



**CMR TECHNICAL CAMPUS**



**Department of ECE**

# *ANSGHIT 2019*

**-Annual Magazine**

**2020 Edition**



## **INSIDE VIEW:-**

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<i>Internships</i>	<b>Workshops</b>	





**CMR TECHNICAL CAMPUS**

**UGC AUTONOMOUS**

Approved by AICTE, New Delhi & JNTU Hyderabad

Kandlakoya | Medchal Road | Hyderabad - 501 401 | Telangana



## NEWSLETTER

### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Academic Year:1<sup>st</sup> July -30<sup>th</sup> June [2020-2021]**

#### **Faculty Publications**

1. Mahesh V Sonth, G Srikanth, Pankaj Agrawal, B Premalatha, Basic Logic Gates in Two Dimensional Photonic Crystals for All Optical Device Design, International Journal of Electronics and Telecommunications, Vol. 67, No. 2, pp. 247-253, 2021. [ESCI Indexed, IF: 0.81, ISSN: 2081-8491 and E-ISSN:2300-1933, Polish Academy of Sciences, DOI: 10.24425/ijet.2021.135972]
2. Juhi Nishat Ansari, Sanjaykumar C. Gowre, Mahesh V Sonth, Baswaraj Gadgay and Aashis S. Roy, Photonic Nano Dielectric Crystal Cavity with Infiltrated Biosamples for Refractive Index Sensing Application, Integrated Ferroelectrics, Vol. 213, No. 1, pp. 93-102, 2021. [SCIE Indexed, IF: 0.557, Print ISSN: 1058-4587 and Online ISSN: 1607-8489 Taylor & Francis,
3. Mahesh V Sonth, Savita Soma and Sanjaykumar C Gowre, Investigation of light behavior of all optical full adders in two-dimensional photonic crystals, Microwave and Optical Technology Letters, Vol. 63, No.4, pp. 1304-1308, 2021. [SCIE Indexed, IF: 0.957, ISSN:0895-2477 and E-ISSN:1098-2760, Wiley-Blackwell,
4. Mahesh V Sonth, Sateesh Ambesange, D. Sreekanth, Sateesh Tulluri, Optimization of Random Forest Algorithm with Ensemble and Hyper Parameter Tuning Techniques for Multiple Heart Diseases, Solid State Technology, Vol. 63, No. 5, pp. 3961-3972, 2020. [Google Scholar Indexed, IF:0.3, ISSN:0038-111X, PennWell Publishing Co.]
5. S.Prasad Jones Christydass, B. Praveen Kitti, Mahesh V Sonth, Beno Austin, Dr.Suraya Mubeen and Nivethitha T, Metamaterial Inspired Rectangular Microstrip Antenna for Multiband THz Application, Solid State Technology, Vol. 63, No. 6, pp. 4568-4578, 2020. [Google Scholar Indexed, IF:0.3, ISSN:0038-111X, PennWell Publishing Co.]
6. Premalatha, Srikanth.G. Babu, P.R., Mahesh V Sonth, Design and analysis of two dimensional electromagnetic band gap antenna for WIFI applications, AIP Conference Proceedings 2021, 2358, 090005
7. Tareeq Zaid, Nagashettappa Biradar and Mahesh V Sonth, IMT Estimation through Points of Interest based on Surf and MSER Descriptors, NCECC-2020: National Conference on Electronics, Communication and Computation, Jamshedpur, India, September 5-6, 2020.
8. Chilakala Sudhamani, "Detection Probability Maximization through Optimization of Samples in Cognitive Radio Networks", International Journal of Multimedia Tools and Applications, pp: 1-11, June 2021.

