



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

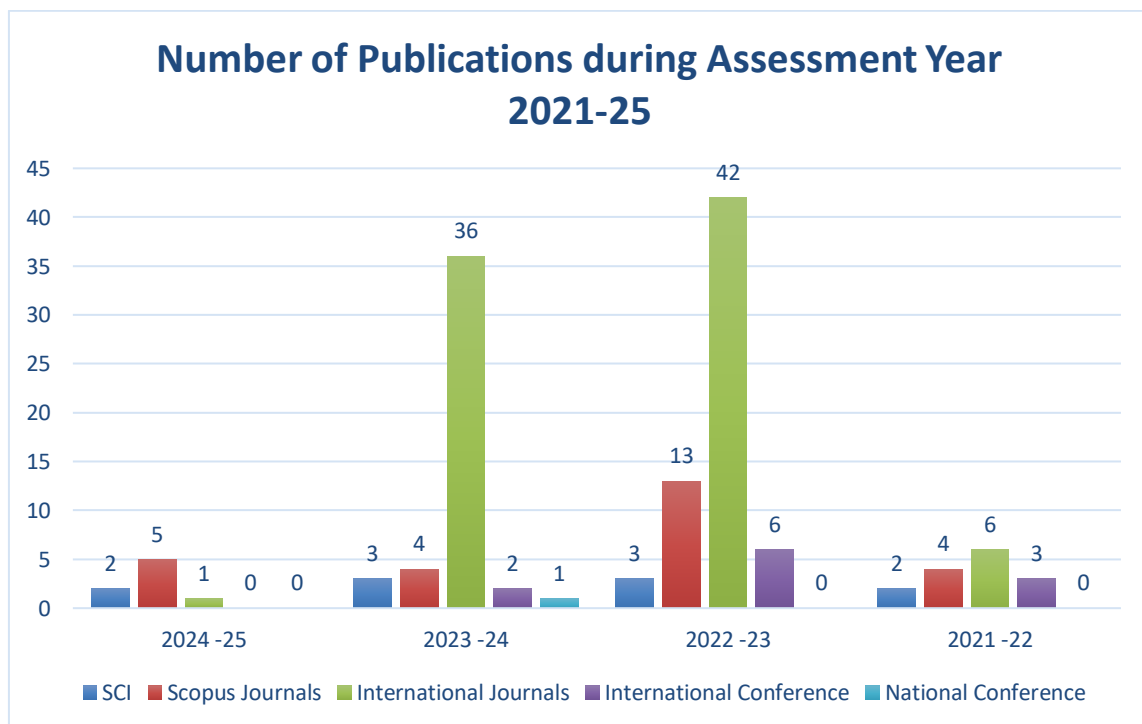
Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### Academic Research

#### Number of Publications during Assessment Year 2021-25

Year	SCI	Scopus Journals	International Journals	International Conference	National Conference	Total	No of Patents
2024 -25	02	05	01	-	-	08	-
2023 -24	03	04	36	02	01	45	7
2022 -23	03	13	42	06	-	64	3
2021 -22	02	04	06	03	-	15	16
<b>Total</b>	<b>10</b>	<b>26</b>	<b>85</b>	<b>11</b>	<b>01</b>	<b>132</b>	<b>26</b>



#### Number of Publications during Assessment Year 2021-25



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### List of Publication by faculty in SCI during Assessment Year 2021-25

Academic Years	No. of Papers in SCI Journals	Total number of publications
2024-25	02	10
2023-24	03	
2022-23	03	
2021-22	02	

### List of Papers through SCI Journals during the Academic Year 2024-25

Sl.No.	Title of the Paper	Source Name
1	Design of 4x4 NoC Architecture using Random Arbiter with Performance Improvement	Dr. R Manjunatha, Dr. N M Mahesh Gowda, Kumar N Krishnamurthy, Journal of Systems Engineering and Electronics, 2024, DOI:20.14118. 2024.V34I7.1823
2	Blind Assist System using Machine Learning and Image Processing	Dr. N M Mahesh Gowda, Dr. M J Anand, Kumar N Krishnamurthy, Journal of Systems Engineering and Electronics, Nov-2024, DOI:20.14118. 2024. V34I11.1984

### List of Papers through SCI Journals during the Academic Year 2023-24

Sl.No.	Title of the Paper	Source Name
1	Energy management of a dual battery energy storage system for electric vehicular application	A.S. Mahesh Kumar, M. Abdullah-Al-Wadud h, Computers and Electrical Engineering Volume 115, April 2024, <a href="https://doi.org/10.1016/j.compeleceng.2024.109099">https://doi.org/10.1016/j.compeleceng.2024.109099</a>
2	Short-Term Wind Speed and Power Forecasting for Smart City Power Grid with a Hybrid Machine Learning Framework	Wang Z, Wang L, Revanesh M, Huang C, Luo X. IEEE Internet of Things Journal, 2023, 10(21), pp. 18754–18765, doi: 10.1109/JIOT.2023.3286568.



