



ST. MARTIN'S ENGINEERING COLLEGE

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



PULSE

DEPARTMENT OF ELECTRONICS AND COMMUNICATION
ENGINEERING

NEWSLETTER

Volume 1 | Issue 1 | June 2022

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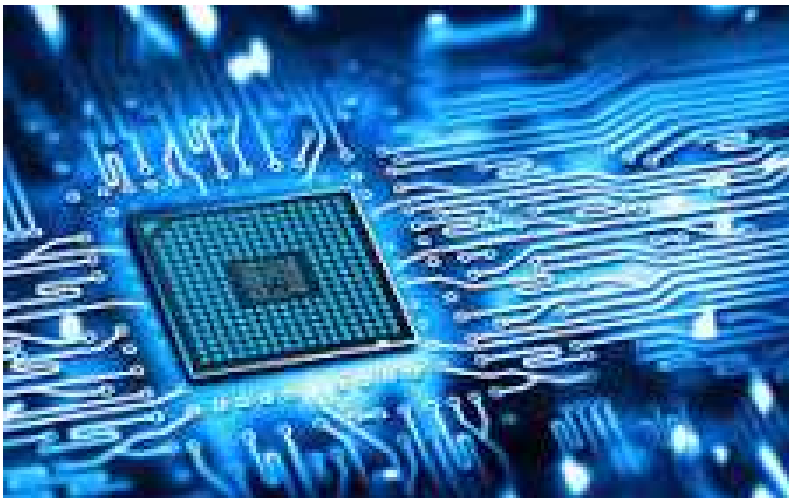
BOARD MEMBERS

44-45

- ➔ 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 240 in 2015-16 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 equipments and software as per the curriculum followed. There are latest hardware equipments like Spectrum Analyzer, Digital Storage Oscilloscopes, RF Generators, Zybo (VLSI) Boards, Electronic Explorer Kits etc. and licensed software including MATLAB, XILINX (Vivado), Code Composer Studio, Visual spice etc., 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
- Analog Electronics/ Electronic Circuit Analysis Lab
- Linear IC Applications Lab
- Digital IC Applications Lab
- Analog and Digital Electronics Lab



Message from the Principal sir



Dr. P. Santosh Kumar Patra
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. The very first 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 3 International Conferences, 7 FDPs, 5 Workshops, 4 Guest Lectures, 3 Seminars and 4 Industrials visits throughout the year to enhance the overall technical knowledge of the students. Co-curricular and extra-curricular activities like Swayamkrushi, 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. 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 the Head of the Department :



Dr . B. Hari Krishna
(Professor & HOD)

Warm greetings!! I am happy to release this year's first issue 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 the last one year. 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 150% placements (every one having more than two offers). Last year more than 20 events organized by our department to develop technical skills to students and faculty. This news letter will carry all our achievements and colourful memory for our department.

Message from 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.



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

Message from DEAN Events and Activities :

Greetings to ECE Family, I am very happy to be a part of the newsletter which is pronounced as a Pulse. This newsletter definitely explores all the corners to achieve. It is great motivation and inspiration to the students and faculties to hit their own interests. To showcase their talent, I believe it is the best platform. So, everyone can utilize at most opportunity. It's my immense pleasure to thank our beloved Principal sir, to approve the proposal for the newsletter. I wish the team of PULSE to succeed furthermore steps in future.



Dr. A. Anand,
(DEAN Events and Activities)

Message from 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



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

Message from Alumini :

Hi Everyone, I am Guduru Sai Pavani worked as Jr Data Scientist at Wings Infonet Limited for 2 years and Currently I am working in Infosys Limited Company as System Engineer. The reason behind my successful career is SMEC.

It was a great experience having B.Tech journey in such a prestigious College, SMEC and I am very happy to be part of this organization and I thank my beloved Principal Sir and Martin's management for supporting me in my career.



Ms. Guduru Sai Pavani

STAFF CORNER

Ph.D. Awardee



Dr.M.Thirupathi
(Professor)

1.**Dr.M.Thirupathi** successfully completed his Ph.D public viva-voce oral examination on **Reduced Mutual Coupling Multiband Multiple Input Multiple Output(MIMO) Micro Strip Antenna** on 2nd March 2021 at Shri Jagdishprasad Jhabarmal Tibrewala University, Chudela, Rajasthan.



Dr.P.Joel Josephson
(Professor)

2.**Dr.P.Joel Josephson** successfully completed his Ph.D public viva-voce oral examination on **Development Of Realtime Sheduler Framework For Task Scheduling In Microprocessor Environment** on 28th July 2021 at Anna University, Chennai.



Dr. Megajolla Suresh Kumar
(Assistant Professor)

3.**Dr.Megajolla Suresh Kumar** successfully completed his Ph.D public viva-voce oral examination on **Analysis of Robust MIMO for Real Propagation Environments** using cost 2100 model on 7th June 2022 at Sri Satya Sai University of Technology and Medical Sciences, Sehere.



Patent Granted(Faculty) :

Dr.A. Chaithanya krishna invented "Fuzzy Logic-Controlling system using morphological Operators" Indian Patent Number-202141030418A (Awarded in the month of July , 2021) Patentee: **Status :Granted .**

Dr.A. Chaithanya krishna invented "A Smart IOT based application to support and monitor bank accounts of an organisation" Indian Patent Number-202241006214A (Awarded in the month of February,2022) Patentee: **Status :Granted .**

Dr.A. Chaithanya krishna invented "Artificial Intelligence tool for Covid-19 detection from chest X-Ray image classification" Indian Patent Number-202241010152A (Awarded in the month of March,2022).
Patentee :**Status:Granted.**



Dr. A. Chaithanya krishna
(Professor)

Dr.P . Joel Josephson invented "Synthesis of E-Waste based on Machine learning & Artificial Intelligence autonomous system for Smart environment" Indian patent Number-202141044783A (Awarded in the month of October 2021) Patentee : **Status :Granted .**

Dr.P . Joel Josephson invented "Designing a Robot With Dielectric material to work in high voltage electric environment" Indian Patent Number _202241013549A (Awarded in the month of March, 2022)
Patentee : **Status :Granted .**

Dr.P . Joel Josephson invented "Smart Solar Celled Vehicle with Nano Particles for efficient utilization of renewable energy source" Indian Patent Number-202211015032A (Awarded in the Month of April, 2022)
Patentee : **Status :Granted .**



Dr.P . Joel Josephson
(Professor)

Dr.M. Thirupathi invented " Implementation of multi-junction Solar cells for increasing the efficiency of solar energy systems" Indian Patent Number- 202241021305A (Awarded in the Month of April 2022) Patentee : **Status : Granted.**



Dr. M. Thirupathi
(Professor)

Dr.A.Anand “AN ENERGY STORAGE SYSTEM FOR DISTRIBUTED RENEWABLE ENERGY SOURCE IN DISTRIBUTION NETWORK” Indian Patent Number- 2020104350 (Awarded in the Month of March 2021) Patentee : **Status : Granted.**



Dr.A.Anand
Dean, Events and Activities



Extracts from the Patents Act, 1990

Sect 120(1A) Infringement proceedings in respect of an innovation patent cannot be started unless the patent has been certified.

Sec 128
(1) **Application for relief from unjustified threats**
Where a person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings a person aggrieved may apply to a prescribed court, or to another court having jurisdiction to hear and determine the application, for:
(a) a declaration that the threats are unjustifiable; and
(b) an injunction against the continuance of the threats; and
(c) the recovery of any damages sustained by the applicant as a result of the threats.
(2) Subsection (1) applies whether or not the person who made the threats is entitled to, or interested in, the patent or a patent application.

Sec 129A **Threats related to an innovation patent application or innovation patent and courts power to grant relief.**
Certain threats of infringement proceedings are always unjustifiable.
(1) If:
(a) a person:
(i) has applied for an innovation patent, but the application has not been determined; or
(ii) has an innovation patent that has not been certified; and
(b) the person, by means of circulars, advertisements or otherwise, threatens a person with infringement proceedings or other similar proceedings in respect of the patent applied for, or the patent, as the case may be; then, for the purposes of an application for relief under section 128 by the person threatened, the threats are unjustifiable.

Courts power to grant relief in respect of threats made by the applicant for an innovation patent or the patentee of an uncertified innovation patent
(2) If an application under section 128 for relief relates to threats made in respect of an innovation patent that has not been certified or an application for an innovation patent, the court may grant the application the relief applied for.

Courts power to grant relief in respect of threats made by the patentee of certified innovation patent
(3) If an application under section 128 for relief relates to threats made in respect of a certified innovation patent, the court may grant the applicant the relief applied for unless the respondent satisfies the court that the acts about which the threats were made infringed, or would infringe, a claim that is not shown by the applicant to be invalid.

Schedule 1 **Dictionary**
certified, in respect of an innovation patent other than in section 19, means a certificate of examination issued by the Commissioner under paragraph 101E(e) in respect of the patent

Funded Research & Consultancy Projects Sanctioned

Dr. P. Santosh Kumar Patra(PI) , Dr. B . Hari krishna (Co-PI) received grant for the consultancy project “Automatic Sewage Monitoring System Using IOT” from **Pangaea Trade team pvt. Ltd., Hyderabad**, total funds received 6,49,000/- (Six Lakhs Forty Nine Thousand Rupees).



St. MARTIN'S ENGINEERING COLLEGE
 (Autonomous Institution - UGC, Govt. of India)
 | ESTD - 2002 | NAAC (A+) & NBA Accredited | Affiliated to JNTUH
 | Approved by AICTE | NIRF & ARIIA Ranked | A Non Minority Institute



Letter of Acceptance for Consultancy Work

Ref: SMEC/AQ/CW/ECE/2020-21/01 Date: 04/02/2021

To
 Mr. Pradeep
 Director - Business Operations,
 M/s. Pangaea Trade team Pvt. Ltd., Hyderabad.

Subject: Acceptance of Consultancy Work - Reg.,
 Ref: With reference to your email on dated 19th January 2021.

