

***ELECTRONICS &
COMMUNICATION ENGINEERING***

CAMPUS PULSE

NEWS LETTER



2021-22 Issue 1 (July- Oct)



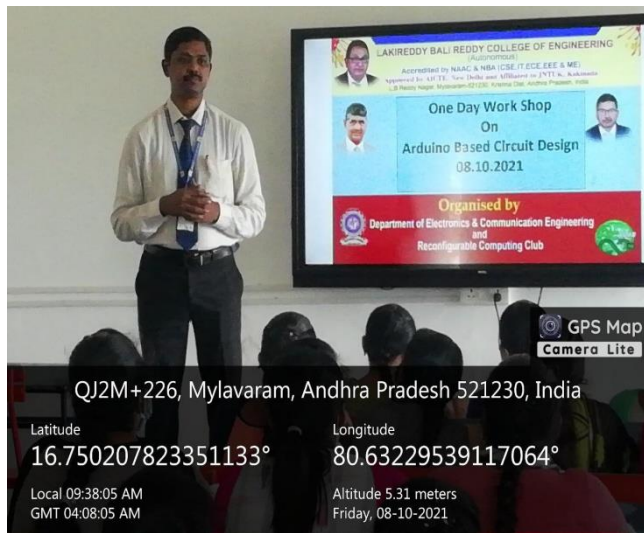
***LAKIREDDY BALIREDDY COLLEGE OF ENGINEERING
MYLAVARAM***

Workshops conducted: 01

Name of the Coordinators: Dr.G.L.N.Murthy

Duration: 1 day

Title of the Workshop	No. of Participants	Name of Resource Persons	Name of Organization/ Institute	Address	Date
One Day workshop on Arduino based Circuit Design	60	Mr.C.Sudhakar Reddy	SRC e solutions		08.10.2021



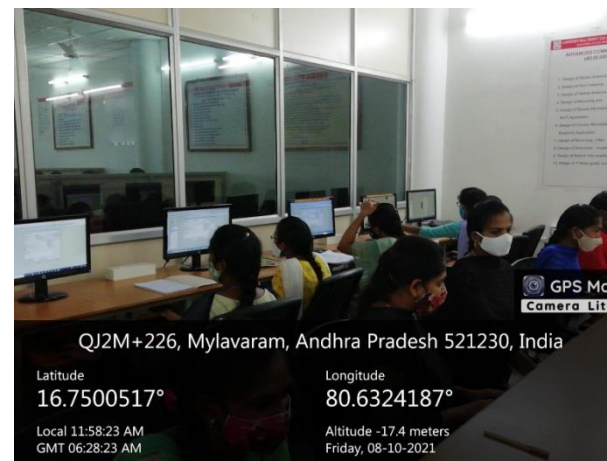
Addressing by Dr.Y.Amar Babu,
Head , Department of ECE



Addressing by Sri.C.Sudhakar Reddy, SRC
e solutions, Vijayawada



Hands on sessions in SSP lab assisted by Sri.C.Sudhakar Reddy



Students practicing the programming part in SSP lab

3. Faculty Publications & Research Mobilization :

Journal Publications: 24

Title of paper	Name of the author/s	Dept	Name of journal	Year	ISSN number	Link of the recognition in UGC enlistment of the Journal
Intelligent Traffic Control System using ARM7 Controller and Image Processing Techniques	E.V. Krishna Rao, N. Alekhya, K.Rupa, M. Sai Sujith, Sk Abdulla Aman Ahmed	ECE	Revista Geintec-Gestao Inovacao E Tecnologias	2021	2237-0722	https://www.revistageintec.net/index.php/revista/article/view/2314
IoT based Smart Protective Equipment for Women	B. Ramesh Reddy, T.Sowjanya, N. Bala Subrahmanyam, G. Mahantesh, S. Prudhvi	ECE	Materials Today Proceedings	2021	2237-0722	https://www.sciencedirect.com/science/article/pii/S2214785321049105

Smart Crop Monitoring and Automatic Irrigation System using Machine Learning and IoT	Y.S.V. Raman, P. Suresh, P. Jnana Sudheer, P. Prudhvi, S.Gopi, A. Narendra Babu	ECE	Revista Geintec-Gestao Inovacao E Tecnologias	2021	2237-0722	https://www.revistageintec.net/index.php/revista/article/view/2316
Instant Automobile Crash Recognition System	Y.S.V. Raman, M. Madhusudhan, A. Srikanth Reddy, M. Sri Harshavardhan, S. Babykavyasree	ECE	International Journal of Future Generation Communication and Networking	2021	2233-7857	https://serisc.org/journals/index.php/IJFGCN/article/view/36882
Development of Smart Parking Management System	M. Venkata Sudhakar, A.V. Anoor Reddy, K. Mounika, M.V. Sai Kumar, T. Bharani	ECE	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321048926
Audio Signal Noise Cancellation with Adaptive filter techniques	M. Venkata Sudhakar, M. Prabhu Charan, G. NagaPranai, L. Harika, P. Yamini	ECE	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321049324
Effective Monitoring and Proteting system for agriculture farming using IoT and Raspberry pi	Poornaiah Billa, K Venkatesh, J. Venkata Sai, K. Lohith, A. Sampath Kumar	ECE	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321049178
Optimization of bimorph cantilever based piezoelectric energy harvester for high efficiency	Satyanarayana Talam, Nikhitha Y, Ch. Neeraj Kumar, K. Jeevan Naga Sai, V. Lohitha	ECE	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321049063

