

## ICDLAIR 2022 Special Session Proposal

### Title: Intelligent Computing Techniques and Applications

**Subtopics:** Soft computing techniques, Neural Networks, Expert Systems, Machine Intelligent algorithms, IoT applications with intelligent computational algorithms, Artificial Intelligence, Machine Learning and Deep Learning algorithms, Agricultural applications, Healthcare application, Environment applications

**Expected number of submissions:** 60

**Expected number of submissions:** 20

Date of submission and acceptance notification to be matched with ICDLAIR 2022 dates.

Dr. Mahesh Bundeale

Brief Profile;



**Dr. Mahesh Bundeale** has completed his Bachelor's degree in Electronics and Power in 1986 from Nagpur University and immediately joined as Lecturer in Electronics at Babasaheb Naik College of Engineering Pusad, Yavatmal District. He did his Master's in Electrical Power System from Amravati University in 1990 and was appointed at the post of Assistant Professor in Electrical Engineering in the same Institute in the year 1993. He was promoted to the post of Professor and Head of Computer Science Engineering & Information Technology in August 2006. He did his doctoral degree from Amaravati University in Computer Science & Engineering with a topic "**Design and Implementation of Wearable Computing System for the Prevention of Road Accidents**". While working he has handled various portfolios related to design and development of curriculum, Design and execution of laboratories, electrical installations including substation design & erection, street lights etc. He has worked on various Wi-Fi/ Wi-Max based system designs

and implementations for college and Pusad city villages. He has guided many research projects at UG and PG level on various applications in Electrical, Electronics & Computer Sciences. He has designed and executed various LT & HT electrical installations. He was also appointed as Principal of Babsaheb Naik College of Engineering, Pusad from March 2011. He has worked in various capacities such as, member Board of Studies, Chief-Valuation officer etc at University level. He has also worked for getting ISI to Krishak Motor pumps at Amravati. He has visited US, UK, China and Malaysia for research presentations. He has worked as Dean R&D at Poornima University, Jaipur during 2011- 2018. From 1<sup>st</sup> September 2018, he is working as Principal and Director of Poornima College of Engineering, Jaipur. While working at Poornima University, he has established unique R&D processes for Masters and Doctoral programmes. He also established and executed rules, policies and regulations in this regard. At Poornima College of Engineering he has established unique teaching-learning processes and implemented Outcome Based Education system in the Institute. He has delivered many invited talks and has been on advisory committees of IEEE International Conferences. He has published more than 50 research papers in National and International conferences and journals. He is senior member of IEEE, Life member of ISTE and IEI and the member of ACM. He has worked as Secretary in IEEE Rajasthan Subsection and also as Membership Development Chair in IEEE Rajasthan Subsection. He is member standing committee member for Technical and Professional activities at IEEE Delhi Section and also a member of execom IEEE Delhi Section. Currently he is Vice Chair in Jaipur ACM Professional Chapter and playing active role in ACM activities. He is having total 35 years of teaching including 7 years of research. While working at Poornima since 2011, he has developed unique R&D processes and curriculum and executed at Master and Doctoral level. He has worked majorly on human health issues. He is working research projects on Indian Rail Crack Detection and Monitoring and Micro-grid design and implementation in un-electrified villages of Rajasthan. His areas of research interest are Wearable & Pervasive Computing, Artificial Intelligence, Software Defined Networking, Wireless Sensor Networks, Smart Grids, Micro Grids etc. He has organized and chaired many IEEE, ACM, Elsevier and Springer international conferences and workshops and delivered keynote addresses.

He is member of SAE Northern Section and has initiated SAE club in Poornima College of Engineering, Jaipur and motivated students and faculty members to organize numerous activities under the club. He has motivated students of PCE to participate in various competitions of SAE. Students have also won the prizes. He took significant efforts to form SAE Jaipur division and organized meeting of officials at Jaipur in this regard.