

Faculty Development Program in Scilab with – Spoken Tutorial, IIT Bombay

Techno India NJR Institute of Technology Udaipur has organized **4 days Faculty Development Program on Scilab** with Spoken Tutorial, IIT Bombay on **27-07-2020 to 31-07-2020**. IIT Bombay is leading the effort to popularize Scilab in India. This is part of the Free and Open-Source Software for Science and Engineering Education (FOSSEE) project, supported by the National Mission on Education through ICT of MHRD. 19 faculties have attended this FDP and cleared the assessment.

S No	Name
1)	Aditya Maheshwari
2)	Akhilesh Deep Arya
3)	Gaurav Kumawat
4)	Abhishek Sharma
5)	Chandraprakash Jain
6)	Himanshu Pandya
7)	Dr Jitendra Shreemali
8)	Kirti Dashora
9)	Lalit Yagnik
10)	Lokesh Malviya
11)	Lokeshpuri Goswami
12)	Nitin Kothari
13)	Pankaj Chittora
14)	Payal Paliwal
15)	Rajkumar Soni
16)	Shambhu Choubisa
17)	Dr Vivek Jain
18)	Dr Yasmin Ali
19)	Yogendra Singh Solanki

पंकज पौरवाल
TECHNO INDIA NJR INSTITUTE OF TECHNOLOGY



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This is to certify that **AKHILESH DEEP ARYA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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Prof. Kannan M Moudgalya
IIT Bombay



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This is to certify that **GAURAV KUMAWAT** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **AADITYA MAHESHWARI** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **ABHISHEK SHARMA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **CHANDRAPRAKASH JAIN** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **HIMANSHU PANDYA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **JITENDRA SHREEMALI** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **KIRTI DASHORA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **LALIT YAGNIK** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **LOKESH MALVIYA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **NITIN KOTHARI** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **PANKAJ CHITTORA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **PAYAL PALIWAL** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **RAJKUMAR SONI** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **SHAMBHU CHOUBISA** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **VIVEK JAIN** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **YASMIN ALI** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **YOGENDRA SINGH SOLANKI** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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This is to certify that **MUSTAQUE AHMED** has participated in **Faculty Development Programme** from **2020-07-27** to **2020-07-31** on **Scilab** organized by **Techno India NJR Institute of Technology** with course material provided by Spoken Tutorial Project, IIT Bombay.

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Prof. Kannan M Moudgalya
IIT Bombay



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NJR Knowledge Campus, Plot-SPL-T, Bhamashah (RIICO) Industrial Area, Kaladwas, Udaipur - 313003 (Raj.)
Tel. : +91 294 2650214-17 Fax : +91 294 2650218 Email : technonjr@gmail.com, director@technonjr.org

18-Sept-2018

To,

Prabhuling Zunja
Consultant Trainer
Manager – Production & Operations
Mahindra Vehicle Manufacturers

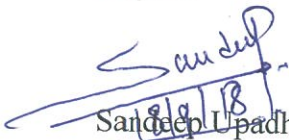
Subject: Regarding conducting a workshop on Design Thinking

While understanding the needs of upcoming industry and transforming students into well trained fully employable engineering graduates as part of our mission, we at Techno India NJR Institute of Technology would like to conduct the session about the various concepts & implementation prospects of Design Thinking (DT) for our students.

We believe that the necessary domain of Design Thinking for every corner of engineering will align to our Innovation & Entrepreneurial Ecosystem. As analytical & creative process, Design Thinking will nurture our students in opportunities to experiment, create prototype models & above all design.

We invite you to plan a Design Thinking Workshop at our college for our students from 20-Sept-2018 to 22-Sept-2018.

Regards


Sandeep Upadhyay
Head

Department of Computer Science & Engineering
+91-8696932745
sandeep.upadhyay@technonjr.org



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18-Sept-2018

To,

Karmjitsinh Bihola
Head of Department
Design Thinking & Innovation Department
Gujarat Technological University


Subject: Regarding conducting a workshop on Design Thinking

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We invite you to plan a Design Thinking Workshop at our college for our students from 20-Sept-2018 to 22-Sept-2018.

