



R.M.K COLLEGE OF ENGINEERING AND TECHNOLOGY



RSM NAGAR, PUDUVOYAL- 601206

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**

**June 2022 - March 2023**

**PAPER PUBLISHED IN JOURNAL:**

1. Shanthi K G., Sessa Vidhya S., **Vishakha K., Subiksha S., Srija K K and Srinee Mamtha R.,**"Haar Cascade Face Detection and Local Binary Pattern Histogram Face Recognition based Drone" IEEE Xplore, June 2022, ISSN:2473-2001(SCOPUS Indexed)
2. Muthumanickam S., **Saranya R., Perezhil N M., Sangeetha K and Vinisha S.,** "Use of Deep Neural Networks in Detecting Breast Cancer Lesion" Lecture Notes in Electrical Engineering, July 2022, VOL.887, ISSN: 1876-1100 (SCOPUS Indexed)
3. Aishwarya N., Praveena N G., Karthikeyan C., and **Priyanka S.,** "IoT Enabled Detection and Notification System for Potholes and Road Cracks" Lecture Notes in Electrical Engineering, August 2022, VOL.905 (SCOPUS Indexed)
4. Swetha Reddy Anthay., **Vangimalla Nagarjuna., Tathireddy Venkata Mahesh., Tamba Aravind Royal and Sagiraju Vivid Varma .,**"Detection of Stress in Humans Wearing Face Masks using Machine Learning and Image Processing" IEEE Xplore, September 2022, ISSN: 2473-2001 (SCOPUS Indexed)
5. Sessa Vidhya S., Sivalakshmi P., Shanthi K G., **Vineesha Chowdary., Vishmitha., Yamini M and Yoshika K.,** "Kidney Stone Detection Using Deep Learning and Transfer Learning" IEEE Xplore, September 2022, ISSN: 2473-2001(SCOPUS Indexed)
6. Shanthi K G., **Sandhiya G., Abinaya K., Sangeetha A., Aruna T and Aswini R .,**"Performance Analysis of Vedic Multiplier and Modified Vedic Multiplier in Direct Digital Synthesizer" IEEE Xplore, September 2022, ISSN: 2473-2001 (SCOPUS Indexed)
7. Arun C., **Bavani M., Preethi C., Iswariya V and Nithya K.V .,**"Automating the Process of Monitoring Fish Pond Water using IOT" IEEE Xplore, November 2022, ISSN: 2473-2001 (SCOPUS Indexed)
8. Aishwarya N., Praveena N G., **Priyanka S and Pramod J .,**"Smart farming for detection and identification of tomato plant diseases using light weight deep neural network" Multimedia Tools and Applications, November 2022, ISSN: 1573-7721 (SCI)
9. Babu M., Shanthi K G., Arthi Devarani P., **Santhosh Kumar S., Sanjay Kumar S., Sanjay S and Ragasupraja S.,** "Web based Assessment and Training Model for Dyslexia Dyscalculia Dysgraphia Dyspraxia ADHD & Autism" IEEE Xplore, November 2022, ISSN: 2473-2001 (SCOPUS Indexed)

10. Shanthi K G., Sivalakshmi P., Sessa Vidhya S., **Sakthishree V., Jahnavi S and Sree Mouna M.,** "Atelectasis, Cardiomegaly and Effusion Disease Prediction using Image Processing (Convolutional Neural Networks)" IEEE Xplore, December 2022, ISSN: 2473-2001 (SCOPUS Indexed)
11. Sessa vidhya S., Shanthi K G., Sivalakshmi P., **Sohith Reddy V., Likith Varma V., Deleep Kumar V and Prasanth Reddy Y.,** "Design of UWB wearable microstrip patch antenna for Wireless Body worn applications" AIP Conference Proceedings, January 2023, VOL.2523, No: 1, ISSN:1551-7616 (SCOPUS Indexed)

