



St. MARTIN'S ENGINEERING COLLEGE

UGC Autonomous
NBA & NAAC A+ Accredited
Dhulapally, Secunderabad – 500100



PULSE

**DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING**

NEWSLETTER

Volume 2 | Issue 1 | June 2023

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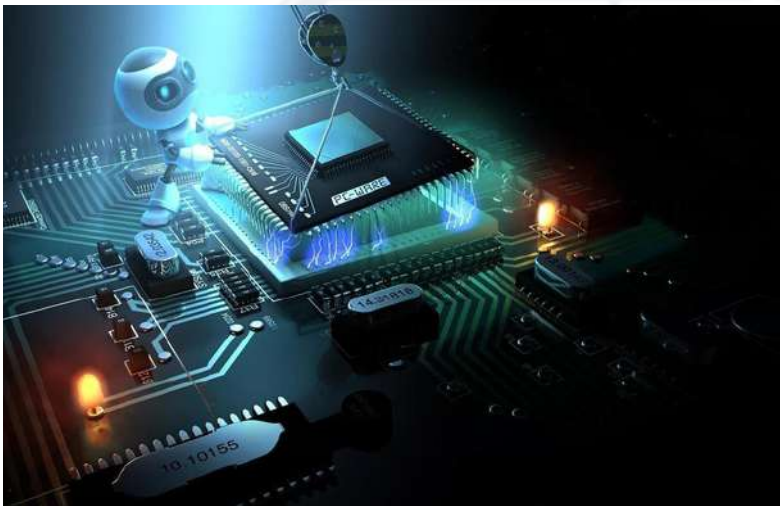
BOARD MEMBERS

45-46

- ➔ Board Members

Department Vision

To develop a centre of excellence for imparting high quality education in Electronics and Communication Engineering to produce technically competent, innovative and socially responsible professionals to meet global challenges.



Department Mission

M1: To impart knowledge in a way that caters to the needs of the present and emerging technological world.

M2: To turnout competent professionals trained in design and development of hardware and software based products.

M3: To infuse sense of ethics and social responsibility among the students.

About the Department

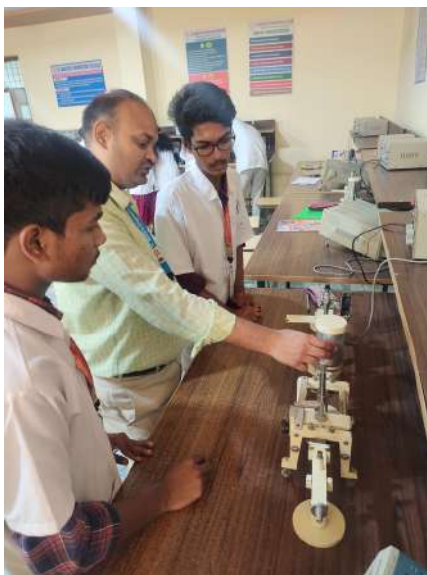
Electronics and Communication Engineering, the evergreen and always blooming field of study was established in the academic year 2002-03 with an intake of 60 and the intake increased to 90 in 2004, 120 in 2005, 180 in 2012 and 210 in 2022-23 till date. We are technologically updated and follow the strict curriculum provided by JNTUH to impart a standard education to our students. There are 53 well qualified and trained faculty from various reputed universities and institutions. Currently there are 6 Professors, 10 Associate Professors, and 37 Assistant Professors in the department who nurture the students with both theoretical and practical knowledge.

The Department is accredited by NBA three times since 2008.



To impart quality technical education the department has the state of art facilities/laboratories which are well equipped and furnished with latest editions of equipment's and software as per the curriculum followed. which form the basis and provide the right platform to carry out research work. Laboratories used are

- Electronic Devices Lab
- Basic Simulation/Digital Signal Processing Lab
- Digital System Design Lab
- Microprocessors and Microcontrollers Lab
- Microwave Lab
- Analog and Digital Communications Lab
- VLSI and E-CAD Lab
- Electronic Circuit Analysis Lab
- ICA Lab



Message from the Principal Sir



Dr. P. Santosh Kumar Patra
Group Director and Principal, SMEC

Dear All,

Greetings from St. Martin's Engineering College,

It gives me an immense pleasure to share the insight of Electronics and Communication Department. The department of ECE has opened their lock by creating a news letter called PULSE. Volume 2 Issue 1 edition of PULSE take us to the tour of ECE department by highlighting significant activities carried out by faculties, students & alumni in areas of academics, research, sports and cultural.

Department has organized International Conferences, FDPs, Workshops, Guest Lectures, Seminars and industrial visits throughout the year to enhance the overall technical knowledge of the students. Co-curricular and extra-curricular activities like Symphogyna, Helping hands, Sports, NCC has groomed students skills and connected them to the outside world with confidence. Faculties have contributed their knowledge in research by presenting papers Internationally, Patents and Books. Students have own prizes in various technical events organized by colleges across Telangana.

I wish these efforts will definitely enrich our environment with academic diligence. I wish all the best for the academic, research and developmental activities in the department to achieve greater heights. I appreciate the efforts put in by editorial and design board of Electronics and Communication Engineering department to bring out the news Letter PULSE. My best wishes to the department for the future endeavors.

Message from HEAD OF THE DEPARTMENT :

Warm greetings! I am happy to release this year's Volume 2 Issue 1 of department newsletter. There are many updates to share with respect to the department activities, staff and student achievements, and placements details etc., happened during every six months. Department of Electronics and Communication Engineering has always been striving to keep itself ahead of the competition. I am very happy to inform that our department having 100% placements. Last year more than 20 events organized by our department to develop technical skills to students and faculty. The Students have won prizes in various Technical events. This news letter will carry all our achievements and colorful memory for our department.



**Dr . B. Hari Krishna
(Professor & HOD)**

Message from DEAN ACADEMICS:



**Dr. SVS. Rama Krishnam Raju,
(DEAN Academics)**

I am happy to know that our ECE department bringing out Newsletter, **PULSE** which highlights the academic activities, achievements, contributions of faculty and students. I congratulate HOD ECE and his team for their initiative and wish them grand SUCCESS.

Message from DEAN R&D :



Dr. Sanjay Kumar Suman,
(DEAN R&D)

It is indeed a pleasure to note that the Dept of ECE is bringing out a newsletter, PULSE, highlighting the academic, co-curricular, extra curricular and R&D achievement of the students and faculty members. At the outset, I congratulate the team behind this activity for the meticulous work they have undertaken.

Best Wishes

Message from FACULTY:

I am extremely delighted to be associated with the department newsletter PULSE, which highlights all the department inter and intra curricular activities, this will benefit all the students as they can now be aspired for greater heights, by viewing about their departments achievements. This will also foster professional and social networking from time to time. I congratulate the team pulse for undertaking this tremendous work.



Mr. Venkanna
(Associate Professor)

Message from ALUMNI :



Keerthi Pogaku
Sub Engineer-Electronics
TSGENCO, Hyderabad

This is P. Keerthi from batch 2015-19. My department encouraged me a lot to explore my talent & potential by providing an exceptional integrated learning environment. I am really grateful to the faculty of ECE who have changed my whole aspect towards learning. I express my heartfelt thanks to our beloved Principal Dr. P. Santosh Kumar Patra Sir for giving me the perfect opportunity to explore myself.

CROWN TO SMEC :

St Martin's Engineering College has bagged the Top (51-100) Engineering College rankings across India from nirf - Innovation ranking.

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Engineering College
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Dhulapally, Near Kompally, Secunderabad - 500 100, T.S. www.smeec.ac.in
"Only College who offered 100% Placements"

ACCREDITED WITH GRADE A+ NAAC

Congratulations

51-100 RANK BAND
NIRF INNOVATION RANKING 2023

St. MARTIN'S ENGINEERING COLLEGE RANKED 51-100 IN NIRF INNOVATION RANKING 2023

शिक्षा मंत्रालय
MINISTRY OF EDUCATION
सत्यमेव जयते

nirf -Innovation
National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

Ph.D Awarded



Dr. Ravikumar Sanapala
(Associate Professor)

Dr. Ravikumar Sanapala, Associate Professor of the ECE Department has been awarded with a Ph.D at Jawaharlal Nehru Technological University, Hyderabad in February 2023.