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

3	Artificial neural networks-based improved Levenberg–Marquardt neural network for energy efficiency and anomaly detection in WSN	Revanesh M, Gundal, S.S., Arunkumar, J.R., Suhasini, S., Devi, T.K. Wireless Networks, 2023
---	---	---

### List of Papers through SCI Journals during the Academic Year 2022-23

Sl.No.	Title of the Paper	Source Name
1	Multi-data Multi-user End to End Encryption for Electronic Health Records Data Security in Cloud	B. S. Sahana Raj, Sridhar Venugopalachar, Wireless Personal Communications Volume-125, 2413–2441 (2022). <a href="https://doi.org/10.1007/s11277-022-09666-2">https://doi.org/10.1007/s11277-022-09666-2</a>
2	DAG block: Trust aware load balanced routing and lightweight authentication encryption in WSN	Revanesh M, Acken J.M, Sridhar V.Future Generation Computer Systems- The International Journal of E science, 2023, 140, pp. 402–421
3	An Optimized Question Classification Framework Using Dual-Channel Capsule Generative Adversarial Network and Atomic Orbital Search Algorithm	Revanesh M, Rudra B, Guddeti, R.M.R. IEEE Access, 2023, 11, pp. 75736–75747

### List of Papers through SCI Journals during the Academic Year 2021-22

Sl.No.	Title of the Paper	Source Name
1	Identity Based Cryptography Using Matrices	Sahana Raj B.S, Sridhar V, Wireless Personal Communications120, 1637–1657 (2021). <a href="https://doi.org/10.1007/s11277-021-08526-9">https://doi.org/10.1007/s11277-021-08526-9</a>
2	A trusted distributed routing scheme for wireless sensor networks using blockchain and meta-heuristics-based deep learning technique	M Revanesh, Venugopalachar Sridhar, Transactions on Emerging Telecommunications Technologies, 2021 <a href="https://doi.org/10.1002/ett.4259">https://doi.org/10.1002/ett.4259</a>



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### List of Publication by faculty in Scopus journal during Assessment Year 2021-25

Years	No. of Papers in Scopus Journals	Total number of publications
2024-2025	05	26
2023-2024	04	
2022-2023	13	
2021-2022	04	

### List of Papers through Scopus Journals during the Academic Year 2024-25

Sl.No.	Title of the Paper	Source Name
1	Design of 4x4 NoC Architecture using Random Arbiter with Performance Improvement	Dr. R Manjunatha, Dr. N M Mahesh Gowda, Kumar N Krishnamurthy, Journal of Systems Engineering and Electronics, 2024, DOI:20.14118.jsee.2024.V34I7.1823
2	Blind Assist System using Machine Learning and Image Processing	Dr. N M Mahesh Gowda, Dr. M J Anand, Kumar N Krishnamurthy, Journal of Systems Engineering and Electronics, Nov-2024, DOI:20.14118.jsee.2024.V34I11.1984
3	Automated Application Deployment using Kubernetes in Cloud	Jayasimha S R, Divakar H R, M J Anand, Library Progress International Vol.44 No.3, Jul-Dec 2024: P.3443-3450
4	Performance Analysis of Indigenous oil as Alternate to Transformer Insulation for Power System Applications	Dr. D M Srinivasa, Dr. N M Mahesh Gowda, Dr. M J Anand and Kumar N Krishnamurthy, Computer Research and Development, ISSN: 1000-1239, Vol. 24, Issue: 11, pp. 8-16, Nov-2024
5	AI Based Energy Conservation Security System	Dr. M J Anand, Dr. N M Mahesh Gowda, Kumar N Krishnamurthy, Journal of Technology, Oct-2024, DOI:18.15001/JOT.2024/V12I10.24.877



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### List of Papers through Scopus Journals during the Academic Year 2023-24