Design of High Speed and Low Area Confined Multiplie on FPGA	Kandagatla Ravi Kumar, Cheeli Priyadarshini, Kanakam Bhavani, Ankam Varun Sundar Kumar, Palanki Naga Nanda Sai	ECE	Revista Geintec-Gestao Inovacao E Technologias	2021	2237-0722	https://www.revistageintec.net/index.php/revista/article/view/2314
Real Time Face Mask Detection and Thermal Screening with Audio Response for COVID-19	M. Sivasankara Rao, K. Tejasree, P.Sathwik, P.Sandeep Kumar, M.Sailohith.	ECE	Revista Geintec-Gestao Inovacao E Technologias	2021	2237-0722	https://revistageintec.net/index.php/revista/article/view/2311
Development of Wearable Vest for Monitoring Body Health Parameters	B.V.N.R. Siva Kumar, B. Vasanthi, K. Pravallika, A.V. Amar Sai Kumar, K. Kiran	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2021	2651-4451	https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-1446.pdf
Smart Virtual Assistant	Pavani Kollamudi, Bhargavi Koduru, Bharathi Poranki, Madhu Priya Golla	ECE	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321051622
Development of GPS & GSM based advanced system for tracking vehicle speed violations and accidents	A. Om Venkat Pavan Kumar, D. Nandini, M. Manobi Sairam, B.P. Madhusudhan	ECE	Materials Today: Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321049038
Customer Analytics using K-Means Clustering and Elbow Modelling with Product Associative Analysis using Unsupervised Machine Learning	M.V.L. Bhavani, Nemalidinne Rajamohan Reddy, Thota Gayatri, Shaik Roshan, V. Chandra Sekhar	ECE	International Journal of Aquatic Sciences	2021	2008-8019	http://www.journal-aquaticscience.com/article_133611.html

Smart Traffic Controlling System	P. Lachi Reddy, V. Divya, D.Swapna, D.Chinmayi Srinija, M. Rajesh	ECE	Materials Today Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S221478532105224X?via%3Dihub
Optimized garbage Segregation and Monitoring System	P. Lachi Reddy, Sk.Sabiha, K.Jaswitha, P.Dinesh, V.Naveen	ECE	Materials Today Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321051154
Smart Door System with Thermal Screening and Mask Detection for Covid-19 Rehabilitation	Srinivasulu Gundala, N.Meghana Preethi, G. Tejaswini, Ch. Gayathri, A. Harshavardhan Reddy	ECE	Design Engineering	2021	ISSN: 0011-9342	https://thedesigengineering.com/index.php/DE/article/view/3529
Seasonal Variations of Lightning Activity over Uttar Pradesh during 1998	M.C.Rao, N.Umakanth, T.Satyanarayana, B.T.P. Madhav	ECE	AIP Conference Proceedings	2021	1551-7616	https://aip.scitation.org/doi/abs/10.1063/5.0052434
Study of rainfall over patna region, India during 2013	N.Umakanth, T.Satyanarayana, B.T.P. Madhav, M.C.Rao	ECE	AIP Conference Proceedings	2021	1551-7616	https://aip.scitation.org/doi/abs/10.1063/5.0052440
Low Cost Intelligent Smart Glasses for Visually Challenged Persons	Linga Murthy M.K, Macharla Gowtham, Marakapudi Priyanka, Degala Mohit, Pavan Gurijala	ECE	Turkish Journal of Physiotherapy and Rehabilitation	2021	2651-4451	https://www.turkjphysiotherrehabil.org/pub/pdf/321/32-1-1445.pdf

Design of Dipole Aerial by using COMSOL Multi Physics Software	V. Ravi Sekhara Reddy, B.V. Naga Sai, N. Venkata Pavan Kumar, s. Sai Vardhan Reddy, B. Sai Kathyayani	ECE	Materials Today Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321051373
A High Flexible Low-Latency Memory based 5g FFT Processor	T.Kalpana, V. Yaswanth Naveen, Y.Manasa, N.Naveen Reddy	ECE	International Journal of Future Generation Communication and Networking	2021	2233-7857	http://www.sersc.org/journals/index.php/IJFGCN/article/view/36897
Design of 2 Port MIMO Antenna for 5 G Communications	P. Venkateswara Rao, Ch. Siva Rama Krishna, M. Samba Siva Reddy, Dr.S. Barathi, Ashwini	ECE	Design Engineering	2021	ISSN: 0011-9342	http://www.thedesignengineering.com/index.php/DE/article/view/3898
Dielectric Investigations on metal(Ni and Cu) tetrahydroxy phenyl porphyrins in PMMA polymer matrix.	P. Prasanth, Satyanarayana Talam, Buthanapalli Ramakrishna, Gunnam Nagaraju, Rambabu Busi, M.C.Rao, Venkataramanaiah Nutalapati	ECE	Material Today Proceedings	2021	2214-7853	https://www.sciencedirect.com/science/article/pii/S2214785321065068