9. Chilakala Sudhamani, Ashutosh Saxena and V Aswini, "Improved Detection Performance of Energy Detection based Spectrum Sensing in Cognitive Radio Networks", *International Journal of Sensors, Wireless Communications and Control* , Vol. 11, June 2021.
10. Chilakala Sudhamani, Ashutosh Saxena and V Aswini, "An Energy Efficient Reporting Scheme for Cognitive Radio Networks", *International Journal of IET Networks* , March 2021.
11. Chilakala Sudhamani, "Double Threshold Spectrum Sensing with Optimization of Samples in Cognitive Radio Networks : Optimization of samples" , *IIUM Engineering Journal*, Vol. 22, Issue:2, PP: 161–167, December 2020.
12. Bharath Kumar K., Chilakala Sudhamani., Mohd Abdul Naqi, SireeshaPendem, "Smart Jacket for Health Monitoring using LabVIEW," in *Materials Today Proceedings*, December 2020.
13. K Bharath Kumar, Chilakala Sudhamani, Md Abdul Naqi and S. Mallesh Narayan, "Reflexive Engine to Lock the System for Driving While Intoxicated – Simulation by Using LabVIEW" *International Journal of Online and Biomedical Engineering*, Vol. 16, No. 13, Sepetmber 2020.
14. Chilakala Sudhamani, "Smart stick for the visually impaired," *Advances in Modern Sensors- Physics, Design, Simulation and Applications*, IOP Publishing, Bristol, UK, November 2020.
15. Chilakala Sudhamani, "Performance of Cooperative Spectrum Sensing in Cognitive Radio Networks," *GRIN Verlag*, October 2020
16. T. Shanmuganantham, K. Bharath Kumar, S. Ashok Kumar, "Analysis of tree-shaped slotted impedance matching antenna for 60 GHz femtocell applications", *ICT Express*, Elsevier publication, 9 February 2021.
17. Bharath Kumar K., Sudha Mani Ch., Naqi Mohd Abdul, Sireesha Pendem, "Smart jacket for health monitoring using LabVIEW", *Materials Today: Proceedings (Elsevier)*, 2214-7853, 2021.
18. Sateesh Amarneni, Mallesh Sudhamalla, Dr.K.Bharat Kumar, Dharma Teja Sabbani, Uma Boda, "Implementation of a 32-bit MIPS based on the RISC processor by using VHDL" , *European Journal of Molecular & Clinical Medicine* ISSN 2515-8260 Volume 7, Issue 4, 2020.
19. K. Bharath Kumar, Ch. Sudha Mani, Mohd. Abdul Naqi, S. Mallesh Narayana, "Reflexive Engine to Lock the System for Driving While Intoxicated – Simulation by Using LabVIEW", *International Journal of Online and Biomedical Engineering (iJOE)* Vol. 16, No. 13, 2020.
20. K. Mohana Lakshmi, "Design and Implementation of Child Safety Device In Real Time Monitoring System" *Journal of Engineering, Computing & Architecture (JECA)*, ISSN NO: 1934-7197, Volume 10, Issue 7, July 2020.(UGC)
21. K. Mohana Lakshmi, "Security for Protecting Agricultural Crops from Wild Animals Using GSM Technology" *Journal of Shanghai Jiaotong University*, ISSN:1007-1172, July 2020.(UGC)
22. K. Mohana Lakshmi, "Telugu Word Image Retrieval using Deep Cluster" *Turkish Journal of Computer and Mathematics Education*, Volume. 12 No. 11, ISSN: 3247- 3255. May 2021.

23. Dr.B.Doss, Mohd Ameenuddin, Swarna Venkatesh, Dr.D.Lakshmaiah, "A Novel Design of Low Noise Bio Signal OTA", Solid State Technology, Volume: 63 Issue: 6, November 2020, ISSN: 0038-111X, pp. 201741- 201750.
24. MD.Ejaz ahamed, Ziaul Haque, Dr.B.Doss, Dr.D.Lakshmaiah, "Design of a CMOS Three Stage Ring VCO in 180nm", Solid State Technology, Volume: 63 Issue: 2s, October 2020, ISSN: 0038-111X, pp. 773-780.
25. D.Sreekanth, "IOT Enabled Wireless Sensor Networks for Controlled and Safe Routing", International Journal of Aquatic Science, Vol. 12, Issue 02, June 2021, ISSN 2008-8019.
26. D.Sreekanth,"MIMO System FER Performance Analysis in Various Fading Environments with OSTBC-TCM Combination", Solid State Technology, Volume No.63, Issue 5, November 2020, ISSN 0038-111X.
27. D.Sreekanth, "Optimization of Random Forest Algorithm with Ensemble and Hyper Parameter Tuning Techniques for Multiple Heart Diseases", Solid State Technology, Volume No.63, Issue 5, November 2020, ISSN 0038-111X.
28. D.Sreekanth, "Security for Protecting Agricultural Crops from Wild Animals using GSM Technology", Journal of Shanghai Jiao tong University, Volume 16, Issue 7, July-2020, ISSN: 1007-1172, Page No. 724 - 732.
29. Sateesh Amarneni, Mallesh Sudhamalla, Dr.K.Bharat Kumar, Dharma Teja Sabbani, Uma Boda, Implementation of a 32-bit MIPS based on the RISC processor by using VHDL, published in European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 7, Issue 4, Page No. 2376-2382 in the Sept. 2020.
30. R Senthilkumar, P Venkatakrishnan, N Balaji, Intelligent based novel embedded system based IoT enabled air pollution monitoring system", Microprocessors and Microsystems, Elsevier, Vol.77, 103172, ISSN: 0141-9331,2020
31. G. Dinesh P. Venkata Krishnan, K. Meena Alias Jayanthi, "Dispersed spectrum sensing and scheduling in cognitive radio network based on SSOA-RR", Journal of Communication System ,Vol. 33, e4588, 2020.
32. G. Dinesh P. Venkatakrishnan ,K. Meena Alias Jeyanthi, "Modified spider monkey optimization - An enhanced optimization of spectrum sharing in cognitive radio networks", Journal of Communication System ,Vol 34, e4658, ISSN:1099-1131,2021