Regards


Sandeep Upadhyay
Head

Department of Computer Science & Engineering
+91-8696932745
sandeep.upadhyay@technonjr.org

Prabhuling Zunja

-Consultant Trainer

My unique and uber cool but great enthusiasm and energy kind of personality for sharing what I have, made me to be a successful trainer. A day in-day out interaction with the diverse categories of people and work culture during working in operation field made me an outgoing and amiable person.

My passion is to Train, Counsel and Coach People. A Motivational speaker, Trainer and Life coach by choice. Conducts training for students, business professionals and for upliftment of society.

My strengths lie in personal involvement with the participants so as bring out the best in them. My unique style is to conduct the program in a non-conventional way, making it a different and joyful experience for the participants. I believe in using live experiences and metaphors, real life examples and case studies along with a highly interactive session with presentation.

I like to be with people and deal with people, and I lay great importance on motivating people to use their full potential, supporting them to perform better in all aspects of life.

Competencies

- **Conducting training – Classroom/Facilitator led Program**
- **Conduct Outbound Training**
- **Conduct TNA**
- **Content Development**

Career Progression & Accomplishments:

- **Conducted classroom trainings and workshops for corporate on modules like-Design Thinking, Presentation skills, Train The Trainer, Time management, Team building & Synergy, Interpersonal skills, Business etiquettes, Stress Management and motivation, Personal Effectiveness, Customer Focus, College to Corporate, Dream building and Goal setting and many more.**
- **Conducted over 100+ programs and trained more than 2000+ participants.**
- **Align training program keeping in mind clients-vision and mission & work ethics.**
- **Use the latest tools and technique to ensure participants maximum retention-Story telling, activities, role-plays and facilitation etc.**
- **Conducted trainings for corporates to name few- Bajaj Auto Ltd, M&M etc., PCCOE, Solapur University, MIT, Pune management association, Solapur Mechanic Association etc.**

Prabhuling Zunja

-Consultant Trainer

Previous work experience (2001-2018)

- Manager in Production and operations at M/S Mahindra Vehicle Manufacturers Ltd (28 Sept. 2010 to 2018)
- Looking after E&T, L&D activities and skill development as additional responsibilities.
- Assistant manager in GM, Pune in operations and production during 2010
- Officer in Tata Motors, Pune in operations and production during 2008-2010
- Engineer in Bajaj Auto Ltd, in production department during 2001-2008

Education and Credentials

- International Certified Trainer by Sequel and ITOL, UK. in 2017.
- Advanced diploma in L&D from Sequel and ITOL, UK. in 2018.
- Post-Graduation in Business Management from Symbiosis in 2017.
- Diploma in Mechanical Engineering from Govt. Polytechnic, Solapur in 2001

Interests:

- Reading books, spiritual Enlightenment – with Raj yoga Meditation Practitioner, travelling and observing people and culture

PERSONAL DETAILS

Date of Birth : 17th May 1983
Marital Status : Married
Languages Known : English, Hindi, Marathi, and Kannada.
Base Location : Pune.

Prabhuling Zunja

Prof. Karmjitsinh Bihola

MS (Product Design-USA), B.E (Mechanical)
Assistant Professor,
PG Research Centre for Industrial Design
(Open Design School),
Gujarat Technological University,
Ahmedabad, Gujarat.

M:+91 9099090464

E-mail: ap_karmjitsinh@gtu.edu.in



Profile: Mr. Bihola is a Design Thinker at mindset and an Entrepreneur at heart, having master degree in Mechanical Engineering with specialization in Product Design from Stevens Institute of Technology, New Jersey, USA with specialization in Product Design. Prof. Bihola is appointed as an Assistant Professor in PG Research Centre for Industrial Design (Open Design School) at Gujarat Technological University, Ahmedabad, Gujarat since October 2014. Since then, he works as an evangelist to develop, implement and spread the awareness about the concept of Design Thinking in the engineering colleges affiliated to Gujarat Technical University (GTU), Ahmedabad.

He created the Design Spine, workshop modules and evaluation system from 3rd to 6th semester across engineering at bachelor level for "Design Engineering" subject at GTU, India. This subject is based on Design Thinking methodology and introduced by University in all branches of Engineering. Every year, approx. 100K students are enrolling for this course in GTU. He has been training faculty members for Design Thinking from Basic to Advance level and till date trained 3500+ faculty members of engineering through 47 Faculty Development Program (FDP) of four days each. Apart from FDPs, he has been organized and mentored various workshops like Design Weekend for students, Design Clinic for Industry, Summer & Winter School (Rigorous 3-4 weeks residential program to imbibe Design Thinking methodology), Hack-a-thons, Design Demo Day, Bootcamps, Design Sprint events, Design Thinking seminars for Students/Start-ups/Faculty members/Industry peoples and Government officials.