Sl.No.	Title of the Paper	Source Name
1	Short-Term Wind Speed and Power Forecasting for Smart City Power Grid with a Hybrid Machine Learning Framework	Wang Z, Wang L, Revanesh M, Huang C., Luo X. IEEE Internet of Things Journal , 2023, 10(21), pp. 18754–18765, doi: 10.1109/JIOT.2023.3286568.
2	Artificial neural networks-based improved Levenberg–Marquardt neural network for energy efficiency and anomaly detection in WSN	Revanesh M, Gundal S.S, Arunkumar, J.R., Suhasini S., Devi T.K. Wireless Networks, 2023
3	Energy management of a dual battery energy storage system for electric vehicular application	A.S. Mahesh Kumar, M. Abdullah-Al-Wadud h, Computers and Electrical Engineering Volume 115, April 2024, <a href="https://doi.org/10.1016/j.compeleceng.2024.109099">https://doi.org/10.1016/j.compeleceng.2024.109099</a>
4	Securing Unmanned IoT Devices with Two factor Fuzzy Commitment: A Robust Approach	A.S. Mahesh Kumar, P. Tamil Selvi V. Poornima B, Journal of Environmental Protection and Ecology 25, No 4, 1003–1013 (2024)

### List of Papers through Scopus Journals during the Academic Year 2022-23

Sl.No.	Title of the Paper	Source Name
1	Multi-data Multi-user End to End Encryption for Electronic Health Records Data Security in Cloud	B. S. Sahana Raj, Sridhar Venugopalachar, Wireless Personal Communications Volume-125, 2413–2441 (2022). <a href="https://doi.org/10.1007/s11277-022-09666-2">https://doi.org/10.1007/s11277-022-09666-2</a>
2	Dynamic User Activity Prediction using Contextual Service Matching Mechanism	M. Subramanyam, S. S. Parthasarathy, International Journal of Advanced Computer Science and Applications, Vol. 13, No. 3, 2022.
3	A novel multimodal hand database for biometric authentication	Bharath M. R. and K. A. Radhakrishna Rao International Journal of Advanced Technology and Engineering Exploration, Vol 9(86) ISSN (Print): 2394-5443 ISSN (Online): 2394-7454 <a href="http://dx.doi.org/10.19101/IJATEE.2021.874525">http://dx.doi.org/10.19101/IJATEE.2021.874525</a>



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

4	DAG block: Trust aware load balanced routing and lightweight authentication encryption in WSN	Revanesh M, Acken J.M, Sridhar V. Future Generation Computer Systems- The International Journal of E science, 2023, 140, pp. 402–421
5	Deep learning-based algorithm for optimum cluster head selection in sustainable wireless communication system	Revanesh M, Mary, Gnaneswari, G.Kanimozhi, K.V, Kamalam G.K, Neural Computing and Applications, 2023
6	An Optimized Question Classification Framework Using Dual-Channel Capsule Generative Adversarial Network and Atomic Orbital Search Algorithm	Revanesh M, Rudra B, Guddeti, R.M.R. IEEE Access, 2023, 11, pp. 75736–75747
7	Energy Auditing and Broken Path Identification for Routing in Large-Scale Mobile Networks Using Machine Learning	Venu N, Revanesh M, Supriya M, Isaac, L.D., Ferede, A.W. Wireless Communications and Mobile Computing, 2022, <a href="https://doi.org/10.1155/2022/9418172">https://doi.org/10.1155/2022/9418172</a>
8	Optimal Selection of Materials for High Performance of Carbon-Aerogel Supercapacitors	BiniBabu, H. Sathish Kumar, R. Manjunatha, S. S. Parthasarathy, AIP Conference Proceedings Volume-2421, 050003 (2022) <a href="https://doi.org/10.1063/5.0076862">https://doi.org/10.1063/5.0076862</a>
9	Application of Fine Decision Tree Machine Learning Algorithm to Predict the Subclinical Mastitis in Cow Milk Using Prototype E-nose	M. J. Anand, V. Sridhar and Ramasamy Ravi, Emerging Research in Computing, Information, Communication and Application, volume 790, pp 695–702, <a href="https://doi.org/10.1007/978-981-16-1342-5_53">https://doi.org/10.1007/978-981-16-1342-5_53</a>
10	Hierarchical Block Chain-Based Authentication Management Scheme for IoT Devices	M. Revanesh, V. Sridhar Emerging Research in Computing, Information, Communication and Applications, 2022, Volume-790 ISBN: 978-981-16-1341-8, <a href="https://doi.org/10.1007/978-981-16-1342-5_41">https://doi.org/10.1007/978-981-16-1342-5_41</a>