Dear Sir,

Greetings from St.Martin's Engineering College. We appreciate your initiation towards the consultancy work entitled "Automatic sewage monitoring system using IoT". My staff members have considered your requirement on the proposed consultancy work and agreed to extend support to design and develop the quality product within specified time. The total cost as follows

S.No.	Description	Amount
1	R&D budget	5,00,000
2	Product (Quantity -09)	50,000
3	GST @18%	99,000
Total Amount		6,49,000
(Six lakhs forty nine thousand Rupees only)		

The total R&D budget and product cost is 6,49,000 (includes @18% GST).




Dr. P. Santosh Kumar Patra
 PRINCIPAL
 St. MARTIN'S ENGINEERING COLLEGE
 UGC - AUTONOMOUS
 Survey No. 98 & 100, Dhulapally (V)
 Hyderabad-500100, Telangana.

Sy. No. 98 & 100, Dhulapally, Near Kompally, Dundigal-Gandimalsamma Mandal, Medchal-Malkajgiri Dist, Secunderabad - 500 100, Telangana, INDIA, www.smec.ac.in

The products will be delivered as per below descriptions


S.No.	Product	Specification	Quantity
1	1 x Biotron-W	With Wifi (Konark Hospitals)	1
2	1 x Wateron-W	With Wifi and additional Sensors 2000 LPH Flow sensors, Integration with MPV, Single Phase	1
3	1 x Timeron-W	With Wifi and Integration of Wateron	1
4	1 x Gateway Hub	4G Gateway for connecting multiple devices to a hub if the client site does not have any serviceable internet themselves with GPRS	1
5	4 x Biotron-W	With Wifi (Admerus Biosciences)	4
6	1 x Wateron-G	With additional sensors - 2000 LPH Flow sensors	1
TOTAL			9

We are requesting you to release the EMI payment as per the below mentioned schedule.

S.No.	Particulars	Amount (INR)
1.	Term-1 by Feb,2021	2,49,000.00
2.	Term-2 by March 2021	2,00,000.00
3.	Term-3 by April 2021	2,00,000.00
Total Amount		6,49,000.00
(Six lakhs forty nine thousand Rupees only)		

Request you to transfer the amount of term 1 to the below mentioned bank account
 Account Details: (Current Account)
PRINCIPAL
 St. Martin's Engineering College,
 Bank Name: SBI, kukatpally, Hyderabad,
 Account No: 30667640268
 IFSC code: SBIN0011664
 Swift code: SBININBB725

Thanking you
 Principal Investigator
Dr. P. Santosh Kumar Patra
 Dept. of Electronic and Communication Engineering



Dr. P. Santosh Kumar Patra
 PRINCIPAL
 St. MARTIN'S ENGINEERING COLLEGE
 UGC - AUTONOMOUS
 Survey No. 98 & 100, Dhulapally (V)
 Hyderabad-500100, Telangana.

Awards/Recognitions (Faculty) :



Mr.D.Prasad
(Associate Professor)

D. PRASAD successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : “SWITCHING CIRCUITS AND LOGIC DESIGN” and Has Topped the course with Elite Grade



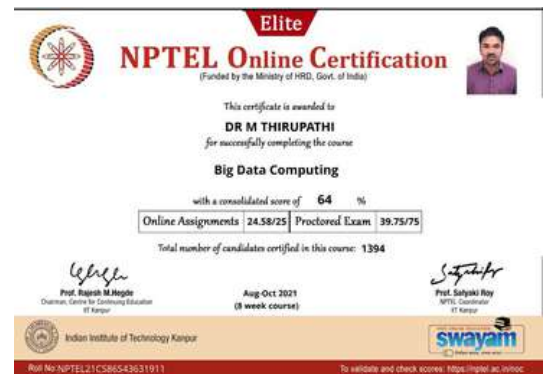
Mr.S.P.Manikanta
(Associate Professor)

Mr.S.P Manikanta successfully completed NPTEL online course at the SWAYAM platform Jul-Oct 2021 Course : “SWITCHING CIRCUITS AND LOGIC DESIGN” with Elite Grade



Dr. M. Thirupathi
(Professor)

Dr. M THIRUPATHI successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : “BIG DATA COMPUTING ” with Elite Grade





Dr . A . Chaithanya Krishna successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Advanced IOT Applications**"



Dr. A. Chaithanya Krishna
(Professor)

Top ranking in NPTEL course: **Dr. A . Chaithanya Krishna** (19CS74531470998) successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Switching Circuits and Logic Design**"



Top ranking in NPTEL course: **Dr. A . Chaithanya Krishna** (21CS63543631908) successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Introduction to Internet of Things**"





Top ranking in NPTEL course: **Kalangi Balasubramanyam (21CS85S23583424)** successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Introduction to Machine Learning**"



Mr.K.Balasubramanyam
(Assistant Professor)

Top ranking in NPTEL course: **Kalangi Balasubramanyam (21CS63S43635644)** successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Introduction to Internet of Things**"



Top ranking in NPTEL course: **Ramesh Gullapally (21CS60S13583764)** successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Hardware Modelling using Verilog**"



Mr.G.Ramesh Reddy
(Associate Professor)

Top ranking in NPTEL course: **Ramesh Gullapally (21CS64S13632833)** successfully completed NPTEL online course at the SWAYAM platform, Aug-Oct 2021. Course : "**Switching Circuits and Logic Design**"



MoU Agreement :

ST MARTIN'S ENGINEERING COLLEGE has MoUS with NEVERGIVEUP COACH PRIVATE LIMITED LTD



ST MARTIN'S ENGINEERING COLLEGE has MoUS with PANTECH E-LEARNING PRIVATE LTD



Pantech e Learning
DIGITAL LEARNING SIMPLIFIED

ST MARTIN'S ENGINEERING COLLEGE has MoUS with SEWING SKY INDIA PRIVATE LTD

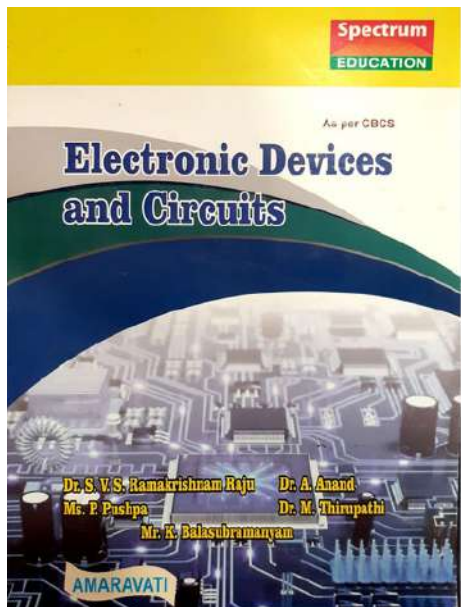


Journal Publications [Faculty]

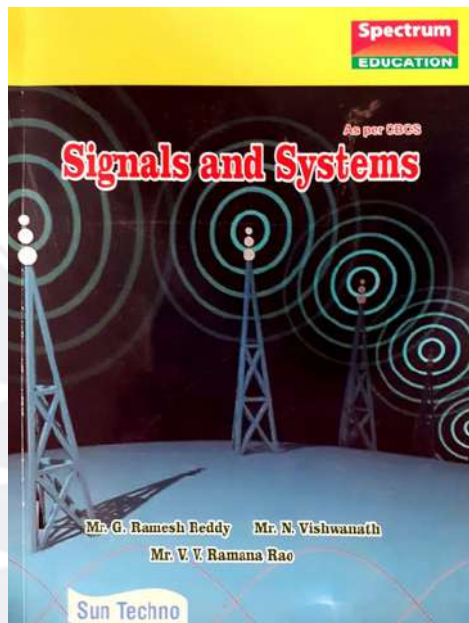
- 1 . **Dr.Santosh Kumar Patra** and **Mr.S.P.Manikanta** "Modern Arm Spy Robot' in 'International Virtual Conference on Emerging Trends on Artificial Intelligence in Industry 4.0" organized by Loyola Institute of Technology, Chennai.
- 2 **Mr.S.P Manikanta** "Modified Channel Estimation Techniques for DCT based OFDM Systems" in IEEE indexed 'International Conference on Computer Communication and Informatics.
- 3 **.Mr. Venkanna Mood**, "An Efficient Design of ASIP Using Pipelining Architecture, "Advances in Intelligent Systems and Computing book series (AISC, volume 846) Springer Singapore, https://doi.org/10.1007/978-981-13-2182-5_12,2022.
- 4 . **C . Harini , B . Shiny Sucharitha** research article is " Detection and Correction of Multiple Bit Errors In Sram based fpga frame " amd the journal detail is Journal of Xi'a n University of Architecture & Technology , Volume X|V , Issue 1, pp-30-34 ISSN No : 1006-7930 , in the month of January , 2022.
- 5 . **D . Prasad , G . Narendar** research article is " Automatic Gain Control System For High Frequency Low if Receivers " and the journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp-214-219, ISSN No : 1006_7930 , in the month of January , 2022 .
- 6 . **Dr . A . Chaitanya Krishna** research article is " Chatbot for apparatus Control based on Artificial Intelligence " and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|IV , Issue 1, pp.42-47, ISSN No : 1006-7930 , in month of January , 2022.
- 7 . **Dr M Thirupathi** research article is " U -Shaped Microstrip Rectangular Antenna " and the journal detail is Journal of Xi'an University of Archtecture & Technology ' Volume X|V, Issue 1, pp.60-66 , ISSN No : 1006-7930.
- 8 . **Dr . P . Joel Josephson** research article is " Trolley based Smart System for Medical Applications " and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, PP.35-41, ISSN No : 1006_7930 , in the month of January , 2022 .
- 9 . **Dubasi Kirtana , B . Gopi Krishna , Dr . G Shivakanth , R. Anushaanjali, K . Divyavani** research article is " Efficient Data Access Control of the Need for Multi Authority Analysis For Cloud Space "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, PP.129-135 , ISSN No : 1006_7930 , in the month of January , 2022 .
- 10 . **E . Parvathi , Dr . Anand Kumar** research article is " Flexible Printed Microstrip Antenna for IOT Devices "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp . 136 - 139 , ISSN No : 1006_7930 , in the month of January , 2022.

