

||Jai Sri Gurudev ||

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About the Institution

BGS Institute of Technology was established by Sri Adichunchanagiri Shikshana Trust in the year 2005, sprawling over an area of 21 acres on Bengaluru - Mangalore National Highway (NH 75). B G Nagar. It provides an inspiring academic ambience amidst abundant greenery and serenity. It is affiliated to Adichunchanagiri University (from 2018) approved by All India Council for Technical Education, New Delhi; and recognized by Government of Karnataka. The Institution is located equidistant from Bengaluru, Mysuru, Mandya. Tumkur and Hassan with 90 kilometres. It is near to Sri Kshetra Adichunchanagiri with 9 kilometres distance.

About the Department

The Department of Electronics and Communication Engineering is well equipped with state-of-the-art laboratories and an enabled environment is created to conduct practical & projects in Digital Electronics, Analog Electronics, Digital Signal Processing, AI & ML, HDL, VLSI, Microcontroller, laboratories, etc. Various training programs, seminars, workshops, technical talks, Industrial Visits and FDP's are being regularly organized to improve the technical skills of both faculty and students. Received grants from various sectors & patents have been filed. Faculties and students have registered and organise events under various professional bodies. Department of ECE is offering the post-graduation course M.Tech in VLSI Design and Embedded Systems and Ph.D. in Electronics & Communication.

About the Conference

There has been rapid research and development in technologies related to Science and Technologies such as Electrical, Electronics, Communication, Computation and its allied areas during the past few years and the way they impacted human lives. The scope for further development always exists and this conference would provide the opportunity to discuss the state of art research contributions and to explore the avenues for future work which would help the society. This conference is aimed to bring researchers, practicing engineers, faculty members and students across the globe on a common platform to share their research ideas, innovative thinking's that would pave way to attain solution to various real time problems. Many eminent researchers from different countries are expected to participate and interact with the young students and budding researchers of various institutions who are expected to be a part of this conference.

Call for Papers

Authors are solicited to contribute to the conference by submitting articles that illustrate research results, projects, Experiment works and industrial experiences that describe significant advances in the following areas, but are not limited to, the following :

Track 1 : Electronics and Communication, Networks, Signal Processing, Power System Stability, Medical Imaging and Technology

- VLSI Design and Applications
- Embedded System Design
- Antenna and Microwave Engineering
- Micro-Electro Mechanical Systems
- RF Communication and 5G/6G Network
- Wireless Communication and Networks
- Image, Speech and Video Processing
- Biomedical Engineering
- Multimedia Processing
- DSP Algorithm and Architecture
- Multirate and Statistical Signal Processing
- Signal Processing for Communication and Networking
- Optical Fiber/Microwave communication
- Multimedia & real-time communication
- Video Processing
- Device to Device communication
- Mobile Communications
- Unmanned Aerial Vehicle
- Multimedia Networking
- Network Architectures
- Network Based Applications
- Wireless Sensor Networks
- Network security and privacy
- Optical Networking
- Medical Imaging and Image Processing
- Biomedical applications in molecular, structural, and functional imaging
- Medical Signal Acquisition, Analysis, and Processing
- Deep learning for Medical Imaging

Track 2 : Advances in Computer Science, Information Technology, Artificial Intelligence, IoT, Cloud Computing, Operating Systems

- Block Chain
- Cyber Security
- Artificial Intelligence and Machine Learning
- Networking
- Data Mining
- Data Analytics
- Data Science
- Big Data Analytics
- Cloud Computing
- Deep Learning
- Natural Language Processing
- IoT and Industry 4.0
- IoT System Interfaces
- IoT-enhanced AR/VR/MR, Metaverse, and Games
- IoT protocols and Transports
- Electronics and Signal processing for IoT
- Grid Computing / Cloud Computing
- Operating systems
- IT Software Development and Methodology
- Information Retrieval and Database Systems
- Pattern Recognition and Information Retrieval
- Distributed Computing
- Information Technology Applications
- Software Architecture
- Evolutionary Algorithms
- Software Engineering
- Semantic Web and related topics
- Intelligent Robotics and Autonomous Agents

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Full Paper Submission : 25-08-2023
Acceptance Notification : 30-09-2023
Final Paper Submission : 23-10-2023
Conference Date : 23rd and 24th
November 2023

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