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

11	Efficiently Revocable Identity-Based Broadcast Encryption Using Integer Matrices as Keys	Sahana Raj, B.S, Sridhar V. Emerging Research in Computing, Information, Communication and Applications. Lecture Notes in Electrical Engineering, vol 789. Springer, Singapore. <a href="https://doi.org/10.1007/978-981-16-1338-8_38">https://doi.org/10.1007/978-981-16-1338-8_38</a>
12	Detection and Classification of Epilepsy Disease using Deep Learning Techniques applied to MR Images	Vinay Kumar H S and H S Sheshadri, International Journal on Electrical Engineering and Informatics - Volume 15, Number 2, June 2023
13	Epilepsy detection and classification based on the contour maps of brain MR images	H.S. Vinay Kumar, International Journal of Medical Engineering and Informatics, DOI:10.1504/IJMEI.2022.10050095

### List of Papers through Scopus Journals during the Academic Year 2021-22

Sl. No.	Title of the Paper	Source Name
1	Identity Based Cryptography Using Matrices	Sahana Raj B.S, Sridhar V. Wireless Personal Communications 120, 1637–1657 (2021). <a href="https://doi.org/10.1007/s11277-021-08526-9">https://doi.org/10.1007/s11277-021-08526-9</a>
2	A trusted distributed routing scheme for wireless sensor networks using blockchain and meta-heuristics-based deep learning technique	M Revanesh, Venugopalachar Sridhar, Transactions on Emerging Telecommunications Technologies, 2021 <a href="https://doi.org/10.1002/ett.4259">https://doi.org/10.1002/ett.4259</a>
3	Residual energy-aware clustering transformation for LEACH protocol	P. Ullas, Dr K S Shivaprakasha, Journal of Telecommunications and Information Technology 2(2021):31-37
4	BS6 Violation Monitoring Based on Exhaust Characteristics Using IoT	B. S. Pavithra, K. A. Radhakrishna Rao Intelligent Data Communication Technologies and Internet of Things, 2021, Lecture Notes on Data Engineering and Communication Technologies, Volume 57, ISBN : 978-981-15-9508-0



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

---

### List of Papers Published in International Journals journal during Assessment Year 2021-25

Year	International Journals
2024 -25	01
2023 -24	36
2022 -23	42
2021 -22	06
<b>Total</b>	<b>85</b>

### List of Papers Published in International journals during the Academic Year 2024-25

Sl. No.	Author Name	Title of the Paper	Journals Name/Volume/Year
1	Dr. Anand M J	Iot -Enabled Underground Cable Fault Detection System: Real-Time Monitoring and Localization	International Journal of Research and Analytical Reviews (IJRAR), May 2024, Volume 11, Issue 2(E-ISSN 2348-1269, P- ISSN 2349-5138)





People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### List of Papers Published in International journals during the Academic Year 2023-24

Sl. No.	Author Name	Title of the Paper	Journal Name/Volume/Year
1	Dr. Punith Kumar M.B	Smart Solutions for Alzheimer's: Enhancing Patient Care with Embedded Systems and IoT Connectivity	International Advanced Research Journal in Science, Engineering and Technology (IARJSET) Vol. 11, Issue 5, May 2024, ISSN (O) 2393-8021, pp. 330-339.
		Real time machine learning based pest detection and pesticides sprayer with IoT based security	International Journal Trendy Research in Engineering and Technology, Volume 8 Proceedings of NCCDS-24, ISSN NO 2582-0958.
		Advanced Crop Protection: Machine Learning for Pest Detection and IoT Security	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 4, April 2024, DOI:10.17148/IARJSET.2024.11473
		Smart Pest Detection and Pesticide Sprayer with Machine Learning and IoT Enhanced Security	International Advanced Research Journal in Science, Engineering and Technology. DOI: 10.17148/IARJSET.2024.11561
		Revolutionizing Alzheimer's Care: Integrating Embedded Systems And Iot For Enhanced Patient Monitoring And Engagement	International Journal Trendy Research in Engineering and Technology (IJTRET) Volume 8 Proceedings of NCCDS-24, ISSN (O) 2582-0958, pp. 79-85.
2	Dr. Mahesh	VLSI implementation of bio-inspired elementary motion detector	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305482



