

## Dr. P. NAVEEN, Ph.D.

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**Naveen P.** Received a B.E. in Electronics and Communication Engineering from Arulmigu Kalasalingam College of Engineering in 2009. He obtained an M.E. in Power Electronics and Drives from Sri Sivasubramaniya Nadar College of Engineering in 2011. In 2022, he completed his Ph.D. in the field of Image Processing from Kalasalingam Academy of Research and Education. School Topper and Rank Holder in 10th and 12th through State Board, passed out in 2003 and 2005, respectively. He has about 12 years of teaching experience at various levels and is currently holding the responsibility of Coordinator - **Sponsored Research** in the Centre for Research and Development, as well as the position of Assistant Professor in the Department of Electrical and Electronics Engineering at KPR Institute of Engineering and Technology, Coimbatore, India. He is also **Visiting Researcher** at **University of Hradec Králové, Czech Republic**.

Prior to joining KPR Institute of Engineering and Technology, he was associated as NIRF Co-ordinator at Sri Eshwar College of Engineering for 2 years and also served as **Assistant Director - Accreditation and Ranking** at Kalasalingam Academy of Research and Education. His research interests include **Image Processing and Machine Learning**. He received the best faculty award from Kalasalingam Academy of Research and Education in the year 2019. He has published around 25 papers in International Journals and International Conferences. He also published 4 patents. He is presently an **Associate Editor** in the Journal of Intelligent and Fuzzy Systems. He currently serves as an Editorial Board member for the International Journal of Interactive Multimedia and Artificial Intelligence and Journal of Current Science and Technology. He has also been serving as a review board member for peer-reviewed journals. In addition to his regular academic activities, he has played a vital role in various Accreditation processes (ABET, NBA, NAAC, UGC, AICTE), Ranking activities (NIRF, THE World University Rankings), Placement Activities (Placement Coordinator), examination cell duties (Valuation Centre in-charge), and Institution admission procedures (Overall Admission Coordinator). He has reviewed 250+ articles for reputable journals and conferences. Additionally, he has completed more than 21 Professional Certifications from various platforms such as NPTEL, Coursera, HP, and IEEE. He is a certified translator for online courses organized by NPTEL (National Programme on Technology Enhanced Learning), is a joint venture of the **IITs and IISc**.

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### Academic Summary

Professional Certification	<b>21</b>	Articles published in Journals	<b>20</b>
Patent Published (INDIA)	<b>04</b>	Associate Editor	<b>01</b>
Editorial Board Member	<b>02</b>	Events Organized	<b>07</b>
Articles Reviewed (Ref.: WoS)	<b>71</b>	Faculty Development Program Attended	<b>17</b>
Papers Presented in Conferences	<b>22</b>	Students Supervised	<b>16</b>
Administrative Roles	<b>20</b>	Workshop and Seminar Attended	<b>25</b>
Translator for IIT online courses	<b>04</b>		

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### **Selected Publications:**

1. **Naveen, P.** Occlusion-aware facial expression recognition: A deep learning approach. *Multimedia Tools and Applications* (2023). <https://doi.org/10.1007/s11042-023-17013-1> [**Science Citation Index Expanded, Impact factor: 3.6**]
2. **Naveen, P.,** Sivakumar, P. Adaptive morphological and bilateral filtering with ensemble convolutional neural network for pose-invariant face recognition. *Journal of Ambient Intelligence and Humanized Computing*. 12, 10023–10033 (2021). <https://doi.org/10.1007/s12652-020-02753-x> [**Science Citation Index Expanded, Impact factor: 3.662**]
3. **Naveen, P.,** Sivakumar, P. (2021) A deep convolution neural network for facial expression recognition. *Journal of Current Science and Technology*, 11 (3), 402-410. <https://doi.org/10.14456/jcst.2021.40> [**Scopus Indexed**]
4. **Naveen, P.,** Sivakumar, P., "Human Emotions Detection using Kernel Nonlinear Collaborative Discriminant Regression Classifier: Human Emotions Detection using KNCDRC," 2021 2nd International Conference on Smart Electronics and Communication (ICOSEC), 2021, pp. 1807-1812, doi: 10.1109/ICOSEC51865.2021.9591878. [**Scopus Indexed**]
5. Partha Sarathi Subudhi, M. Thilagaraj, C. S. Sundar Ganesh, S. Diwakaran, **P. Naveen,** Saravanakumar Gurusamy, M. Pallikonda Rajasekaran, "Current-Fed Bidirectional DC-DC Converter Topology for Wireless Charging System Electrical Vehicle Applications", *Wireless Communications and Mobile Computing*, vol. 2021, Article ID 1144453, 15 pages, 2021. <https://doi.org/10.1155/2021/1144453> [**Science Citation Index Expanded, Impact factor: 2.336**]
6. M. Thilagaraj, B. Dwarakanath, V. Pandimurugan, **P. Naveen,** M. S. Hema, S. Hariharasitaraman, N. Arunkumar, Petchinathan Govindan, "A Novel Intelligent Hybrid Optimized Analytics and Streaming Engine for Medical Big Data", *Computational and Mathematical Methods in Medicine*, vol. 2022, Article ID 7120983, 11 pages, 2022. <https://doi.org/10.1155/2022/7120983> [**Science Citation Index Expanded, Impact factor: 2.238**]
7. **Naveen, P.,** Pothiraj, S. (2021). Smart parking assistance using IoT. *3C Tecnología. Glosas de innovación aplicadas a la pyme, Edición Especial*, (November, 2021), 355-369. <https://doi.org/10.17993/3ctecno.2021.specialissue8.355-369> [**Emerging Sources Citation Index (Web of Science)**]
8. **Naveen, P.,** Adapala, R., Sreekanth, A., y Rakesh, B. (2021). Automatic watering system using Arduino. *3C Tecnología. Glosas de innovación aplicadas a la pyme, Edición Especial*, (November, 2021), 33-39. <https://doi.org/10.17993/3ctecno.2021.specialissue8.33-39> [**Emerging Sources Citation Index (Web of Science)**]
9. **P. Naveen,** S. NithyaSai and B. Nataraj, "Implementation of Extreme Learning Machine and Software as a Service for Recognition of Tamil Handwritten words," 2023 Third International Conference on Secure Cyber Computing and Communication (ICSCCC), Jalandhar, India, 2023, pp. 234-239, doi: 10.1109/ICSCCC58608.2023.10176512. [**Scopus Indexed**]

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### **Professional Link**

Orcid	: <a href="https://orcid.org/0000-0002-5202-2557">https://orcid.org/0000-0002-5202-2557</a>
WoS Researcher ID	: <a href="https://www.webofscience.com/wos/author/record/ABF-6323-2020">https://www.webofscience.com/wos/author/record/ABF-6323-2020</a>
Scopus	: <a href="https://www.scopus.com/authid/detail.uri?authorId=57225850005">https://www.scopus.com/authid/detail.uri?authorId=57225850005</a>
Google Scholar	: <a href="https://scholar.google.com/citations?user=5NzwtqQAAA&amp;hl=en">https://scholar.google.com/citations?user=5NzwtqQAAA&amp;hl=en</a>
Research Gate	: <a href="https://www.researchgate.net/profile/Naveen-P">https://www.researchgate.net/profile/Naveen-P</a>
LinkedIn	: <a href="https://www.linkedin.com/in/naveen-p-31b330204/">https://www.linkedin.com/in/naveen-p-31b330204/</a>

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