- 11 . **K . Vineela , E. Parvathi, K . Devika** research article is " Wireless Charging Pads in Sensor Networks With Rechargeable Battery Technology "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp . 48-59, ISSN No : 1006_7930 , in the month of January , 2022.
- 12 . **Kasinikota Devika** research article is " Gesture Recognition using 3D Accelerometer "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 67 - 76, ISSN No : 1006_7930 , in the month of January , 2022.
- 13 . **Mr . K . Nishakar , Ms . J. Manga , Ms . S . Preethi** research article is " Minimum Time Delay and More Efficient Image Filtering Brain Tumour Detection with the help of Matlab "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, 2022 pp - 140 - 144, ISSN No : 1006_7930 , in the month of January , 2022.
- 14 . **Naga Venkateshwara Rao Alexander P Dr G. Shivakanth Bhavan Kumar** research article is " Amputation of Noises in Internet of things based Imaging for Optimized Features Recognition by Machine Learning Techniques"and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 92 - 97 , ISSN No : 1006_7930 , in the month of January , 2022.
- 15 . **Potaparthini Kiranmayee , Dr . P. Santosh Kumar Patra , Dr . A . Anand** research article is " Wireless Blackbox for Drowsiness and Alcohol Effect Detection "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 145 - 148 , ISSN No : 1006_7930 , in the month of January , 2022.
- 16 . **Pushpa P , Dhonvan Srinu , P Bhulaxmi , V . V . Ramana Rao** research article is " Driver Assistant for Drowsiness and Alcohol Effect Detection "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 21 - 29 , ISSN No : 1006_7930 , in the month of January , 2022.
- 17 . **T . Srilakshmi** research article is " Noise Reduction based on Partial Different , Dual Tree Complex Wavelet Transform "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 112 - 114 , ISSN No : 1006_7930 , in the month of January , 2022.
- 18 . **V . Ramana Rao , Pushpa P, Dhonvan Srinu , P Bhulaxmi V.** research article is " Driver Assistant for Drowsiness and Alcohol Effect Detection "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 21 - 29 , ISSN No : 1006_7930 , in the month of January , 2022.
- 19 . **Ch . Venkateshwarlu** research article is " Low Noise Amplifier Design and Analysis for Wireless Voice Transmission "and the Journal detail is Journal of Xi'an University of Architecture & Technology , Volume X|V , Issue 1, pp - 77 - 85 , ISSN No : 1006_7930 , in the month of January , 2022.
- 20 . **Ravi kumar Sanapala** SRN-LEACH: an energy efficient leach protocol with random number stabilisation for wireless sensors network. Published paper in journal of control and decision (scopus) . Northeastern university china. <https://boi.org/10.1080/23307706.2022.2062622> in the month of 26 may 2022.

Book Publications (Faculty)



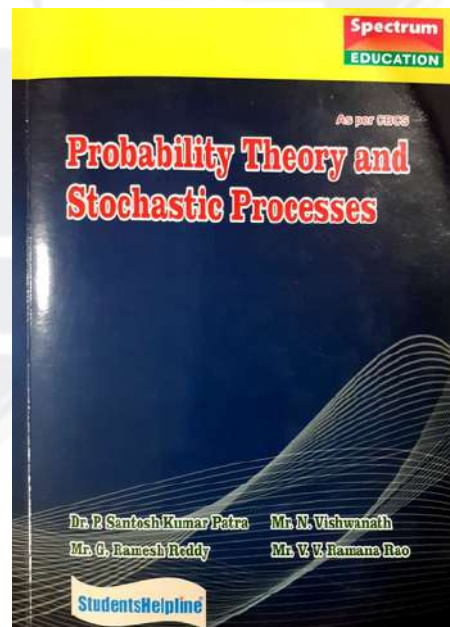
Dr. S.V. S. Ramakrishna Raju
Dr. A. Anand
Ms. P. Pushpa
Dr. M. Thirupathi
Mr. K. Balasubramanyam



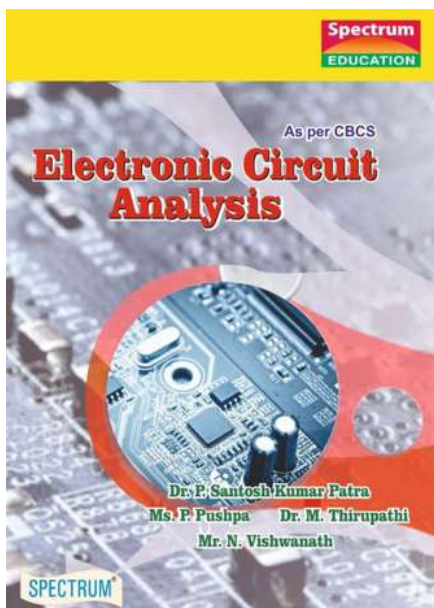
Mr. G. Ramesh Reddy
Mr. N. Vishwanath
Mr. V. V. Ramana Rao



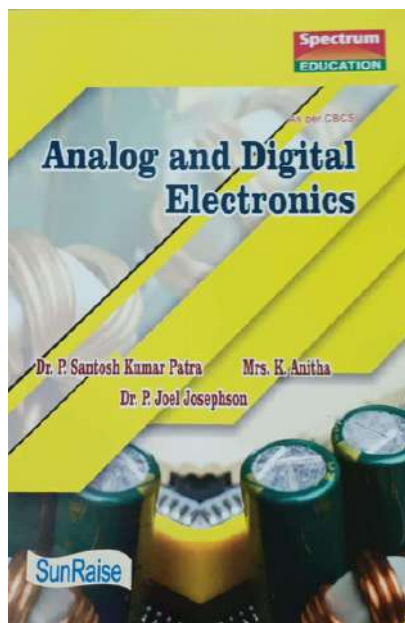
Dr. P. Santosh Kumar Patra
Dr. P. Joel Josephson
Mrs. K. Anitha
Mr. S. P. Manikanta



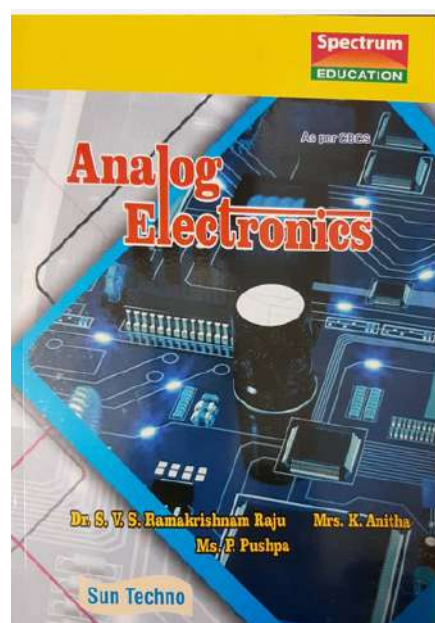
Dr. P. Santosh Kumar Patra
Mr. N. Vishwanath
Mr. G. Ramesh Reddy
Mr. V. V. Ramana Rao



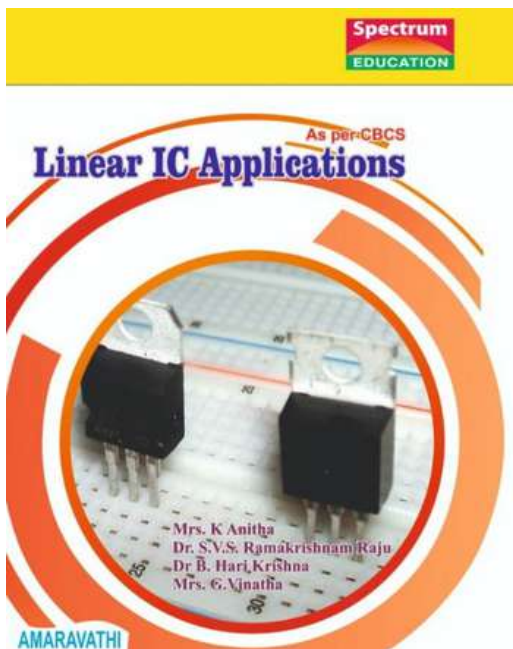
**Dr. P. Santosh Kumar Patra
Ms. P. Pushpa
Dr. M. Thirupathi
Mr. N. Vishwanath**



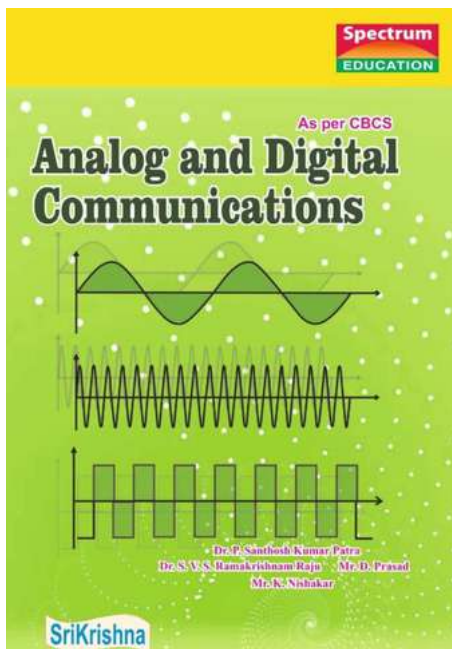
**Dr. P. Santosh Kumar Patra
Dr. P. Joel Josephson
Mrs. K. Anitha**



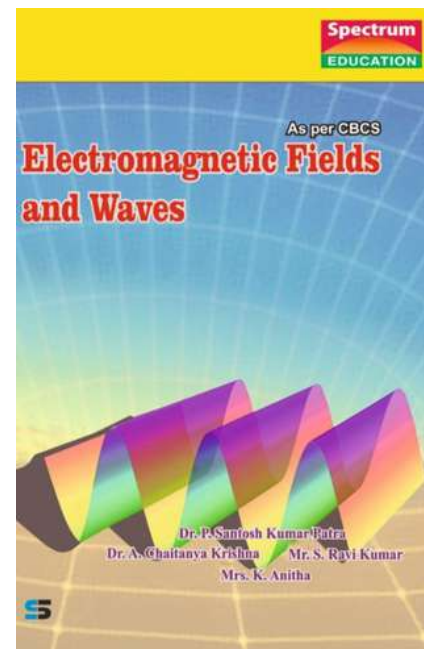
**Dr. S.V. S. Ramakrishnam Raju
Ms.P. Pushpa
Mrs. K. Anitha**