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

3	Dr. B S Nanda	LCD Screen Display Used In Metro	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305446
		IOT based Paralysis Patient Health Care System	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305444
4	Vinay Kumar H S	Smart shopping trolley with automated billing using arduino	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305443
		Face recognition-based metro pass authentication	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305467
5	K C Santhosh Babu	Design and Implementation Of 32-bit Vedic Multiplier	International Journal of Trendy Research in Engineering and Technology Volume 8 Proceedings of NCCDS-24
6	Kumar N Krishna Murthy	Household energy monitoring system	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024
		IoT based smart shoe for a visually impaired people	International Journal Trendy Research in Engineering and Technology, Volume 8 Proceedings of NCCDS-24, ISSN NO 2582-0958.
7	Niveditha V K	Indoor navigation system using radio wave RTT triangulation algorithm	International Advanced Research Journal in Science, Engineering and Technology, Volume 11, Issue 5, May 2024 DOI: 10.17148/IARJSET.2024.11587
8	Spoorthy M R	Integrated Piezoelectric Energy Harvesting: Automating Toll Collection And Highway Street Lights	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024
9	Yashwanth B	IOT Based Smart Weighing System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 5, May 2024, DOI:10.17148/IARJSET.2024.11522



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

10	Janardhan S Y	Wireless charging for moving electric vehicle	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305463
11	Minugu B	Fault prediction in fan using machine learning	International Journal of Innovative research in computer and communication Engineering (IJIRCCE), Vol. 12, Issue 5, April 2024, DOI: 10.15680/IJIRCCE.2024.1205284
12	Chaitra K	IRIS control robot	International Journal Of Multidisciplinary Research In Science, Engineering and Technology (IJMRSET), Volume 7, Issue 5, May 2024, DOI:10.15680/IJMRSET.2024.0705129
13	Dr. Revanesh M	CAN based vehicle monitoring system	International Advanced Research Journal in Science, Engineering and Technology Peer-reviewed, Impact Factor 8.066 & Vol. 11, Issue 5, May 2024, Refereed journal DOI: 10.17148/IARJSET.2024.11569
14	Dr. Sahana Raj B S	Advancing safety standards with real time embedded smart jacket	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 5, April 2024, DOI: 10.17148/IARJSET.2024.11565.
		Blind assist system using AI and image processing	International Advanced Research Journal in Science, Engineering and Technology Peer-reviewed, Impact Factor 8.066 & Vol. 11, Issue 5, May 2024, Refereed journal DOI: 10.17148/IARJSET.2024.11568
15	Ashraya A N	Indigenous automatic shuttling metro train between stations	International Journal of innovative research in science, engineering and technology (IJIRSET) Volume 13, Issue 5 May 2024
16	Vidyashree B P	Microwave based wall scanner for terrorist hideout detection with Wi-Fi controlled robot	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024
17	Dr. R. Manjunatha	Hand gesture recognition for specially abled	International Journal of Innovative Research in Computer and Communication Engineering Volume 12, Issue 7, July 2024, DOI: 10.15680/IJIRCCE.2024.1207016
		Chaotic Code Division Multiple Access	International Journal of Scientific Research in Engineering and Management (IJSREM)



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

18	M Subramanyam	Human Activities Recognition Prediction using Deep Neural Network	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305486
		Ambient intelligent framework for modelling critical medical events based on context awareness	International Journal of Electrical and Computer Engineering (IJECE) Vol. 14, No. 3, June 2024, pp. 3106~3115 ISSN: 20888708, DOI:10.11591/ijece. v14i3. pp3106-3115
		Modelling and Performance Analysis of Activity Based Context Aware System	International Advanced Research Journal in Science, Engineering and Technology, Vol. 11, Issue 5, May 2024, DOI:10.17148/IARJSET.2024.11522
19	Dr. Radhika M N	Wireless Auto-Dimming for sustainable driving	International Journal of Innovative research in computer and communication Engineering (IJIRCCE), Vol. 12, Issue 5, April 2024, DOI:10.15680/IJIRCCE.2024.1205284.
		IMM Filtering Algorithms for a Highly Maneuvering Fighter Aircraft: An Overview	Algorithms 2024, 17, 399. <a href="https://doi.org/10.3390/a17090399">https://doi.org/10.3390/a17090399</a>
20	Dimple R	Real time object detection for traffic analysis using YOLO	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024, DOI:10.15680/IJIRSET.2024.1305486
21	Sushma M P	AI based fruit sorting robot based on ripeness using raspberry pi	International Advanced Research Journal in Science, Engineering and Technology, A monthly Peer-reviewed / refereed journal
22	Sweetha S K	Vehicle to vehicle communication using Wi-Fi technology	International Research Journal of Modernization in Engineering Technology and Science
23	Noor Ayesha	Forest fire detection, monitoring and prediction	International Journal of Innovative research in science, engineering and technology (IJIRSET), Volume 13, Issue 5, May 2024,
24	Kavyashree J	The power of proximity device to device computing	International Advanced Research Journal in Science, Engineering and Technology.