### **Faculty Achievements**

- 1.Dr.Suraya Mubeen acted as Resource Person for One week Quality Improvement Programme on Real Techno world Applications in Electronics and Communication Organised by Department of ECE from 3<sup>rd</sup>-8<sup>th</sup> August 2020.
- 2.Dr.Suraya Mubeen,Dr.P.Sirresha Received best paper award for International Conference on Advances in Signal Processing Communications and Computational Intelligence (ASCCI) in 2021

### **Awards/Honours Received**

1. Dr.K.Bharath Kumar Received IJIEMR-ELSEVIER SSRN Research Awards 2021.
2. Dr.K.Bharath Kumar Received Dr. Sarvepalli Radha krishnan Best Teacher Award – 2021
3. Dr.Mahesh v Sonth Best paper award in NIT Jamshedpur national conference - Sept 2020

## **Events Conducted**

1. Dr.Ch.Sudhamani Organised Two weeks online FDP on “Wireless Communication Technologies for IoT” from 27th July - 7th Aug 2020.
2. Dr.Ch.Sudhamani Organised One Week online FDP on “Understanding of Coastal Ocean Process using Remote Sensing and Numerical Methods” from 21st Sep - 25 Sep 2020.
3. Dr.Ch.Sudhamani Organised One week online FDP on “Remote Sensing Applications in Agricultural Water Management” from 3rd Aug - 7th Aug 2020.
4. Dr.Sudha Arvind Under RCACS in association with IIC Organized One Day National Webinar on “Entrepreneurship in Blockchain Space”, scheduled on 09-07-2020 7.
5. Dr.Sudha Arvind Conducted /organized IIC 3.0 Council meeting as a Convener on November 10th2020.
6. Dr.Sudha Arvind Organized IIC Driven Activity ,Motivational Session on “My story as a Successful Enrepreneur” scheduled on 3rd December 2020.
7. Dr.Sudha Arvind Organized IIC National Innovation Contest 2020 EUREKA from 20-12-2020 to 15- 01-2021 10.
8. Dr.Sudha Arvind Organized Online session on “IDEA GENERATION Towards Start-Up’s and it’s Policies scheduled on 26-12-2020 11.
9. Dr.Sudha Arvind Organized Toycathon 2021 Idea Submission event from 10th January to 31-01-2021
10. Dr.Sudha Arvind.Organized and Collected Idea from 24 teams and with their Proof of concepts

## **Events Attended**

1. Sharma, Arvind K. ; Upreti, Kamal ; Sidhu, Rajwinder Singh ; Agrawal, Pankaj ; Herur, Santosh ; Bhat, Nagaraj ; ., Madhusudan ; Gulati, Kamal ; Bhasin, Narinder Kumar ; Tewari, Ranjana ; Sonth, Mahesh V. ; M., Mahendra B. ; Kalpana, V. ; B., Venkaiahppalalswamy ; Yaseen, Syed Mufassir ; Takyi, Kate ; Kshirsagar, Pravin R. ; A System for Detection of Corona Virus in Human Body Using Artificial Intelligence, Australian application/Patent number: 2020102228, Date of granted: 14th October 2020, Expiry date: 11th September 2028.
2. Dr.Ch.Sudhamani Participated AICTE-ISTE funded Induction / Refresher program (Second Phase) on ‘Next Generation Wireless Communication: 5G & Beyond’, at K.S. Institute of Technology from 03/05/2021-08/05/2021
3. Dr.Ch.Sudhamani Participated IETE Six Day Faculty Development Program on “Disruptive Technologies in Electronics & Communications”, atV idya Jyothi Institute of Technology from 22/06/2020– 27/06/2020
4. Dr.Ch.Sudhamani Attended Online Elementary FDP on "Quantum Computing Algorithms and Machine Learning", at R V College of Engineering from 6<sup>th</sup> -12<sup>th</sup> June 2021
5. Dr.Suraya Mubeen Participated in International Workshop on Emerging Research Areas in Wireless Communications held at Sri Sivasubramanian Nadar College of Engineering, Chennai, India during 18-19 September 2020