**Mrs. K Anitha
Dr. S.V.S. Ramakrishnam Raju
Dr B. Hari Krishna
Mrs. G. Vinatha**



**Dr. P. Sunthosh Kumar Patra
Dr. S. V. S. Ramakrishnam Raju
Mr.D. Prasad
Mr.K.Nishakar**



**Dr. P.Santosh Kumar Patra
Dr. A. Chaitanya Krishna
Mr. S. Ravi Kumar
Mrs. K. Anitha**

International Conference Paper Presentation [Faculty]



Department: ECE				
Academic Year: 2021-22				
ICa	Total number of research paper presented in International Conference and published in proceedings with ISBN number			43 ISBN: 978-81-953918-6-8
S. No.	Name of Authors	Title of Research Article	Conference Detail (Name, organization, Page number, if mentioned, proceeding ISBN)	Date-Month-Year
1	D Basav B Hari Krishna	Implementation of SHA Algorithm Based Advanced Encryption Standard to Detect IP	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
2	K Vineela K Devika	Chip Design for Turbo Encoder Module for In-Vehicle System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
3	K Devika Dr Anand Anbalagan K Vineela	Smart Dustbin Container Using IoT Notification	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
4	Parvathi	Design of Miniature Antennas for IoT Applications	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
5	P Pushpa	Self-Localization for IoT Wireless Sensor Networks based on Optimization	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
6	B Shiny Sucharitha Ch Harini	Polyphase Codes Using Modified Genetic Algorithm	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
7	S Santhosh Reddy	An Embedded Systems	International Conference on	March 2022

		Based Proximity Detector And Monitoring Device For Security Enhancement	Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	
8	C Harini B Shiny Sucharitha	Road Sign Recognition System for the Smart Car using Machine Learning	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
9	D Prasad S P Manikanta	Early Detection of Alzheimer's disease using Improved Deep Learning Algorithm and fMRI	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
10	Sameena Azhar	An Onchip Circular Sierpinski Shaped Fractal Antenna with Defected Ground Structure for Ku-Band Applications	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
11	M Govind Raj	Projecting smart home system using Virtual Wall Mounted Switches and Arduino	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
12	Ch Venkateswarlu	Passenger BUS Alert System for Easy Navigation of Blind	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
13	K Divya Vani	Embedded System Based Radio Detection and Ranging (RADAR) System Using Arduino and Ultra-sonic Sensor	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
14	Dr A Anand Dr. Rajeshwari Dr.Siva Kannan	Analysis of trapping set-in Low-density parity check codes	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
15	Gabbeta Ramesh	Indore Positioning System for Indore Navigation	International Conference on Smart Modernistic in	March 2022

		Mobile Application	Electronics and Communication ISBN: 978-81-953918-6-8	
16	B.Dasu	Solar Energy Harvesting From Solar Power Satellite	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
17	D. Thirupathi	A Polynomial Subset-Based Efficient Key Management System for WSN in IoT: Related Challenges and Issues	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022
18	G.Poshamallu	Speaking Device for Deaf and Dumb Using Microcontroller And Switching Device	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
19	Kalangi Balasubramanyam Shiva Kumari Gurrala Ramesh Nalamasa	ESP8266 Based Wi-Fi Controllable Biped Robot	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
20	Dr.P.Joel Josephson	Time Quantum Scheduling Algorithm	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
21	G Laxmi Priyanka	6G Wireless Communication Vision and Potential Techniques	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
22	Ch Swathi P Kiranmayee D Kirtana Laxmi Priyanka	Exploration on Optimization of 4G-LTE Wireless Network Cells Anomaly Opinion Algorithm grounded on Multidimensional Time Series Data	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
23	G Vinatha	A Novel BIST Scheme For Low Power Testing	International Conference on Smart Modernistic in	March 2022.

			Electronics and Communication ISBN: 978-81-953918-6-8	
24	G Ramesh Reddy Suresh Penchala	Device to Device Communication Underlying Cellular Networks Using Energy Efficiency Optimization	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
25	M Naveena	Dual Image Based Reversible Data Hiding Scheme Using PVD	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
26	M Naveena Kavya Ramesh A Sneha Keerthi	Performance Evaluation of Compact Planar Dual Band Antenna	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
27	Kavya Ramesh	Design of Dual-Band Microstrip Antenna for WLAN Application	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
28	D Kirtana P Kiranmayee Ch Swathi	Monitoring and Controlling the Intensity of Light Using Embedded System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
29	D Thirupathi K Rajeshwar Rajesh Durgam	Design of Noise Free Filter for Serial Data Communication Using Majority Voter Concept	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
30	Dr.S.V.S Ramakrishnam Raju	Downlink user selection for massive MIMO-OFDM-in systems using ZF precoding	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
31	Ch Naveen M Bhuvan Prasad S Venkat	Barcode Detection in Video Using Python	International Conference on Smart Modernistic in Electronics and	March 2022.

	S Vishal P Kiranmayee		Communication ISBN: 978-81-953918-6-8	
32	A Chaitanya Krishna Dr M Thirupathi M Govind Raj	Analysis Of Performance And Energy Consumption Of Wearable Devices and Mobile Gateways In IoT Applications	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
33	B Vinay Kumar B Kranthikar I Srikanth Niyak Mrs P Mounika	MR & CT Image Fusion Using Non-Linear Anisotropic Diffusion	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
34	Sanjay Kumar L Pavitra L Priyadarshini B Pramod R L BhagyaLakshmi	Dual Tone Multi Frequency Automated Surveillance System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
35	K Nishakr Puneet Jhauak Rakhi Kumar Yadav Asritha L Ravi Kumar	IoT Surveillance Robot	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
36	Pathipaka Indu Jyoti Golasang Thankari Sarika Vallabhaneni Sai Siva Nageswara Rao Koda Karthik	Smart helmet Using Arduino Uno	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
37	A Surak Kumar A Sai Vikranth Goud J Pavan Kumar V Ashok Kumar Venkanna Mood	Extracting and Detecting Text Using Open CV and Python	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
38	M.Lakshmi Sunekha Vijaya Sree Manasa Petturi Varun Seeram Rajanala Pranaya Deepak V.V.Ramana Rao	De-convoluting Multispectral Satellite Images Using ACS Algorithm with Wiener Filter	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
39	Parvathapuram	Driver Drowsiness	International Conference on	March 2022.

	Pavan Kumar Vankayalapati Nagaraju Gurrala Chandrashekar Reddy Jetty Bangaru Siddhartha	Detection System using Deep Learning Technique based on State of Eyes of the Driver	Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	
40	S P Manikanta Dr P Santhosh Kumar Patra	RIS supported Future Generation Super Speed Train Communications	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
41	M. Vandana Akshay Sajeevan A. Bhargavi Y. Srinivas Naga Venkateshwara Rao.K	Industrial Protection Safety System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
42	K Anitha P Pushpa T Sovmya	Design Approach for Fault Tolerance in FPGA Architecture	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
43	T. Ramya Krishna U Vaishnavi S. Indeevara Shyama Akhil Mandha R. Alekya	Detection of Black Coffee Beans for Quality and Industrial Profit	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
44	S.P.Manikanta Shiva Nitesh Kumar C. Ram Santosh Kumar Kasala Shalini K Lochara Vasuki	IOT Based Coal Mine Safety Monitoring and Alerting System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
45	S.P.Manikanta Ch. Unesudra B.Ramakrishna Ch. Dilip Reddy T. Venkata Sai Sridhar Reddy	IoT Based Controlling Multiple Streetlights with Cloud with Failure Light Indication via SMS	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
46	E Abhilash Divya Satya Yamini	COVID-19 AI-Enabled Social Distancing Detector Using Open CV	International Conference on Smart Modernistic in Electronics and	March 2022.

	Chola Sneha PV Harsha Patel Mr Gabbeta Ramesh		Communication ISBN: 978-81-953918-6-8	
47	T Koushik T Manogna S Rohit V Jitendra Naga Venkateshwara Rao K	Implementation Of Quadruple Adjacent Error Detection and Correction System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
48	Bhavani Ananthoju, Monica Singh Chinta Lavanya T.Rajashekar Reddy G. Laxmi Priyanka	Satellite Image Enhancement Using Hybrid Wavelet Transform With Interpolation Algorithm	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
49	A Raju K Mahinder B Nikhitha Y Yogita D Kirtana	Visibility Enhancement Of Images Captured In Dusty Weather	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
50	M Harimuni kumar D Pashupathi M.Saikrishna A Saikrishna G Laxmi Priyanka	Voice Integrated Speed and Direction Control of DC Motor	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
51	B.Suvenitha Ch.Ashwathi N.Sandeep Kumar N.Chaitanya Gattadi Vinatha	Advance Smart Fire Extinguisher And alerting System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
52	N. Dronika Sarvani G. Vaishali G. Shirisha G. Hejzibah Divya Vani	Design Of 16-bit Vedic Multiplier Using FPGA	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
53	D Prasad K. Pawan Kalyan L. Sri Karan B.R. Arun Kumar G. Shirisha	IoT Based LCD Scrolling Digital Notice Board	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
54	B.Lavanya N.Manisha	WSN Based Child Live Tracking System Using	International Conference on Smart Modernistic in	March 2022.

	N.Lakshmi J.YaminDhondi, G Vinatha	Arduino UNO	Electronics and Communication ISBN: 978-81-953918-6-8	
55	T. Bharat Kumar S.Akshaya V.Teja V.Sai Anjali Hareesha K.Anitha	A Low Latency and Low Power Hybrid Scheme For On Chip Networks.	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
56	Ch.Swathi V.Pooja P.Likhitha B.Anusha S.Geeta	RFID Fastag With Security	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
57	Ch. Sahithi B. Vishali Polu Viswanath Reddy M Sri Harsha Dr M Thirupathi	Design Of Dual Port SRAM Using Verilog	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
58	B.Vinay Kumar B. Kranthikar L.Srikanth Nayak Mrs. P. Mounika	MR & CT Image Fusion Using Non-Linear an isotropic Diffusion	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
59	K.Bhavana Ch.Mounica K. Harika D.Swarupa K. Nishakar	A New Lossless Encryption Of Colour Images For Security Applications	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
60	C. Yashwanth D. Bhavani Prasad P. Chaitanya Krishna Reddy T. Sreenivesh K. Nishakar	Fake Person Authentication Using Biometric (Face, Iris, Palm)	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
61	Abhishek Singh D. Manish Reddy G. Akshara Reddy G. Aishwarya E. Parvathi	Real Time Secure Text Transmission Using Video Steganography	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
62	D. Paul Samuel Raju K. Smitha Varshini	Design Of Traffic Light Controller Using Task	International Conference on Smart Modernistic in Electronics and	March 2022.