Dr. P, Pavan Kumar, Assistant Professor of the ECE Department has been awarded with a Ph.D at Vels Institute of Science Technology & Advanced Studies (VISTAS), Chennai in February 2023.



Dr. P. Pavan Kumar
(Assistant Professor)

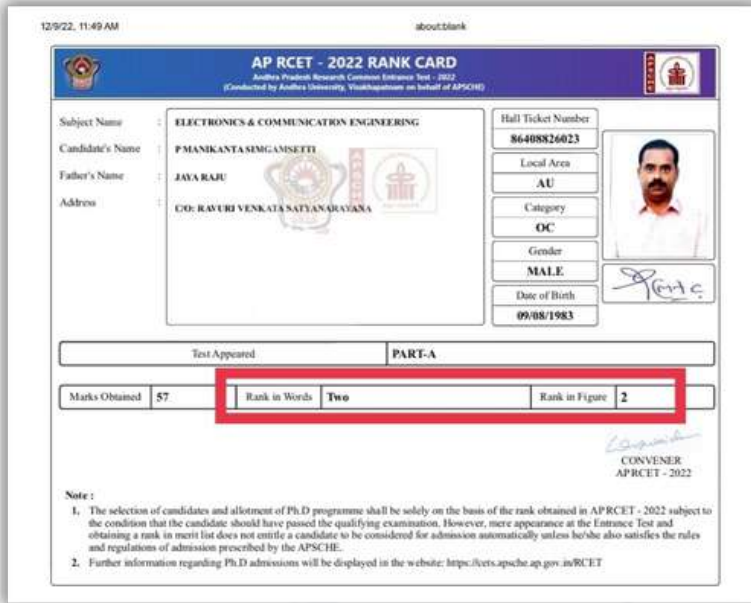
List Of The Patents Published :

S.No.	Name of Inventors and/or Applicants	Title of the Invention	Patent Detail(Patent number with date, if granted then mentioned as a "grant", if foreign then Country name)	Month & Year
1.	D. Basava, Ch. Venkateswarlu, Ch. Vamshi Priya, N. Archana, N. Phani Raj, K. Sai Srijanya, M. Sainath, K. Yamini, B. Sandeep Kumar, K. Sowmya, K. Divyasree, P. Manasa, M. Annamacharya, T. Bharat Kumar	Internet Of Things Customized Health Care System	202241062167	Nov 2022
2.	M. Govind Raj, G. Laxmi Priyanka, A. Geethika Lakshmi, B. Prathyusha, Mohammed Abdul Asim, Y. Venkata Sandeep, T. Tejaswini, P. Pravallika, A. Sai Bhargav, M. Rajesh, Abhishek Singh, D. Manish Reddy, G. Akshara Reddy, G. Aishwarya	Earthquake and Hazardous Gases Detection in Coal Mines using IOT	202241062171	Nov 2022

3.	K. Balasubramanyam, G. Sanjeev, K. Pavan Kalyan, L. Sri Karan, R. Arun Kumar, G. Shirisha, M. Vennela Reddy, K. Nikitha, K. Prathyusha, T. LohitSaikiran, K. Bhavana, Ch. Mounika, K. Harika, D. Swarupa Rani	Earthquake and Hazardous Gases Detection in Coal Mines using IOT	202241062166	Nov 2022
4.	Dr.SVS Ramakrishnam Raju, G.Ramesh Reddy, Prince Sharma, V.Nikhila, G.Vikas Reddy, Ch.Aravind Reddy, A.Bhavani, Monica Singh, Ch.Lavanya, T.Rajashekar, P.Mounika, D.Sravani, P.Divya Sri, T. Ganesh	Intelligent IOT Irrigation System	202241062178	Nov 2022

5.	N.V.Vishwanath, K.Nishakar, PuneetJhabak, Rakhi Kumari Yadav, L. Asritha, Ravi Kumar, M.Vamshi, S.Vinay, V.Nikhil Raj, Ch.Sai Balaji, P.Likitha, S.Pooja, B.Anusha, S.Geeta	Artificial Intelligence Tool for Chest X- Ray Classification	202241062170	Nov 2022
6.	Dr. B. Harikrishna, D. Kirtana, K. Mahinder Reddy, B. Nikhitha, Y. Yogitha, A. Sandyarani, Kapil R Sangani, K. Trishan, B. Rakesh, KVS. Remanth, A.Raju, M. Bharat Kumar, M. Gouthami, V. Sirisha	Design and Implementation of Anti- Theft ATM Machine using IOT Technology	202241062177	Nov 2022

Awards/Recognitions (Faculty) :



**Mr. S.P. Manikanta
(Associate Professor)**

Faculty of ECE Mr.S.P.Manikanta secured State II Rank in Research Common Entrance Test (RCET-2022) held by Andhra University, Visakhapatnam.



**Mr.G.Sanjeev
(Assistant Professor)**

Faculty of ECE Mr.G.Sanjeev participated in 5 day National workshop on "Machine Learning and Deep Learning Techniques for VLSI" from 15th-19th NOV 2022, Organized by MERG, ECE, Koneru Lakshmaiah Education Foundation.



Awards/Recognitions (Faculty) :



Mr.K.Balasubramanyam
(Assistant Professor)

Top ranking in NPTEL course: **K Balasubramanyam(22CS100S63693848)** successfully completed NPTEL online course at the SWAYAM platform, Jul-Oct 2022. Course : "**Operating System Fundamentals**"



Top ranking in NPTEL course: **K Balasubramanyam(23CS20S33752166)** successfully completed NPTEL online course at the SWAYAM platform, Jul-Apr 2023. Course : "**The Joy of Computing using Python**"



Awards/Recognitions (Faculty) :



Mr.G.Poshamallu
(Assistant Professor)



Top ranking in NPTEL course:
G.Poshamallu(23CS42S63751802)
successfully completed NPTEL online course at the SWAYAM platform, Jan-Apr 2023. Course : "Cloud Computing"

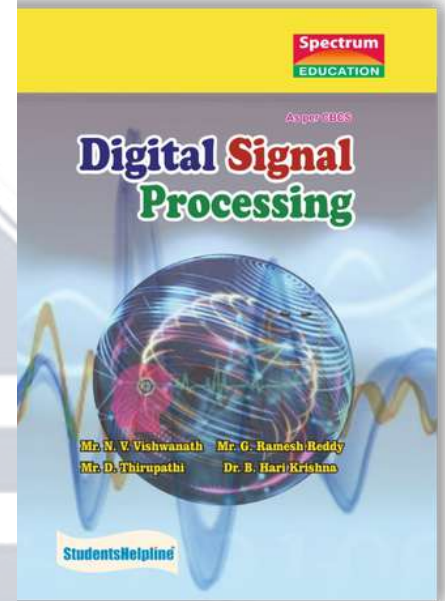


Top ranking in NPTEL course:
G.Poshamallu(23CS18S53750088)
successfully completed NPTEL online course at the SWAYAM platform, Jan-Apr 2023. Course : "Introduction to Machine Learning"

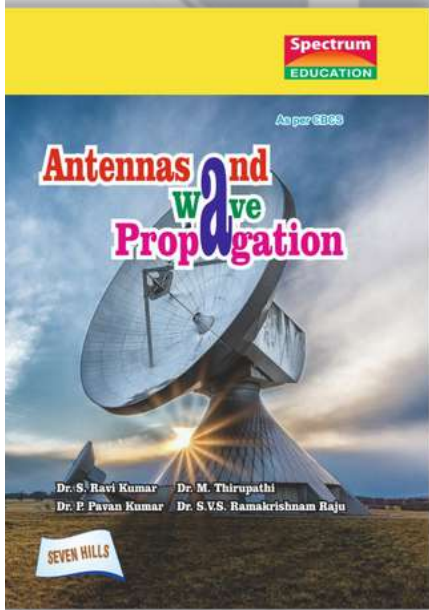
Book Publications (Faculty)