6. Dr.Suraya Mubeen Participated in International Workshop on MIMO and Beamforming Antennas for Satellite Communications conducted by IEEE Delhi in Collaboration with IEEE Jaipur from 26<sup>th</sup> -30<sup>th</sup> April 2021
7. Dr.Suraya Mubeen Participated in Faculty Development Programme in Challenges &Advances in Communication Systems for 5G by Department of ECE from 14<sup>th</sup> June - 18<sup>th</sup> June 2021
8. Dr.Suraya Mubeen Participated in Faculty Development Programme in “Advanced Electromagnetics and Modern Antenna Design Principles” organized by the Department of Electronics and Communication Engineering by SSN College of Engineering Chennai from 6<sup>th</sup> -12<sup>th</sup> December 2021
9. K.Mohana Lakshmi ,Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 5-10-2020 to 9-10-2020 at Shetty institute of technology, kalaburagi.
10. K.Mohana Lakshmi, Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Medical Image Processing and Deep Learning Technologies" from 2020-9-21 to 2020-9-25 at Panimalar Institute Of Technology.
11. K.Mohana Lakshmi, Participated in a two-week Online Faculty Development Programme on “ICT Tools for Teaching, Learning Process and Institute” jointly organized by Electronics and ICT Academies held from 10th - 21st August, 2020 under the “Scheme of financial assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.
12. K.Mohana Lakshmi, Participated in AICTE Sponsored one week Online short term training program on “ Research Avenues in Machine Learning Approaches for Pattern Recognition” organized by department of electronics and communication engineering, MGIT, Hyderabad from 21<sup>st</sup> -26<sup>th</sup> September 2020.
13. K.Mohana Lakshmi ,Completed 12 Week online course "An introduction to Artificial intelligence " in April 2020.
14. K.Mohana Lakshmi, Completed 12 Week online course "Applied Linguistics "in April 2021.
15. Md.Abdul Naqi Attended FDP on “Future Nano Electronic Devices& Circuits” organized by MGIT from 6th July to 10<sup>th</sup> July 2020
16. A.Vamsidhar Reddy Attended One Week Faculty Development Programme on “Exposure & Rejuvenation of Technologies in changed Era of the World" at Raj Kumar Goel Institute of Technology, Ghaziabad, U.P. India on 6th-10th July, 2020
17. A.Vamsidhar Reddy Attended a Two week Online Faculty Development Programme on “Embedded UVM open source Emulation & Functional Verification” Electronics and ICT Academics,IIT Gauhati On 13th-24th July, 2020
18. A.Vamsidhar Reddy Attended a two-week Online Faculty Development Programme on “ICT Tools for Teaching, Learning Process and Institute” at Electronics and ICT Academics on 10th - 21st August, 2020
19. A.Vamsidhar Reddy Attended FIVE Day FDP On Digital VLSI Design and Verification at BIT, Bangalore On 23rd-27th August,2020

20. A.Vamsidhar Reddy Attended One Week STTP on “Research avenues in machine learning approaches for pattern recognition” at MGIT,Hyderabad on 21st-26th September, 2020
21. A.Vamsidhar Reddy Attended a course Fibonacci Numbers and the Golden Ratio at Coursera on 18th July,2020
22. A.Vamsidhar Reddy Attended a course Machine Learning Foundations: A Case Study Approach at Coursera on 30th July,2020
23. D.Sreekanth Attended “Cultivating Excellence in Implementation of Computational Science for Scientific and Technological Innovation” by Indian Institute of Technology Rourkela, ATAL, held from 14<sup>th</sup> to 18<sup>th</sup> June, 2021.
24. D.Sreekanth Attended “Sensor Technology” by Mizoram University, ATAL, held from 15<sup>th</sup> to 19<sup>th</sup> February, 2021.
25. D.Sreekanth Attended “Smart Cities” by Acharya Institute of Technology, ATAL, held from 18<sup>th</sup> - 22<sup>nd</sup> January, 2021.
26. D.Sreekanth Attended “Internet of Things” by Indian Institute of Technology (BHU), ATAL, held from 21<sup>st</sup> -25<sup>th</sup> October, 2020.
27. D.Sreekanth Attended “Artificial Intelligence using Python” by NSRIT in association with Brainovision Solutions India Pvt.Ltd & National Youth Council of India, held from 14<sup>th</sup> to 19<sup>th</sup> October, 2020.
28. D.Sreekanth Attended “Machine Learning and Data Science” by Vishwanthrao Deshpande Institute of Technology, Haliyal, Uttar Kannada, Karnataka, held from 31<sup>st</sup> August to 4<sup>th</sup> September, 2020.
29. D.Sreekanth Attended “ICT Tools for Teaching Process and Institute” by Electronics & ICT Academy, supported by Ministry of Electronics and Information Technology, Govt. of India, held from 10<sup>th</sup> to 21<sup>st</sup> August, 2020.
30. D.Sreekanth Attended “Wireless Communication Technologies for IOT” by Electronics & ICT Academy, supported by Ministry of Electronics and Information Technology, Govt. of India, held from 27<sup>th</sup> July to 07<sup>th</sup> August, 2020.
31. D.Sreekanth Attended “Recent Trends in Computer Science” by Thiruvalluvar University, Tittagudi, Cuddalore, Tamil Nadu, India, from 22<sup>nd</sup> to 28<sup>th</sup> July, 2020.
32. S.Mallesha Attended Five Day Online Faculty Development Programme on Image Processing and Machine Learning from 29<sup>th</sup> June to 4<sup>th</sup> July-2020, organized by CBIT, Hyderabad
33. B.Karuna Sree Attended 4 Day Online Faculty Development Programme on “Machine learning for Signal Processing and VLSI” from 5 to 8 June 2020, Conducted by Anurag University, Hyderabad.
34. B.Karuna Sree Attended 6 day online on Faculty Development Programme “Data science using R –Programming” from 12 to 17 June 2020, Organized by Mahaveer Institute of Science & Technology, Hyderabad.
35. B.Karuna Sree Attended 12 Days Online Faculty Development Programme on “Recent Trends, Advancements and Applications of Communication Technologies ,from 25<sup>th</sup>- 29<sup>th</sup> May 2020, Organized by CMR Technical Campus ,Hyderabad .
36. .M.Sravanthi Attended a two-week Online Faculty Development Programme on “ICT Tools for Teaching, Learning Process and Institute” jointly organized by Electronics and ICT Academies held from 10th - 21st August, 2020 under the “Scheme of financial