Conferences: 09

S.No	Authors	Name of Conference	Title of Paper	Venue	Duration
1.	Dr.G.L.N. Murthy, K. Dharani, R.Durga Likhith, K. Rama Tirupathi Rao, M. Sandeep	1 st International Conference on Advances in Signal Processing Communications and Computational Intelligence	An MFCC Based Machine Learning Frame work for Neuromuscular Disorder Detection	CMR Technial Campus, Hyderabad	23-07-2021 to 24-07- 2021
2	Dr.G. Srinivasulu	6 th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021)	Performance Analysis of CMOS, PTL and GDI Based Braun Multiplier for Signal Processing Applications	Sri Venkateshwara College of Engineering, Bengaluru, Karnataka	27/08/2021 to 28/08/2021
3	Dr. K. Ravi Kumar	6 th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021)	Speech Enhancement Techniques and its Implementation	Sri Venkateshwara College of Engineering, Bengaluru, Karnataka	27/08/2021 to 28/08/2021
4	Dr. K. Ravi Kumar	6 th IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2021)	Subspace and Frequency Domain Speech Enhancement Techniques	Sri Venkateshwara College of Engineering, Bengaluru, Karnataka	27/08/2021 to 28/08/2021
5	Siva Kumar Boddupalli VNR	International Conference on Innovative Research in Engineering and	Selection of Suitable Material for 3D printing of Lower Limb Exoskeleton	Institute for Engineering Research and Publication (Virtual Conference)	29-09-2021 to 30-09- 2021

		Technology	Frame		
6	K. Balavani	International Conference on Artificial Intelligence and computing technologies	Crop Protection Optimization using AI for sustainable Agriculture	Malla Reddy College of Engineering, Telangana (Virtual Conference)	24-09-2021 to 25-09-2021
7	Dr.Y.Amar Babu	International Conference on Advances in Computer Engineering & Communication Technology (ICACET-2021)	Smart Water Management System using Internet of Things	Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh.	22-10-2021 to 23-10-2021
8	Dr. G. Srinivasulu	International Conference on Advances in Computer Engineering & Communication Technology (ICACET-2021)	Hand Gesture Recognition System using Machine Learning Algorithm for Physically Challenged People	Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh.	22-10-2021 to 23-10-2021
9	Dr. K. Ravi Kumar	International Conference on Advances in Computer Engineering & Communication Technology (ICACET-2021)	Smart Water Management System using Internet of Things	Aditya College of Engineering & Technology, Surampalem, Andhra Pradesh.	22-10-2021 to 23-10-2021

Patent publications: 02

S.No	Name of Applicant / Inventor	Title of the Patent	Submitted / Published / Awarded	Patent Number	Date	Patent Office
1.	Dr. Yarrapragada K S S Rao, Mr Ronald Chiwariro, D. Nithin H S, Dr.B. Somasundaram Dr. Pal Pandian P Dr Ivan Sunit Rout, Mr. Ramashis Banerjee, Dr. Mohammed Imran, Dr.Buddesab, Dr. K.Ravi Kumar Kandagatla, Mr. A S Rajesh, Mr. Mahesh Kumar A S	Development of Multi-Sensor Smart Robot for Intelligent border Security Surveillance System.	Published	202141033795	27-07-2021	India
2.	Dr.Srinivasulu Gundala, Dr.Mahaboob Basha, Dr.K.Venkata Ramanaiah, Mr.Kota Nikhileswar	Transmission Gate Voltage Level Translator for Deep Sub-Micron Technology	Published	202141028829	09-07-2021	India

Applied Projects 02

S. No	Name of Faculty	Title of Proposal	Funding Agency	Amount In Rupees/-	Academic Year/ Date of Submission
1.	Dr.P. Rakesh Kumar	Nondestructive Food Inspection Via Electromagnetic Sensing and Imaging for Food Quality and Safety Assessment	SERB(Empowerment and Equity Oppurtunities for Excellence in Science)	21,25,000 /-	20-07-2021
2.	Dr. B. Poornaiah (PI) Dr. E.V. Krishna Rao (Co-PI) Dr. K. Ravi Kumar (Co-PI) Dr. P. Rakesh Kumar (Co-PI) Dr. B.Y.V.N.R. Swamy (Co-PI) Dr. B. Siva Hari Prasad (Co-PI) Smt. B. Rajeswari (Co-PI)	Technology Enabled Co-Working Community Center for the Empowerment and Economic upliftment of rural SC people	DST (STI Hub)	1,39,32,237 /-	30-09-2021