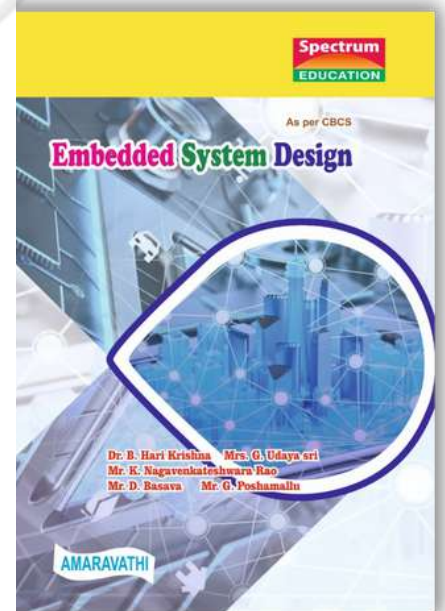
Dr. B. Hari Krishna
 Mrs. Sunita Arvind Rathod
 Ms. L. Chandra Shekar
 Mr. G. Ramesh



Mr. N. V. Vishwanath
 Mr. G. Ramesh Reddy
 Mr. D. Thirupathi
 Dr. B. Hari Krishna



Dr. S. Ravi Kumar
 Dr. M. Thirupathi
 Dr. P. Pavan Kumar
 Dr. S. V. S. Ramakrishna Raju



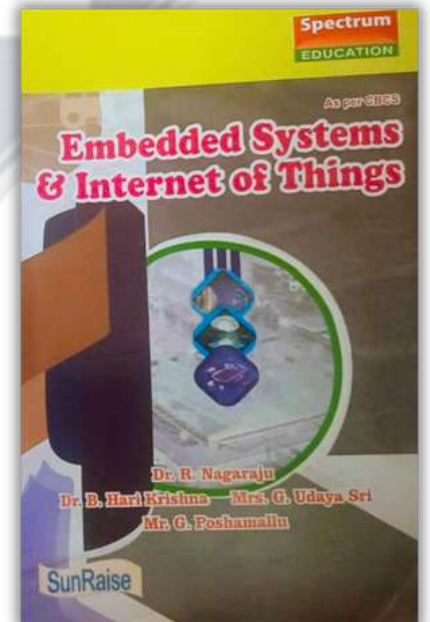
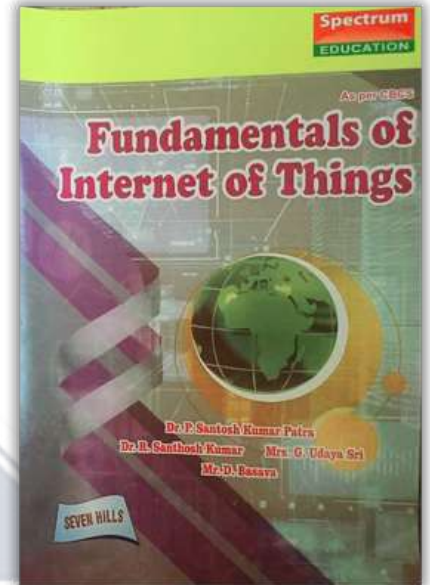
Dr. B. Hari Krishna
 Mrs. G. Udaya sri
 Mr. K. Naga Venkateshwara Rao
 Mr. D. Basava
 Mr. G. Poshamalla



Dr. P. Santosh Kumar Patra
(Group Director and principal)

Dr. H. Santosh Kumar
Mrs. G. Udaya Sri
Mr. D. Basava

Dr. B. Hari Krishna
Mrs. G. Udaya sri
Mr. D. Basava



Dr. R. Nagaraju
Dr. B. Hari Krishna
Mrs. G. Udaya Sri
Mr. G. Poshamallu



Mr. G. Ramesh Reddy
Mr. N. V. Vishwanath
Mrs. G. Laxmi Priyanka

Paper Publications [Faculty]

1.	S.P. Manikanta, Dr. P. Santosh Kumar Patra (Group Director and principal)	Smart Traffic Congestion Control using Video Processing	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
2.	S. P. Manikanta1, P. Niswana2, K. Nandini3, K. Nervigna4, P. Rahul Kumar5	Multibit Error Detection and Correction Codes for Fast Decoding of Critical Bits	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
3.	S.P. Manikanta1, A. Venkat Sai Goud2, B. Sravani3, N. Tarun Reddy4, D. Swaroop Kumar5	Real Time Traffic Control System using Image Processing	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
4.	K.Sushmitha1, K. Mounika2, A. Srivastav3, K.N.S Harish Kumar4, Kalangi Balasubramanyam5	IoT Based Atm Crime Prevention System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
5.	A. Sai Tejaswini1, B. Rakesh2, B. Ajay Kumar3, G. Vaishnavi4, Gabbeta Ramesh5	Smart Blind Stick	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
6.	B. Anil Kumar1, B. Hemanth2, G. Sree Vaishnavi3, M. Nithin4, Sunita Arvind Rathod5	Obstacle Avoidance Robot	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
7.	E. Geethika1, G. Sai Akanksha2, K. Rohan Sai3, K. Rohan Kumar4, D. Basava5	New Lossless Image Encryption of Color Images	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
8.	G. Mahesh1, K. Mahesh Reddy2, M. G. Pavan Kalyan Reddy3, V. Thanishka4, M.Venkanna5	Automatic Traffic Density Control System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
9.	Abdullah Siddiqui1, K.N.S Santosh2, A. Rajesh3, S. Vamshi4, K. Balasubramanyam5	Text Dependent Speaker Verification System for Robotic Applications	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
10.	Dr. B. Hari Krishna1,M.Bhavana2, K.P.S.Kaushik3, N.Roop Pavan4, G.Vikram Reddy5	IoT Smart Garbage Level Alert	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
11.	P. Sarika1, A. Sruthi2, M. Sandeep3, P. Jayadhithya4, Dr. B. Hari Krishna5	Reduction Of PAPR in OFDM Systems	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
12.	G. Poshamallu1, R. Pravalika2, P. Rohith3, D. Pragathi4, K. Siva Sahithi5	Footstep Power Generation	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
13.	Ms. P. Pushpa1, U. Swathi2, P. Vamshi3, P. Akhil Reddy4, D. Prabhakar Reddy5	Rf Based Automatic Traffic Route Clearance System for Ambulance Using Arduino	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
14.	P. Rajesh1, E. Varshitha2, D. Sandeep3, G.L. Narayana4, K. Sankeerth Sai5	IoT Based Smart Energy Meter	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1 1.