assistance for setting up of Electronics and ICT Academies” of the Ministry of Electronics and Information Technology (MeitY), Government of India.

37. M.Sravanthi Participated in ATAL Online Elementary FDP on "Modern Techniques for Wireless Communication" from 2021-05-17 to 2021-05-21 at Madhav Institute of Technology & Science, Gwalior.
38. M.Sravanthi Attended Seven days Online FDP on Scope of Artificial Intelligence and Machine Learning in Automation from 11/05/2020 to 17/05/2020 organized by Velalar college of Engineering and Technology, Chennai
39. M.Sravanthi Participated in One Week Faculty Development Program on “Recent Trends in VLSI and Embedded Auto Industry” from 20th to 24th of May, 2020 organized by the Centre for VLSI and Embedded Systems Design (CVESD) in association with Dept. of ECE, CMR Technical Campus, Hyderabad
40. M.Sravanthi Participated in One Week Faculty Development Program on “Modelling, Measurement and Research trends in Microstrip Patch Antenna” conducted from 20.07.2020 to 25.07.2020 organized by Department of Electronics and Communication Engineering in association with IETE Student Forum-Hyderabad and MTT-S, Kerala Chapter.
41. M.Sravanthi Participated in Faculty Development Programme from 10-05-2021 to 15-05-2021 on Python 3.4.3 organized by CMR Technical Campus with course material provided by Spoken Tutorial Project, IIT Bombay.
42. M.Sravanthi Participated in One Week Online Faculty Development Program on “ Recent Trends, Advancements and Applications of Communication Technologies, RTAACT-2020” Organized by Research Centre for Advanced Communication Systems (RCACS) , CMR Technical Campus, Hyderabad, from 25th May 2020 to 29th May 2020.
43. Md.Ameenuddin Participated in Faculty Development Programme ICT Tools for Teaching, Learning Process and Institute” jointly organized by Electronics and ICT Academies from 10th-21st August,2020.
44. Md.Ameenuddin Participated in Faculty Development Programm. 3-Day Faculty Development Programme on “Recent Trends in Wireless Communication Technologies” from 3rd to 5<sup>th</sup> August 2020.
45. Dr.Sudha Arvind, Attended Innovation Ambassador Training schedule for Entire July month(16 sessions) 2021 in Advanced Level organized by Ministry of Education’s Innovation Cell ,Govt. of India
46. Dr.Sudha Arvind, Attended Kalam Program for IP Literacy and Awareness organized under Kalam Program for National Intellectual Property Literacy week held from 15th to 23rd October 2020
47. Dr.Sudha Arvind ,Two Weeks Online faculty Development Program on “ICT Tools for Teaching, learning process and Institute ICT Academy in August 2020.
48. Dr.Sudha Arvind Two week Online Faculty Development Program on “ Wireless Communication Technologies for IoT” Jointly organized by Electronics and ICT Academics held from 27 July to 7th August 2020 under the scheme of Financial assistance for setting up of Electronics and ICT academics.

