



2nd National Conference On Recent Trends of Engineering, Science and Management

NCRTESM 2023

(An initiative of IQAC, GGSESTC, Bokaro)

03rd – 04th November, 2023

**“Industry 5.0: Towards a Human Centric,
Resilient, Digital Twins & Transformative Vision”**

Organized by



**GURU GOBIND SINGH EDUCATIONAL SOCIETY'S
TECHNICAL CAMPUS**

Kandra (Chas), Bokaro – 827013

Jharkhand

In association with

JHARKHAND UNIVERSITY OF TECHNOLOGY

Ranchi, Jharkhand



GGSESTC at a Glance

Guru Gobind Singh Educational Society's Technical Campus (GGSESTC, est. in 2011), is an acclaimed center of academic excellence for education in Engineering, Management, Application and Fashion, in the state of Jharkhand. The serene campus of GGSESTC is sprawled over 20 acres of land and located on NH 18 in the urban vicinity of Bokaro district. Within a span of 12 years, the college has established its credentials as an institution of repute and is consistently working for quality improvement as evident by its **ISO 9001:2015** Certification, **Eat Right Campus** certification, Appreciations and accolades from esteemed bodies like **AICTE**, **NTA**, **DC Office**, **Indian Rotary Club**, **NIRDPR** (Hyderabad), **JUT** (Ranchi) etc. The college has signed MoUs with leading industries and associations like **JIADA**, Bokaro Region, **BSL** (A Unit of SAIL), **ESL-Vedanta** and many other industries and corporates for providing Internship opportunities to its students. The GGSES technical campus offers **B.Tech** – ME, CE, EEE, CSE, CSE(Data Science), CSE(Cyber Security), ECE and Fashion Technology; **Management** – BBA & MBA and **Application** – BCA courses which are approved by AICTE, New Delhi and affiliated to Jharkhand University of Technology, Ranchi.

About the Conference

This is the second National Conference in the series of National Conferences on Recent Trends of Engineering, Science and Management. It is themed upon Industry 5.0 towards transforming robots into **cobots** i.e. ideal human companions. This conference will visualize the different aspects of 5th industrial revolution, which is humane and undertakes sustainable approaches through bridging virtual and physical worlds by digital twins, modeling, visualization and artificial emotional intelligence.

Objectives of the Conference:

- To understand the challenges and barriers to the effective partnership of man and machines.
- To identify the innovative approaches of technology for sustainable growth and output efficiency.
- To provide an interactive platform for presenting new advances and innovative research results in the diversified fields of engineering, science and management and to explore new directions of research regarding Industry 5.0

Invitation of Papers

Research articles and quality papers on innovative ideas and projects are invited from scientists/academia/ intellectuals/students upon the given theme on the following topics:

- *Innovative Models for Social Science and Economic Sustainability*
- *Application of Green Technology in Production and Operation Management*
- *Innovations in Electrical, Mechanical, Material and Metallurgy Engineering*
- *Technology for Renewable Energy, Sustainable housing and Other Infrastructure*
- *Application of Artificial Intelligence/Digital Technology in new dimensions.*
- *Advances in Science and Agriculture*
- *Innovations in Textile & Fashion Technology and Chemical Technology*
- *Entrepreneurship in Service Sectors and Other Industry*

This conference will be organized in hybrid mode (offline/online) where participants can opt for offline or online participation as per their convenience.

How to Register?

Link for registration: <https://forms.gle/cR5dqpXsBjMnzvRq8>

Last date to register: 30.09.2023

Conference Fee:

Category	Fee
Participants from Industry/Corporate	INR 5500
Scientists/ Academicians	INR 3500
MOU Partners	INR 1500
Faculty Members/Students of JUT affiliated colleges	INR 1500
Faculty Members/Students of GGSESTC	INR 500
Online Participation	INR 1000

- Registered participants are advised to submit their full length manuscript including abstract, results, tables, figures, and references in prescribed format.
- Paper format should strictly follow APA guidelines.
- The manuscript can be submitted to

conference2023@ggsestc.ac.in

- **Last date to submit abstract: 05.10.2023**
- **Last date to submit full length manuscript: 15.10.2023**

Selected papers will be published in the proceeding with ISSN/ISBN No.; and in related Scopus/WoS/UGC Care Listed International Journal of repute (conditions apply).

- Once the manuscript is accepted for the Conference, the participant needs to deposit the conference fee.

Our Bank Details for NEFT/RTGS/IMPS:

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Beneficiary Bank: **UNION BANK OF INDIA**

Address: **Guru Gobind Singh Educational Society's Technical Campus, Kandra (Chas) Bokaro Jharkhand – 827013**

IFSCode: **UBIN0565351**

- Certificate of participation will be issued to the registered participant and for any other additional participation certificate, an additional amount of Rs. 250 will be charged.
- Kit; and lunch (for 2 days) will be provided to each registered participant.

Transportation & Accommodation

Participants are requested to make their own arrangements of travel and accommodations. However, necessary information and support will be provided for accommodation in nearby hotels on request.

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- Sh. Tarsem Singh**, Hon'ble President, GGES, Bokaro, Jharkhand

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Venue:

GURU TEGH BAHADUR SINGH AUDITORIUM, GGSESTC, KANDRA (CHAS), BOKARO – 827013. JHARKHAND

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1. First and last pages (Colored) Advt. Rs 20000/-
2. Lunch Rs 25000/- (one day)
3. Conference Docket Rs 20000/-
4. Hi tea (one day) Rs 10000/-
5. Prizes/ Awards for best three papers Rs 7500/-
6. Black & White page advt. Rs 5000/-

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