Recently on 2nd November 2017, he signed a MoU with Limkokwing University of Creative Technology, Malaysia for Design, Innovation and Entrepreneurship on behalf of GTU. Also, participated as Director for India Chapter of APEN (Asia Professional Education Network) during the 7th Board of Director's meeting of APEN at National University of LAOS (NUOL), Vientiane, Laos on 31st October, 2017 and given seminar on Academia-Industry Collaboration.

Deft in Design Thinking (DT) process to create most creative and innovative solutions with hands on experience in DT tools like Empathy Map, various Observation tools, Customer Journey Mapping, Opportunity Mapping, Card Slot, Analogy Thinking, Lateral Thinking, Divergent Thinking, Decision Matrix, Business Model Canvas and many more.

Created the process for Innovation Value Chain for converting Idea into Useful

Product/Start-up through Industrial Shodh Yatra for final year capstone projects. Also capable of mentoring multidisciplinary projects to convert them into successful start-ups through design strategy, business model, intellectual property and prepare them for pitching to get financial support.

His research paper in Design Thinking area titled "Infusing Design Thinking Mindset in Engineering Education- A pioneering step towards excellence and sustainability" was published by Springer in reputed conference "ICoRD 2017". For ICoRD 2019 also, his paper on "Design Thinking - An enabler to Employment and Employability for Engineering Students of Gujarat, India" is selected.

Areas of interest include Human Centered Design (Design Thinking), Design Research, Innovation and Entrepreneurship, System Thinking, Biomimicry, Product Design & Development (R & D), CAD/CAM/CAE, Green and Sustainable Design. Experienced to handle Mechanical Engineering subjects like Computer Integrated Manufacturing and Designing, Industrial Engineering, Design for Manufacturability & Assembly (DFMA)

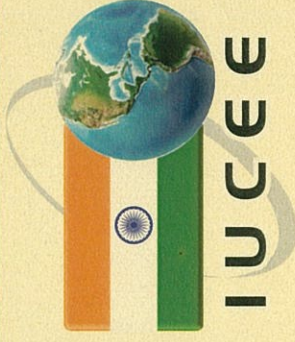
Capable of conceptualizing and developing strategic product/solutions through user/market needs, competitive analysis, system thinking, customer engagement and business planning.

Along with Design Engineering implementation, he is also working in supporting academic projects under SSIP (Student Start-up & Innovation Policy) of GoG for Idea to Prototype and then convert them into useful marketable product through conceptualization, product design & development, prototyping and user testing.

He is also involved in setting up Design Innovation Centre (Hub & Spoke model) at GTU, granted by MHRD to build an innovative and design lead ecosystem for students, faculty members, researchers, start-ups and industry in Gujarat region. DIC will help stakeholders in developing products from Ideas with professional support, consulting work for industry and government, capacity building in the area of Design and Innovation.

A keen planner, resourceful analyst with excellent communication and problem solving skills.

Experience: He is having 5.3 years of experience in academic focusing on curriculum development of Human Centered Design through continuous interaction with the industries and 1 year of industrial experience as Mechanical Design Engineer.



Indo Universal Collaboration
for Engineering Education



2018-19 IUCEE COLLEGE CONSORTIUM MEMBER

Techno India NJR Institute of Technology

Udaipur, Rajasthan, India

*Committed to the Improvement of the Quality and Global Relevance
of Engineering Education for a Better World
Partner with University of Massachusetts Lowell, USA
Member of Indo US Collaboration for Engineering Education (IUCEE)
Member of International Federation for Engineering Education (IFEEES)*

Executive Director
IUCEE

Brief Report on Learnings from ICTIEE 2019 and Follow up Plan at Techno NJR

By Dr. Pankaj Kumar Porwal

Principal, Techno India NJR Institute of Technology, Udaipur

The ideas and concepts learnt during the ICTIEE 2019 have helped me immensely in streamlining my thinking and functioning as the principal of Techno India NJR Institute of Technology, Udaipur. Interaction with other participants was also fruitful. The participation has given me a broader understanding of challenges and opportunities in the field of engineering education and has also given some specific directions to pursue to overcome these challenges successfully. Following is a brief summary of my specific learning from various sessions attended during ICTIEE 2019 and areas of further action at Techno NJR.