49. Dr.Sudha Arvind One week Faculty Development Program on CYBER Security, Virtual reality and Augmented Reality by HITAM through AICTE ATAL FDP, 7 th to 11th September 2020

### Events Conducted By Industry Innovation Council

Coordinator:Dr.Sudha Arvind,Co-Coordinator K.Mohana Lakshmi,D.Sreekanth

Year	Name of the workshop/ seminar
2021	E-QUIZ ON DESIGN THINKING, INNOVATION AND ENTREPRENEURSHIP
2020	IKS ORIENTATION SESSION
2020	KAPILA: KALAM PROGRAM FOR IP LITERACY AND AWARENESS
2020	MY STORY - MOTIVATIONAL SESSION BY SUCCESSFUL ENTREPRENEUR/STARTUP FOUNDER.
2021	NATIONAL WEBINAR ON RESEARCH, INNOVATION AND RANKING
2021	SESSION ON “HOW TO PLAN FOR START-UP AND LEGAL & ETHICAL STEPS”
2020	SESSION ON IDENTIFYING INTELLECTUAL PROPERTY COMPONENT AT THE EARLY STAGE OF INNOVATION
2020	MOTIVATIONAL SESSION ON "THE STORY OF A SUCCESSFUL ENTREPRENEUR"
2021	SIGNIFICANCE OF ENTREPRENEURSHIP IN DIGITAL ERA
2021	TALK ON “FROM YOUR PH.D./ MASTERS THESIS TO A START-UP
2021	THE ENTREPRENEUR JOURNEY & CHALLENGES
2020	WORKSHOP ON “ENTREPRENEURSHIP AND INNOVATION AS CAREER OPPORTUNITY”
2021	WORKSHOP ON INTELLECTUAL PROPERTY RIGHTS (IPRS) AND IP MANAGEMENT FOR START UP
2021	WORLD ENTREPRENEURS DAY CELEBRATION

### Patents

1. Dr.Ch.Sudhamani ,An Efficient Network Establishment method for IoT Security using Blockchain, Application No.202141034133 A and date of publication 13/08/ 2021.
2. Dr.Ch.Sudhamani ,System for Time Variant Back Pain Data Recording Using IoT, Patent No: 2020101847 and publication date 16/09 2020
3. Dr.Suraya Mubeen, “General Machine Learning Model For Access Point Placement in Reconfigurable Wireless Networks” ,Application No. 202141017934 Date 30/04/2021
4. Dr.Suraya Mubeen, “Embedded Real-Time finger-Vein Detection Based Advanced Security System” Application No. 202041035424 Date:04/09/2020
5. Dr.Suraya Mubeen, K.Mohana Lakshmi,GPS data spoofing and malfunctioning detection system using classifiers, Application No. 2021100964,Date:02 /02/2021
6. Dr.P.Sirresha Massive machine type communication technique for Instant inventory updation in retail shops using 5G”with the application number 202110188782.
7. Dr.P.Sirresha Security technique in energy harvesting IOT devices using slotted aloha with NOMA” Application Number :20211009133

8.Dr.Sudha Arvind Indian Patent Application 202041016724 titled “ Methods of Composition for Infectious RNA Cdna of SARS CoronaVirus “ published by the Indian Patent Office in 2020

**Placements/Packages/Internships (fill in table format)**

<b>S.No</b>	<b>ROLL No</b>	<b>NAME</b>	<b>COMPANY</b>	<b>PACKAG E IN LAKHS</b>
1	177R1A0401	ANAKALA VENKATA NIKITHA	CAPGEMINI	3.80
2	177R1A0403	ANUMOLU MANIBABU	ACCENTURE	4.50
3	177R1A0404	BURMA ARCHANA	COGNIZANT	4.00
4	177R1A0408	K RAMYA	COGNIZANT	4.00
5	177R1A0410	BOWROTHU SANTHOSH KUMAR	TCS	3.30
6	177R1A0411	CH HARISH	COGNIZANT	4.00
7	177R1A0413	CHERLA SOWMYA	DXC TECHNOLOGIES	3.80
8	177R1A0418	BHASKAR SAI KUMAR DUDI	INFOSYS LTD	3.60
9	177R1A0419	D ANIVESH	INFOSYS	3.60
10	177R1A0421	DODDI HARSHA	WIPRO	3.00
11	177R1A0422	INDRAKANTI PRANAVI	COGNIZANT	4.00
12	177R1A0426	KANDUKURI SHIVANI	ACCENTURE	4.50
13	177R1A0429	NAVYA RUKMINI	VALUEMOMENTUM	3.60
14	177R1A0431	KOTIPAMULA SAI KISHORE	COGNIZANT	4.00
15	177R1A0433	BHANISHIVA PRAKASH	TCS NINJA	3.30
16	177R1A0434	NAGA MOUNEESHA	COGNIZANT	4.00
17	177R1A0435	LENKALA SOWMYA	NTT DATA	3.50
18	177R1A0436	LODDILA GANESH	XYENTA	3.50
19	177R1A0437	M DEEKSHANA	CAPGEMINI	3.80
20	177R1A0441	SHREYA SRI VITTAL	ACCENTURE	4.50
21	177R1A0442	MUTHANGI BHAVANA	COGNIZANT	4.00
22	177R1A0445	KESHAV PRASAD	TCS	3.30
23	177R1A0446	NANDYALA PREETHI GRACE	ACCENTURE	4.50
24	177R1A0447	PAVAN KUMAR	ZENSARK	3.00
25	177R1A0449	SAMBUR SHASHANK	ACCENTURE	4.50
26	177R1A0450	THOTA AKHILA	SUTHER LAND	2.00
27	177R1A0451	LIKHITHA	VALUEMOMENTUM	3.60
28	177R1A0452	THOTA JYOTHSNA	ACCENTURE	4.50
29	177R1A0456	VIKAS	VALUEMOMENTUM	3.60
30	177R1A0457	S. SHRAVYA	CAPGEMINI	3.80

