

Chapter : IA34 SBC31281

Event Title	Inauguration Ceremony of IEEE -IAS chapter of IEEE SB, Bharati Vidyapeeth (DU) College of Engineering, Pune
Event Start Time	25 th March 2025 12.30pm (IST)
Event End Time	25 th March 2025 2.30pm (IST)
Description of Event (with good quality photos)	We are excited to share that the IEEE Industry Applications Society (IAS) Student Chapter Inauguration Ceremony held on 25/03/2025 at 1.00pm, was a resounding success! The ceremony commenced with a warm welcome address by Dr.Tanuja Dhope,Advisor IAS chapter, followed by an introductory speech outlining the purpose and importance of the event. We were also honored by the presence of our Dr.Rajesh Prasad,Principal whose leadership and vision continue to drive innovation and excellence in our institution. Additionally, our Heads of Departments, Dr.Arundhati Shinde, Dr.Shruti Oza, and Dr.Deepak Bankar and Prof.Rupali Ambekar –Counselor IEEE SB played a vital role in supporting this initiative and encouraging students to actively engage in IEEE activities. The event was graced by our Chief Guest, Professor, Department of EEE, BUET, Chair, IEEE Women in Engineering Committee (2024-2025), who shared insightful words on the significance of IEEE –IAS chapter and its role in advancing technology and innovation. Along with them, distinguished dignitaries Dr.Amar Buchade-Chair IEEE Pune section, Dr. Surekha Deshmukh -Vice-chair IAS chapter, Dr. Geetanjai Vaidya & Dr. Mandar Bhawalkar -Exe.member IAS chapter, and Prof. Manjusha Kanawade- Secretary IAS chapter added immense value to the occasion with their insights and encouragement. As a special highlight, an expert talk delivered by chief guest on "Signal Processing and AI for Broad Areas of Electrical and Computer Engineering".The ceremony featured: - An inspiring inaugural address - The official unveiling of the IEEE IAS chapter - Motivating speeches from distinguished dignitaries - Networking and discussions on future initiatives A heartfelt thank you to all our guests, faculty, students, and organizing team of IEEE students and IAS committee members for making this event truly memorable! This is just the beginning of an exciting journey—stay tuned for upcoming events and initiatives.



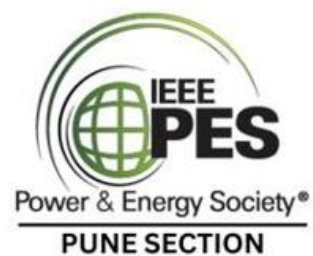




Type of Event Virtual/Hybrid/In-person	Virtual
Location/ address (detail including pin code)	AV Hall,Bharati Vidyapeeth (DU) College of Engineering, Pune-Satara Road, Pune, Maharashtra 411043 Pune - 411043
Speaker Name and details (brief information/biodata)	Speaker: Dr.Celia Shahnaz,Professor, IEEE, BUET Biodata: • Chair, IEEE Women in Engineering Committee (2024-2025) • Member, IEEE Fourier Award for Signal Processing Committee (2024-2025) • Chair, IEEE Computer Society Awards (2025) • Distinguished Visitor, IEEE Computer Society (2025) • Member, IEEE Computer Society Diversity & Inclusion Committee • Distinguished professor affiliated with IEEE and BUET, recognized for her contributions to engineering and diversity initiatives. • She plays a key role in promoting women in engineering and serves on multiple influential IEEE committees, contributing to signal processing, awards, and diversity efforts
Speaker Topic	Signal Processing and AI for Broad Areas of Electrical and Computer Engineering



Speaker Topic description	Deep learning-based Re-NET is an AI-driven model designed for hypoxemia severity prediction, leveraging recurrent neural networks (RNNs), LSTMs, or CNNs to analyze physiological signals like SpO₂, heart rate, and respiratory rate. It captures temporal dependencies using a recurrent architecture with attention mechanisms, classifying hypoxemia severity into mild, moderate, or severe. The model is valuable for early warning systems, remote patient monitoring, and clinical decision support, offering real-time, non-invasive, and automated predictions to enhance patient care. The session further focused on comparison of COVID19 images using various DL networks. The comparison of COVID-19 images using various deep learning (DL) networks evaluates different architectures like CNNs, ResNet, VGG, EfficientNet, and DenseNet for diagnosing COVID-19 from X-ray and CT images. Performance is assessed based on accuracy, sensitivity, specificity, and AUC-ROC. Advanced models with transfer learning and attention mechanisms often outperform traditional CNNs. The study highlights the strengths and limitations of each network, aiding in selecting the most efficient and reliable model for automated COVID-19 diagnosis.
Event flyer	    Inaugural Ceremony of Industrial Applications Society (IAS) Chapter & Expert Talk Chief Guest : Dr. Celia Shahnaz, Chair IEEE WIE, Professor Department of EEE, BUET Venue: AV hall, Central library Date: 25 March 2025 Time: 12.45 AM to 3:00 PM https://shorturl.at/DaXi8  Dignitaries: Dr. Amar Buchade, Chair IEEE Pune Section Dr. D. J. Doke, Chair IAS Chapter Dr. Surekha Deshmukh, Vice Chair IAS Chapter Mr. Pranavamoorthy Balasubramanian, Treasurer Mrs. Manjusha Kanawade, Secretary Dr. Geetanjali Vaidya, Exec. Member Dr. Mandar Bhawalkar, Exec. Member Prof. Rupalee Ambekar IEEE SB Counselor Dr. Tanuja Dhope IEEE IAS Chapter Advisor Dr. Rajesh Prasad Principal, BV(DU)COE, Pune Kush Jain IEEE SB Chair Manya Gautam IEEE IAS Chair
Event host Name with organization details	Dr. Tanuja S. Dhope, IAS Chapter Advisor, Bharati Vidyapeeth (DU) College of Engineering, Pune



Total Attendee Numbers	59
Total IEEE attendee members	10