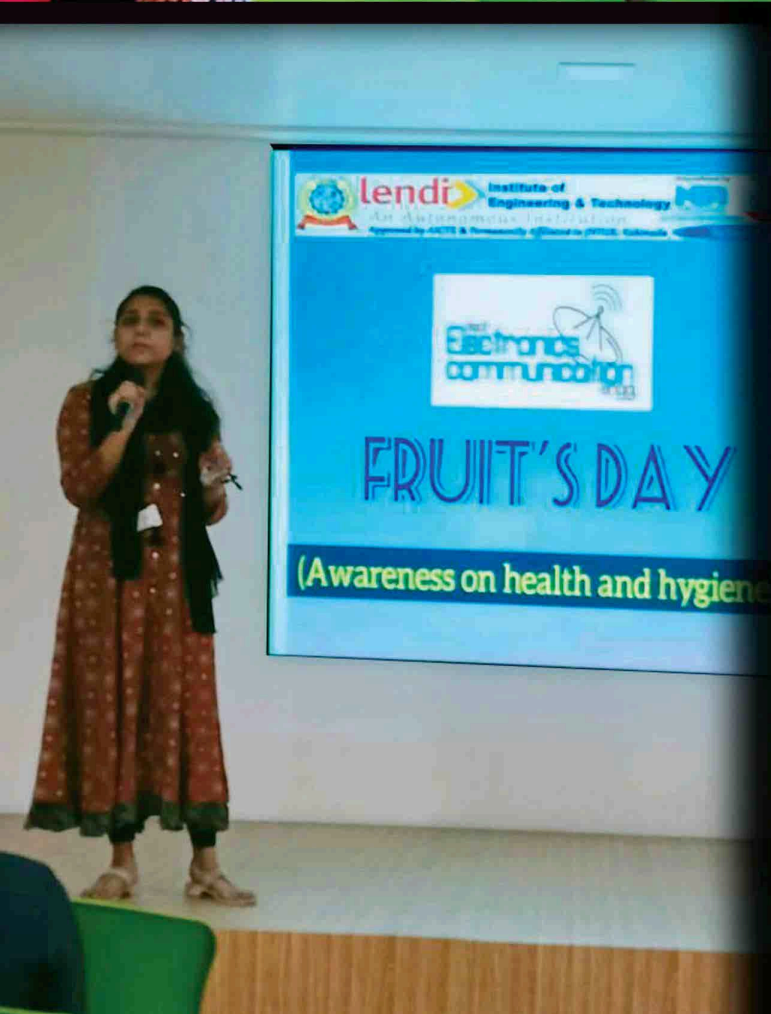
ACADEMIC

TOPPERS

FRUITS DAY CELEBRATIONS Event by UNDER THE



FEMINA WING



ALUMINI



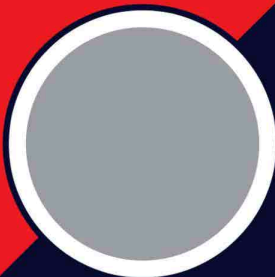
VOLETI ARJUN KISHORE
16KD1A044
ECE Dept

Finding the right path to success at the right time is really very important and for that way I had selected LENDI College. The friendly environment, the systematic approach towards imparting education at LENDI college made me a competent individual. The wide range of activities- both curricular and co-curricular- along and the support from LENDI is really very helpful for my future. The faculties of the department of ECE are really very kind and approachable when any need arises. In LENDI we are trained for our placements and because of that I was placed in one of the reputed companies. Today, if I am in good position it's because of what I have learnt from LENDI.



KOPPIREDDY SNEHA MADHAVI
17KD1A080
ECE Dept

Coming to LENDI, I consider it as a temple and the teachers over here as my god. Each of the Faculty members helped me with my ups and downs and shaped me into a better, responsible and successful person. Since my admittance, four years ago, I have been evolved into a confident lady, bolstered with many new skills.



ECE

LENDI INSTITUTE

DHRUVA

The acronym of DHRUVA is Diligent Heuristic Regenerative United and Vibrant Association , was started in the department of ECE in 2011 at LENDI institute of engineering and technology with an objective of enlightening the talents in the students in various aspects . Offering an inspiring and conducive learning environment to prepare skilled and competent engineers. Providing practical skills and project based education for meeting the growing challenges of industry. Arranging an unique environment

PRESIDENT



M.VAIBHAV KUMAR

towards entrepreneurship by fostering innovation, creativity, freedom and empowerment. Imparting professional behavior, strong ethical values, innovative research capabilities and leadership abilities.

