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TULSIRAMJI GAIKWAD-PATIL

College of Engineering & Technology

Approved by AICTE, New Delhi and Govt. of Maharashtra | An ISO 9001:2015 Certified Institution
Affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur



— AN AUTONOMOUS INSTITUTE —



AICTE Sponsored

**9th International Conference
on**

DISRUPTIVE TECHNOLOGY FOR ACHIEVING SUSTAINABLE DEVELOPMENT GOALS

Jointly Organized

by



**ABHA GAIKWAD- PATIL COLLEGE OF ENGINEERING
AND**



TULSIRAMJI GAIKWAD-PATIL COLLEGE OF ENGINEERING AND TECHNOLOGY

IC-DTSDG-22

22nd -23rd DEC 2022

In collaboration with:



SEGi
University
Malaysia



Conference Email: icdtsdg@tgpcet.com

www.icdtsdg.tgpcet.com

About The Conference

It is a matter of honour and pride that Gaikwad-Patil Group of Institutions (GPGI) is organizing AICTE sponsored International Conference on 'Disruptive Technology for achieving Sustainable Development Goals' (IC-DTSDG-22). It is 9th International Conference being organized for Two days, 22nd & 23rd December, 2022 which will cover Science, Technology and Management. The conference will be jointly organized by SEGi University, Malaysia and the Prince of Songkla University, Thailand. 'Disruptive Technology' is an innovation that significantly modifies the way that the consumers, industries or businesses operate. The basic concept of sustainable development aims to keep a balance between economic promotions while protecting the environment in order to meet the necessity of the existing as well the upcoming generations. The Sustainable Development Goals, also known as the Global Goals, seek to accommodate economic growth, environmental balance and social progress, ensuring equal opportunities for all people to lead a better life without compromising with the resources of the planet.

It is well known that industrialization, rapid growth in population, increased urbanization, climate change and various other factors influence / degrade the environment of the earth's natural resources. Therefore, the International Conference on 'Disruptive Technology for Achieving Sustainable Development Goals' is planned to offer a grand opportunity to the participants to exchange the ideas and discuss the issues related to the current environmental challenges, technological innovations / possibilities of opportunities for collaborations amongst the scientists, policymakers or the activists. The conference will help in grooming a strong community of scientists, academicians, budding Engineers, NGOs, research scholars, students to exchange / share their expertise / experiences so as to find integrated and sustainable solutions to address various sustainable development goals.

About the Host

Gaikwad-Patil Group of Institutions (GPGI) provides education in various sectors such as Engineering & Technology, Science, Management, Architecture & Health Science. Group also provides schooling education in Gaikwad-Patil International School. It also provides sport facilities through MSDhoni Cricket Academy.

Tulsiramji Gaikwad-Patil College of Engineering and Technology (TGPCET) was established in the year 2007 by Vidarbha Bahu-uddeshiya Shikshan Sanstha (VBSS), a registered society. It is a self financed Private Engineering College, which is affiliated to Rashtrasant Tukadoji Maharaj Nagpur University (RTMNU) Nagpur and is approved by All India Council for Technical Education, New Delhi and the Directorate of Technical Education (DTE), Mumbai, Maharashtra State. The Institute is Accredited with A+ grade (3.32 CGPA) by NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL, (NAAC) Bengaluru. It is an Autonomous Institute affiliated to RTM Nagpur University, Nagpur.

TGPCET offers Six PG programs in engineering such as Computer Science and Engineering (CSE), Integrated Power System (IPS), Structural Engineering (SE), Electronics and Communication Engineering (ECE), Artificial Intelligence & Machine Learning (AIML), Mechanical Engineering Design (MED) and also offers Two years PG programs in Master of Business Administration (MBA) as well as Two years Master in Computer Application (MCA).

The College offers four years UG programs in Nine disciplines of engineering such as Bio-Technology (BT), Aeronautical Engineering (AE), Computer Science and Engineering (CSE), Computer Science and Engineering (Data Science), Information Technology (IT), Electronics and Communication Engineering (ECE), Mechanical Engineering (ME), Civil Engineering (CE) and Electrical Engineering (EE).

The institute also offers four diploma courses in Mechanical Engineering (ME), Civil Engineering (CE), Computer Science and Engineering (CSE) & Electrical Engineering (EE).

Vision

To emerge as a learning Center of Excellence in the National Ethos in domains of Science, Technology and Management.