15.	G. Ramesh Reddy1, Pavan Seervi2, N. L. Venkateswara Reddy3, C. V. Vishnu4, B. Arun5	Efficient Design of Hybrid Subtractor using QCA	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
16.	V Varshitha1, G Meghana2, M Kalyan Reddy3, V Kanaka Mahadevi4, S Ravi Kumar5	IoT Based Intelligent Irrigation System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
17.	D. Thirupathi1, A. Alekhya2, K. Venkat Vishal3, P. Sai Vishal Kumar4, Syed Sameer5	Video Enhancement Using Spatial Filtering	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
18.	A. Vasavi1, M. Pavan Karthik2, C. Pavan Aditya3, S. Krishna Prasad4, A. Vinay Kumar5	Content Based Medical Image Retrieval Using Pattern Recognition	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
19.	Vikranth Rajbhar1, Karanam Anil2, K. Shivanand Rao3, N. Sandeep4, Venkanna Mood5	Electronic Door Open & Lock System Using IoT Technology	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
20.	B. Naga Sravya1, B. Chandana2, G. Uma Varun Kumar3, K. Shiva4, G. Laxmi Priyanka5	Vlsi Implementation of Fault Tolerant Codec Using Verilog	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
21.	D. Nikileshwar1, Sameer Khan2, Sai Suraj3, K. Naga Venkateshwara Rao4	IoT Based Movable Road Divider	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
22.	Sunita A Rathod1, K. L. Deepika2, B. Tirumal Rao3, Ch. Sravya4	IoT Based Smart Home Automation	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
23.	P. Pavan Kumar1, N. Shiva2, K. Monika3, K. Sai Kiran4, K. Nishakar5	Nano-Calculator Using Quantum Dot Cellular Automata	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
24.	B. Swapna1, N.B.N Swamy2, Y. Harsha Vardhan3, Y. Likitha Devi4, G. Ramesh Reddy5	Drowsy Driver Detection and Alert Through Internet of Things	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
25.	E. Sai Charan1, I. Prem Sai2, G. Raksheth3, R. Karthik4, G. Sanjeev5	IoT Based Smart Helmet	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
26.	A John Ratna Kumar1, B Sanjay2, M Abhinay Kumar Reddy3, Y Lohith Sai Prasad Reddy4, G. Udaya Sree5	IoT And GSM Based Tank Water Level Monitoring and Controlling System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
27.	A. Abhishek1, V Aravind2, P S Sravani3, T Shreya4, S. Ravi Kumar5	IoT Gas Pipe Leakage Detector Insect Robot	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
28.	A. Sai Karthik1, E. Sakhitha Anasurya2, G. Vamsi Sai Naidu3, J. Chandu4, K. Nishakar5	RFID-Based Toll Booth Management System Using IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
29.	Kukutapu Sreya1, Adepu Sai Sri2, Boballa Abhinaya3, Macha Preethi4, Naga Venkateshwara Rao K5	IoT Based Coal Mine Monitoring System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1

30.	T. Rupa ¹ , A. Pravalika ² , G. Raja Ravindra ³ , Ch. Venkateswarlu ⁴	Implementation Of FIFO Using Ternary Content Addressable Memories	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
31.	A Shreya ¹ , B Gowtham ² , D Lavanya ³ , G Sathya ⁴ , P Rajesh ⁵	AI Face Mask Detection System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
32.	Mr. N. Vishwanath ¹ , Raju Ayileni ² , T. Shiva Prakash ³ , D. Vishnu Karthik ⁴ , D. Datta Prasad ⁵	IoT Based Data Acquisition in Powergrid	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
33.	D. Basava ¹ , U. Bhavana ² , P. Amulya ³ , S. Sriraj ⁴ , S. Saiganesh ⁵	Underground Power Cable Fault Detection Using IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
34.	Mr. G. Ramesh Reddy ¹ , G. Pavan Kumar ² , B. Sai Charan Reddy ³ , Shaik Zubair Hussain ⁴ , M. Sai Kiran ⁵	Area Power Tradeoff Of Full Adder Using GDI Technique	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
35.	C. Radhika ¹ , N. Harsha Vardhan Goud ² , P. Shiva Teja ³ , P. Sri Krishna ⁴ , K. Naga Venkateshwar Rao ⁵	Iterative Partitioning Mean Shift Clustering for Segmentation Of H&E Stain Images	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
36.	Mrs. G.Udaya Sree ¹ , Anirudh Jaju ² , Kunchala Keshava ³ , Matthew Maschil ⁴ , Budda Krishna ⁵	Tissue Segmentation for MRI Brain Image	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
37.	A Abhishek ¹ , Ch Chandra Mouli ² , V Venkat Teja ³ , G Rushika Reddy ⁴ , Dr. SVS Rama Krishnam Raju ⁵	IoT Based Smart Street Light	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
38.	Dr. P. Pavan Kumar ¹ , E. Sumith ² , G. Vishal ³ , G. Sai Pratheek ⁴ , K. Rahul Reddy ⁵	Palm Print Biometric Authentication System for Security Applications	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
39.	A. Chakridhar ¹ , M. Santhoshini ² , N. Sai Vardhan ³ , D. Rajesh ⁴ , S. Ravi Kumar ⁵	IoT Fingerprint Attendance Monitoring System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
40.	K. Rajeshwar ¹ , R. Shiva Teja Reddy ² , N. Manasa ³ , T. Subhash Chandra ⁴ , Y. Satya Sai Srinivas ⁵	Design Of Reconfigurable LFSR for VLSI IC Testing	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
41.	N.Vyshnavi ¹ , D. Niharika ² , B. S. Shruthik Kumar ³ , T. Vamshi Krishna ⁴ , P. Kiranmayee ⁵	Self Service Automated Petrol Pump Using RFID	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
42.	S. Sai Tharun Reddy ¹ , M. Sindhu ² , P. Thirupathi Nayak ³ , M. Shiva ⁴ , G. Sanjeev ⁵	GSM Vehicle Security Theft Control System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
43.	K.Thanushree ¹ , M. Deeraj Kumar ² , M. Navaneetha ³ , Md.Asheesh ⁴ , Dr. M.Thirupathi ⁵	Railway Track Fault Detection and Reporting Over IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
44.	P. Manisha ¹ , N. Anusha ² , Y.V. Sujeeeth ³ , Yash. S. More ⁴ , P. Kiranmayee ⁵	Real Time Secure Text Transmission Using Video Steganography	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1

45.	G. Bhavana1, G. Niharika2, K. Ashritha3, Dr. M. Thirupathi4	Vehicle Accident Detection and Rescue System Using GSM & GPS Modules	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
46.	B Chaitanya Yadav1, B Vineel Kumar2, P Dharma Teja3 S. Sreeja4, S Ravi Kumar5	Fault Space Transformation: A Generic Approach To Counter Differential Fault Analysis Using AES Based Block Ciphers	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
47.	M. Govind Raj1, A. Rishitha2, P. Adithya Vardhan Reddy3, Tarun Thorat4, V. Srivallli5	Optimizing The Power Accuracy Trade-Off In Approximate Adder	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
48.	K. Heeral1, K. Ravi Teja2, M. Gayathri3, V. Venkatesh4, N. Vishwanath5	Health Monitoring System Using IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
49.	SP. Manikanta1, M. Bhanu Chander2, B. Sri Lekha3, B.Sathvika4, N. Dheeraj Kumar5	Robot Controlled by IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
50.	K. Pavani1, K. Harsha Vamshi2, N. Mahesh Reddy3, P. Sumanth4, Ch Venkateswarlu5	An Interactive Segmentation for Face Segmentation In Real Time Images And Videos	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
51.	K. Venu Gopal1, M S. Anjan Yadav2, M. Sai Nikhil3, P. Bala Manikanta4, Dr. M. Thirupathi5	IoT Based Industrial Security System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
52.	N. Deepika Reddy1, N. Ajay2, G. Kalyan3, K. Mahesh4, Venkanna Mood5	GSM Based Home Security System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
53.	M. Veena1, M. Akhil2, K. Sai Kiran3, P. Abhishek4, K. Divya Vani5	IoT Based Wheelchair Fall Detection And Prevention System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
54.	K. Bharath Kumar1, A. Rajashekar2, K. Srikanth3, A. Vasavi4	Automatic Tumour Extraction from MRI Brain Images Using Hybrid Clustering Algorithm	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
55.	Syed. Ashraf1, K. Akhil2, Md. Mubeen3, S. Sai Raghava4, D. Thirupathi5	Design Of Median Data Sorting Using Multiplexer Logic	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
56.	G. Poshamallu1, P.V.Satvik2, P.S.Karthik3, G.Deekshith Reddy4, M.Surrender5	Verilog Implementation Of 4*4 Crossbar Switching Based NOC	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
57.	Dr. P. Pavan Kumar1, A. Sai Ram2, K. Charan3, K. Kushal4, N. Alekhya5	IoT Based Visitor Count Energy Saving System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
58.	P. Pushpa1, P. Sonika2, G. Hari Krishna3, M. Yagna Priya4, S. Udaychandra5	Implementation Of Psuedo Test Pattern Generation and Reseeding	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1

