Fr. Conceicao Rodrigues College of Engineering

Schedule

STTP on

Research Areas in Technologies for Societal and Rural Development

December 21, 2020 - January 01, 2021

Date	Time	Topic	Resource Person
21/12/2020	11:00 -12:00	Inauguration and Key-note '*Social Innovation: Need, Create and Evolve'*.	**Ms. Gaytri Thakoor,** *Educationist, Strategist & Mentor* TCTD, IIT Bombay, IGNOU
	12.00 – 1:00 pm	Smart Farming	**Prof. T. Kundu** (Dept of Physics) Dean SA IIT-Bombay
	4:00 – 6:00 pm	Innovation in product design for rural issues	**Mr. Milind Thatte** Member at Tribal Advisory Council, Maharashtra State
22/12/2020	10:00-10:30 am	Presentation by participants as per the allotted topic (One/two members from team will present – 3 min presentation)	**Mr. Neeleshkumar Pandit** Project Manager, IIT-Bombay.
	10:30 am-1:00 pm	Rural Project Identification and setting the project objective	
	4:00 -7:00 pm	Challenges in product Design	**Dr. Sunil K. Surve,** Professor and Dean, Academics, Fr. CRCE
23/12/2020	11:00am - 1:00 pm	Rural Electrification	**Dr. Ravi Deshmukh** Director,PPS energy solutions
	4:00 -7:00 pm	Government schemes for Rural Health ,Technology for Scheme Implementation Benefits due to Technology with case studies	Team of Doctors from Nirman, Gadchiroli Lead by **Dr. Mayur Bhanarkar**

24/12/2020	10:00-10:30 pm	Team Presentations based on topic taught in previous session (One/two members from team will present – 3 min presentation)	**Mr. Neeleshkumar Pandit**
	10:30-1:00 pm	Addressing the challenges in product development	
	4:00 – 5:00 pm	Optimal Irrigation using Wireless Network Solution	**Dr. Jobish John** (PhD-IIT-Bombay), Post- Doctorate Researcher at University College Cork, Ireland
	5:15 pm – 7:00 pm	Questionnaire design and Mobile-based Data Collection	**Mr. Yatin Diwakar** Research Scholar, CTARA, IIT-Bombay
26/12/2020	11:00 am – 1:00 pm	Planning strategies for sustainable Rural development	**Dr. Sushma Kulkarni Prof. Shridhar Kumbhar**
	4:00 – 6:00 pm	Solar Photovoltaic Cells and Energy Generation	**Dr. Sanchit Khatavkar** (PhD-IIT-Bombay), Vellore Institute Technology, Tamilnadu
28/12/2020	10:00-10:30 am	Team Presentations	**Mr. Neeleshkumar Pandit**
	10:30 am – 11:30 pm	Project/ Product development stages	
	11:45 am – 1:15 pm	Augmenting research from 'Lab to market'	
	4:00 – 7:00 pm	IoT-based Sensors and system development for Agriculture applications: Approach to TRL 8/9 system development	**Dr. Vinay Palaparthy** (PhD-IIT-Bombay), Assistant Prof. DAIICT, Gandhinagar, Co-founder SoilSense
29/12/2020	10:00-11:00 am	Radiation Dosimeter for the agriculture industry and cancer therapy	**Dr. Ashwini Gajarushi**, (PhD-IIT-Bombay), Research Associate, IIT-
	11: 15 am - 1:15 pm	Fabrication of novel dosimeter based on 2-Dimensional nanomaterial Graphene FET	Bombay
	4:00 pm – 7:00 pm	Atomic Level Characterization of Graphene FET-based radiation sensor (AFM, KPFM, XPS, SEM, Electrical characterization)	**Dr. Ashwini Gajarushi** Research Associate IIT-Bombay

30/12/2020	10:00-11:00 am	Solar Power: The Green power	**Prof. Swapnali M.** Assistant Professor , Fr. CRCE
	11:00-12:30pm	Technology for Rural Development	**Prof. B. G. Fernandes** HoD Electrical, IIT-Bombay
	4:00-7:00 pm	Multilayer PCB Designing: Industrial approach	**Dr. Vinay Palaparthy** (PhD-IIT-Bombay), Assistant Prof. DAIICT, Gandhinagar, Co-founder SoilSense
31/12/2020	10:00 – 11:00	Final presentations by all teams, Group discussion (10 min presentation by each team)	**Mr. Neeleshkumar Pandit**
	11:15am – 1:15 pm	Grab It: Key perspectives in acquiring 'Research Funding'	
	4:00 – 5:30 pm	Monitoring and evaluation in development program	**Mr. Yatin Diwakar** Research Scholar, CTARA, IIT-Bombay
	5:45 – 7:00 pm	Use of Geographic Information System for agriculture water management	**Mr. Gopal Chavan** Research Scholar, CTARA, IIT-Bombay
01/01/2021	10:00 – 11:00 am	Product development considerations towards global safety certification requirements	**Mr. Shekhar Saraf** Assistant General Manager, TUV Rheinland India Pvt. Ltd.
	11:15 – 1:15 pm	3D Printing Technology and its Rural Applications	**Dr. Amol Morankar** Managing Director, Riva Labs Pvt. Ltd.
	2:00 -3:00	Concluding session and Feedback by the participants	**Dr. Satynarayanan Bheesette** TIFR, ViceChair, IEEE Bombay Section
	3:00-5:00	Valedictory Program and Test	**Chief Guest Dr. R.K.Shevgaonkar** Professor, IITB, Vice Chancellor, Bennett University