	M. Rishitha Abdul Haq Syed Ms. P. Pushpa		Communication ISBN: 978-81-953918-6-8	
63	G. Sai Srijanya K. Yamini M. Sainath B. Sandeep Kumar Mr. G. Ramesh Reddy	Acoustic Echo Cancellation Algorithm For Mobile Communication	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
64	C.Divyasri K.Moushnavi Y.SatishKumarr N.SaiVardhan B.Shiny Sucharitha	Real time Detection And Abstraction Of Image To text and Speech Using Open CV	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
65	Kadam Manoj Jalapur Soundarya Chethi Varshitha Gadapa Monica V.V.Ramana Rao	Analysis Of Alamonti STBC For MIMO OFDM System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
66	Asura Sandeyarani Veerabhadra Sirisha Musulaya Gouthami M. Bharath Kumar Neerugatti Varipally Vishwanath	Accident Preventional Smart Railway	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
67	G. Sindhuja D.S.R Dhratik, Allen Amruthraj Kennedy P.Arnav Neerugatti Varipally Vishwanath	Reduction of Timing Jitter In High Speed OFDM Systems	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
68	K. Suma Priyanka G. Anuvarna J. Soumya K. Shreya Prabhakar Mr. K. Bala Subramanyam	IoT Based Weather Monitoring And Reporting System	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
69	B. Rakesh Kapil R Saugani K.V.S. Remanth K. Trishan C. Harini	Intelligent system for hazardous gas, human detection and temperature monitoring using GSM	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
70	V.V.N.S.Supraja	Multiplexer Design In	International Conference on	March 2022.

	M.Sreeja S.Anusha B.Vikram Dr. A. Chaitanya Krishna	Multiple Logic Gates Using Tanner Tool	Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	
71	Mallasani BheemSekhar Kotagiri Vinay Manish Rahul Kannam P.Sriram Reddy Dr. A. Chaitanya Krishna	RF Based Smart Zone For Accident Prevention	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
72	Ritik Kumar Yadav T Nikhil Kumar V Shashidhar V Shanmukha Sai Teja P.Pushpa	Image Filtering For Restoration Using MATLAB	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
73	M.Sujal kumar G.Shiva kumar K.Pavan Kumar Reddy K.Edward paul E.Parvathi	VLSI Implementation Of 4x4 Crossbar Switching	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
74	K.Prathyusha M.Vennela Reddy NikhithaKashiwale Lohit Sai Kiran P.Kiranmayee	Chest X-Ray Image Denoising For Covid-19 Detection And Application	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
75	J. Sumana Reddy M. Nirmal M. Pavani P. Saraswathi D. Busava	Implementation of SHA Algorithm Based Advanced Encryption Standard to Detect IP Theft	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
76	B.Vineela K. Sai Chand K.Swetha Nikky Mavani Mrs K. Anitha	Design and Characterization of parallel prefix adder using FPGA	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.
77	D. Prashanth Reddy S. Divakar G. Bala Gopala Reddy V V M Sai Prasad	IoT Management System for Smart City	International Conference on Smart Modernistic in Electronics and Communication ISBN: 978-81-953918-6-8	March 2022.

Guest lecture delivered by our faculty

Dr. Sanjay Kumar Suman Dean R&D conducted the guest lecture on " **Research Pedagogy** " for Electronics Engineers” organized by the Department of Electronica and Communication Engineering, on 28th May, 2022.



A GUEST LECTURE ON
Recent Trends in Digital System design tools, Techniques and Applications
 (22nd September, 2021)
 Organized by
Institute of Aeronautical Engineering, Hyderabad.

Preamble:
 "Institute of Aeronautical Engineering (IARE) was established in the year 2000 with a mission 'Education for Liberation'. Started with aircraft maintenance engineering in the year 1994, it has gradually transformed itself into a premier integrated interdisciplinary technological institute offering UG and PG programmes in CSE, IT, ECE, EEE, AERO, MECH and CE and MBA. This academy role is to offer student development programmes in standardized courses and emerging areas of Electronics, Information Communication Technologies, training & consultancy services for Industry, Curriculum development for Industry, CEP for working professionals, Advice and support for technical incubation and entrepreneurial activities.

Objective of the Program:

IARE Hyderabad is organizing a guest lecture on "Recent Trends in Digital System design tools, Techniques and Applications" on 22nd September, 2021. The main theme of the program is to impart fundamental knowledge on recent trends in digital system design tools and applications. The objective of this lecture is to give better exposure to the students in the field of digital system design and offer solutions to real time problems by designing industry grade models in VLSI domain. The B.Tech in Electronics and Communication Engineering is designed to give greater emphasis on core Electronics and Communication Engineering with a flexibility to explore any one of the four areas like circuits and devices, signal processing, communication engineering and programming where in an ample number of courses included that provide knowledge in these specialized areas. This facilitates the students to choose specialized areas of their interest.

Major Course Contents:

Digital system description
 Boolean algebra
 Transforming functions
 Simplification of Boolean expressions
 Logic gates

Building digital circuitry
 Combinatorial and sequential logic design
 Impact of VLSI on modern technology

Faculty conducting this programme:
 The Guest speaker for the session is Dr. P. Joel Josephson, Associate Professor, Department of Electronics and Communication, St. Martin's College of Engineering, Hyderabad.

Eligibility
 The programme is open to students of Engineering Colleges and other allied disciplines in India. Industry personnel working in the concerned /allied discipline can also attend.

Registration Fee Particulars:
 There is no fee for the course enrollment

Session: Online mode.

Selection Criteria:
 The target audience for the session was II and III year ECE students. Candidates will be issued satisfactory certificates on successful completion of the program.

Important dates:

Date	22 nd September, 2021
Lecture Duration	6 pm to 8 pm

About IARE:

IARE along with its manufacturing industry partners has been working at the forefront of creating products, which can serve enablers to create an ecosystem for smart manufacturing. Our Institute runs as a Science & Technology Start-Up Park (STSP), a technology business incubator facility to support start-ups in the areas of information technology, electronics and mechanical engineering enabling "Smart Manufacturing via the Make in India Initiative". It aims at offering students with innovative ideas and an opportunity to become entrepreneurs. Promising candidates, who have exciting ideas, can start right from the first year.

Dr . P Joel Josephson conducted a guest lecture on "Recent Trends in Digital System design Tools for Electronics Engineers organised by the Department of Electronics and communication Engineering on 22nd September , 2021

Events Organised by Department

S. NO	EVENT DATE	EVENT TYPE	EVENT DETAILS	NO. Of PARTICIPANTS
1	28-03-2022 to 29-03-2022	International Conference	Online International Conference on " Smart Modernistic in Electronics and Communication -2022 (ICSMEC-22) "	117
2	10-02-2022 to 11-02-2022	FDP	Two Day Online Faculty Development Program on " The Evaluation of Mobile Wireless Network – Toward 5G & IoT "	52
3	05-02-2022	GUEST LECTURE	One Day Online Guest Lecture on " IoT Application Using Arduino "	450
4	17-12-2021 to 18-12-2021	SYMPO AAGNYA - Technical Symposium	A Two Day National Level Technical Symposium " SYMPO AAGNYA 2021 "	500
5	22-11-2021 to 23-11-2021	WORKSHOP	A National Level Two Day Workshop on " Arduino and Raspberry Pi for Embedded Applications "	240
6	02-11-2021	INDUSTRIAL VISIT	Industrial Visit to LED chip Indus Private. Limited	122
7	26-10-2021	GUEST LECTURE	One Day Online Guest Lecture on " Machine Learning & It's Application in Python "	450
8	02-07-2021 to 03-07-2021	International Conference	Online Mega International Conference on " Smart Modernistic in Electronics and Communication -2021(ICSMEC-21) "	145
9	18-06-2021 to 24-06-2021	STTP Phase-III	AICTE Sponsored One Week Online STTP-Short Term Training Programme on " Medical Image Processing & It's Application in Automated Disease Detection " (Phase-III)	250
10	10-06-2021 to 12-06-2021	WORKSHOP	A National Level Three Day Online Workshop on " Modern Ideas & It's Applications – Artificial Intelligence and Machine Learning "	450
11	2005-2021 to 26-05-2021	STTP Phase-II	AICTE Sponsored One Week Online STTP-Short Term Training Programme on " Medical Image Processing & It's Application in Automated Disease Detection " (Phase-II)	250

12	19-04-2021 to 24-06-2021	STTP Phase-I	AICTE Sponsored One Week Online STTP- Short Term Training Programme on "Medical Image Processing & It's Application in Automated Disease Detection" (Phase-I)	250
13	09-04-2021 to 10-04-2021	National Conference	Online International Conference on "Intelligent Systems, Electrical and Communication Technology- 2021(ICISECT-21) "	120
14	01-12-2020 to 05-12-2020	FDP	Internet Of Things & Machine Learning	50
15	28-01-2022	WEBINAR	Overview Of 5G Wireless Technology	52
16	13-12-2021 to 17-12-2021	FDP	Applications Of Artificial Intelligence In Digital Histopathology	52
17	24-04-2021	WEBINAR	Recent Trends And Opportunities	52
18	08-03-2022 to 12-03-2022	FDP	Advanced Technologies & Challenges in Electronics and Communication Engineering	50
19	24-01-2022	WEBINAR	Role of Smart Materials and Nano Technology	52
20	8-06-2021 to 12-06- 2021	FDP	Intelligent Systems for Sustainable Development	45
21	15.3.2021	WEBINAR	Railway Signaling and Train Traffic Control	50

ACTIVITIES CORNER

Events organized by the department

A National Level Online Two-Day FDP on “5G Antenna Design with AIML Applications using HFSS”

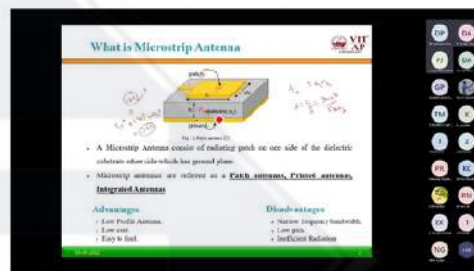
The Faculty Development Program on "5G Antenna Design with AIML

Applications using HFSS was hosted by the Department of Electronics and Communication Engineering. This FDP aims on providing the recent advancements in Antennas with different parameters and providing hands-on experience on HFSS Software, thereby enhancing the skills of faculty and students.