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### List of Papers Published in International journals during the Academic Year 2022-23

Sl. No.	Author Name	Title of the Paper	Journal Name/Volume/Year
1	Dr. Punith Kumar M B	Cotton Plant disease detection using Image Processing and Deep learning techniques: A Survey	International Conference on Electronics and Telecommunication for Real Time Applications (IETRTA 2022), ISBN No:978-93-5620-485-0 25th & 26th August 2022.
		Comparative Research of Neuron Circuits	International Journal for Research in Applied Science & Engineering Technology (IJRASET) ISSN: 2321-9653; IC Value: 45.98; SJ Impact Factor: 7.538 Volume 10 Issue VII, July 2022
		Smart Agriculture Marketing System	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 07 Issue: 07   July - 2023 SJIF Rating: 8.176 ISSN: 2582-3930
		Technological Transformations: Harnessing Information Technology for Food Waste Management	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023, e-ISSN: 2582-5208
		Verification of Advanced Peripheral Bus Protocol (APB V2.0)	International Research Journal of Engineering and Technology (IRJET), Volume: 08 Issue: 06 , June 2022
2	Dr. N M Mahesh Gowda	Efficiency of DC-DC Switching Power Converter in CCM and SDCM of Operation	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE), Impact Factor: 8.18 Volume 12, Issue 1, January 2023, DOI:10.15662/IJAREEIE.2022.1201008
		Sugarcane Disease Recognition Using Deep Learning	International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
		Medication Of Genes Using DNA Sequence with Machine Learning	International Journal of Science, Engineering and Technology
3	S. Jyothi	Enhancing border security with IOT and Machine Learning	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023 e-ISSN: 2582-5208



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

		Authenticated Virtual Monitoring of Animal Species	International Advanced Research Journal in Science, Engineering and Technology ISO 3297:2007, Vol. 10, Issue 6, June 2023
4	Dr. B.S Nanda	Remote Billing Of Energy Meter And Power Theft Detection	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023, e-ISSN: 2582-5208
		Air Gesture Keyboard for Visually Impaired Person using Machine Learning Approach	Journal of Emerging Technologies and Innovative Research (JETIR), 2023 JETIR June 2023, Volume 10, Issue 6
5	Kumar.N. Krishna Murthy	Fire Fighting Robotics	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 12, Issue 7, July 2023
6	Dr. R.Manjunatha	IOT Based Fire Detection and Prevention System in Farmland	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023
		Design and implementation of child rescue system in open borewell using IOT	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/June-2023, e-ISSN: 2582-5208
7	Dr Sahana Raj B S	Review on Semi-Autonomous Vehicle for Safe Commute	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 07 Issue: 07   July - 2023 SJIF Rating: 8.176 ISSN: 2582-3930
		A survey on smart crop protection system during harsh climatic conditions	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 07 Issue: 07   July - 2023
8	Vinay Kumar. H.S	RBF Neural Network Based Smart Voting System	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023 e-ISSN: 2582-5208
		Detection and Classification of Epilepsy Disease using Deep Learning	International Journal on Electrical Engineering and Informatics