59.	K. Sravan Kumar1, R. Vinay Kumar2, S. Sharath Reddy3, T. Pranay4, G. Laxmi Priyanka5	Fingerprint And Iris Authentication System for Biometric Applications	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
60.	Neelisetty Lakshmi Sravya1, Gujjari Aishwarya2, Kolleti Rajeshwari3, Goda Shresta4, M. Govind Raj5	IoT Based Smart Women Security System	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
61.	Pittala Naveen1, Miryala Meenakshi2, T Raghu Varma3, Dr. M. Thirupati4	Medical Image Water Marking Using DWT and SVD Algorithm	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
62.	M. Geethika1, M. Soujanya2, N. Harshitha3, T. Mounika4, K. Rajeshwar5	IoT Based Vehicle Parking System Using IR Sensor	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
63.	B. Dasu1, K. Surya Prakash2, K. Shreyas3, M. Adarsh Reddy4, A. Sai Nithish5	IoT Based Aerial Defence and Attack System	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
64.	C. Pavan1, B. Yashwanth2, S. Sai Pranay3, S. Uday4, G. Ramesh Reddy5	Hand Gestures Identification Using PCA and SVM	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
65.	K. Vishnu Sai1, P. Raju2, M. S. Vandana3, Dr. Sanjay Kumar Suman4	RFID Based Smart Shopping Trolley for Auto Billing System	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
66.	K. Nishakar1, K. Srikanth2, M. Vinay Kumar3, P. Sai Deekshith4, V. Sai Charan5	Chest X-Ray Image Denoising for Covid-19 Detection Application	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
67.	B. Dasu1, K. Akash2, L. Rahul3, M. Surendra Kumar4, T. Madhulaty5	IoT Controlled Bomb Detection Robot	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
68.	M. Shivakoteswar Rao1, P.Ashish2, S.Ajay3,V.Vikas Reddy 4, G.Shiva Kumari5	Design Of FIR Filter Using Vedic Multiplier	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
69.	D. Sai Tharun1, G. Dinesh2, G. Sai Srujan3, N. Deepakgoud4, Dr. P. Pavan Kumar5	Moving Target Detection In Real Time Videos	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
70.	L. Chandrashekar1	Style T-Gan: Modifying the Power Of Gans For Fast Large-Scale Text-To- Image Synthesis	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
71.	Gabbeta Ramesh1, Dhanne Basava2	IoT Based Intelligence Vehicle Presence Detection System For Smart Parking	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1
72.	Dhanne Basava1,Gabbeta Ramesh2	Design And Implementation of Wireless Voice Controlled Intelligent Obstacle-Avoiding Toy Car System	4th Online International Conference on “Smart Modernistic in Electronics and Communication” (ICSMEC-23) ISBN No: 978-93-91420-16-1

73.	G. Ramesh Reddy1, S. P. Manikanta2	Automatic Vehicle Accident Detection And Instant Messaging Using GPS and GSM	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
74.	A. R. Sunita1	Combustible Gas Detection with GSM Alert Using Arduino	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
75.	K. Naga Venkateshwara Rao1	Underwater Image Color Correction and Contrast Enhancement Based On Hue Preservation Using Deep Learning	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
76.	K. Dharani1	College Faculty Dashboard Implementation Using IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
77.	Gadi Sanjeev1	Fingerprint Voting System	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
78.	G. Udaya Sree1	Vehicle Movement Street Light with Light Sensing Atmega	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
79.	K. Divya Vani1	Heart Disease Prediction Using Long Short-Term Memory (LSTM)Deep Learning Methodology	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
80.	D.Thirupathi1	Related Issues In A Polynomial-Based Efficient Key Management System For IoT Wide Area Network	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
81.	Kalangi Balasubramanyam1, Garla Ramesh2, G.Shivvia Kumari3, P.Pushpa4	Fault Detection of Underground Cables through node mcu based On IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
82.	B. Ansha1	Pollution Monitoring System Over an IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
83.	G. Poshamallu1	Internet Of Things (IoT) For Next-Generation Smart Systems: A Review Of Current Challenges, Future Trends And Prospects For Emerging 5g-Iot Scenarios	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
84.	Dr. P. Pavan Kumar1	Design And Development of Precision Agriculture System Using Wireless Sensor Network	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
85.	Ch. Venkateswarlu1	Harmful Gases Wireless Network Monitoring System Design	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
86.	NeerugattiVaripally Vishwanath1	Offline Handwritten Alphabetical Character Recognition SVM And MQDF Hybrid Classifier	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
87.	Potaparthini Kiranmayee1, G. Laxmi Priyanka2	Wireless Blackbox for Cars Using Sensors and GPS Module	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
88.	G.L. Priyanka1, P. Kiranmayee2	Deferral Enhanced Full Adder Proposal For High Speed VLSI Applications	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1

89.	Venkanna Mood1	Evaluation Of Different Processor Architecture Organizations for On-Site Electronics In Harsh Environments	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
90.	P Rajesh1	Design Of Smart Healthcare Monitoring Framework Using Cloud Computing and IoT	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
91.	G. Shivakumari1, P. Kiranmayee2, G. Laxmi Priyanka3	Innovative Home Locker Safety Security Structure by Arduino Uno Based on Expansion Of GSM	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
92.	S Ravi Kumar1	Design Of Inset Feed Rectangular Microstrip Patch Antenna for Radar Applications	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
93.	K. Nishakar1, Mr. S. Ravi Kumar2, Ms. P. Pushpa3	Image Processing Based Fault Detection in PCB	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
94.	Pushpa P1, K. Nishakar2, K Balasubramanyam3	CMOS Multiplexer Layout Design and Simulation By Using Different Technologies	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
95.	B. Dasu1, Mr. Gabbeta Ramesh2	Research Challenges and Future Applications In Internet Of Things	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
96.	K. Rajeshwar1	IoT Based Flood Avoidance	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
97.	M. Govind Raj1	Copyright Protection And Security To Digital Image Against Different Attacks	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
98.	Dr. M. Thirupathi1	Reduced Mutual Coupling Multiband MIMO Patch Antenna with Swastik Type EBG	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
99.	Dr. B. Harikrishna1 Dr. P. Santosh Kumar Patra2	Ventilator Using Arduino with Blood Oxygen Sensor for Covid Patients	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
100.	Dr. SVS. Ramakrishnam Raju1	Real Time Monitoring of Water Quality InIoT Environment	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
101.	Garla Ramesh1	Medical Remote Monitoring of Multiple Physiological Parameters Based on Wireless Embedded Internet	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1
102.	Hitha Poddar1, G. Sujesh2, Dr. L. Bhagyalakshmi3, Dr. Sanjay Kumar Suman4	A Deep Prediction of Chronic Kidney Disease by Employing Machine Learning Method	4th Online International Conference on "Smart Modernistic in Electronics and Communication" (ICSMEC-23) ISBN No: 978-93-91420-16-1

ACTIVITY CORNER**III Year ECE Students Registered For Minor Degree In AI & ML Course. Total 21 Students have Registered. Details as below:**

S.NO	HallTicket	Student Name
1.	20K81A0408	BOLLIBATHULA SAHANI
2.	20K81A0420	KARUPOTHULA ASHA NAGA VALLI
3.	20K81A0466	BAGATHI SINDHU
4.	20K81A0471	BONDILI KEERTHANA
5.	20K81A0472	BONGU.PAVAN KUMAR
6.	20K81A0474	BORLEPU VAMSH KRISHNA
7.	20K81A0485	GYARALA PARINAYEE
8.	20K81A0498	P.L.N.Y.D.SAI SURYA SHARMA
9.	20K81A0499	PARNANDI MEGHANA
10.	20K81A04A7	SATTI SAI PAVAN
11.	20K81A04D2	BUDIDHA ABITEJ GOUD
12.	20K81A04E1	GADIPUDI KHADRI SRI SAI ASHWIN CHOWDARY
13.	20K81A04H6	VEERA VIJAY PARDHU
14.	20K81A04J1	BARIBADDALA SAI DEEKSHITH
15.	20K81A04J6	E.ROHITH REDDY
16.	20K81A04J7	JAGARLAMUDI ABHIRAM
17.	20K81A04K1	KOMMERA ROHITH REDDY
18.	20K81A04K8	PARMAGOUNI HARSHA VARDHAN GOUD
19.	20K81A04L4	SOMAWAR SAICHARAN
20.	20K81A04M5	CHINTHAKUNTLA.UDAYASIMHA
21.	21K85A0401	RAYAPUDI GREESHMA

