TULSIRAMJI GAIKWAD-PATIL

College of Engineering & Technology, Nagpur

Accredited by NAAC, Bengaluru, *An ISO 9001:2015 Certified Institution*

Approved by AICTE, New Delhi, Govt. of Maharashtra DTE, Mumbai & Affiliated to RTM Nagpur University

AICTE Sponsored
International E-Conference
on

"Recent Trends in Machine Learning & Artificial Intelligence in the field of Science & Technology organized in Collaboration with SEGi University, Malaysia"

E-ICAIML-20

27th & 28th November, 2020

All accepted papers will be published in UGC Approved / ESCI / WOS / SCOPUS indexed journals.*

Season's Greeting from TGPCET

It is a matter of honor and pride that our Institute is going to held two days AICTE Sponsored International E-Conference on "Recent Trends in Machine Learning & Artificial Intelligence in the field of Science & Technology organized in Collaboration with SEGi University, Malaysia" (E-ICAIML-20) on **27th & 28th November 2020**. The conference is expected to inspire the academician, researchers, corporate and government administrator to exchange their viewpoints on "AI & ML and its importance in Industrial Applications."

For Correspondence Contact:

Convener E-ICAIML - 2020
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GAIKWAD-PATIL
GROUP OF INSTITUTIONS

B.E | B.Arch | M.Tech | MBA | MCA | Diploma | International School | Skill Development

About E-ICAIML-20

It is a matter of honor and pride that our Gaikwad-Patil Group of Institutions (GPGI) is going to held two days AICTE Sponsored International E-Conference on "Recent Trends in Machine Learning & Artificial Intelligence in the field of Science & Technology organized in collaboration with SEGi University, Malaysia" (E-ICAIML-20) on 27th & 28th November 2020. The COVID-19 pandemic has resulted in unprecedented research worldwide. The impact on research in progress at the time of the pandemic, the importance and challenges of real-time pandemic research, and the importance of a pediatrician-scientist workforce are all highlighted by this epic pandemic. It is important to recognize and address opportunities and strategies for, and challenges of research and strengthening the research workforce. The international conference is aimed at providing a platform to share the needs of industries with the changing time and the role of technical education and institution to cater those needs. It will include sessions by industry experts, professors from national and international institutions. Papers will be presented by research scholars, faculty members and industry personnel through digital medium.

The Host

Gaikwad-Patil Group of Institutions **(GPGI)** provides education in various sectors such as Engineering & Technology, Science, Management, Architecture, Gaikwad-Patil International School including M. S. Dhoni Cricket Academy.

TGPCET is one of the premier upcoming engineering colleges in Central India and recently accredited by **NAAC**. It has Eight under graduate and four diploma courses in engineering, five post graduate courses in engineering in addition to MBA & MCA, four NSQF courses and four PMKVY-TI courses are also available. The college had received research grants from AICTE, ISTE and many other reputed agencies for high quality of research in engineering and technology. It has hosted a series of National and International Conferences. It also has a Micro, Small, and Medium Enterprises (MSME) Govt. of India approved Innovation & Incubation Centre.

Vision

To make exemplary contribution to the progress and future of our country by enhancing the capabilities of our youth, by imparting world class education and training in science, technology and management; empowering them to seek and offer solutions to challenges faced by their brethren locally as well as globally.

Mission

➤ To impart world class education and training to our students by offering state-of-art to undergraduate, postgraduate and doctoral programs.

➤ To develop dynamic engineers and managers comparable with the best in the world and capable of taking leadership role in future.

➤ To generate new knowledge by developing cutting-edge research and world class scholarship, to effectively contribute to the future of country and global community.

➤ To establish and nurture a long term symbiotic relationship with industry and institutions of higher learning within and outside our country in generating solutions for current and future issues of concern.

➤ To develop potential of all our stakeholders to its fullest extent and empower them to actualize it.

Conference Objectives

The COVID-19 outbreak is a sharp reminder that pandemics, like other rarely occurring catastrophes, have happened in the past and will continue to happen in the future. The conference is expected to inspire the academician, researchers, corporate and government administrator to exchange their viewpoints on implementations of AI and ML in industry.

➤ To bring together leading academic, researchers, research scholars and PG Students to exchange and share their experiences and research outcomes on all aspects of Mathematical theories for AI & ML and Recent Trends in the field of Science and Technology.

➤ To provide an interdisciplinary platform for researchers, practitioners and academician to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted.

➤ To encourage regional and international communication and collaboration; promote professional interaction and lifelong learning; recognize outstanding contributions of individuals and organizations.

Track & Topics

AI & ML to Fight Against Covid-19 Pandemic

Computer Science & Engineering

- ☑ Deep Learning
- ☑ AI & ML
- ☑ Natural Language Processing
- ☑ Computer Vision & Soft computing
- ☑ Data Science & Cloud Computing
- ☑ Big Data Analytics & Data Mining
- ☑ Pattern Recognition
- ☑ Block Chain Technology
- ☑ Internet of Things
- ☑ AI for Cyber Security
- ☑ Network Artificial Intelligence

Mechanical Engineering

- ☑ Application of AI & ML in the automotive industry.
- ☑ Application of AI & ML in 3-D (or even 4-D) printing.
- ☑ Application of AI & ML in Advance Robotic.
- ☑ Application of AI & ML in Manufacturing Industry.
- ☑ Application of AI & ML in Inventory Management.
- ☑ Application of AI & ML in Product Designing & Development.
- ☑ Application of AI & ML in Supply Chain Management.
- ☑ Application of AI & ML in Equipment Predictive Maintenance.
- ☑ Application of AI & ML in Forecast Product Demand.
- ☑ Application of AI & ML in Customer Management.