#### **STUDENT CONFERENCE PUBLICATIONS ACADEMIC YEAR(2022-2023)**

1. Swetha Reddy A, **Vangimalla Nagarjuna, Tathireddy Venkata Mahesh, Tamba Aravind Royal, Sagiraju Vivid Varma,** "Detection Of Stress in Humans Wearing Face Masks Using Machine Learning And Image Processing" Third International Conference on Electronics and Sustainable Communication Systems (ICESC 2022), organized by, Hindusthan Institute of Technology, Coimbatore, India on 17.08.2022 to 19.08.2022.
2. Shanthi K G., **Sandhiya G., Abinaya K., Akula Sangeetha., Aruna T., Aswini R.,** "Performance Analysis of Vedic Multiplier and Modified Vedic Multiplier in Direct Digital Synthesizer" Third International Conference on Electronics and Sustainable Communication Systems (ICESC 2022), organized by, Hindusthan Institute of Technology, Coimbatore, India on 17.08.2022 to 19.08.2022.
3. Sessa Vidhya S., Shanthi KG., Sivalakshmi P., **Vishmitha D., Vinesha Chowdary V., Yamini M., Yoshika K.,** "Kidney stone Detection using deep learning and transfer learning", 4th International Conference on Inventive Research in Computing Applications ICIRCA 2022, organized by R V S College of Engineering and **Technology, Coimbatore, India., on 21.09.2022 to 23.09.2022.**
4. Shanthi K G., Sivalakshmi P., **Sakthishree V., Sessa Vidhya S., Jahnavi S., Sreemouna M., Srichandana T.,** "Atelectasis, Cardiomegaly and Effusion Disease Prediction using Image Processing (Convolutional Neural Networks)", 4th International Conference on Inventive Research in Computing Applications ICIRCA 2022, organized by R V S College of Engineering and Technology, Coimbatore, India., on 21.09.2022 to 23.09.2022.
5. Shanthi K G., Babu M., Arthi Devarani P., **Santhosh Kumar S., Sanjay Kumar S., Sanjay S., Ragasupraja S.,** "Web Based Assessment And Training Model For Dyslexia Dyscalculia Dysgraphia Dyspraxia ADHD & Autism", 4th International Conference on Inventive Research in Computing Applications ICIRCA 2022, organized by R V S College of Engineering and Technology, Coimbatore, India., on 21.09.2022 to 23.09.2022.

6. Arun Chokkalingam., **Bavani M., Chilaka Preethi., Iswariya V., Kavuturu Varalaxmy Nithya.,** "Automating the process of monitoring fish pond water using IoT", 3rd International Conference on Smart Electronics and Communication (ICOSEC-2022), organized by, Kongunadu Engineering College of Engineering and Technology, Trichy, Tamil Nadu, India on 20.10.2022 to 22.10.2022.
7. Arthi Devarani P., **Lokesh Ram A., Darthi V., Athul V G., Sai Shravanthi E V.,** "Disposal of Mask", Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022. Arthi Devarani P., Dr Inbamalar T M., Dr Chettiyar Vani Vivekanand., **Swetha R., Snekha R., Nivetha R.,** "Blood Bank M
8. **anagement System Through Website Application"** Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
9. Manimegalai L., **Priyadarsini S., Priyadharshini S., Punithamary M., Pavithra V.,** "Application of Digital Signal Processing Techniques in Communication", Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
10. Rajalakshmi.S., **Vaishali N., Vemanaboina Akshitha., Ushasree M.,** "IOT Based Drowsiness Detection System For Drivers" Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
11. Chettiyar Vani Vivekanand., **Vasanthakrishnan S., Sandeep V., Sundarrajan P., Umesh D.,** "Forest Fire Detection", Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
12. Kannagi V., **Swetha R., Madhuri A., Deepthi J.,** "Detection Of Diseases In Flora Through Leaf Image Classification By Convolution Neural Network", Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
13. Chettiyar Vani Vivekanand., **T J Gopikrishna., Saravanakumar J., Sundarrajan P., Varshini S.,** "Tampering With The Cameras/Sensitivity Or High Priority Area", Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
14. Seshavidya S., **Yeshwanth V G., Srinath M., Yogesh B.,** "HelioDrive Solar Tracker with Cleaner", ", Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by, R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.