Department of ECE Submitted Ideas for Yukti Innovation Challenge Under Yukti 2.0 Innovation Repository. Details as below:

S. No	Batch No.	Roll No.	Student Name	Project Title	Guide Name
1.	A9	19K81A0428	INDRALA PREMSAI	IOT BASED SMART HELMET	Mr.G.SANJEEV
2.		19K81A0422	GANGADHARI RAKSHETH		
3.		19K81A0414	<u>ERIGESHI</u> <u>SAL CHARAN</u>		
4.		19K81A0450	RUDRAVARAM KARTHIK VENKAT		
5.	A10	19K81A0425	GODA SHRESTA	IOT BASED SMART WOMEN SECURITY SYSTEM	Mr.M GOVIND RAJ
6.		19K81A0427	GUJJARI AISHWARYA		
7.		19K81A0432	KOLLETI RAJESHWARI		
8.		19K81A0442	<u>NEELISETTY</u> <u>LAKSHMISRAYYA</u>		
9.	B1	19K81A0471	DODLA NIKILESHWARI	IOT BASED MOVABLE ROAD DIVIDING SYSTEM	Mr.KNV RAO
10.		19K81A04B1	SAMEER KHAN		
11.		19K81A04B2	<u>SATARAM SAI SURAJ</u>		
13.	B6	19K81A04B7	VAMSHI KRISHNA THATIKONDA	SELF-SERVICE AUTOMATED PETROL PUMP	Mrs. KIRANMAYEE
14.		19K81A0499	<u>NUNE VYSHNAVI</u>		
15.		19K81A0472	DUBBAKA NIHARIKA		
16.		19K81A0465	B S SHRUTHIK KUMAR		
17.	B7	19K81A04A0	<u>PAILLA AMULYA</u>	UNDERGROUND CABLE FAULT DISTANCE IDENTIFIER OVER INTERNET OF THINGS (IOT)	Mr. BASAVA D
18.		19K81A04A9	SAMALA SRIRAJ		
19.		19K81A04B0	SAMBALAHGARI SAIGANESH		
20.		20K85A0415	UMMAGONI BHAVANA		

S. No	Batch No.	Roll No.	Student Name	Project Title	Guide Name
21.	B10	19K81A0485	<u>KOLA THANUSHREE</u>	ADVANCED RAILWAY TRACK FAULT DETECTION AND REPORTING OVER INTERNET OF THINGS (IOT)	Dr.M.THIRUPATHI
22.		19K81A0493	MASUNA NAVANEETHA		
23.		19K81A0491	MAMIDI DEERAJ KUMAR		
24.		20K85A0409	MOHAMMAD ASHEESH		
25.	C2	19K81A04D7	K. SAIKIRAN	IOT WHEEL CHAIR FALL DETECTION SYSTEM	Mrs.K.DIVYA VANI
26.		19K81A04F2	M. VEENA		
27.		19K81A04F5	<u>M. AKHIL</u>		
28.		19K81A04G5	P. ABHISHEK		
29.	D1	19K81A04K8	<u>KOVURI SUSHMITHA</u>	IOT ATM CRIME PREVENTION SYSTEM	Mr. K. BALA SUBRAMANYAM
30.		19K81A04K5	KAMALAPURAM MOUNIKA		
31.		18K81A0464	AMMULA SRIVASTAV		
32.		19K81A04L0	K NAGA SRINIVASA HARISH KUMAR		
33.	D3	20K85A0426	<u>MANNE BHAVANA</u>	IOT BASED SMART GARBAGE ALERT SYSTEM	Mrs. KANTHA RATHNAM
34.		20K85A0428	GODHALA VIKRAM REDDY		
35.		20K85A0432	N. ROOP PAVAN		
36.		20K85A0435	K PARANDAMA SRI KAUSHIK		
37.	D14	19K81A04L9	<u>RAJU AYILENI</u>	IOT BASED DATA ACQUISITION IN POWER GRID	Mr. N. VISHWANATH
38.		20K85A0436	T.SHIVA PRAKASH		
39.		20k85A0433	D.VISHNU KARTHIK		
40.		20K85A0431	D.DATTA PRASAD		

J-HUB

ECE IV Year Students of St.Martin’s Engineering College had participated in a boot camp ‘ENLITE-2021’ organized by J-HUB of JNTUH from 17-06-2021 to 30-06-2021. Over 50 plus colleges across Telangana participated in the competition. St.Martin’s Engineering College students team ‘PHOENIX 1’ have cleared all the 10 levels and secured **II Year Prize** in the final competition. The award ceremony is held on 21-01-2023. J-HUB also offered the team that they will be added to J-HUB incubators team. Angel Investors congratulated the team and offered sponsorship for the proposal. St.Martin’s Engineering College Management and Dr. P. Santosh Kumar Patra, Group Director & Principal, have congratulated the students on their achievement.

The Team Members: **M. Pavan Karthik - 19K81A04L2**

K. Pavani - 19K81A04K6

K. Keshava - 19K81A04L1

J. Anirudh - 19K81A04K4

Date of Event: 17.06.2021 to 30-06-2021

Awarded Date: 21.01.2023



Industrial Visit I

The Department of Electronics and Communication Engineering has organized an industrial visit on 11th November 2022 to CSIR-NGRI, HYDERABAD for the III Year B.Tech Students. The visit was organized with prior permission and guidance of our beloved Group Director & Principal, Dr.P.Santosh Kumar Patra Sir and ,Dr.B. Hari Krishna, HOD ECE. After reaching the industry, the students were taken to the manufacturing unit and the demonstrator explained the process of Ground Level Management and Sesimographic Lab



Principle scientist Dr.Vijaykumar interacting with our students

Students gained the following benefits from this industrial visit :

- Primary wave (P-wave) seismic refraction
- Magnetics.
- Very-low- frequency electromagnetic
- Inductive electromagnetic terrain conductivity
- Two-dimensional direct-current electrical resistivity



Industrial Visit II

The Department of Electronics and Communication Engineering has organized an industrial visit on 17th November 2022 to LED chip Indus Private.Limited for the II Year B.Tech students.

The visit was organized with prior permission and guidance of our beloved , Group Director & Principal Dr.P.Santosh Kumar Patra Sir, and Dr.B. Hari Krishna, HOD ECE. Mr.S.P.Manikanta is the coordinator and Mrs. Sunita A Rathod and Mr.P.Rajesh are the co-organizers of this industrial visit.



After reaching the industry, the students were taken to the manufacturing unit and the demonstrator explained the process of manufacturing the LEDs. This explanation helped the students to gain the practical knowledge on LEDs.

Students gained the following benefits from this industrial visit :

- Making semiconductor wafers.
- Adding epitaxial layers.
- Adding metal contacts.
- Mounting and Packaging.



Industrial Visit III

The Department of Electronics and Communication Engineering has organized an industrial visit on 29th November 2022 to ISRO-NRSC Organization for the III Year B.Tech students. The visit was organized with prior permission and guidance of our beloved, Group Director & Principal Dr. P. Santosh Kumar Patra Sir, and Dr. B. Hari Krishna, HOD of ECE. Mr. S.P. Manikanta is the coordinator and Mr. K. Nihakar and Mrs. J. Indiramma are the co-organizers of this industrial visit.