Technological Disruption (Mr. Hans Hoyer)

Engineering education and learners are evolving rapidly with exponential changes in technology. The emerging fields like Artificial Intelligence (AI), Internet of Things (IoT) have already started disrupting the world. Half of knowledge acquired by students in their first year in college is becoming outdated by the time they graduate from the college.

At the same time engineering education is becoming broader with growth of new disciplines. Human aspect is becoming as important as the technical aspects in engineering education. So there is a need to expand the definition of interdisciplinary to include social sciences as well.

In such fast changing scenario the biggest challenges an educator faces are

What to teach? – Jobs are not known

What to learn? –

In such scenario the most important skill an individual can learn is 'Learning to Learn'. And the best way to 'learn to learn' is by transposing the context in practice from Project in Industry to Project based learning in education. Recent reforms by AICTE like mandatory internships, open book exams are welcome steps in right direction.

Student Engagement

Despite all the technological revolutions various studies have found that the student engagement/motivation remains abysmally low during the class. Rather than sticking to traditional mean of engagements like, lecturing, hardcopy assignments, letters, emails; teachers will have to adopt to the means of communication that this generation of students are savvy with like, flipped classroom, social media, whatsapp, facebook, instagram.

Long Term Planning (Prof. Ashok Saxena)

Continuous Quality Improvement through Holistic OBE is way forward to meet the challenges posed by current times. Detailed strategic plans at the level of Institute, Program, and Course need to be made along with action plans and appropriate monitoring mechanism. A sense of priority in implementation along with patience (as the tangible result may take 5 to 10 years) is must to achieve these goals.

One thing that leadership of the institutes will have to understand is that curriculum, students, technology is there to change but the faculty and human resources are permanent. The best way to achieve results is (i) by having well articulated goals and (ii) through empowerment of faculty and staff.

Entrepreneurship (Prof Ranji Vaidyanathan, Prof. Mohan D Rao)

- Identify the problem you want to solve – entrepreneur never sells a product she solves a problem. The value proposition should be clear to entrepreneur.
- Customer – The most important part of entrepreneurship is to identify and convince the customer to buy your product. It does not matter how good your solution/product is if you cannot sell your product.
- Resources (Funds) – investors are interested in idea → Product and customers buying the product.

Role of IUCEE in meeting the Challenges (Prof. Krishna Vedula)

IUCEE provides a vibrant and dynamic ecosystem consisting of policy makers, representatives from industries, and educators. The important elements of this ecosystem are Teaching and Learning Centres, Engineering Education Research, IICEP Certifications. The important initiatives taken by IUCEE include, Engineering Project & Community Service, Grand Challenges Scholar Program, Virtual and Remote Labs, First Year Engineering Experience. To share the experiences and learning from year round activities, IUCEE organizes two major annual events - Leadership Summit and Conference.

Implementation Plan at Techno NJR

I plan to apply the learnings from the ICTIEE 2019 at Techno India NJR Institute of Technology, in following areas:

1. Additional co-curricular activities involving modern disruptive technologies like Artificial Intelligence, Internet of Things, Industry 4.0 will be organized in the institute.
2. Organize a workshop to make faculty members aware of the modern way to engage with students and motivate them.
3. Start work on strategic planning of the institute with action plan at Institute and Branch level
4. Focus more on entrepreneurship skill development of students.

IUCEE 2020 Consortium Member
INVOICE



July 27, 2020

To

The Director
Techno India NJR Institute of Technology
Udaipur
RJ, India

Sub: Invoice for Subscription to Membership of IUCEE Consortium

Thank you for deciding to renew “Techno India NJR Institute of Technology” once again as member of the IUCEE Consortium for 2020-21. The Subscription for the year is Rs. 75,000.

Please send Rs. 75,000 payment to:

Account Name: SOCIETY FOR COLLABORATION FOR TRAINING EMPLOYABLE
Account No : 0551387000000028
Bank Name: Lakshmi Vilas Bank
Account Type: Current
IFSC Code: LAVB0000551
Branch Address:
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Sincerely

A handwritten signature in black ink, appearing to read 'Krishna Vedula'.

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