

DIT University Event Report

SDG 17



The advancement of the society in this age is only possible with mutual cooperation, collaboration, extending help to each section of the society and sharing of resources. The efficiency of achieving the SDGs become more while working in collaboration than an individual. This is true whether it is applicable for a person or an organization or a country. Wastage of resources must be zero and at the same time abundant resources must be generously shared with those not having access. This mutual cooperation is the fundamental principle of sustainability with involvement and participation of all. UN SDG17 aims to revitalize the global partnership for sustainable development. In line with UN SDG principle DIT University firmly believes in collaboration be it in research or resource sharing or implementation of its work culture not only inclusive but exclusive of University premises. The supportive and flexible work culture of DIT University essentially lies on the proposition of trust-integrity, employee engagement-opportunities, respect-fairness.

DIT University Event Report

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Collaborative activities with NGOs

DIT University has established Educational collaboration with **Indo Universal Collaboration for Engineering Education (IUCEE)** for education reform and effective implementation of National Education Policy 2020. The collaboration aims to develop educational content on current research and trends, hands on training experiences in project based learning delivery, sustainable development goals like smart system, green initiatives, Gender equality. University nominated faculty members and students to actively participate in collaborative events and share the learning experiences among peer team members and colleagues thus to promote the effectiveness of the educational reform by co-learning.

DIT University Event Report

Annexures

Synergising Problem & Project Based Learning and Design Thinking as Envisioned in New Education Policy

“Be Wise to Synergise & Re-energise” – Dr. Deepak Waikar

The IUCEE Foundation PBL Cluster Team has cocreated and designed a special program for providing a framework on synergising and deploying Problem & Project Based Learning (P2BL) and Design Thinking (DT) in teaching.

Programme Objectives:

At the end of this specially designed **Master Class** programme participants should have:

- **Gained** insight into Learner Centric features of Problem & Project Based Learning (P2BL) and Design Thinking (DT) Andragogy.
- Become **catalysts** in providing enriching and authentic learning experience for learners.
- Devised group dynamics **strategies**.
- **Crafted** reflective process for enhancing creativity, innovations, and entrepreneurship.
- Learned to **leverage** on technology.
- **Synergised** strengths of P2BL and DT.
- **Drafted** Synergised P2BL-DT Plan

Who can benefit?

- Teachers & faculty members, researchers, Masters & PhD Students, education administrators, and anyone interested in synergising PBL & DT.

Program Outline:

The program has three modules; Core Module, Practicum Module, and Monitoring & Review Module arranged sequentially to prepare participants for systematically designing, drafting, and deploying synergised aspects of P2BL & DT in their teaching and curriculum.

In the core module, participants learn and apply synergised P2BL & DT concepts to prepare conceptual framework for the subjects/courses they are involved in teaching. This is followed by the Practicum module for infusing a set of micro & mini projects in specific subjects/courses.

Core Module: (10 hours)

Session	Topic	Remarks
1	Problem & Project Based Learning (P2BL): Challenges, Benefits & Applicability	To take stock of current practices & identify deficiencies in implementing andragogical aspects.
2	Key Features & Challenges of using Design Thinking (DT)	
3	Strategies for Synergising P2BL & DT	Participants to review, revise, and incorporate latest features in their proposals.
4	Infusion of P2BL & DT into respective subjects / modules	Participants to prepare Concept Design and Plan.
5	Presentations of Concept Design and Plan by Participants	Moderated by Dr. Deepak Waikar & Dr. B.K. Singh with Comments from Experts.

Practicum Module (6 hours):

Session	Topic	Remarks
1	Virtual Practicum in Respective Engineering Branches (Civil, Mechanical, Electrical & Electronics, Chemical)	These sessions are to be conducted in parallel &/or separately for the faculty members of respective branches.
2	Infusion of Practicum / Case Studies into respective subjects / modules / courses.	Participants to include identified and selected case studies/practical sessions in their concept design and plan prepared in Core Module.
3	Presentations of Revised / Updated Concept Design and Plan by Participants.	Moderated by Dr. Deepak Waikar & Dr. B.K. Singh with Comments & advice from domain Experts.

The participants are encouraged to apply knowledge and experience acquired in Core and Practicum modules in their teaching.

Monitoring & Review Module helps in providing participants guidelines, pro-actively tracking the progress, and understanding challenges in the deployment of the prepared teaching plan.