Each session is enriched with the well experienced resource persons who has great skill set in Antenna Design and applications. The following topics are focused in the FDP.



Dr. S. Peida Krishna delivering lecture on Designing 5G Antennas in Session -1.



Dr. S. Peida Krishna explaining about the micro strip Antenna in Session - 1.

International Conference on "Smart Modernistic in Electronics and Communication -2022(ICSMEC–22)



Feedbacks on the conference by Dr A. Anand, Professor, ECE, SMEC



Photo Session by the participants on the last day of the conference ICSMEC-22

The International Conference on "Smart Modernistic in Electronics and Communication (ICSMEC-22) was hosted by the Departments of Electronics and Communication Engineering ICSMEC 22 aims to provide a common platform to all the leading academic scientists, researchers, research scholars to exchange and share their experience and innovative ideas in the latest technologies in different areas like Intelligence Systems, Innovative System Design, Natural Language Processing, Communication Technology etc. This conference provided an inter disciplinary platform for academicians, researchers and other experts from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology.

Two Day Online Faculty Development Program on “The Evaluation of Mobile Wireless Network – Toward 5G & IOT”

Two Day Online Faculty Development Program on "The Evaluation of Mobile Wireless Network Toward 5G & IOT" was hosted by the Department of Electronics and Communication Engineering aims to provide a platform to all the leading scientists, researchers, professors and students to exchange and learn their experience and innovative ideas on the present trends of Mobile Wireless Networks & IoT which has been most widely used technical aspects on Electronics and Communication in terms of innovation and researches. using Robotics, Embedded Systems, Antennas and many more...The main motive of this FDP is to provided an inter disciplinary platform for Jemicians, researchers, students and from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology.

Features	1G	2G	3G	4G	5G
Start/Development	1970-1984	1980-1999	1990-2002	2000-2011	2010-2015
Technology	AMPS, NMT, TACS, GSM	IS-136, IS-148, IS-180, IS-413, GSM	WCDMA, UTRA, GSM	4G LTE, WiMax	5G NR, WiMax
Frequency	150 KHz	1.8 GHz	1.6 - 2 GHz	2 - 4 GHz	3 - 30 GHz
Bandwidth	24 Kbps	14.4 - 64 Kbps	2 Mbps	200 Mbps to 1 Gbps (Down and Uplink)	
Access System	FDMA	TDMA, CDMA	CDMA		
Core Network	PSTN	PSTN	Packet Network/Internet		



A Two Day National Level Technical Symposium “SYMPO AAGNYA 2021”

A Two Day National Level Technical Symposium "SYMPO AAGNYA 2021" was hosted by the Department of Electronics and Communication Engineering aims to provide a common platform to all the students to exchange and share their experience and innovative ideas on the most widely used technical aspects on Electronics and Communication in terms of innovation and researches using Robotics, Embedded Systems, IOT, Antennas and many more. The main motive of this Symposium is to provide an inter disciplinary platform for students from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology. The Programme was Initiated by Patron Dr P. Santosh Kumar Patra. During his address note, Principal Sir emphasized the importance of Technical Learning in all the domains irrespective of the studies and branches of education. Also he addressed about the Team Spirit and Time Management Which Plays an Important role to Succeed as a Team. Sir explained about the new technology that is being introduced in the market which is smart car, smart watch and smart lens which helps about the vacancy in jobs by just passing through the company. Sir also shared an experience about the recent to a company where a majority employs were from Electronic and Communication Department.



Launching of the Logo Sympo Aagnya 2021 By Beloved Principal Sir



Addressing by Patron Dr P. Santosh Kumar Patra Sir



St. MARTIN'S ENGINEERING COLLEGE

An UGC Autonomous Institute

A Non-Minority College | Approved by AJCTE | Affiliated to JNTU, Hyderabad | NAAC-Accredited 'A+' Grade | 2(f) & 12(B) status | UGC ISO 9001:2015 Certified | NBA Accredited | SIRO (DSIR) | UGC-Paramarsh | Recognized Remote Center of IIT, Bombay Dhalapally, Secunderabad - 500100, Telangana State, India



PRESENTS



WITH ASSOCIATED



A TWO DAY NATIONAL LEVEL TECHNICAL SYMPOSIUM ON 17TH & 18TH DEC 2021

EVENTS:

- Paper Presentation
- Poster Presentation
- Technical Rangoli
- Matlab Race
- Circuit Debugging
- Technical Treasure Hunt
- Robo Expo
- Tech Expo
- Martin's TechCrunch

AREAS:

- Signal Processing
- Communication System
- Embedded System
- VLSI
- Neural Networks
- Artificial Intelligence
- Machine Learning
- Internet of Things
- Data Science
- RF System
- C++, Java, Python



Advisor
Sri.Ch. Malla Reddy
Hon'ble Minister of Labour, Employment, Factories, Govt. of Telangana State.

Chief Patrons
Sri. M. Laxman Reddy, Chairman
Sri. G. Narsimha Yadhav, Treasurer
Sri. Ch. Mahender Reddy, Secretary and Correspondent
Sri. G. Chandrasekhar Yadav, Executive Director
Sri. M. Rajasekhar Reddy, Director
Sri. G. Rajashekar Yadav, Director
Sri. G. Jai Kishan Yadav, Director

Patron
Dr. P. Santosh Kumar Patra
Principal, SMEC

Convener
Dr. A. Anand, Prof & HOD, ECE
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Dr.P.Jool Josephson Prof, ECE 99627 59217
Mr. M.Venkanna Assoc. Prof, ECE 99513 39365
Student Coordinators
Y. V. Sandeep
A. Sai Raghuram
Ch. Uneendra
N. Dronika Sarvani
Shiva Nitesh Kumar

Advisory Committee
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Dr. D. V. Sreekanth Prof & HOD, ME
Dr. N. Ramchandra Prof & HOD, EEE
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Dr. R. Nagaraju, Prof & HOD, IT
Dr. Y Venkatarangalah, Prof & HOD, MBA
Prof. Sandhya Kiran, Prof & HOD, CIVIL



Introduction of Sympo Aagnya by Dr. A. Anand, Professor & Head, ECE



Addressing by Academic Dean Dr. SVS Rama Krishnam Raju

Event 1:

➤ **Paper Presentation:** This event started at 11:00AM and all the students participated enthusiastically and tried to convey their ideas.



Event 2:

➤ **Poster Presentation:** The event began at 11:45 where all the participants creatively exposed their ideas on the current technologies.



Event 3:

> Martin's Tech Crunch:

Around 1:20PM the Martins Tech Crunch began and all the participants showed their skills and abilities in the Programming Languages such as Python and Java.



Event 4:

> Circuit Debugging:

The last event for the day was Circuit Debugging in which the students expressed their Knowledge on the Electronic subjects.



DAY 2, 18/12/2021:

Event 5:

> Technical Rangoli:

Event enthusiastically started at 09:20AM Which was Technical Rangoli where the participants exposed their Technical Ideas Creatively in the form of Rangoli.



Event 6:

> MATLAB Race:

It was all about Mat lab race where all the participants need try brush up their mat lab skills.



Event 7 & 8:

> Tech & Robo Expo:

Around 11:50AM parallel These two events started which were Tech and Robo Expo where students exposed their Projects.



Event 9:

> Technical Treasure Hunt:

The last event for the Symposium was Technical Treasure Hunt where the participants need to crack the technical clues in order to find the Treasure.



Academic Dean Dr. SVS Rama Krishnam Raju and shared his views on the conduction of the symposium and how the events help the students to enhance their co-curricular skills. Convener of the Symposium Dr. A. Anand, Prof. & HOD, ECE headed the Symposium along with committee members. Around 300+Students participated in the program.



Valedictory Ceremony:

The valedictory session was started at 03.30PM with a Glimpse of the Event. All the Event Winners were Awarded with Trophies and Cash Prize by our Beloved Principal Sir, and a wonderful Speech was given by Patron Dr P. Santosh Kumar Patra. The vote of thanks was given by convener of the symposium Dr. A. Anand, Prof. & HOD, ECE thanking all the Faculty and Student Coordinators for making the event a grant success. The Refreshments were distributed to all the Participants. Our **Principal sir started the Sympo Green** that plan to do 400 tree sapling plantations thorough out the Hyderabad. The first sapling is given to HOD-ECE and later saplings are distributed to all the students.

Glimpses of the Event:

The Two-day Technical Symposium i.e., from 17-12-2021 to 18-12-2021 was organized in event wise schedule throughout the day. The Inaugural session started at 10:00AM by congratulating all the participants with a motivational speech followed by Technical Symposium proceeding inauguration by the Patron Dr P. Santosh Kumar Patra, Principal, SMEC.

A National Level Two Day Workshop on “Arduino and Raspberry pi for Embedded Applications”

A National Level Two Day Workshop on "Arduino and Raspberry pi for Embedded Applications" was hosted by the Departments of Electronics and Communication Engineering aims to provide a common platform to all the leading academic scientists, researchers, Professors to exchange and share their experience and innovative ideas on the most widely used embedded platform of Arduino and Raspberry pi applications which has been a common and volatile platform in almost all the applications using Robotics, Embedded Systems, IOT and many more...This Workshop provided an inter disciplinary platform for academicians, researchers and other experts from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology.



Session by Mr. L. Guru Tuluri, Embedded IOT Developer, HST Global on "Introduction to Arduino"



A National Level Three Day Online Workshop on “Modern Ideas & It’s Applications – Artificial Intelligence and Machine Learning”



Key Note Speaker: Dr. Om Prakash Verma, Assistant Professor, Department of IC Dr. B. R. Ambedkar National Institute of Technology Jalandhar.

