



**BHARATI VIDYAPEETH COLLEGE OF ENGINEERING,  
NAVI MUMBAI**

# REPORT

**Faculty Development Program on**

**“DESIGN THINKING, INNOVATION  
AND IPR”**

**Organized By**

**Department of Mechanical Engineering**

Bharati Vidyapeeth College of Engineering, Sector-7, C.B.D., Belpada, Navi Mumbai

Phone: (022) 27572140,27571074

### Session – I Innovation in project

The innovation in technology is highly benefited in solving societal and industrial problems but this session will help you to figure out how it will benefit to you.

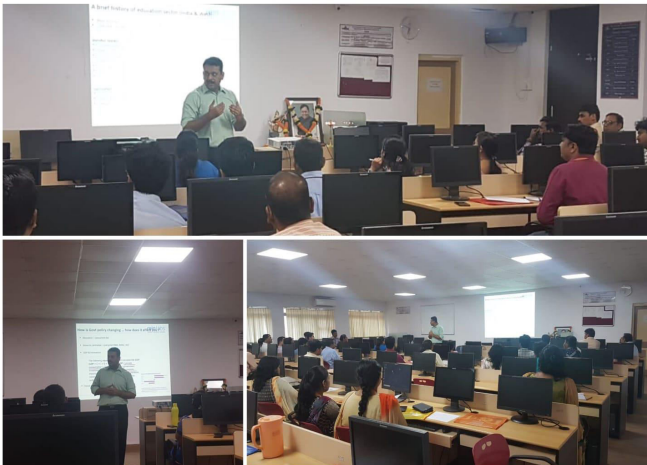
#### Expected Outcome:

The faculties participating in this FDP will be able to guide the students for finding and developing innovative ideas



**Mr. Saurabh Sinha**  
Co-Founder of REIN Labs

Saurabh is Co-Founder of REIN Labs and he is passionate about rekindling the spirit of Innovation in people to enable them solve social challenges. Through REIN Labs, he is focused on partnering individuals and organizations in their Research, Innovation and Incubation pursuits. To foster an environment of innovation and research at an early age in children, they are partnering a network of colleges in Navi Mumbai to run their incubation cells with a focused syllabus.



### Session – II Visit to Centre for Incubation and Business Acceleration (CIBA): Purpose of Visit:

To get the information about government schemes and supports for educational projects and learn the strategies to convert innovative ideas into a successful project.

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**Mr. Prasad Menon**  
Chief Executive Officer,

#### About CIBA:

- It is a Technology Business Incubator catalyzed and supported by Department of Science & Technology under the Startup India Action Plan.
- CIBA is committed to growing a collaborative entrepreneurial network by providing a one-stop support system for start-ups and transforming Mumbai as a hub for innovation.



### Session – III

#### Design Thinking

Design thinking refers to the cognitive, strategic and practical processes by which design concepts are developed by designers. It provides a solution-based approach to solving problems.

#### Expected Outcome:

The faculties participating in this FDP will be able to guide the students for finding and developing innovative ideas



**Mr. Amit Kundal**  
*Dean at ISDI Mumbai*

Mr. Amit is working as associate dean (Research and Innovation) and Program Director of PG Design and Innovation at ISDI. He is graduate from National Institute of Fashion Technology and post graduate from IIT, Kanpur. His Ph.D. at IIT Kanpur delves into how Design Thinking can help to solve Socio-Technical issues prevalent in a country like India. He has laid him to be engaged as a Design Mentor and Educator for design courses at institutes such IIT Kanpur, IIT Gandhinagar, ISB, IIM Lucknow, Aalto University etc.



### Session – IV

#### Ideation and brainstorming

Ideation is the most exciting stage in a Design Thinking project, its aim is to generate a large quantity of ideas that potentially inspire newer, better ideas which the team can then filter and narrow down into the best, most practical, or most innovative ones.

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**Dr. Harshita Kumar**  
*Faculty advisor, IBS Mumbai*

Dr. Harshita Kumar works as the faculty advisor for “Corporate connect club” in IBS Mumbai. Dr. Harshita along with her teaching assignment is very much passionate towards counseling and guiding students for better career prospects. She is actively involved in “Beyond Class room Initiative”. She has holds a Master's degree in Management and doctoral work in Public Relation field in the year 2013.



## Session – V

### Technical Proposal writing

For research projects, various government and nongovernment funding agencies provide funds to recover expenses in projects. This session will give information about these funding agencies and guidelines to write technical proposal for funding.

#### Expected Outcome:

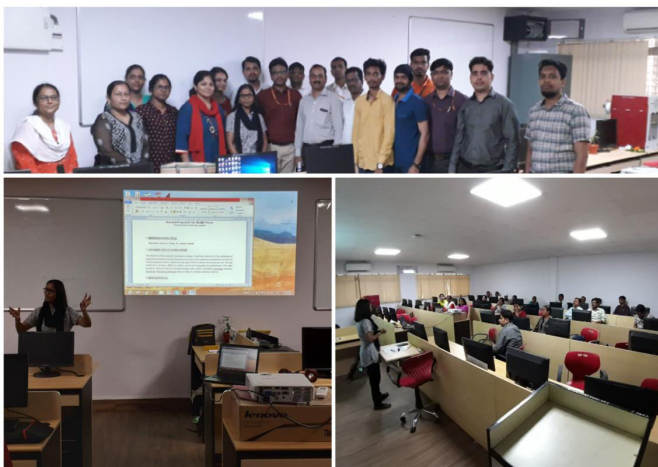
The faculties participating in this FDP will be able to improve quality of projects and solve societal and industrial problems.