Students gained the following benefits from this industrial visit :

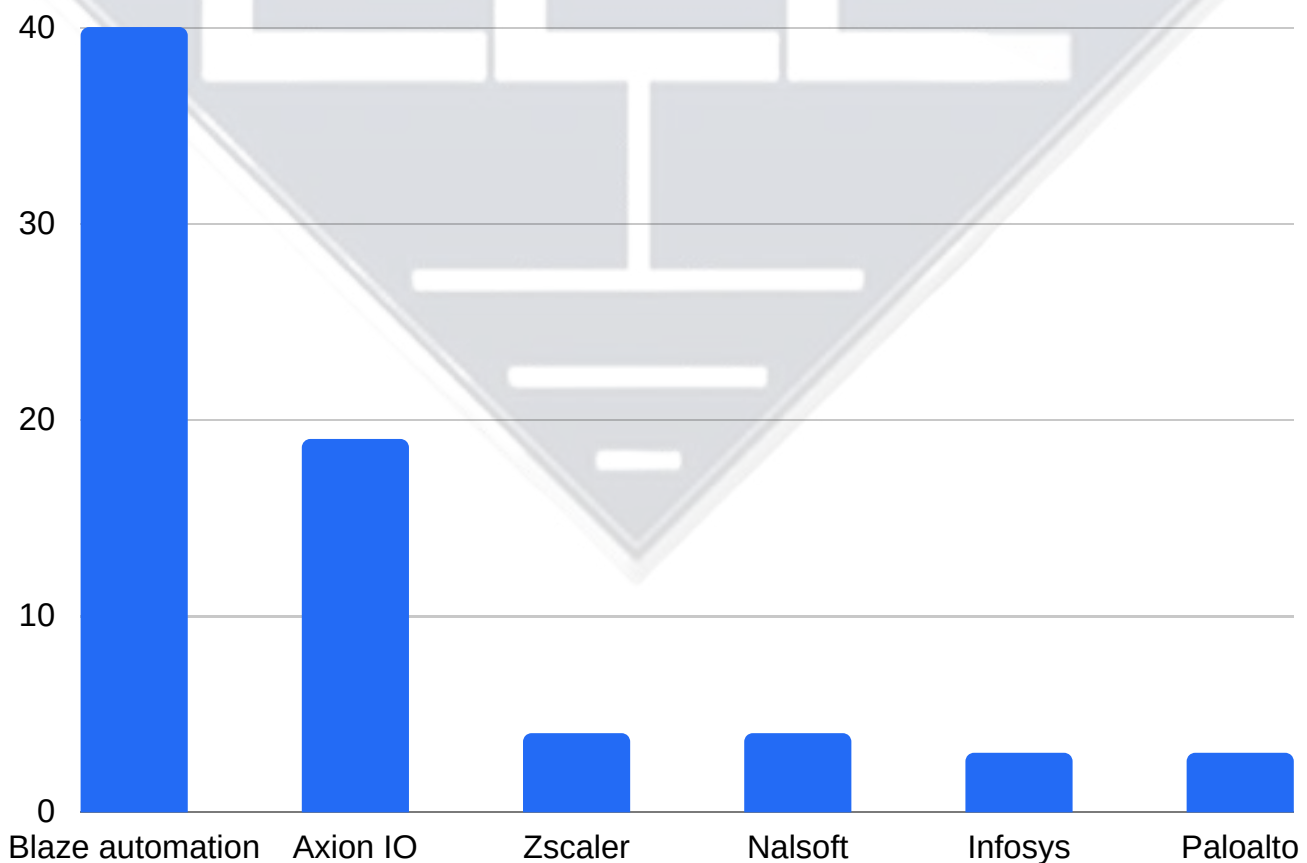
- Good exposure on how the rocket was assembled, loaded and launched.
- Facts, problems encountered and how they were resolved during the launch of "Chandrayaan" project.



STUDENT'S CORNER

Placement Details

The Campus placement cycle of 2023 Batch started in June 2022. As of June 2023, 326 offers were secured by the B-Tech students during the campus placement cycle. A total of 240 B-Tech students enrolled for the campus placement. The highest package provided by the companies is 19.50 LPA and an average package of around 4 LPA.



Shinning Stars Of ECE Department

Heartiest Congratulations to the following student for getting placed in **PALOALTO & ZSCALER** with the highest Package of **58.00 LPA & 19.50LPA**



C. CHANDRA MOULI
Paloalto
58.00LPA



M. PAVAN KARTHIK
Zscaler
19.50 LPA

Heartiest Congratulations to the following Students for Getting Placed in:



A. JOHN RATNA KUMAR
Axiom IO
6.00 LPA



YASH SANTOSH MORE
Axiom IO
6.00 LPA



VEENA MAMDE
Blaze Automation
5.00 LPA



EDULA VARSHITHA
Blaze Automation
5.00 LPA



G.SATHYA SAI RAM
Blaze Automation
5.00 LPA



G. VAMSI SAI NAIDU
Blaze Automation
5.00 LPA



ERIGESHI SAI CHARAN
Nalsoft
5.00 LPA



CH.CHANDRA MOULI
Infosys
3.60 LPA

Student Achievements :



Department of Electronics and Communication Engineering, University College of Engineering Science and Technology- JNTUH Hyderabad organized a project expo 'EXHIPRO-SPOORTHI 2023' on 26th April 2023. The students of II year ECE, St.Martin's Engineering College, Secunderabad won 2nd prize in the event and received cash prize of Rs. 1000 from JNTUH.

A total of 25 batches from various colleges across Telangana participated in the project expo.

The II year ECE students Mr. P. Dileep Kumar, Ms. B. Kruthika and Mr. U. Aakash exhibited the working model 'Smart Blind Stick' in the competition and explained the advantages of 'Smart Blind Stick' compared to general blind stick. The student's team also explained the features of the model and how it is useful to the visually impaired persons.



NCC Wing



NCC Cadets:

1. D. Sindhuja (ECE-2C)
2. K. Sai Nandana (ECE-2A)
3. Sai Naga Srinivas (ECE-2A)
4. Boini Mahesh (ECE-2A)
5. B. Pavan Sai (ECE-2C)
6. Kesava Dass (ECE-2C)



Sports Events

Faculty and Students of the ECE Department have participated in the Inter-Department Sports competitions held at St. Martin's Engineering College. We are proud to say that the ECE Faculty and Students have teamed up and won multiple competitions that include – Winners for Cricket(Faculty), Winners for Table Tennis(Faculty), Winners for Kabbadi (boys) , Runners for Volleyball(boys),



Runners for Cricket(boys), Winners for Volleyball(girls), Runners for Basketball (girls), Winners for Kho Kho (girls). Individuals have won Gold and Silver medals for High Jump, Shot Put, Long Jump and Relay.



Helping Hands



Helping hands was initiated in our college in the year 2016 by Shaik Ilyas from the Civil department. We have conducted a few events recently.

- Plant donation
- Food distribution at Abhi Sai Datta trust
- Fund raiser through idol distribution
- Free Water Camp
- Blanket Donation

Instagram:- hh_organisation

Email: helpinghandsorganization22@gmail.com

నామస్క ఆలంగాణ

అనాథ ఆశ్రమాలకు దుస్తులు పంపిణీ



అనాథ ఆశ్రమాలకు దుస్తులు పంపిణీ చేసేందుకు సిద్ధం చేసిన దూలపల్లి సేయింట్ మార్షిన్ హెల్పింగ్ హ్యాండ్స్ ప్రతినిధులు కుక్కుల్లాపూర్, నవంబర్ 30: అనాథ ఆశ్రమాల్లో ఉంటున్న నిరాశ్రయాలకు దుస్తులు పంపిణీ చేసేందుకు దూలపల్లి సేయింట్ మార్షిన్ హెల్పింగ్ హ్యాండ్స్ ఎన్జీఓ సంస్థ ముందుకొచ్చింది. నగరంలోని మూడు ప్రదేశాల్లో ఉన్న రామాంజనేయ చారిటబుల్ ట్రస్ట్ వృద్ధాశ్రమం, దర్మశాస్త్ర వృద్ధాశ్రమం, స్లమ్ ఏరియాల్లో సుమారు 400 మంది నిరాశ్రయాలకు దుస్తులు పంపిణీ చేసేందుకు కళాకాలకు చెందిన హెల్పింగ్ హ్యాండ్స్ ఎన్జీఓ 45 మంది విద్యార్థులు ప్రిన్సిపాల్



Street Cause

“STREET CAUSE ADULT DIAPER DONATION DRIVE” was organized by Street Cause - SMEC which was found in the year 2017, it was an inception of Board members of STREET CAUSE, St. MARTIN’S ENGINEERING COLLEGE. This project was only possible due to the constant support of our respected Group Director & Principal Dr.P.Santosh Kumar Patra Sir, . His inspiring and encouraging words have always been a motivation for us to work with a greater determination.