SECRETARY



V.SAI KIRAN

TREASURER



D.THARUN

SPORTS DAY





PLACEMENTS

Still placing

Number of Placed : 152

Number of Offerrs : 322



32

36

37

133

Department of ECE

FACULTY

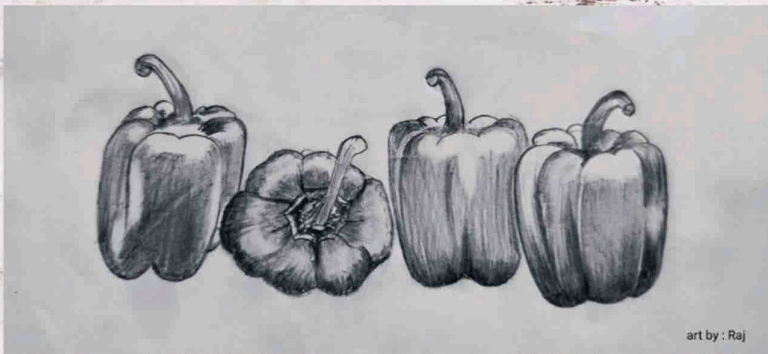


• We make your children's future better. •

E C E ▶



ART & PHOTO-GRAPHY CLUB

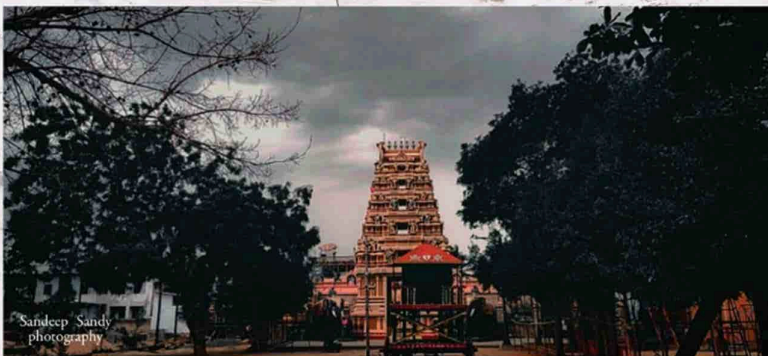


RAVIRAJAES

art by : Raj

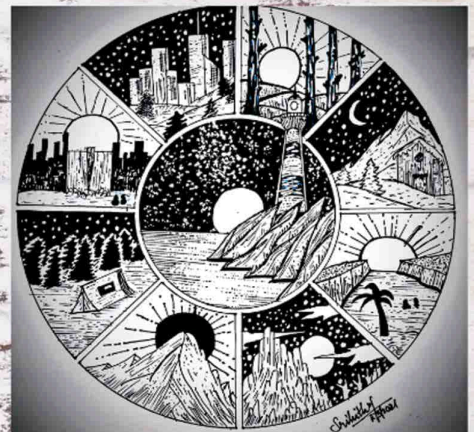


VARSHITHA



SANDEEP

Sandeep Sandy photography

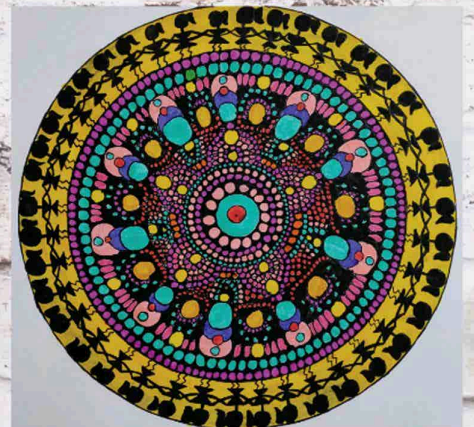


SRIHITHA VUDA

Srihitha Vuda



AKSHAY



JANAKI PONNADA



RANJITHKUMAR



our student's performing circular activities like painting and photograph competition

ART & PAINTINGS



art by : Ravi Raj A.E.S

ART BY RAVIRAJ A.E.S



ART BY VARSHI



ART BY VARSHI



ART BY G. HARATHI



ART BY MEGHANA

POETRY

some our lendi poets

లెండి అనే రంగస్థలానా మైమరిపించి
మురిపించే పాత్రలు ఎన్నో, ఎన్నెన్నో.,
ప్రకృతి పచ్చదనం పలకరించినట్టు,
ఏకాంతాలన్ని కలిసి కూర్చున్నట్టు,
విద్యతో పాటు విలువలు పుట్టినట్టు,
విజయ సాధనలో వేచిచూసేవాళ్ళు
కొందరు, విజయాలు సాధించి జ్ఞాపకాలు
పొగుచేసుకున్నవాళ్ళు కొందరు,
ఎంతోమందిని వివిధ రంగాల్లో
విధులనందించేలా చేసి, కలల్ని గమ్యాలకి
చేర్చి, అనుబంధాలు అనురాగలు
కలగలిపిన క్షేత్రమే మా ఈ లెండి మండపం..

(ఉదయ్)

"Your work is going to fill a large part of your life, and the only way to be truly satisfied is to do what you believe is great work. And the only way to do great work is to love what you do. If you haven't found it yet, keep looking. Don't settle. As with all matters of the heart, you'll know when you find it."

LOVE YOUR
DREAM
BE
ATTRACTED
TO YOUR GOAL
HAVE A CRUSH
ON YOUR
PASSION
AND BE
OBSESSED WITH
YOURSELF
(Tanmai Greenivas)

You miss 100% of the shots you don't take Whether you think you can or you think you can't, you're right I have learned over the years that when one's mind is made up, this diminishes fear I alone cannot change the world, but I can cast a stone across the water to create many ripples.

