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HONOURABLE VICE CHANCELLOR, RTU KOTA

PATRON

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FOUNDER DIRECTOR
TECHNO INDIA NJR INST. OF TECHNOLOGY, UDAIPUR (RAJ.)

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RTU EVENT COORDINATOR

PROF. (DR.) S.S. GODARA
RTU , KOTA

CONVENOR

PROF. (DR.) PANKAJ K PORWAL
MR. AADITYA MAHESHWARI

WORKSHOP COMMITTEE

PROF. (DR.) PRASUN CHAKRABARTI
DR. VIVEK JAIN
MR. LOKESH MALVIYA
MR. GAURAV KUMAWAT
MR. RAJ KUMAR SONI

ELIGIBILITY

THIS WORKSHOP IS OPEN TO ALL THE FACULTYS / STUDENTS OF AICTE APPROVED INSTITUTES, RESEARCH SCHOLARS, AND PERSONS WORKING IN R&D ORGANIZATIONS OR INDUSTRY. NUMBER OF PARTICIPANTS FOR FDP IS LIMITED . ALL THE SESSIONS WILL BE CONDUCTED ONLINE ONLY.

REGISTRATION

THERE IS NO REGISTRATION FEE FOR FACULTY / STUDENTS FROM AICTE APPROVED INSTITUTES, PARTICIPANTS FROM INDUSTRY, AND REASERCH SCHOLARS.

NOTE : SUBMIT THE REGISTRATION GOOGLE FORM THROUGH ONLINE PROCESS VIA SCAN QR CODE OR LINK.

https://forms.gle/YG351HS2Mf3tEG8n9

IMPORTANT DATES

LAST DATE OF RECEIPT OF APPLICATION : 13 DEC,

HOST INSTITUTE COORDINATOR

PROF. (DR.) JITENDRA SHRIMALI
MR. YOGENDRA SINGH SOLANKI
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MS. KUNJPREET KAUR

TEQIP III SPONSORED WORKSHOP ON

Design Thinking for Innovation and Ideation

(14 TO 18 DECEMBER 2020)
(ORGANIZED BY)

RAJASTHAN TECHNICAL UNIVERSITY
&
TECHNO INDIA NJR INST. OF TECHNOLOGY

TECHNO INDIA NJR INST. OF TECHNOLOGY, UDAIPUR (RAJ.)

PLOT–SPL–T, BHAMASHAH (RIICO) INDUSTRIAL AREA, KALADWAS, UDAIPUR 313003 (RAJASTHAN) INDIA
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To Join WhatsApp Group
https://chat.whatsapp.com/Cg3NA9CoreKDMupfRsAOgd

ABOUT US

TEQIP III

The project, third phase of technical education quality improvement programme (referred to as TEQIP-III) is fully integrated with the twelfth five - year plan objectives for technical education as a key component for improving the quality of engineering education in existing institutions with a special consideration for low income states and special category states and to support and strengthen few affiliated technical universities to improve their policy, academic and resreach practices.

RAJASTHAN TECHNICAL UNIVERSITY

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan . It was established in 2006 by the government of Rajasthan to enhance the technical education in the state. More than 2.5 lacs students study in various institutes affiliated to the University. The University aims to provide quality technical education which may help Rajasthan in it's technical development and will boost technical environment in the country.

TECHNO INDIA NJR

Techno NJR is a fast growing engineering institution established in 2008 to impart high level engineering education to the students of Rajasthan with following vision
• To run professionally managed educational institutes to make difference in the lives of students and faculty
• To pursue excellence in teaching & research
• To follow best practices and provide transparency in Governance
• To follow fair and just admission process based purely on merit so as to provide access to good education for all sections of society.
• To create world class infrastructure in the Institution

ABOUT WORKSHOP

The fundamental of Design Thinking is a five-day experiential learning workshop which brings core elements of the innovation through Design Thinking methodology while working on collaborative team projects on real world pressing issues. In a multi-disciplinary team, you will work through a complete innovation project. You will develop a strong understanding of the basic concepts of Design Thinking and learn how to use your newly-found knowledge in your teaching and professional career. Design Thinking is used by world's leading MNCs such as Apple, Samsung, Google, PepsiCo and unicorn startups like AirBnB, Uber, Oyo as well as it is being taught by leading universities worldwide such as d.school at Stanford, Harvard, MIT as well our IITs and leading universities, to name a few.

SCHEDULE OF WORKSHOP

DAY-1

Session 1 (14:00 - 15:30): Demystifying Design Thinking (DT) – By Mr. Karmjitsinh Bihola
• Introduction of Design Thinking: WHY, WHAT and HOW
• Design Thinking as a Structured Approach for Innovation & Entrepreneurship
• Design Thinking (DT) as a Mindset, Process, Tools & Techniques
• Case studies based Interactive discussions
• Application of DT in real life situation – Success Stories
• Its importance, Socio-Economic Relevance

Session 2 (15:45 - 17:15): Challenge Brief & Team Building – By Mr. Karmjitsinh Bihola
Icebreaking to foster creativity & Innovation, Team building Introduction of real-world challenge (Participants may choose their problems as challenge)

DAY-2

Session 3 (14:00 - 15:30): Importance of Design Research – By Mr. Karmjitsinh Bihola
• Research types and selection of apt method
• Stakeholder mapping & User Study plan

Session 4 (15:45 - 17:15): Observation & Empathy Phase of DT - By Mr. Prabhu
• Observation: Importance, How, Where, What to Observe, Field work tips
• Tools and techniques of Observation: AEIOU, Beginners Mindset, Power of 10, Benchmarking etc.

Empathy Phase of DT
• Understanding User & their needs
• Tools & techniques of Empathy: 5W & H, Laddering technique, Empathy Map

DAY-3

Session 5 (14:00 - 15:30): Research Mapping - By Mr. Karmjitsinh Bihola
• Data filtration
• Research findings and observation data mapping to make sense out of it – Mind
• Mapping

Session 6 (15:45 - 17:15) : Opportunity Scenario & Define the problem/possibility - By Ms. Sushmita Sharma
• Storytelling, Convergence on research data Define problem statement with 8 step process
• Problem Articulation Framework

DAY-4

Session 7 (14:00 - 15:30): Ideation & Conceptualization - By Mr. Karmjitsinh Bihola
• Idea Generation, Tools to Ideate
• Importance of Intellectual Property Rights & Prior Art Search for ideas
• Screening of Ideas: using tools and various criteria framework
• Product and User Experience Goals

Session 8 (15:45 - 17:15): Innovation & Design methods in Loop Heat Pipe – By Dr. Tikendra Nath Verma
Session 9 (17:30 - 19:00): Product Realization/Development – By Ms. Sushmita Sharma
• Form, Feature, Function, Revalidation
• Design implication and Product positioning
• Developing Sustainable Design Solution
• Benchmarking & Design Usability study for improving existing products

DAY-5

Session 10: Prototype & Test - By Mr. Karmjitsinh Bihola
• Ways for prototyping, build quick and dirty mock-ups
• Test the concept with your real user (or with other teams in workshop) in real
• environment for feedback
• Refine the prototype

Session 11: Recent trends in Innovation for Renewable Energy – By Dr. Tikendra Nath Verma
Valedictory and University/Institute Remarks