31	177R1A0458	V.SAIPREETHAM	CAPGEMINI	3.80
32	177R1A0459	SHREE GANESH	CAPGEMINI	3.80
33	177R1A0460	SOURABH CHOUDHARY	COGNIZANT	4.00
34	177R1A0465	MEGHANABANGARE	CAPGEMINI	3.80
35	177R1A0471	ELLURI RAVINDRA REDDY	COGNIZANT	4.00
36	177R1A0472	BHOOPATHI ALEKHYA	DXC TECHNOLOGIES	3.80
37	177R1A0475	B LALITH KUMAR	COGNIZANT	4.00
38	177R1A0477	KOMMA SRILATHA	DXC TECHNOLOGIES	3.80
39	177R1A0481	SUNAY	MINDTREE	3.00
40	177R1A0482	MANASANI SANGEETHA	MINDTREE	3.00
41	177R1A0486	MARAM SAI POOJITHA	WIPRO	3.60
42	177R1A0488	JYOTHI MEDIPALLI	SUTHER LAND	2.00
43	177R1A0489	MEDURI BHARATH	ACCENTURE	4.50
44	177R1A0493	KATTA PREETHI	QUALITY KIOSK	3.10
45	177R1A0495	SRIVEN KUMAR	TECHNOFACTS	2.00
46	177R1A0497	NAVEEN KUMAR	ACCENTURE	4.50
47	177R1A04A1	PAGIDYALA LIKHITHA	NTT DATA	3.50
48	177R1A04A7	PITTA NISHALINI	CAPGEMINI	3.80
49	177R1A04A8	TEJASHWINI	TCS NINJA	3.30
50	177R1A04B1	PEDDI VYSHNAVI	COGNIZANT	4.00
51	177R1A04B3	RAJU SUNKARABOINA	JUST DIAL	2.30
52	177R1A04B4	P. L. HARSHITHA	COGNIZANT	4.00
53	177R1A04B5	AMULYA THALLAPU	ACCENTURE	4.50
54	177R1A04B8	LIKITHA YEDA	ICICI BANK	3.50
55	177R1A04C0	SANJANA	ACCENTURE	4.50
56	177R1A04C3	A. ANAGHA	CAPGEMINI	3.80
57	177R1A04C7	KIRANMAI	VALUEMOMENTUM	3.60
58	177R1A04C8	JAYASREE	TECHNOFACTS	2.00
59	177R1A04D1	BAZARU AKHIL	ACCENTURE	4.50
60	177R1A04D3	B.SAI MOUNIKA	TECHNOFACTS	2.00
61	177R1A04D8	G. AKHIL KUMAR	ACCENTURE	4.50
62	177R1A04E1	G. HARIKA	CAPGEMINI	3.80
63	177R1A04E3	MANISH REDDY	EPAM	6.00
64	177R1A04E4	KOYYADA KARTHIK	GSPANN	
65	177R1A04E6	PRATHYUSHA	INFOSYS	3.60
66	177R1A04E7	KONTHAM KAVYA	TCS	3.30
67	177R1A04F4	MADHIREDDY.SHRUTHI	CAPGEMINI	3.80
68	177R1A04F7	M SAI KUMAR REDDY	WATCHGAURD TECHNOLOGIES	25K Internship/7 .8