Civil Engineering

- ☑ Computational Intelligence in Civil and Hydraulic Engineering
- ☑ Artificial Intelligence in Civil Engineering
- ☑ Intelligent Optimization Methods in Civil Engineering
- ☑ Use of AI in real-time interactions of workers, machinery, on the site and alert construction errors, and productivity issues.
- ☑ AI and Machine Learning for Smart Construction
- ☑ AI for Better Design of Buildings Through Generative Design
- ☑ Risk Mitigation using Artificial Inteligence
- ☑ Project Planning Using Artificial Inteligence
- ☑ AI for Construction Safety
- ☑ The Future of AI in Construction

Electronics & Communication Engineering

- ☑ AI for IoT & Image Processing
- ☑ Electronic Solutions for Artificial Intelligence Healthcare
- ☑ Application of Electronics Devices on Intelligent Systems
- ☑ Machine Learning Application in Image Processing
- ☑ Artificial Neural Network and Smart Sensing
- ☑ Intelligent Optimization methods in Electronics Engineering
- ☑ Wireless AI (Artificial intelligent) Based Intelligent- Robot
- ☑ Electronics Engineering the Next Wave of Artificial Intelligence
- ☑ Future of AI in Communication
- ☑ Application of Artificial Intelligence and Deep Learning in Wireless Communications System

Master of Business Administration

- ☑ Business Applications of AI and ML
- ☑ Automation in Business Practices using AI
- ☑ Financial Intelligence/Planning using AI and ML
- ☑ AI and ML for Business Leaders
- ☑ Smart Management Practices
- ☑ Information Management
- ☑ Managing Innovations & Disaster Management
- ☑ Emotional Intelligence
- ☑ Social Media Marketing
- ☑ Supply Chain Management

Electrical Engineering

- ☑ Engineering Design for Sustainable Development using IoT/AI
- ☑ IoT for Modern Life
- ☑ Smart Cities: Waste Minimization, Remanufacturing, Reuse and Recycling Technologies using IoT/AI
- ☑ Industry 4.0
- ☑ Intelligent and Smart Grid Systems
- ☑ Energy Conservation using Technology
- ☑ Green Computing
- ☑ Robotics and Process Automation (RPA)
- ☑ Water and Air Quality Management

Guidelines for Paper Submission

➤ All the papers are accepted only through EasyChair account. **https://easychair.org/conferences/?conf=icaiml20**

➤ Acceptance of the papers implies that atleast one of the authors must present the paper in the conference.

➤ There will be an award for the best three papers with attractive prizes to be presented at the conference.

➤ **Tables/Figures:** Tables and Figures should be placed at the end of the text. Tables should contain a source and units of measurement.

➤ **References:** Place the references at the end of the manuscript. The list should mention only those sources actually cited in the text or notes. Authors name should be same as in the original source.

➤ For more than one publication by the same author, list them in chronological order, with the older item first. For more than one publication in one year by the same author, use lower case letters to distinguish them. (e.g.2019a, 2019b).

Journal Publication

All accepted papers will be published in UGC approved journal(s).

The shortlisted extended papers, after peer review will be published in the Scopus Indexed Journal. The Journal Publication fee is to be paid by the respective authors separately. The registration fee of the conference does not include extended journal publication charges.

Keynote Speakers

Dr. P. Rajamohan Parthasarathy
Professor, SEGi University, Malaysia

Dr. Gautam Das
CEO, Insanalytics, Kolkata

Location Map

Glimpses & Eminent Speakers of MPIR-19

Dr. P. M. Padole
Director VNIT
Nagpur

Mr. Yudhisthir Sahoo
General Manager (Airport Authority of India)
DBAI Airport, Nagpur

Mr. Earling Gabrielsen
CEO, Co-founder, Pulato
Norway

Publication of Souvenir MPIR-19

Felicitation of Guest MPIR-19

Glimpses & Eminent Speakers of ICIREST-19

Dr. Alok Prakash Mittal
Member Secretary,
AICTE, New Delhi

Dr. G. S. Khadekar
Dean, Faculty of Science & Technology
RTM Nagpur University, Nagpur

Tetsufumi Kawabe
Dy. Managing Director
TOYAL MMP Limited, Japan

Prof. Alok Prakash Mittal Delevering Keynote Address ICIREST-19

Felicitation of Guest ICIREST-19

Glimpses & Eminent Speakers of ICIREST-18

Dr. Sandeep Salodkar
Vice- Chancellor
APJ Abdul kalam University, Indore

Dr. V. S. Deshpande
Pro. Vice-Chancellor
RTMNU, Nagpur

Dr. Narendra S. Chaudhari
Former Director
VNIT, Nagpur

Inaugural Ceremony ICIREST-18

Felicitation of Guest ICIREST-18

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Dr. Gautam Das, CEO, Insanalytics, Kolkata.

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Er. Arbind Kumar, Project Head, TCS, Nagpur.

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V.M. Institute of Engineering & Technology

Abha Gaikwad-Patil College of Engineering

Tulsiramji Gaikwad-Patil College of Architecture

Registration & Publication Details

Last Date for Submission of Full Length Paper : 09th November 2020

Category	Publication	Amount	
		Indian Author(s)	Foreign Author(s)
1	UGC Approved Journals (JETIR)	Rs. 1000	$50
2	Emerging Sources Citation Index (ESCI)	Rs. 2000	$75
3	Web of Science (WOS)	Rs. 3000	$100
4	UGC Care & EI Indexed	Rs. 3500	$150
5	SCOPUS	Rs. 8000	$200

For any queries you can reach to us on
Email: aimlconf@tgpcet.com

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Registration fee will include e-Conference Proceedings, E-Certificates & Journal Publications.

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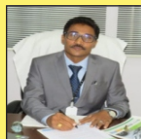Treasurer
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