**Dr. Sushama Wagh**

*Associate Professor, VJTI,  
Mumbai*

Dr Sushma wagh is working as associate professor in VJTI, Mumbai. She had completed her graduation from Walchand College of Engineering, Sangli and masters from VJTI, Mumbai. She had completed her doctorate from The University of Western Australia, Perth, Australia in 2012. She had 21 years of Teaching experience. She was visiting Research Faculty at the Tufts University, Boston, Massachusetts, USA in 2015-16. She has active involvement in coordinating various international collaborations/scholarships.



## Session – VI

### Technical writing

Technical writing is writing or drafting of technical communication used in technical fields. The purpose of this session is to write a research work in an accurate and ethical manner and improve technical writing skill like thesis writing, writing for publication etc.

#### Expected Outcome:

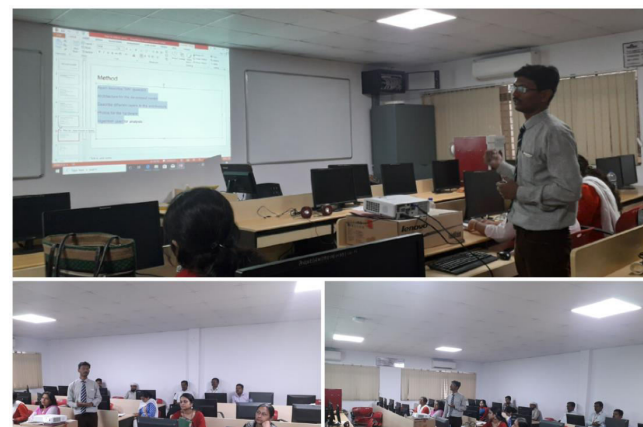
The faculties participating in this FDP will be able to improve quality of projects and solve societal and industrial problems.



**Dr. Kushal Badgujar**

*PhD*

Dr. K. D. Badgujar had worked as project Engineer at IIT Bombay. He had derived numerical solution of Burgers-Huxley equation and implemented for various cases. He completed his Post Doctorate from Nuclear Physics Division and Reactor Engineering Division of BARC.



## Session – VII & VIII Patent Documentation & Filing

The principle objective of this session is to develop among technocrats greater awareness about the patent law in India and It also helps how to protect your work by using intellectual property rights. It gives detailed information about patent drafting and publishing procedures.

### Expected Outcome:

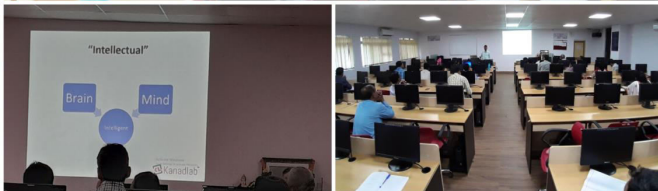
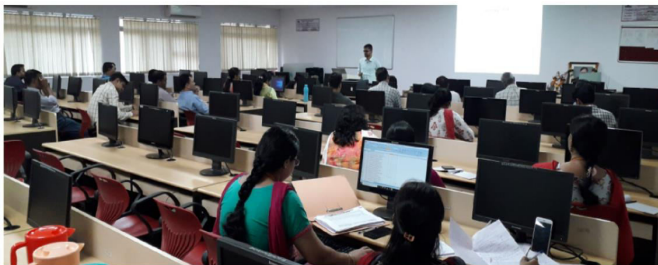
The faculties participating in this FDP will be able get knowledge of how to protect our technical work and guide the students regarding intellectual property rights



**Mr. Abhijit K. Bhand**  
Founder & CEO, Kanadlab

Kanadlab Institute of Intellectual Property & Research is an intellectual property firm working for providing IP trainings and support. This firm provides Works in the sector of Patents, Trademarks, Industrial Designs, Copyrights and IP Management.

- 200+ Patents Drafted– & Filed
- 250+ Training Programs Conducted,
- 300+ Startup & Business IP Consultations
- 300+ Startup & Business IP Consultations
- 300+ Trademarks, Designs & Copyrights Registrations



## Session – IX

### Innovative projects & funding options

There are many non-government funding agencies are ready to give research funding for innovative projects. This session covers brief information about some funding agencies and criteria's for selection for grand

### Expected Outcome:

The faculties participating in this FDP will get information about various for innovative projects and guide students about research funding



**Mr. Nagendra Singh**

Mr. Singh has worked as Senior Quality Professional with 20 years' experience. He has very good industrial experience. He worked as director for Testing in Perpetualgravity Labs Pvt Ltd. He has worked with Tata Consultancy Services (TCS) as Associate Consultant. He was Program Manager, Q Infosys Limited . He is certified Project Management Professional with PMI.



## Session – X

### Research to reality: Innovative Learning

Research is, any creative systematic activity undertaken in order to increase the stock of knowledge but converting this knowledge into reality is very crucial task. This session helps to convert research to reality and develop innovative learning technique.

#### Expected Outcome:

The faculties participating in this FDP will learn about innovative learning technique which will increase interference of students in study



**Mr. Vishal Samal**

Vice President Outreach,  
ISDI

Vishal Samal is an educator by profession with 18 years of experience in training & education industry. He has pursued his Masters in Marketing from Mumbai University. He is currently designated as Vice President Outreach with ISDI School of Design & Innovation. His Core area of strength are generating business & people management with major focus on Business Continuity Planning, Knowledge Enhancement and Quality Improvement. His expertise's are in the area like Outreach, Placement & Corporate Relationship.



## Certificate Distribution Ceremony