69	177R1A04F8	ESSAM BAIG	CAPGEMINI	3.80
70	177R1A04G0	MYLA RUPASRI	ACCENTURE	4.50
71	177R1A04G1	NAMPALLY SRILATHA	WIPRO	3.00
72	177R1A04G2	PENDLI RAGHU VARAN	CGI	3.00
73	177R1A04G3	P.HARIKA	CAPGEMINI	3.80
74	177R1A04G4	SHARMA	VALUEMOMENTUM	3.60
75	177R1A04G5	KRISHNA REDDY	WIPRO	3.60
76	177R1A04G6	SOPAN	CAPGEMINI	3.80
77	177R1A04G7	SREERAMA PRATHIMA	DXC TECHNOLOGIES	3.80
78	177R1A04G9	SRIRAM D LAKSHMI	CAPGEMINI	3.80
79	177R1A04H1	NAGAJYOSHNA	ACCENTURE	4.50
80	177R1A04H3	PRADEEP REDDY	TCS NINJA	3.30
81	177R1A04H4	VELDANDI SAHITHI	TCS	3.60
82	177R1A04H5	JAYARAM VENNAPU	WIPRO	3.60
83	177R1A04H7	V.MOUDGALYA	ACCENTURE	4.50
84	187R5A0403	BANOTH PAVANI	TECHNOFACTS	2.00
85	187R5A0404	TUMMALLA PALLAVI	TECHNOFACTS	2.00
86	187R5A0405	AKULA PRASHANTH	SUTHER LAND	2.00
87	187R5A0406	GONE AVINASH	QUALITY KIOSK	3.10
88	187R5A0409	BOGA PRANAVI	CARRIER CORPORATION	4.00
89	187R5A0429	VEMULA SOUJANYA	COGNIZANT	4.00
90	187R5A0431	IRUKULLA CHANDANA	SUTHER LAND	2.00

#### **Students Achievements:**

1. Dr. Sudha Arvind, M. Rupasri, G. Harika, Surya Teja, Krishna Sahith presented paper titled “Electrical Appliances Control by Google Assistant” in International Conference on International Conference on Advances in Signal Processing, Communications and Computational intelligence” organized by department of ECE on 23rd and 24th July 2021 at CMR Technical Campus in Virtual Mode .

2. Dr. Sudha Arvind, Vemula Soujanya, Naga Jyoshna, Pavan Kalyan, Rohith presented paper titled “Identification of Traffic Signals for Blind People” in International Conference on Advances in Signal Processing, Communications and Computational intelligence” organized by department of ECE on 23rd and 24th July 2021 at CMR Technical Campus in Virtual Mode.

3. Dr. Sudha Arvind, Sai Karthik Reddy, Chuchith, Kavya , Yashwnth presented paper titled “Simulation of DOS and DDOS Attacks using Network Simulator -3 in International Conference on Advances in Signal Processing, Communications and Computational intelligence” organized by department of ECE on 23rd and 24th July 2021 at CMR Technical Campus in Virtual Mode.

4. Dr. Sudha Arvind, M. Rupasri, G. Harika, Surya Teja, Krishna Sahith presented paper titled “Vehicles Licence Detection using QR Code” in International Conference on Technological Advancements in Science ,Engineering, Management and Pharmaceutics (ICTASEMP-2021)

organized by Department of Electronics and Communication Engineering, Holy Mary Institute of Technology and Science, Hyderabad, Telangana held on 15th and 16th July 2021.

5. Dr. Sudha Arvind, Sai Karthik Reddy, Chuchith, Kavya, Yashwnt paper presented titled “Performance Analysis of Reactive Routing Protocols and Impact of Black Hole Attack on AODV in the AICTE Sponsored International Virtual Conference on Antenna Innovations, 5g Communications and Network Technologies held during 6th -7 th November 2020, organized by Velammal Institute of Technology, Chennai.

**Any other relevant information**

1. Dr. Sudha Arvind

- With service contribution as a Convener for IIC 2.0 able to get 5 gold stars for the Institution for the Academic year 2019-20
- Institution Innovation Council Member (IIC 3.0), an initiative of Ministry of Education, Govt. of India, as a Convener of CMR Technical Campus
- Innovation Ambassador of CMR Technical Campus
- National Innovation and Start –Up Policy Co-ordinator,
- SPOC of CMRTC for Smart India Hackathon (2020)
- Guided Interstate (Chennai, Rajasthan, Mumbai) students for Participation in National Innovation Contest 2020, organized by Ministry of Education’s Innovation Cell, Govt. of India.

2. Dr. Suraya Mubeen Received Supervisor for IEEE Project Expo 2021 Conducted by Vardhaman College of Engineering for major project

**News Letter Convener: Prof. G. Srikanth HOD—ECE Department**

**Co-Convener: Dr. Suraya Mubeen Associate Professor ECE Department**