A National Level Three Day Online Workshop on Modern Ideas & It's Applications - Artificial Intelligence and Machine Learning" was hosted by the Department of Electronics and Communication Engineering aims to provide a platform to all the leading academic scientists, researchers, Professors and students to exchange and learn their experience and innovative ideas on the present trend of Artificial Intelligence and Machine Learning which has. been a wide spread application in almost each and every domain with its different sets of algorithms and its Data Analysis etc.. This Online Workshop provided an inter disciplinary platform for academicians, researchers, students and others from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology. The Programme was initiated by Patron Dr. P. Santosh Kumar Patra. During his address note, Principal Sir emphasized the importance of Artificial Intelligence and Machine Learning in all the domains irrespective of the studies and branches of education.



Session by Dr. Rajeev Arya, Assistant Professor, Department of ECE, NIT, Patna

AICTE Sponsored One Week Online STTP-Short Term Training Programme on “Medical Image Processing & It’s Application in Automated Disease Detection”

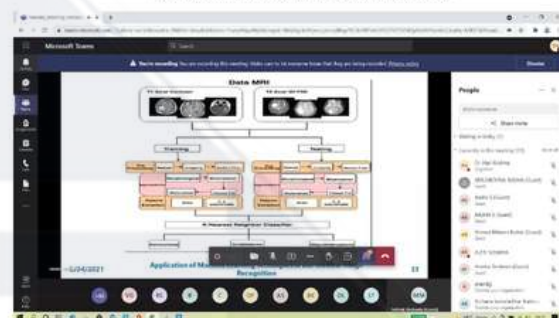
The AICTE sponsored One week online STTP-Short Term Training Programme on "Medical Image Processing & It's Application in Automated Disease Detection" (Phase-II) was hosted by the Department of Electronics and Communication Engineering aims to provide a common platform to all the leading academic scientist, researchers, Professors to exchange and share their experience and innovative ideas in the latest technologies in different areas like Medical Imaging, Detection of Diseases and Tumors with Image Processing and Bio-medical Signal Processing. Different Techniques used for the diagnosis and Treatment for Cancer etc...

The AICTE sponsored One Week online

This STTP provided an inter disciplinary platform for academicians, researchers and other experts from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology. The Programme was Initiated by Patron Dr P. Santosh Kumar Patra. During his address note, Principal Sir emphasized the important role Medical Imaging for the analysis of disease detection in its early stages. Pointing out to a technology of Skin Vision, he has described the potentiality of detecting



Session by Dr. T. Manikandan, Professor & Academic Head, ECE Dept, Rajalakshmi Engineering College, Chennai.



Session by Dr. Mihir Narayan Mohanty, Professor, ECE Dept, ITR Siksha 'O' Anusandhan, Bhubaneswar.

Online International Conference on "Intelligent Systems, Electrical and Communication Technology-2021(ICISECT-21)



Fig 3: Introduction to FDP by Dr. B. Harikrishna, HoD, ECE Department



Fig 4: Releasing the FDP Proceeding



Fig 5: Introduction about Resource person

The Online International Conference on "Intelligent Systems, Electrical and Communication Technology-2021 (ICISECT-21)" was hosted by the Departments of Computer Science and Engineering, Information Technology, Electronics and Communication Engineering and Electrical and Electronics Engineering. ICISECT-21 aims to provide a common platform to all the leading academic scientist, researchers, research scholars to exchange and share their experience and innovative ideas in the latest technologies in different areas like Intelligence Systems, Power Electronics, Communication Technology etc..This conference provided an inter disciplinary platform for academicians, researchers and other experts from various fields to present their novel ideas, discuss their thoughts as well as the challenges encountered and solutions to be adopted in the emerging areas of engineering and technology. The Programme was Initiated by Patron Dr P. Santosh Kumar Patra. During his address note, Principal Sir emphasized the important role of conferences to build a proper career for researchers as well as academicians in advanced areas of engineering and technology. Later the event was corresponded by eminent keynote speaker, Chief Guest Dr Srinivas Nowduri, Professor,

Industrial Visit

The Department of Electronics and Communication Engineering has organised an industrial visit on 2nd November 2021 to LED Chip Organisation for the 2nd year B.Tech Students. The visit was organised with prior permission and guidance of our beloved Principal, Dr.P.Santosh Kumar Patra Sir and ,Dr.B. Hari Krishna, HOD ECE. Mr.S.P.Manikanta is the coordinator and Mrs. K. Anitha, Mr. B. Dasu and Mr.K. Bala Subramanyam 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 following benefits from this industrial visit :

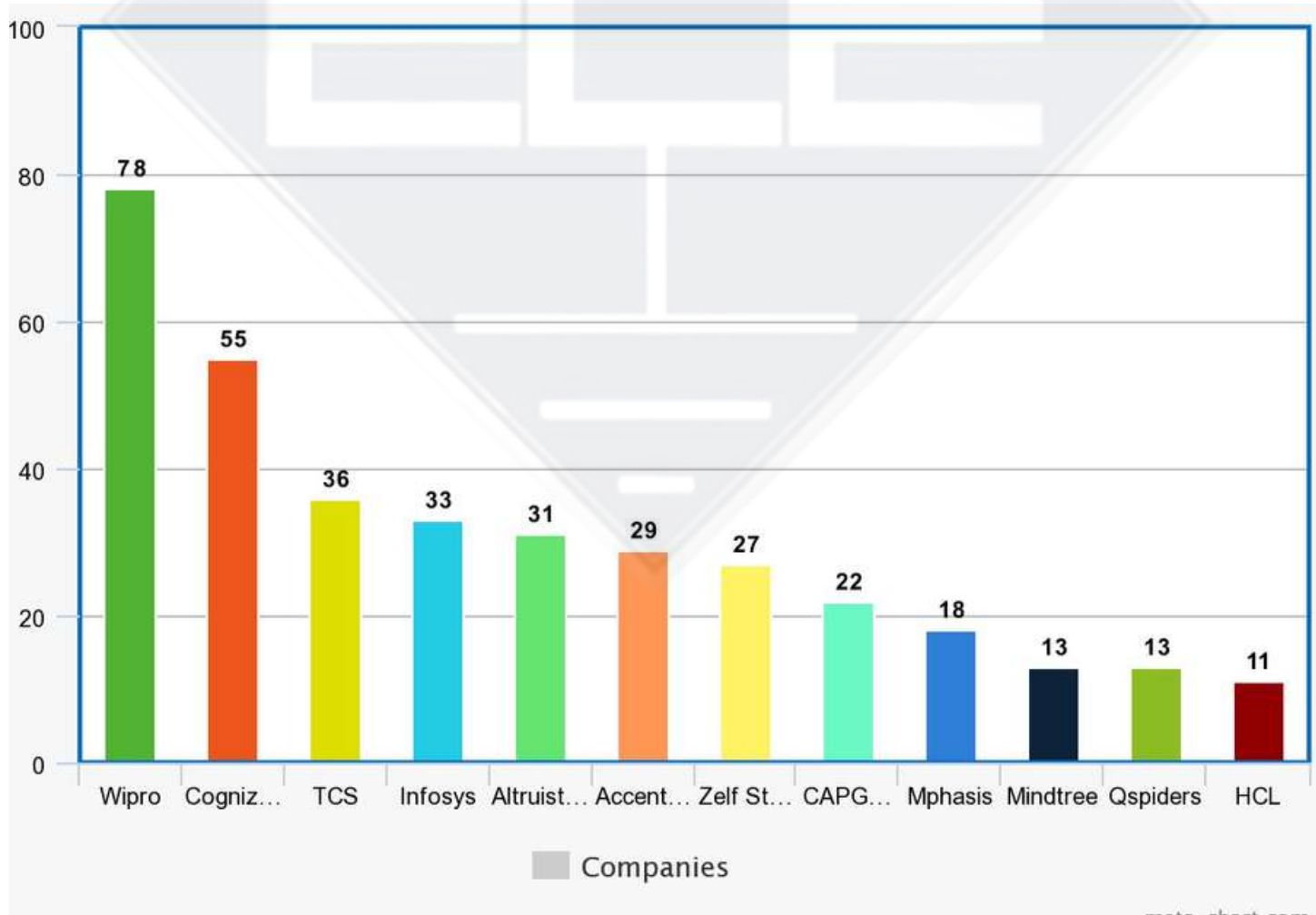
- Making semiconductor wafers.
- Adding epitaxial layers.
- Adding metal contacts.
- Mounting and Packaging.
- There were different teams for each domain.
- Steps for wafer manufacturing.



STUDENTS CORNER

Placement Details

The Campus placement cycle of 2022 Batch started on 3rd June 2021. As on 24th January 2022, 414 offers were secured by the B-Tech students during the campus placement cycle. A total of 414 B-Tech students enrolled for the campus placement. The highest package provided by the companies is 9.4 LPA and a average package of around 5 LPA.



Shinning Stars of ECE Department



ARVAPALLY PAVAN KUMAR
Total CTC : 35.5LPA



CHINTALA UNEENDRA
Total CTC : 32.86 LPA



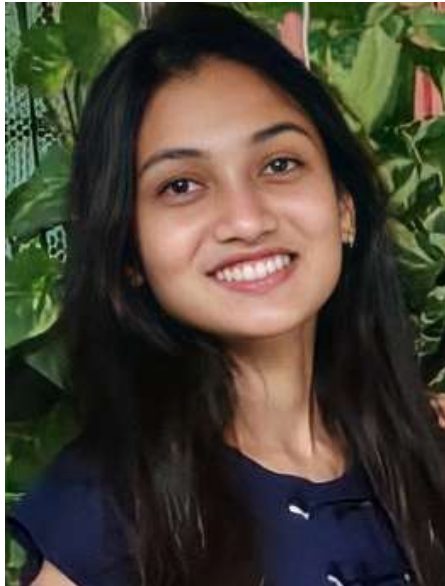
AKULA SURAJ KUMAR
Total CTC : 27.71 LPA



B. VISHALI
Total CTC : 27.6 LPA



JITENDRA REDDY VADDU
Total CTC : 23.46 LPA



NIKHILA VATRAM
Total CTC : 23.11 LPA



KOYEDI TRISHAN
Total CTC : 22.35 LPA



KAPIL RAKESH SANGANI
Total CTC : 21.71 LPA



NIVAS N V V LAKSHMI
MANIKANTA MAMIDI
Total CTC : 20.96 LPA



DEVATA SATYA RUDRA
DHRUTIK
Total CTC : 19.36 LPA

Startup By Students

Our Alumni Mr. John Wesley has started a company named “River Bend Data Solution”



Our Alumni Mr. Bharath Reddy has started a company named “SYMS IN”

Students Achievements

- Our students Mr. D. Prasanth Reddy and team won all Indian 2nd Prize in Indian international science festival held at Kolkata and won 20,000 INR as cash Prize.
- Our students Mr. D. Prashanth Reddy and team won consolation prize in Robo Expo Competition held at Vignan's University Fest.

