

Advisory Committee

- Dr. Ram Naresh Rai, Principal GEC, Buxar, Bihar.
- Dr. Pankaj Rai, Director, BIT Sindri, Jharkhand.
- Prof. Nishant Kumar, Registrar(I/C), JUT, Ranchi.
- Dr. Rajiv Ranjan, Associate Professor, BIT Mesra Ranchi.
- Dr. Akhilesh Kumar Singh, Professor, Aditya University, Andhra Pradesh.
- Dr. Rajeev Ranjan, Associate Professor, RKDF University, Ranchi.
- Dr. R P Kiran Associate professor YBN University, Ranchi.
- Dr. Abhishek Kumar, Associate Professor, YBN University, Ranchi.

FDP Registration

₹49/- ONLY

A/C Holder Name: RTC Institute
of Technology

Bank A/C No.: 499120110000279

Bank Name: Bank of India

Branch: Ormanjhi, Ranchi

IFSC Code: BKID0004916

Registration can be done through provided link:
<https://forms.gle/bDnPZsJiy57fQUhs7> or scan to
register



e-Certificate will be given after end of the FDP

Chief Patrons

- Sri Ram Tahal Choudhary, Chairman, RTCIT
- Mr. S. N. Mahto, Secretary, RTCIT
- Prof. A. P. Singh, Director Emeritus, RTCIT
- Mr. Sumeet Raj, Managing Director, RTCIT

Patron

- Dr. N. Hari Babu, Principal, RTCIT

Convener

- Dr. Arvind Kumar, Assistant Professor & H.O.D, M.E, RTCIT

Coordinators

- Mr. Suman Saurav, Assistant Professor, M.E, RTCIT
- Dr. Pankaj Kishore, Assistant Professor, M.E, RTCIT

Technical Coordinator

- Mr. Amrit Assistant Professor, M.E, RTCIT

Organising Committee

- Mr. Priya ranjan, Assistant Professor, M.E, RTCIT
- Dr. Manoj Kumar , Assistant Professor, M.E, RTCIT
- Mr. Amit Kumar, Assistant Professor, M.E, RTCIT
- Mr. Kameshwar Mahto, Assistant Professor, M.E, RTCIT
- Mr. Sanjeev Kumar, Assistant Professor, M.E, RTCIT
- Mr. Krishna Kumar, Assistant Professor, M.E, RTCIT
- Mr. Rajeev Ranjan, Lab Instructor, M.E, RTCIT

For Any Query, Contact Us

Mr. Suman Saurav

suman_saurav@rtcit.ac.in

9162444102

Dr. Pankaj Kishore

pankaj_kishore@rtcit.ac.in

8092544920

Website: <https://www.rtcit.ac.in>

5 DAYS FACULTY DEVELOPMENT PROGRAM ON “EMERGING TRENDS IN MECHANICAL ENGINEERING”

15 June – 19 June 2026

(Online Mode)

Time: - 10:00AM – 04:00 PM

Organized by:

Department of Mechanical Engineering



RTC INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, and Affiliated to Jharkhand
University of Technology, Ranchi)

Anandi, Ormanjhi, Ranchi-835219, Jharkhand

(ISO 9001:2015 CERTIFIED)



About the Institution

- **RTC Institute of Technology (RTCIT)** aims to consolidate as a pioneer technical institution for running various B.Tech., BBA and Diploma Courses.
- The Institute was established in the year 2008 by GAV SAMITI, a trust (45 years old) working in the field of education, having 23 Schools, Intermediate, Degree and B.Ed. Colleges spread all over the State of Jharkhand, serving a large population and lighting the spark of quality education.
- The Institute is situated in a lush green environment on NH-33 (Ranchi-Ramgarh) about 20 km away from the capital city (Ranchi). It is surrounded by scenic water body and natural landscape with a perfect pollution-free atmosphere most conducive for academic pursuit. It is located about 1.75 km from Ormanjhi block chowk on Sikidri road.
- The Institute location is well connected with all-weather roads. The Institute is being developed by a promising team of qualified and committed engineers, builders, architects & planners constantly working towards achieving excellence.

Important Dates

- **LAST DATE TO REGISTRATION: 13 June 2026**
- **FDP DATE: 15 June - 19 June 2026.**

ADDRESS:

RTC INSTITUTE OF TECHNOLOGY ANANDI, ORMANJHI, RANCHI-835217.

<https://maps.app.goo.gl/uVKkrBWLmqLN8Qjr7>

About the FDP

- An FDP (Faculty Development Program) on “Emerging Trends In Mechanical Engineering” typically aims to enhance the knowledge and skills of faculty members, researchers, and professionals in the evolving field of renewable energy and smart grid integration.
- Interdisciplinary focus: From advanced manufacturing (EDM, micromixers, laser-based heating) to smart materials and sustainable energy (nano-enhanced biofuels, alternate energy), the FDP bridges core mechanical, materials, and energy domains.
- Industry 4.0 integration: Explore steelmaking’s digital transformation, AI-integrated IC engine operation, and data-driven modelling/ML for plastic deformation to align academic research with smart factory practices.
- Sustainability and light-weighting: Examine polymer composites as metallic substitutes, advancements in biofuels for IC engines, and process innovations that reduce energy use and emissions without compromising performance.

Objective and Scope

- To provide participants with exposure to emerging technologies and advanced research areas in Mechanical Engineering, including smart manufacturing, AI-integrated systems, and sustainable engineering solutions
- To enhance understanding of modern manufacturing techniques such as Electro Discharge Machining (EDM), mathematical modelling, and machine learning applications in deformation and production processes.
- To explore recent advancements in alternative energy systems, nano-enhanced biofuels, and energy-efficient IC engine technologies for sustainable industrial development.
- To promote interdisciplinary learning through topics such as laser-assisted medical applications, micromixer technologies, and polymer composites for lightweight engineering applications.

Resource persons

Dr. V. Joshua Jaya Prasad, Professor, Bharat Institute of Engineering & Technology, Telangana.

Dr. S. Rath, GM & Head (Flat Rolling and Tribology Group), SAIL, Ranchi.

Dr. Reddy Vara Laxmi, Associate Professor, Department of Mechanical Engineering, Vizianagaram, Andhra Pradesh.

Dr. Shiv Kumar Ray, Assistant Professor, BEU, Patna.

Sri Sandeep Sinha, Chief General Manager, I/C Marketing & MR, MECON Limited, Ranchi.

Dr. Arvind Kumar, Assistant Professor & H.O.D, M.E, RTCIT, Ranchi.

Dr. Manoj Kumar, Assistant Professor, M.E, RTCIT, Ranchi

Dr. Pankaj Kishore, Assistant Professor, M.E, RTCIT, Ranchi

Mr. Amit Kumar, Assistant Professor, M.E, RTCIT, Ranchi

Mr. Priya Ranjan, Assistant Professor, ME, RTCIT, Ranchi