



NETAJI SUBHAS INSTITUTE OF TECHNOLOGY

APPROVED BY AICTE, NEW DELHI AND DEPT OF SCIENCE & TECHNOLOGY, GOVT. OF BIHAR
AFFILIATED TO BIHAR ENGINEERING UNIVERSITY, PATNA
AMHARA, BIHTA, PATNA-801106

Glimpses of the event

Name of the Event: Bootcamp on 3-D Printing and Additive manufacturing Technology

Date: -01/09/2025 to 02/09/2025

Organizers Name: CDAC-KOLKATA CENTRE and NIT PATNA, BIHTA CAMPUS



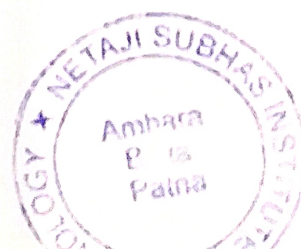
J. D. D. / 18/9/25
Principal
Netaji Subhas Institute of Technology
Amhara, Bihta, Patna

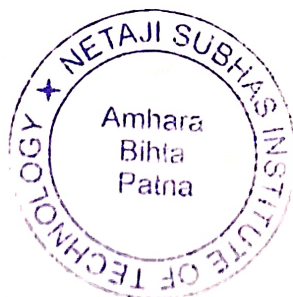


Dayalpur Daulatpur, Bihar, India
Gvp3+xf, Dayalpur Daulatpur, Bihar 801106, India
Lat 25.537382° Long 84.852953°
01/09/2025 02:43 PM GMT +05:30



Kateshar, Bihar, India
Hrjj+8xh, Kateshar, Bihar 801103, India
Lat 25.580462° Long 84.832688°
02/09/2025 01:03 PM GMT +05:30







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Activity Report

Name of the Event: Bootcamp on 3-D Printing and Additive manufacturing Technology

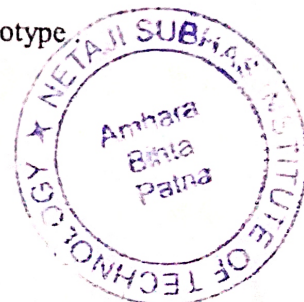
Date: - 01/09/2025 to 02/09/2025

Organizers Name: Mr. Sankhajit Banerjee , Senior Faculty & Branch Head
CDAC-KOLKATACENTRE: NIT PATNA, BIHTA CAMPUS

The Bootcamp on 3-D Printing and Additive Manufacturing Technology at NSIT College is designed to provide participants with a comprehensive understanding of one of the most transformative technologies of the modern era. Additive manufacturing, commonly known as 3-D printing, is revolutionizing industries by enabling rapid prototyping, customized product development, and cost-effective manufacturing solutions. This bootcamp serves as an excellent platform for students, researchers, and professionals to gain hands-on experience with cutting-edge tools, learn about the latest advancements, and explore practical applications across various fields such as engineering, healthcare, automotive, and aerospace. By bridging theoretical knowledge with practical training, the program aims to equip participants with the skills required to thrive in the evolving landscape of advanced manufacturing technologies.

Activities Conducted

1. **Inaugural Session**
 - Welcome address by organizers and faculty.
 - Overview of 3D printing and its significance in manufacturing.
2. **Technical Workshops**
 - Introduction to 3D printing (Designing on CATIA , Live printing of prototype device).
3. **Panel Discussions**
 - Experts discussing on 3D printing and its adoption in manufacturing , healthcare, and aerospace.
4. **Live Demonstrations & Case Studies**
 - Demo on design using CATIA software and printing of prototype
5. **Q&A and Networking**
 - Interactive session with industry leaders.



Outcomes of the Bootcamp

The Bootcamp on 3-D Printing and Additive Manufacturing Technology at NSIT College successfully provided participants with both theoretical insights and practical exposure to advanced manufacturing techniques. Students and professionals gained:

- A strong conceptual foundation in additive manufacturing principles and processes.
- Hands-on experience with 3-D printing equipment, software tools, and design methodologies.
- Awareness of diverse industrial applications, including healthcare, aerospace, automotive, and consumer product development.
- Problem-solving and innovation skills through project-based learning and interactive sessions.
- An understanding of the future scope of additive manufacturing in research, entrepreneurship, and industry.

Conclusion

The bootcamp proved to be a highly impactful learning experience, bridging the gap between academic knowledge and industrial practices. By fostering innovation, skill development, and interdisciplinary collaboration, it highlighted the immense potential of 3-D printing and additive manufacturing technologies in shaping the future of engineering and product design. The event reinforced NSIT College's commitment to promoting cutting-edge technical education and preparing students for emerging opportunities in advanced manufacturing. Overall, the bootcamp served as a stepping stone for participants to engage in research, innovation, and entrepreneurial ventures in this rapidly evolving domain.