Mission

To strive for rearing standard and stature of the students by practicing high standards of professional ethics, transparency and accountability.

To provide facilities and services to meet the challenges of Industry and Society.

To facilitate socially responsive research, innovation and entrepreneurship.

To ascertain holistic development of the students and staff members by inculcating knowledge and profession as work practices.

Aim

To provide a potential platform for young researchers and students from within the country and abroad. To keep pace with the latest development in the emerging areas of Science, Technology and Management, for the benefit of the society, balance the environment, economic promotion and social progress.

Objective

1. To develop new ideas through research & development for implementation of sustainable development goals.
2. To get help in implementation of the sustainable development goals through technological intervention.
3. To investigate and integrate Industry 4.0 with Agriculture 4.0 aligning with the United Nation's set Sustainable Development Goals.
4. To spur networks of expertise, knowledge and practice into actions to achieve excellence in technological development.
5. To improve rural areas and support environment for better sustainable future.
6. To enhance and set SDG indicators with respect to current scenario.

Tracks of the Conference

CIVIL ENGINEERING

- Smart structure and Materials, Road & Bridge engineering Safety.
- Environmental Engineering, Ground Improvement Techniques & soil stability.

MECHANICAL ENGINEERING

- CAD/CAM/CIM, Hydrocarbon
- Fuel and Energy Advances in Thermal Engineering Biodiesel production
- Fuel characterization & Engine Testing Advanced Manufacturing Technologies

ELECTRONICS & ELECTRICAL ENGINEERING

- Robotics & Embedded system RF
- Internet of Things (IoT)
- Microwaves
- Wireless & Optical Communication
- Electrical Power Generation
- Transmission and Distribution Electric & Hybrid vehicle

COMPUTER SCIENCE AND ENGINEERING

- Networking & Cloud Computing
 - Blockchain Technology
 - Cyber security and Network security
 - Data Science and Big data
 - Graphics
 - Animation & Virtual Reality
- Note:** Not limited to above mentioned areas

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- Dr. G. K. Awari, Professor & Head, Automobile Engineering, GP, Nagpur.
- Dr. S. B. Akkole, Professor, Electronics & Comm. Dept., SGBIT, Belagavi, Karnataka.

Keynote Speakers



Dr. Chan Mieow Kee

Deputy Dean (Research),
Segi University, Malaysia



Dr. Juntakan Taweekun

Prince of Songkla University,
Thailand

Patrons

Dr. Geeta Padole-Gaikwad, Director Admission, GPGI

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Guidelines for Paper Submission

The authors are expected to submit original research papers which have not been submitted elsewhere in other conferences /Journals. Papers should be submitted through email icdtsdg@tgpcet.com. The authors should strictly adhere to the template which is given in quick link of website. 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.

Publication

Peer reviewed paper will send in reputed journals like **Scopus** and **UGC CARE** etc. with additional charges.

The Extended version of the conference papers will be published in indexed journals. 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. Participants may address their queries if any, regarding the paper submission or any other matter to the email icdtsdg@tgpcet.com. For more details on registration, Scope and paper submission please refer to www.icdtsdg.tgpcet.com.

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Tulsiramji Gaikwad-Patil College of Architecture

Registration

Registration Fees

Sr. No	Delegates	Number of Candidates (Maximum)	Fees
1	International Delegates	04	\$ 50 (USD)
2	Academician, Industry professional and PG students	04	Rs. 2000/- (Excluding Publication charges)
3	UG Students	04	Rs.1000/-

Above fees are applicable only for 4 authors. Extra Rs. 500/- per author.

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

Note: Journal Publication charges should be paid separately as per the table mentioned below.

Sr. No	Publication	Indian Delegate	Foreign Delegate
1	Scopus Journal	Rs. 6,500/-	\$ 79.59
2	UGC Care	Rs. 4,500/-	\$ 55.03
3	Peer Reviewed	Rs. 1,400/-	\$ 17.12

Mode of Payment

Payments can be made in cash, Demand draft, NEFT, Bhim or Google Pay App to our bank account.

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Important Dates

Abstract Submission :- 05th December, 2022

Notification of Abstract Acceptance: 07th December, 2022

Full Length Paper Submission (As per the template):- 10th December, 2022

Camera Ready Paper Submission & Registration of Authors:- 15th December, 2022 to 17th December, 2022

Conference Dates:- 22nd-23rd December, 2022