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

		Techniques applied to MR Images	
		Epilepsy detection and classification based on the contour maps of brain MR images	Int. J. Medical Engineering and Informatics, DOI: 10.1504/IJMEI.2022.10050095
		Smart Helmet for Accident Detection Using Arduino	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023
9	Ashraya A N	Automatic Medical Dispatcher with Dynamic Telemonitoring System Using Iot in Rural Areas	International Journal of Scientific Research in Engineering and Management (IJSREM) Volume: 07 Issue: 07   July – 2023
		Intelligent Robot for Hazardous Gas detection	International Journal of Advances in Engineering and Management (IJAEM) Volume 5, Issue 7 July 2023, pp: 226-230 www.ijaem.net ISSN: 2395-5252
10	Nischitha K	Authenticated E-DOC Using Live Location	International Journal of Scientific Research in Engineering and Management (IJSREM), Volume: 07 Issue: 06, June-2023
		Close Buy: A Location-Based Mobile Application for Easy and Efficient Product Search and Purchase	Journal of Emerging Technologies and Innovative Research (JETIR), Volume 10, Issue 6, June 2023
		Aquatic Remote Operator	International Research Journal of Engineering and Technology (IRJET), Volume: 10 Issue: 03, Mar 2023
11	Kusuma. H. R	Stress Detection in IT Professionals Using Image Processing and Machine Learning	International Journal of Advances in Engineering and Management (IJAEM) Volume 5, Issue 7 July 2023, pp: 255-259 www.ijaem.net ISSN: 2395-5252
12	Mahesh Kumar A S	Performance analysis of Rheumatoid Arthritis using Convolutional Neural Networks	Neuro Quantology, September 2022, Volume 20 Issue 9 pp 2817-2826 doi: 10.14704/nq.2022.20.9.NQ44328
13	K.C. Santhosh Babu	10/100 Mbps Ethernet MAC FIFO Controller	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 12, Issue 7, July 2023



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

14	Meghana S	Developing an Application for Identification of Missing Children and Criminals Using Face Recognition.	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 12, Issue 6, June 2023
		Design and Development of an Online College Portal for Effective Information Management	International Journal of Advanced Research in Computer and Communication Engineering, Vol. 12, Issue 6, June 2023
15	Yashwanth B	Power Generation at Highways Using Vertical Windmill and Efficient Solar System	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023 e-ISSN: 2582-5208
		IOT Enabled Shipping Container with Location Tracking and Environment Monitoring	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023 e-ISSN: 2582-5208
16	Vidyashree B P	Verification And Validation of Degree Certificate Using Block Chain	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:05/May-2023
		Automatic Exam Seating Arrangement System	International Research Journal of Modernization in Engineering Technology and Science Volume:05/Issue:07/July-2023 e-ISSN: 2582-5208
17	Sushma P. S	Cloud Based Smart Dustbin System for Metro Station	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023
		Smart Solar Powered EV Charging Station	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023
18	Niveditha V K	Medical Assistance Robotic Vehicle	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET) Volume 12, Issue 7, July 2023





People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

19	Sushma M P	3F Authentication for document Repository	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023
20	Spoorthi M R	Design and Implementation of Arduino Based Dual Axis Solar Tracking Device	International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), Volume 12, Issue 6, June 2023
21	ShreeLakshmi C S	Resume Screening Rating and Recommending Skills Using Nlp	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023
22	Chaithra K	IOT Based Green House Monitoring and Automation Using Multiple Sensors	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:07/July-2023, e-ISSN: 2582-5208
23	Dimple R	Iot Based Smart Traffic Signal Monitoring System Using Vehicle Density	International Research Journal of Modernization in Engineering Technology and Science, Volume:05/Issue:06/June-2023, e-ISSN: 2582-5208
24	Kavyashree J	A Safety and Security Android Based Application For Women	International Journal Of Scientific Research In Engineering And Management (Ijsrem) Volume: 07 Issue: 07   July – 2023

### List of Papers Published in International journals during the Academic Year 2021–22

Sl. No.	Author Name	Title of the Paper	Journal Name/Volume/Year
1	Dr. M J Anand	Review OF Mems Pressure Sensor	International Journal of Scientific Research in Engineering and Management (IJSREM), March 2021, ISBN 2582-3930, Vol 5, Issue 3.
		Verification of Dual Port RAM using System Verilog and UVM: A Review	International Journal for Research in Applied Science & Engineering Technology (IJRASET), March 2021, ISBN 2321-9653, pp.1292-1295, Vol 9, Issue III.



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

		Verification of Dual Port RAM using System Verilog and UVM	International Journal for Research in Applied Science & Engineering Technology (IJRASET), March 2021, ISBN 2321-9653, pp.1292-1295, Vol 9, Issue VI.
		Comparative Study on Mechanical Throughput of Mems Based Capacitive Pressure Sensor	International Journal of Research and Analytical Reviews
		Comparative Study on Mechanical Throughput of Mems Based Capacitive Pressure Sensor	International Journal for Research in Applied Science & Engineering Technology (IJRASET), March 2021, ISBN 2321-9653, pp.1292-1295, Vol 11, Issue 7.
2	Dr. N M Mahesh Gowda	Attainment of Efficiency in Bidirectional DC-DC Switching Power Converter with SDCM and CCM of Operation	Journal of Huazhong University of Science and Technology, March 2021, PP.1671 – 4512

