

3rd Industrial Expert Lecture on “Report on **Medical Device Entrepreneurship and Its Experiential Approach**” in Department of Biotechnology NIT Raipur.

By

Dr. Prasoon Kumar, Assistant Professor, Biotechnology and Medical Engineering, NIT Rourkela, and Founder of IOTA Diagnostics Pvt. Ltd.

Lecture mode: Online (*Date: 05.02.2025, Time: 2:30 PM onwards*)

Key Points:

1. Introduction to Medical Device Entrepreneurship:

Dr. Prasoon Kumar provided an overview of the medical device industry, highlighting its rapid growth and the need for innovation in diagnostics and healthcare technology. He emphasized the role of entrepreneurship in addressing medical challenges through cutting-edge solutions.

2. Experiential Approach to Entrepreneurship:

Dr. Prasoon Kumar shared his entrepreneurial journey with IOTA Diagnostics Pvt. Ltd., detailing real-world challenges and strategies to overcome them. He highlighted the importance of resilience, adaptability, and industry knowledge in building a successful biotech startup.

3. Product Development Lifecycle:

The lecture covered key stages of medical device development, from ideation to prototyping and validation. Dr. Prasoon Kumar explained clinical considerations, regulatory compliance, and the importance of user feedback in refining medical technology products.

4. Regulatory and Market Considerations:

Dr. Prasoon Kumar discussed global and regional regulatory frameworks governing medical devices. He explained the commercialization process, market entry strategies, and the significance of obtaining necessary approvals for product launch and distribution.

5. Challenges and Future Prospects:

The session concluded with insights into current industry challenges, including funding, compliance, and technological advancements. Dr. Prasoon Kumar explored future



 MSME-SCIP Programme





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National Institute of Technology, Raipur, Chhattisgarh, India
Industry Institute Collaboration Cell (IICC), Department of Biotechnology


Wednesday, 5th
February 2025


02:30 PM – 03.30 PM


Venue:-
Computer Lab
Department of Biotechnology
First Floor
Google meet link:
meet.google.com/zog-afgb-qix

Industry Expert Lecture
on
the Title:
**"MEDICAL DEVICE
ENTREPRENEURSHIP AND ITS
EXPERIENTIAL APPROACH"**
under the
IICC, Viksit Bharat 2047,
and
MSME-SCIP Program


Dr Prasoon Kumar
Assistant Professor, Biotechnology and
Medical Engineering, NIT Rourkela and
founder of Start-Up company IOTA
diagnostics Pvt. Ltd.

opportunities in AI-driven diagnostics, wearable medical devices, and personalized healthcare solutions, emphasizing the need for continuous innovation in the field.