15. Sesha Vidhya S., **Sreemitha T S., Varshini S., “Smart Glass 3.O”**, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
16. Chettiyar Vani Vivekanand., **Ram priya s.,Priyadharshini.S., Pavithra.V., Yarlapalli Swetha., “Analysis Of Modulation Schemes in Digital Communication Systems”**, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
17. Sesha Vidhya S., **Nikitha.R., Nandhini S., Nandhini E., Nivetha .V., “Plant Soil Moisture and PH Sensing Alarm using Microcontroller”**, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
18. Shanthi K G., **Amirah Lakshmi V R., Deepika S., Thangameenatchie R., “Smart Watch For Health Monitoring System”** Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
19. Inbamalar T M., **Aarthi R., Ezhilpriya K E., Jayashree S., Maaneesha S., “IOT Based Nephrolithiasis Detection Using CNN Classification Method”** Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
20. Rajalakshmi S., **Urmila P., Yagnamurthy Subbu Venkata Harichandana., Yagnavajjula Rishitha., “Speed Monitoring System For Vehicle Using Arduino”**, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
21. Chettiyar Vani Vivekanand., **Revathi.V., Punithamary.M., Priyadarsini.S., Tathiparthi Neha Reddy., “Polar Codes: Encoding And Decoding Of Symmetric Binary Discrete Memoryless Channel”**, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
22. Nithiya C.,**Aswini N., Lakshmi Priya S., Nivetha S., “Wireless Sensor Network (WSN) In Wireless Communication”** Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
23. Inbamalar T M., **Lokesh Ram A., Athul V G., Dhinakaran T., “IOT based low cost ECG Monitoring System”** Second International Conference on Innovations in Electronics

and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.

24. Manimegalai L., **Harish.R., K. Masthan Gowtham., Perim Ganesh.,** “**Eco Friendly Litter Management for Sustainable Environment**”, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
25. Sessa Vidhya S., **Priyanka A., Pavitra Kiruthika J., Sandhiya S Sahana S.,** “**Voice Controlled Wheelchair for Physically Disabled Person**”, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
26. Sessa Vidhya S., **Nivetha R., Nethra P., Ranjitha S., Reshma B.,** “**Development of easy operating systems for locomotor disability person through voice automated roof top horticulture mobile app**”, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
27. Chettiyar Vani Vivekanand., **Shalini N., Shanija S., Somu Akhileswari R., Sweatha B.,** “**Bit Error Estimation Using Monte Carlo Method**”, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022, organized by,R.M.K. College of Engineering and Technology on 24.11.2022 to 26.11.2022.
28. Sessa Vidhya S.,**Purushothaman.R., Nanda G., Navaneetha Krishnan., Muckesh K S.,** “**Design of Low Power Universal Shift Register**”, Second International Conference on Innovations in Electronics and Communication Systems ICIECS 2022,at R.M.K. College of Engineering and Technology,24.11.2022 to 26.11.2022.
29. Samuda Prathima., Sivachandar K., Praveena N G., Nithiya C.,**Kamalesh D., Lokesh C.,** “**Low-cost Prototype for IoT-based Smart Monitoringthrough Telegram**”, 5th International Conference On Smart Systems And Inventive Technology (ICSSIT2023), organized by,Francis Xavier Engineering College on 23.01.2023 to 25.01.2023.
30. Sessa Vidhya S., Shanthi K G., **Neeta G, Priyadharshini P, Pujasaini N and Reshmika D** “**Iris Recognition -A Multilayer Algorithm Based: CNN and Transfer Learning**”, IEEE 5th International Conference on Smart Systems and Inventive Technology, organized by,Francis Xavier Engineering College on 23.01.2023 to 25.01.2023.
31. Shanthi K G., Sessa Vidhya S., **Santhi S, Sai Dinesh P, Shashank Reddy P, Venkata Prasad M,**“**Handy Non-Invasive Blood Glucose Estimator using Arduino and NodeMCU**”, 2023 International Conference on Intelligent Data Communication Technologies and Internet of Things (IDCIoT), organized by,REVA University on 07.01.2023
32. Sessa Vidhya S.,Shanthi K G.,Sivalakshmi P., **Sohith Reddy V, Likith Varma V, Dileep Kumar V, Prasanth Reddy Y.,**“**Design of Wearable UWB Microstrip Patch Antenna**

for **Wireless Body Area Network**", AIP Conference Proceedings 2523, 020158 (2023), <https://doi.org/10.1063/5.0111136>