### List of Papers Published in International Conferences during Assessment Year 2021-25

Year	International Conference
2024-25	--
2023-24	02
2022 -23	06
2021 -22	03
Total	11



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

### List of Papers Published in International Conference during the Academic Year 2023-24

Sl. No.	Author Name	Title of the Paper	Conference Name/Volume/Year
1	M Subramanyam	Human activity detection for surveillance	15 <sup>th</sup> International Conferences on recent engineering & technology
		Modelling and Performance Analysis of Activity Based Context Aware System	15 <sup>th</sup> International Conferences on recent engineering & technology

### List of Papers Published in International Conference during the Academic Year 2022-23

Sl. No.	Author Name	Title of the Paper	Conference Name/Volume/Year
1	Dr. R Manjunatha	Optimal Selection of Materials for High Performance of Carbon-Aerogel Supercapacitors	2nd International Conference on Advanced Research in Mechanical Engineering (2nd ICARME – 22)
2	Dr. B S Nanda	Modeling and simulation of graphene field effect transistor (GFET)	Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT) 2022
3	Dr. B S Sahana Raj B S	Traitor Tracing in Broadcast Encryption using Vector Keys	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)
		A Survey on Healthcare Standards and Security Requirements for Electronic Health Records	Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology-2022



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

## Department of Electronics and Communication Engineering

4	Vinay Kumar H S	Cortical Thickness Analysis in the Cipher Domain for Epilepsy Status Determination	2023 International Conference on Network, Multimedia and Information Technology (NMITCON)
		Compact Optimal Representation of Cortical GyrusSulcus profile and subsequent Analysis for Epilepsy Severity and Forewarning	2022 IEEE 2nd Mysore Sub Section International Conference (MysuruCon)

### List of Papers Published in International Conference during the Academic Year 2021-22

Sl. No.	Author Name	Title of the Paper	Conference Name/Volume/Year
1	Mahesh Kumar A S	Performance Analysis of CNN and Quantized CNN Model for Rheumatoid Arthritis Identification Using Thermal Image	Recent Trends in Image Processing and Pattern Recognition. RTIP2R 2022. Communications in Computer and Information Science, vol 1704. Springer, Cham. <a href="https://doi.org/10.1007/978-3-031-23599-3_10">https://doi.org/10.1007/978-3-031-23599-3_10</a>
		Machine Learning-based Alzheimer's Disease Prediction using Personalized Methods	Proceedings of the Third International Conference on Smart Electronics and Communication (ICOSEC 2022), IEEE Xplore Part Number: CFP22V90-ART; ISBN: 978-1-6654-9764-0
		Detection of Rheumatoid Arthritis Using a Convolutional Neural Network	International Conference on Innovative Computing and Communications, Advances in Intelligent Systems and Computing 1387, <a href="https://doi.org/10.1007/978-981-16-2594-7_50">https://doi.org/10.1007/978-981-16-2594-7_50</a>



People's Education Trust (R)

# P.E.S. College of Engineering, Mandya

Estd. In the year 1962, Autonomous Institution, Aided by the Government of Karnataka,  
Affiliated to Visvesvaraya Technological University, Belagavi, Approved by AICTE, New Delhi.

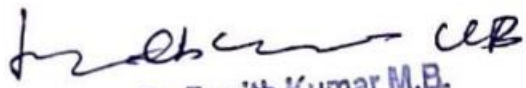
## Department of Electronics and Communication Engineering

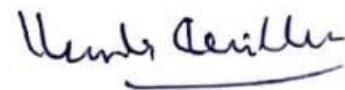
### List of Papers Published in National Conferences during Assessment Year 2021-25

Year	National Conference
2023 -24	01
2022 -23	--
2021 -22	--
Total	01

### List of Papers Published in National Conferences during the Academic Year 2023-24

Sl. No.	Author Name	Title of the Paper	Conference Name/Volume/Year
1.	Dr. Punith Kumar M B	Revolutionizing Alzheimer's Care: Integrating Embedded Systems and Iot for Enhanced Patient Monitoring and Engagement	Fourth national conference on communication & Data science (NCCDS-2024)

  
Dr. Punith Kumar M.B.  
Professor & HOD  
Department of E and C Engineering  
P.E.S. College of Engineering  
Mandya - 571 401

  
Principal  
PES College of Engineering  
MANDYA- 571 401