Glimpses of the Event:

“STREET CAUSE ADULT DIAPER DONATION DRIVE”, the moto of this project is to provide to the people who are under privileged and bedridden with adult diapers. The board had collected benefactions from members of street cause. By the end of the drive the team has donated a total of 11 boxes of diapers each box contains 120 pieces of large size. The Street Cause - SMEC team have collected few survey reports and three old age homes were finalized to donate the diapers. Those old age homes are Sri matha old age home (New bowenpally), Sai Baba old age home (Sikh village) and Happy old age home (Bowenpally).The number of people impacted are around 120+.



“MUSIC CARNIVAL”



“STREET CAUSE MUSIC CARNIVAL” was organized by Street Cause SMEC, which was found in the year 2017, This event is a Fundraiser event for the tenure 2022-2023. It was an inception of Board members of STREET CAUSE, ST. MARTIN’S ENGINEERING COLLEGE(SC SMEC. This event was only possible due to the constant support of our respected Group Director & Principal Dr. P. Santosh Kumar Patra sir, . His inspiring and encouraging words have always been a motivation for us to work with a greater determination.



Glimpses of the Event:

The primary reason for Street cause SMEC to take up this event was to raise funds and help the unprivileged people. The event includes celebrity visits, live DJ, Live band performance and unlimited food stalls. The board of Street Cause SMEC had a fundraiser campaign from II Year Dec 2022 to 09/Dec/2022 in college premises. There was a minimum entry fee for the event and all the people should take pass prior to the event. The cost of each pass is 200 Rupees. A total of 3,478 passes were sold and an amount of 6,95,600 was collected by selling passes. The total expenditure for the event is around 2.5 lakhs.



“STREET CAUSE -RFC-9.0”

“STREET CAUSE RFC-9.0” was organized by Street Cause Hyderabad which was found in the year 2009, this event is a Fundraiser event for the tenure 2022-2023. The event was held at LB Stadium that attracted a crowd of 37,200. It was an inception of the members of STREET CAUSE. STREET CAUSE SMEC made a huge contribution towards the cause which was only possible due to the constant support of our respected Group Director & Principal Dr.P.Santosh Kumar Patra Sir. His inspiring and encouraging words have always been a motivation for us to work with a greater determination.



Glimpses of the Event:

“STREET CAUSE RFC-9.0”, the primary reason for Street cause Hyderabad to take up this event was to raise funds and help the unprivileged people. The event includes celebrity visits, Live band performance and unlimited food stalls. The board of Street Cause SMEC had a fundraiser campaign from 24/03/2023 to 31/03/2023 in college premises.

The event starts with felicitation of the Chief Guest Dr.V.Srinivas Goud Sir followed by Band Capricio's

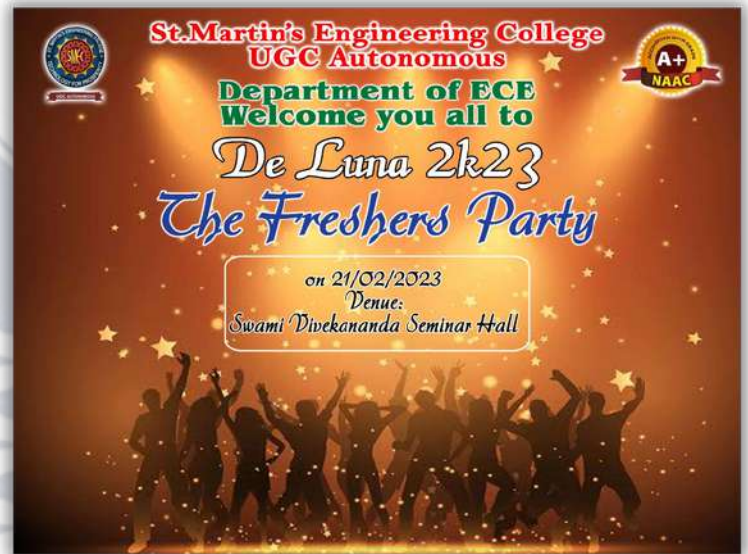
Live performance. The event was then graced by Actress Samantha Ruth Prabhu along with the Shakuntalam team. At 8:30pm the most awaited live solo performance by Armaan Malik began and the entire crowd sang along with him. The event started at 6:00pm and ended at 10:00 pm.



Freshers Day -2023



The students of II Year, Department of ECE have organized 'Freshers Day 2k23' with the guidance of the faculty to welcome the first year ECE students into the Department. The event was named 'Del Luna' followed by a dark theme. The invitees were- Chairman Sir, Executive Director sir, Principal Sir,



HOD of ECE department, HOD of S&H department, Dean academics & Dean R&D, ECE faculty, I & II Year students. The event conducted the activities- Interactive games, Dance performances, Ramp walk, Mr&Miss Freshers and much more.

The HOD sir & Group Director and Principal Sir shared a few wise and welcoming words to the first years. Lunch was provided by the college followed by an Open DJ. On the whole the even was a Grand Success.





Glimpses Of
FRESHERS
DAY 2k23

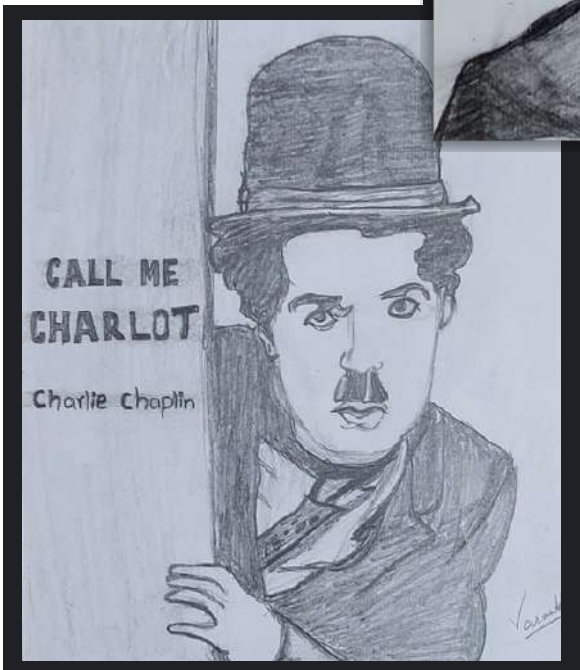
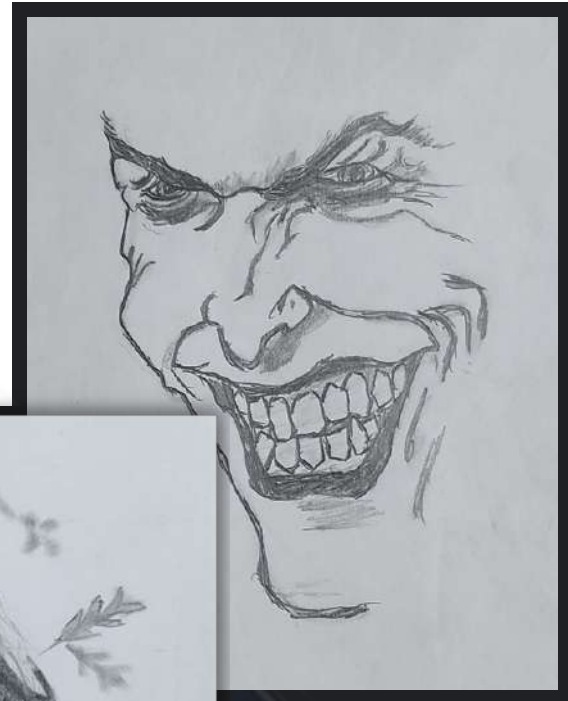


Art Gallery



By
A.Akshitha
21K81A04K6
(ECE-2D)

Art Gallery



By
P. Vasanth Chary
21K81A04N7
(ECE-2D)



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