**Students Attended workshop/training /syposium /webinar**

1. **Lokesh Ram., Athul and Sai shravanthi S V.**, of III year participated in the National Level Technical Symposium **Paper presentation** ,at Rajalakshmi Engineering College, Chennai on 21.05.2022
2. **Kamalesh and Lokesh C.**, of III year participated in the National Level Technical Symposium **Paper Presentation** ,at Rajalakshmi Engineering College, Chennai on 21.05.2022
3. **Monisha S and Nivetha. S.**, of III year participated in the National Level Technical Symposium **Paper Presentation** ,at Srm Eswari Engineering College, Chennai on 28.05.2022
4. **Nivetha S.**, of III year participated in the **Math Aptitude Quiz** Technical Event, at RMK, Chennai on 15.07.2022
5. **Lakshmi Pranthi G., Chandhini M., Jayasree R., Ushashree M., Jeevana M V And Akshitha V.**, of IV year participated in the Workshop **"Internet Of Things"**,at Trios Technologies, Chennai on 26.08.2022
6. **Srinidhi S., Yashwini V., Urmila P., Srinidhi S., Yashwini V., Urmila P., Jemima Sharon E ., Mahalakshmi R ., Preethi S ., Romy Ann V R ., Jeevitha K., Lokesh C ., Gomathy G ., Kamalesh D., Dhanushiya E ., Aishwarya S ., Shrimathi D ., Sruthe K And Srinidhi G.**, of III year participated in the **National Level Technical Symposium** ,at Loyala Icam, Chennai on 08.10.2022.
7. **Kamalesh and Dinesh Kumar.**, of III year participated in the **National Level Technical Symposium** ,at RMK, Chennai on 05.11.2022 to 06.11.2022
8. **Hariharan., Yeshwanth V G., Srinath M., Aswin S., Devaraj P., Arthi R., Ezhil Priya K E., Jayashree S ., Murugappan P R ., Harikrishnan C M., Lokesh C., Kamalesh ., Maneesha ., Aswini N., Yogesh B ., Srinath M and Devaraj P.**, of III year participated in the **National Level Technical Symposium** ,at RMK, Chennai on 14.11.2022.
9. **Siddarth S and Sarvesh.**, of IV year participated in the **National Level Technical Symposium** ,at RMD, Chennai on 14.11.2022.

10. **Sandeep V and Aswini N.**, of III year participated in the **National Level Technical Symposium** ,at Saveetha Engineering college, Chennai on 18.11.2022 to 19.11.2022

11. **Abinaya G., Dhanalakshmi R and Sandhya B.**, Of II Year Participated In The **Workshop** ,at Codebind Technologies, Chennai On 20.01.2023

12 **Nivetha S., Harish S R., Karthikeeyan S., Karthik Sekar G., Mohammed Huzaifa M H., Jeswin Silvaan Y., Jones Benet and Jai Krishna K S.** Of II Year Participated in the **Symposium** ,at Easwari Engineering College, Chennai on 28.01.2023

13. **Hari Krishnan Cm., Lokesh C and Kamalesh D.**, Of III Year Participated in the **Symposium** ,at Easwari Engineering College, Chennai on 28.01.2023

14. **Aswini N., and Maneesha.**, Of III Year Participated in the **Symposium** ,at Easwari Engineering College, Chennai on 28.01.2023

15. **Dhanushiya E.**, Of III Year Participated in the **Symposium** ,at Simats School of Engineering, Chennai on 10.02.2023

16. **Abarna S.**, Of II Year Year Participated in the **Symposium** ,at Simats School of Engineering, Chennai on 10.02.2023

17. **Jayachandran J., Anirudh M., Jaisunjai S., Gokula Krishnan M and Tarun Santhosh Kk.**, Of II Year Year Participated in the **Symposium** ,at Easwari Engineering College, Chennai on 11.02.2023

18. **Koushigan P and Jayapriyan S** of II Year Year Participated in the **Symposium** ,at Rajalakshmi Engineering College, Chennai on 11.02.2023

19. **Gowtham S and Harikrishnan C M.**, of III Year Participated in the **Symposium** ,at Velammal Engineering College, Chennai on 25.02.2023

20. **Srisha V and Maneesha S** of III Year Participated in the **Symposium** ,at Panimalar Engineering Collge, Chennai on 18.03.2023

21 **Vasantha Krishnan S.**, of III Year Participated in the **Symposium** ,at Chennai Institute Of Technology, Chennai on 18.03.2023

22 **Srinath M., Yeshwanth V G and Yogesh B .**, of III Year Participated in the **Symposium** ,at Sri Venkateswara College Of Engineering, Chennai on 18.03.2023