Academics Toppers

College Toppers



Gadde Sai Srijanya
18K81A0481



Mamde Veena
19K81A04F2
Rank - II



Gannu Shreesha Reddy
20K81A04L8
Rank - III

Department Toppers



Kovuri Sushmitha
19K81A04K8
Rank - II



Buyyana Shreya Shalini
20K81A04D3
Rank - II

Technical Event Winners

Under the guidance of Principal Dr. Santosh Kumar Patra students of St.Martin's Engineering are creating wonders on campus as well as off campus. Martinians are not only trained in curricular activities but also co-curricular activities. Their inquisitiveness never ends with 'a full stop' or takes place with 'a comma' but searches for new horizons of knowledge with 'a question mark'. Students of SMEC from the Department of ECE participated in the Symposium 'VISISTA-2021', which was conducted by Malla Reddy College of Engineering on 23rd and 24th December 2021. Sd.Ashraf ,student of ECE-3A achieved the first position in the Debate(JAM)activity. In addition to this victory, the team of ECE-3B students acquired the 2nd prize in Technical Expo. The team members are D.Nikileshwari, K. Thanu Shree, k. Navaneetha, Sameer Khan and S. Sai Suraj. The team received a cash prize too from organizers.

On this remarkable success, Chairman Sri Marri Laxman Reddy & Executive Director Sri G.Chandra sekhar Yadav appreciated the winners and motivated them to continue the same spirit.

Sports

St. Martins Boys won National Level Inter College football tournament Phonix'22 conducted by VJIT, Aziznagar.



టిక్కికల్ ఎక్స్‌పోలో ఇంజనీరింగ్ విద్యార్థుల ప్రతిభ



విద్యార్థులను అభినందిస్తున్న కళాశాల చైర్మన్ మరియు లక్ష్మణ్ రెడ్డి కుత్సుల్లాపూర్, డిసెంబర్ 31: ఈ నెల 23, 24 తేదీల్లో మల్లారెడ్డి కాలేజీ ఆఫ్ ఇంజనీరింగ్ ఆధ్వర్యంలో నిర్వహించిన సింపోజియం విసిస్టా, జూమ్ డిబేట్, టిక్కికల్ ఎక్స్‌పోలో దూలపల్లి సెయింట్ మార్టిన్ ఇంజనీరింగ్ కళాశాల విద్యార్థులు ప్రతిభ చాచారు. ఆయా రంగాల్లో ప్రతిభ చాటిన విద్యార్థులను కళాశాల చైర్మన్ మరియు లక్ష్మణ్ రెడ్డి, ఎగ్జిక్యూటివ్ డైరెక్టర్ జి.చంద్రశేఖర్ యాదవ్, ప్రిన్సిపాల్ పి.సంతోష్ కుమార్ శుక్రవారం అభినందించారు.



పుట్ బాల్ విజేతలను అభినందిస్తున్న చైర్మన్ లక్ష్మణ్ రెడ్డి

పుట్ బాల్ విజేతలకు అభినందన

కుత్సుల్లాపూర్, డిసెంబర్ 10: శ్రీనిధి ఇంటర్ కాలేజీలో అశ్వధామ-21 మేరుతో నిర్వహించిన పుట్ బాల్ పోటీలో గెలుపొందిన విద్యార్థులను సెయింట్ మార్టిన్ ఇంజనీరింగ్ కాలేజీ చైర్మన్ ఎం.లక్ష్మణ్ రెడ్డి, ఎగ్జిక్యూటివ్ డైరెక్టర్ జి.చంద్రశేఖర్ యాదవ్ శుక్రవారం అభినందించారు. కొంపల్లి మున్సిపాలిటీలోని దూలపల్లిలో ఉన్న సెయింట్ మార్టిన్స్ ఇంజనీరింగ్ కాలేజీ పుట్ బాల్ టీమ్ ఫైనల్ లో గోకరాజు రంగరాజు ఇంజనీరింగ్ కళాశాల టీమ్ పై విజయం సాధించింది. కార్యక్రమంలో ప్రిన్సిపాల్ పి.సంతోష్ కుమార్ పాత్ర, వీడీ సందీప్, కోచ్ అమల్ రాజ్ పాల్గొన్నారు.

Blood Donation Camp



దూలపల్లి సెయింట్ మార్టిన్ కళాశాలలో రక్తదానం శిబిరాన్ని మంగళ వారం నిర్వహించారు. ఈ శిబిరంలో దాదాపు 600 మంది విద్యార్థులు తమ రక్తాన్ని దానం చేశారు. కార్యక్రమంలో కళాశాల చైర్మన్ మర్రి లక్ష్మణ్ రెడ్డి, ఎగ్జిక్యూటివ్ డైరెక్టర్ జి.చంద్రశేఖర్ యాదవ్, ప్రిన్సిపాల్ డా.పి.సంతోష్ కుమార్ పాత్ర, రెడ్ క్రాస్ సొసైటీ చైర్మన్ అజయ్ మిశ్రా, జనరల్ సెక్రటరీ కె.మదన్ మోహన్ రావు, మెకానికల్ విభాగం హెచ్ ఓ డా.వి.శ్రీకాంత్ విద్యార్థులు పాల్గొన్నారు. -కుత్బుల్లాపూర్, మే 31

Donating blood is an act of giving it is a noble act and sacred process of gifting lives to the needy people blood is not replaced with any other liquid, which is essential for human life. 'SMEC' takes the initiation all the time to show the right path to its students. Lead them with humanitarian services and so transforming them into responsible citizens with kind hearts. It has already been proved through "the positive motivation for spreading the generosity and love" by the principal, Dr. P. Santosh Kumar Patra and constant support and encouragement by the management of St. Martin's Engineering College.

It is happy to note that around 600+ units of blood are collected during the camp The blood donation camp was organized on 31.05.2022 in association with Red Cross Society, India under the dynamic supervision and enthusiastic motivation by Sri Ajay Mishra, IRCS Telangana State Chairman and IAS officer (Retd.), Sri K Madan Mohan Rao, General Secretary & CEO IRCS, Medchal Dist., Sri Rajeshwar Rao Chairman IRCS Medchal Dist., Dr Ramesh M, JRCYRC State Convenor, Dr K Pitchi Reddy , Director, Red Cross Blood Bank and Mr. Prashanth , PRO, IRCS. The Chairman Sri Marri Laxman Reddy garu, Executive Director Sri G.Chandra Sekhar Yadav garu, Principal Dr.P.Santosh Kumar Patra and Dr.D.V.Srikanth, HOD (Mechanical) visited the camp and congratulated all the blood donors.

Helping Hands

Helping hands was initiated in our college in the year 2016, and the founder is Shaik Ilyas from civil department

We have conducted 3 events recently

- Blanket distribution
- Rice distribution
- Water camp

Instagram:- hh_organisation

Email: helpinghandsorganization22@gmail.com



Street Cause

Street Cause, the largest student-run NGO, is the living embodiment of the quote, "A life without a Cause is a life without an Effect." The slogan that had been bringing in students of different ambitions and aspirations together and driving them to be more than passive spectators to the inequities in our society.

We at Street Cause SMEC believe that if you want to see a change you need to start working for it.

As a part of Street Cause, we organize various fundraising events and help the underprivileged.

We the members of Street Cause SMEC have done several events to help underprivileged

Some of them are :

- Renovation of govt School (Mandamarri)
- Water Plant donation (Sircilla)
- Sports Equipment Donation (Dhulapally)
- Renovation of Orphanage (Malkajigiri)



IEEE Student Chapter Inauguration

The IEEE student branch Inauguration was done by the department of Electronics and Communication Engineering. The primary purpose of IEEE student branch is to inspire, enable, empower and energize our student members to enhance their technical interests by providing them a platform to show case their skills. An IEEE student branch provides opportunities to meet and learn from fellow IEEE student and graduate student members and engage with professional IEEE members locally. Student Branches provide an opportunity for IEEE student members to begin networking in their areas of interests and future profession. There are over two thousand student branches in over 100 countries, globally.



Art Gallery



Art By:



Ms. Shreya Prabhakar
ECE-4B
18K81A0491



Art By :



**Ms. V. Varshitha
ECE-3A
19K81A0455**



ఇది సేయింట్ మార్టీన్స్ ఇంజనీరింగ్ కాలేజి
 నమ్మిన విద్యార్థులకి ఇదియె వారధి
 అద్భుతాలకి నెలవు
 ఇది ఆవిష్కరణల కొలవు
 కొత్త కొత్త ప్రయోగాలకు వేధికా
 విద్యార్థుల భవిష్యత్తుకు భావుటా
 నైపుణ్య శిక్షణనిచ్చి ప్రాంగణ నియామకాలు చెస్తరే
 అనుభవం ఉన్న అధ్యపకులు విద్యార్థులకి బోధ చెస్తరే
 ఆధునిక పరికరలున్న లబోరేటరీలు ఉన్నయి
 విద్యార్థులకు మెధాశక్తిని ఎప్పటికప్పుడు పెంచుతుంటరు
 ఉన్నత విద్య ఒక్కటే మెనేజ్మెంట్, ప్రిన్సిపాల్ సార్ లక్ష్యం
 లక్ష్యసాధన కొరకే ప్రతి ఒక్కరి ఆరాటం
 ఇది కొత్త కొత్త ప్రయోగాలకు వేధికా
 విద్యార్థుల భవిష్యత్తుకు భావుటా

Written by
 Dr.A.Chaithanya Krishna



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