Electronic

ELECTRONICS

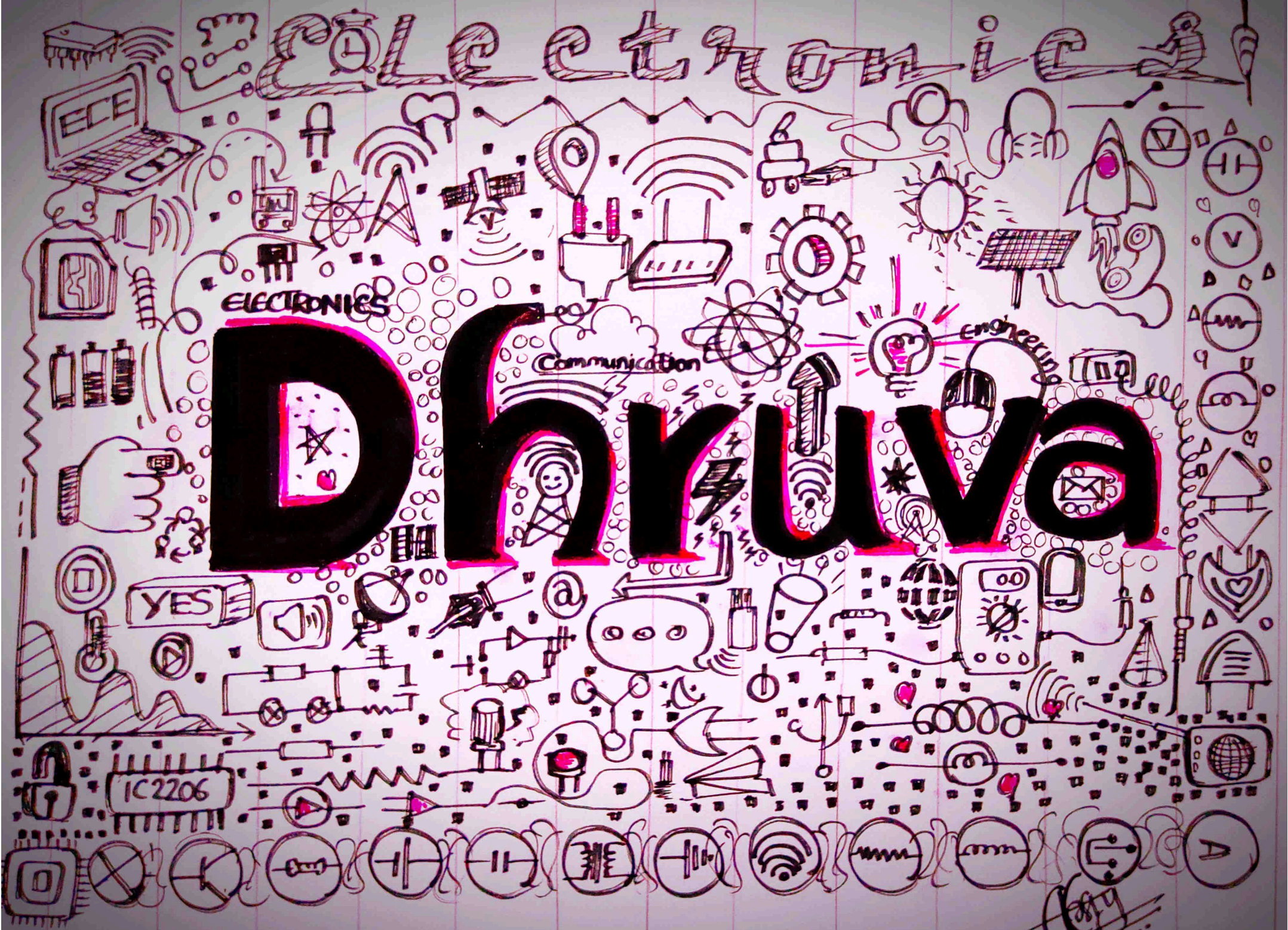
Communication

Engineering

Dhruva

YES

IC2206



OUR RECRUITERS POTENTIAL

THE FLYER BRAND

EMPLOYMENT

OUR AGENDA

is to provide a perfect platform



SMART

IDEAS

Engineers are always in search of projects, and finding meaningful projects makes that search worthwhile.



ELECTRONICS

The branch of physics and technology concerned with the design of circuits using transistors and microchips



COMMUNICATION

Communications are specified to design and modify electrical communications systems for scientific, military, industrial or commercial use.



ENGINEERING

Engineers, as practitioners of engineering, are professionals who invent, design, analyze, build and test machines and complex systems.

CET (CODE) : LIET

LENDI INSTITUTE OF ENGINEERING AND TECHNOLOGY
(Approved by AICTE, affiliated to JNTUK KAKINADA.
Accredited by NAAC with 'A' GRADE)

lendi

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lendi_2008@yahoo.com