

GURU GOBIND SINGH EDUCATIONAL SOCIETY'S TECHNICAL CAMPUS
KANDRA (V), CHAS- 827013, BOKARO (JHARKHAND)

Date- 01/04/2024

**Report on a One-Week Online National Level Faculty Development Program on
"Research & Innovation Ecosystem" (18-03-2024 to 23-03-2024)**

Introduction

The *One-Week Online National Level Faculty Development Program on Research & Innovation Ecosystem* was organized by GGSES Technical Campus, Bokaro, with the aim of fostering a strong research culture and innovation ecosystem in academic institutions. The program provided faculty members with in-depth guidance on securing research funding, publishing impactful research, navigating intellectual property rights, and adopting an interdisciplinary approach to address new research challenges.

Objectives

The primary objectives of this FDP were:

- **To promote a sustainable research ecosystem** within technical institutions, particularly private engineering colleges.
- **To provide insights into research funding opportunities** from organizations like DST and international agencies.
- **To guide faculty on intellectual property rights and patents**, enabling them to secure and protect their innovations.
- **To enhance participants' skills in research publication** to increase the visibility and impact of their work.
- **To encourage interdisciplinary research** as a means to address emerging challenges in a resource-efficient manner.
- **To support faculty members in competing effectively** in rapidly evolving research fields and advancing their contributions to global knowledge.

Program Details

Registration and Certificates:

- **Registration Fee:**
 - GGSESTC Faculty - Nil
 - JUT Faculty/MoU Institutes - Rs. 1000
 - Other Participants - Rs. 5500

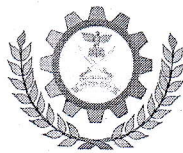
Key Highlights:

- **Research Funding Opportunities:** Guidance on securing research grants from DST and other funding bodies, with a special focus on resources for private institutions.
- **Intellectual Property and Patents:** Sessions on IPR to aid in protecting research innovations.
- **Effective Research Publication:** Insights on publishing high-quality research to increase academic recognition.



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- **Building a Sustainable Research Ecosystem:** Practical steps for establishing and maintaining a strong research infrastructure.
- **Interdisciplinary Problem Solving:** Emphasis on collaboration across disciplines to tackle contemporary research problems.
- **Navigating Limited Resources:** Strategies for conducting impactful research with limited institutional resources.

Resource Persons:

The FDP featured prominent speakers and resource persons from academia and industry, including:

1. **Prof. (Dr.) P. A. Khatwani** - Professor, Textile Engineering, Sarvajanic College of Engineering & Technology, Surat, Gujarat
2. **Prof. (Dr.) Anil W. Kharche** - Director, Padmashri Dr. V.B. Kolte College of Engineering, Malkapur, Maharashtra
3. **Prof. (Dr.) Priyadarshi Jaruhar** - Director, GGSESTC, Bokaro
4. **Prof. (Dr.) Bikash Ghoshal** - Mechanical Engineering, GGSESTC, Bokaro
5. **Dr. A. P. Burnwal** - Associate Professor, Department of Mathematics, GGSESTC, Bokaro
6. **Dr. Rajendra Prasad Verma** - Associate Professor, Civil Engineering, GGSESTC, Bokaro
7. **Dr. Palwinder Kumar** - Principal, KCGMC, Nawanshahr, Punjab
8. **Prof. Sachin Vyawahare** - I/C Principal, Sanmati College of Engineering, Maharashtra
9. **Dr. M.S. Patil** - Associate Professor, Chemical Engineering, Shivaji Engineering College, Akola
10. **Dr. Sarfaraz Karim** - Associate Professor, MBA, GGSESTC, Bokaro
11. **Dr. Akash Arya** - Assistant Professor, EEE Engineering, GGSESTC, Bokaro

Participants

The FDP received an overwhelming response with 35 faculty members from GGSESTC, Bokaro, and numerous participants from other colleges, showcasing a blend of perspectives and ideas.

Outcomes

The FDP achieved several significant outcomes:

- **Enhanced Knowledge on Research Funding:** Participants gained valuable insights on securing funding from national and international sources, which will contribute to increased research activities in their institutions.
- **Increased Awareness on IPR and Patents:** Faculty members are now better equipped to safeguard their research and innovations through effective IP management.
- **Strengthened Research Publication Skills:** The sessions helped faculty understand the elements of quality research publications, ultimately boosting their academic impact and credibility.



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- **Promoted a Culture of Interdisciplinary Research:** The FDP encouraged participants to explore cross-disciplinary collaboration, fostering innovative solutions to complex research problems.
- **Resource Management in Research:** Faculty members received practical guidance on optimizing limited resources to maintain a sustainable research ecosystem.

Conclusion

The *One-Week Online National Level FDP on Research & Innovation Ecosystem* successfully met its objectives of empowering faculty members to navigate research funding, IP management, and interdisciplinary collaboration. The program has laid the foundation for creating a robust research ecosystem at GGSES Technical Campus and other participating institutions, enabling them to contribute meaningfully to the national research landscape.

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