Learning Objectives

- To foster the growth of aspiring entrepreneurship (Men and Women) representing different sections of society, including SC, ST, Women and individuals with physical disabilities, in the field of 3D printing.
- To provide a platform for interaction with the notable professionals, entrepreneurs, and industry personnels of 3D Printing.
- To deliver basic entrepreneurship training coupled with technical training of 3D Printing to the entrepreneurs.
- To enhance technical competencies and upgrade the existing skills of 3D Printing among the aspiring entrepreneurs.
- To assist young entrepreneurs in translating their innovative ideas for product development with the basic and advanced 3D Printing technology.

Course Contents

- Technical sessions covering fundamentals of 3D Printing and its application in diverse fields.
- Hands on training on 3D modelling, product design and development using 3D Printing.
- Hands on training on various 3D Printers (Filament based, Resin based, solvent based Printing) and reverse engineering.
- Statup strategy and business development on product innovation using 3D Printing.

Organizing Committee

Patron

Prof. K. Umamaheshwar Rao
(Hon. Director, NIT Rourkela)

Co-Patron

Prof. Saroj Kumar Patel
Head and Professor
Department of Mechanical Engineering,
NIT Rourkela

Chairman

Prof. Subrat Kumar Panda,
President,
Foundation for Technology and Business Incubation (FTBI),
NIT Rourkela

Convenor

Dr. Rudranarayan Kandi,
Assistant Professor,
Department of Mechanical Engineering,
NIT Rourkela

Organizing Secretary

Mr. Chiranjibi Samal,
Chief executive officer (CEO),
Foundation for Technology and Business Incubation (FTBI)
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Advanced Entrepreneurship and Skill Development Training Programme (A-ESDP)

on

Empowering Innovation: A Training Program on 3D Printing for Aspiring Technologists and Entrepreneurs

02nd -06th February 2026
(Offline Mode)

Organized By
Foundation for Technology and Business Incubation (FTBI),
NIT Rourkela
In Collaboration With
Department of Mechanical Engineering,
NIT Rourkela
Sponsored Under
Entrepreneurship and Skill Development Training Programme (ESDP) scheme

MICRO, SMALL & MEDIUM ENTERPRISES
सूक्ष्म, लघु एवं मध्यम उद्यम
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Ministry of MSME, Govt. of India

About Institute

National Institute of Technology (NIT) Rourkela is an institution of national importance funded by Ministry of Human Resource Development. It is one of the premier national level institutions for technical education in the country. The main objective of the institute is to produce quality engineers and scientists in graduate, post-graduate and doctoral levels in various branches of Engineering and Science.

34 NIRF Overall	13 NIRF Engineering	30 NIRF Research	317-78 QS Asia

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About the Foundation for Technology and Business Incubation (FTBI),

FTBI NIT Rourkela, a section 8 Not-for-Profit Company housed under the A. P. J Abdul Kalam Innovation Centre at NIT Rourkela, is a key initiative dedicated to fostering innovation, promoting entrepreneurship, and bridging the gap between academia and industry. Supported by the Department of Science and Technology (DST), Government of India, along with MCL, GAIL, RSP-SAIL, MeitY, Starup India, Startup Odisha, and others, FTBI plays a crucial role in nurturing startups and emerging businesses. Its Skill Development Cell conducts training programs across multiple domains, covering soft and hardware skills, further strengthening the entrepreneurial ecosystem.

About the Department

Mechanical engineering in National Institute of Technology Rourkela covers a host of subjects: properties of materials, structural design, material processing, manufacturing, heat engines, refrigeration and air conditioning, industrial management, robotics and much more. The Department is known for research in most of these fields. The main foci of research are on manufacturing, 3D Printing, mechanical vibration, robotics, CAD/CAM, Metal forming, CFD, Industrial refrigeration and Cryogenics. The major sponsors are BRNS, DST, ISRO, DRDO and Lechier India Private Limited.

About the A- ESDP under MSME

The objective of the programme is to motivate young persons (Men and Women) representing different sections of the society including SC/ST women, physically handicapped, Ex- servicemen, and BPL persons to consider self-employment or entrepreneurship as one of the career options. The ultimate objective is to promote new enterprises, build capacity of existing MSMEs and inculcate entrepreneurial culture in the country..

Eligibility

Applications are invited from MSMEs and academia (**Including research scholars, postgraduates, faculty, scientific officers from various institutions).**

Important details

- **Registration fee:**
  - **Rs. 1000/-** for entire workshop.
  - No registration fee for SC, ST, Women, Ex-Service persons of Defence foces, Differently abled and BPL category persons.
- Travel allowance upto sleeper train jounery/bus fare will be reimbursed.
- Shared accomodation will be provided.
- **Only 20 candidates** will be selected on the basic their CV and area of interest.
- Preference will be given to the applicantss from SC, ST, Women, Ex-Service persons of Defence foces, Differently abled and BPL category persons.
- Certificate of participation would be issued to all participants.

Venue Details

TI-120, First Floor, FTBI,
A P J Abdul kalam Centre for Innovation, National Institute of Technology, Rourkela, Sundergarh, Odisha-769008

Registration

Click Here / Scan the QR code to register.

Last date of registration: 10.01.2026

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