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3. Kumari,P. and Saxena,P. (2023). Automated Diabetic Retinopathy Grading Based on the Modified Capsule Network Architecture. *IETE Journal of Research*. 1-12.
4. Ujjaval Kerketta, Daniel,T.T. Yadav,V.K.S. and Roy ,P. Paily (2023). Room Temperature Hydrogen Gas Sensing using ZN₂TIO₄ Thin Film. *IEEE Sensors Letters*. 7(2). 1 – 4.
5. Prakash,D. and Gupta,N. (2023). CSRR Based Metamaterial Inspired Sensor for Liquid Concentration Detection Using Machine Learning. *Progress in Electromagnetics Research C*. 130. 255–267.
6. Raveesh,S., Yadav,V.K.S and Roy, Paily (2023). Microcantilever Printed CuO Single Nanowire Field-Effect Transistors for Sensing Applications. *IEEE Transactions on Nanotechnology*. 22. 184-189.
7. Kumar,P. Koley,K. Askari,S.S.A., Maurya,A. Kumar,S. (2023). Assessment of Negative Bias Temperature Instability Due to Interface and Oxide Trapped Charges in Gate-All-Around TFET Devices. *IEEE Transactions on Nanotechnology*. 22. 157-165.
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12. Mandal,H.N. and Sidhishwari,S. (2022). Theoretical Investigation of the Impact of Apodized Fiber Bragg Grating and Machine Learning Approaches in Quasi-Distributed Sensing. *Measurement Science and Technology*. 34(10). 105101.
13. Dubey,S.K. and Islam,A.. Information Storage and Processing Systems. *Microsystem technologies- Micro and Nanosystems*. 29(4). 515 – 525.
14. Sharma,D. Rai,A. Debbarma,S.Prakash,P., Ojha,M.K., Nath,V. (2023). Design and Optimization of 4-bit Array Multiplier with

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15. Reddy,T.S. K.A. Mohamed Junaid, Y. Sukhi, Y. Jeyashree, P. Kavitha, P.,Nath,V. (2023). Analysis and Design of Wind Energy Conversion with Storage System, e-Prime - Advances in Electrical Engineering, Electronics and Energy. 5. 1-11.100206.
 16. Tirkey,J., Dwivedi,S., Surshetty,S.K. Reddy,T.S. Kumar,M. and Nath,V. (2023). An Ultra Low Power CMOS Sigma Delta ADC Modulator for System-On-Chip (SoC) Micro-Electromechanical Systems (MEMS) Sensors for Aerospace Applications. International Journal of Microsystems and IoT.1. 26-34.
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 19. Avinash and Gupta,N. (2023). Low-Cost Electromagnetic Absorbers for Shield. IEEE Transactions on Components, Packaging and Manufacturing Technology. 13(3). 374-381.
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 24. Mandal,H.N. and Sidhishwari,S. (2023). Theoretical investigation of the impact of apodized fiber Bragg grating and machine learning approaches in quasi-distributed sensing Measurement Science and Technology. 34(10). 105101.
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Publications in Proceedings:

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2. Priyadarshi, R., Rana, H., Srivastava, A., Nath, V. (2023). A Novel Approach for Sink Route in Wireless Sensor Network. In: Nath, V., Mandal, J.K. (eds) Microelectronics, Communication Systems, Machine Learning and Internet of Things. Lecture Notes in Electrical Engineering, vol 887. Print ISBN978-981-19-1905-3, Online ISBN978-981-19-1906-0, Springer, Singapore. https://doi.org/10.1007/978-981-19-1906-0_58
3. Pandey, A., Kumar, D., Priyadarshi, R., Nath, V. (2023). Development of Smart Village for Better Lifestyle of Farmers by Crop and Health Monitoring System. In: Nath, V., Mandal, J.K. (eds) Microelectronics, Communication Systems, Machine Learning and Internet of Things. Lecture Notes in Electrical Engineering, vol 887. Print ISBN978-981-19-1905-3, Online ISBN978-981-19-1906-0, Springer, Singapore. https://doi.org/10.1007/978-981-19-1906-0_57
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7. Prasad, D., Anand, A., Sateesh, V.A., Surshetty, S.K., Nath, V. (2023). Accident Avoidance and Detection on Highways. In: Nath, V., Mandal, J.K. (eds) Microelectronics, Communication Systems, Machine Learning and Internet of Things. Lecture Notes in Electrical Engineering, vol 887. Print ISBN978-981-19-1905-3, Online ISBN978-981-19-1906-0, Springer, Singapore. https://doi.org/10.1007/978-981-19-1906-0_44
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 16. Kumar,R. and Kumar,S. (2023). HD/FD Cooperative NOMA under UAV Deployment for a Novel Disaster-Management Model. Electronics .12(3). 513.