Monitoring & Review Module (6 hours):

Session	Topic	Remarks
1	Review of concept design and plan prepared for Core Module and Practicum Module.	Resource persons from Core Module to advise on implantation strategies on Core Module for a Group of faculty members.
2	Mid-term review of Infusion of Practicum / Case Studies into respective subjects / modules / courses	Resource Persons from Practicum Module to advise on practicum implementation strategies.
3	Post Implementation Review and Recommendations for the next cycle.	Moderated by Dr. Deepak Waikar & Dr. B.K. Singh with Comments & advice from Experts.

Notes:

- Final Programme schedule may vary depending on availability of experts and public holidays.
- Participants are expected to carry out research for their assignments and presentations on regular basis as per the guidelines.

Mode of Delivery:

Online / Virtual mode for Core Module & Practicum Module and Hybrid Mode for Monitoring & Review Module.

Proposed Dates:

Core Module: 26, 27, 28, 29 July and 1 August 2022 from 2.30 pm to 4.30 pm (IST)

Practicum Module: To be scheduled during the first week of August 2022

DIT University Coordinators:

Prof. B.K. Singh, Dean (Faculty Affairs)

Dr. Deepshikha Bhargava, Professor SoC

Program Advisers & Mentors:



Prof. Krishna Vedula,
Executive Director,
IUCEE Foundation



Er. Deepak Gadhia,
Chairman, Sunrise
CSP, India

Program Designer & Chief Facilitator:

Dr. Deepak L. Waikar (Managing Partner, EduEnergy, Singapore) has been involved in teaching, research & management for almost three decades. He started his professional career as an Assistant Director at the National Power Engineers Training Institute in India after his post-graduation from the Institute of Technology, Banaras Hindu University in India.



He has authored/co-authored book chapters, e-books, research articles, and policy papers on power, energy, management, and education related topics. He has served on various committees in **professional** bodies such as **Chairman** of the Institute of Electrical & Electronic Engineers (IEEE) Power & Energy Society (PES) Chapter, Singapore. He is a recipient of IEEE-PES **Outstanding Power Engineers' Award 2003**. Dr. Waikar has been associated with **Singapore Certified Energy Manager's** programme for more than a decade. He has also been invited as an external examiner for assessing Master and Doctoral Thesis.

Dr. Waikar has been invited as a member of the International Advisory Committee for Conferences, Seminars, and Symposiums. He has delivered invited presentations on power, energy, education, management & leadership related topics at the international conferences, seminars, and forums in North America, Europe, Australia,

New Zealand, and Asia. Dr. Waikar has conducted several student, faculty, and management development programmes on various topics such as Smart, Clean, and Green Energy, Designing & Managing Innovative Research projects, Strategies for Infusing Blended Learning, Rethinking Teaching and Learning, Problem/Project-based Learning, Design Thinking, Trainopreneurship, and Transforming Higher Education. He has also been offering advisory and consultancy services through EduEnergy, Singapore.

He has also been associated with the premier institutions, polytechnics, colleges, and academies in India and Singapore (British and Australian Universities offering courses in Singapore). Since July 2020, he is continuing to offer such programmes through online mode. Dr. Waikar is a Senior Member of IEEE USA, a Life Member of the Institution of Engineers, India, and a Member of Advisory Committee for IUCEE with **Ph.D.** from the National University of **Singapore**, **M.S.** from the University of Saskatchewan, **Canada**, **M.Tech.** from the Banaras Hindu University, **India** & **PD** Advanced Certificate in University Teaching from the University of Newcastle, **Australia**. He obtained PG-DBM from the **Nagpur** University & **B.E.** from the **Government Engineering College** Aurangabad in **India**, respectively. His interests include **Sustainable Energy Leadership** Development, **Re-thinking** Teaching, Learning & Academic **Leadership**, Re-inventing & **Transforming** Education, **Innovative Project Design** & Management, Restructuring & Redesigning of Curriculum, and Sustainable Development.

Co-Facilitator (Core Module)

Mr. Gaurav Kumar Kedia is Hosting Chairman post at Indian Biogas Association from November 2011. He holds Managing Director post at Arka BRENStech Pvt. Ltd. from December 2012. He is a guest faculty at Indian Institute of Management – Ahmedabad from January 2013. He is also member of the jury panel of MCIIE, IIT-BHU for the start-ups Since July 2017. He was Director at Excellent Renewable Pvt. Ltd., India from Apr 2009 – Oct 2011. He



was acting CEO of en-Tech Solutions Pvt. Ltd., Delhi, India from Oct 2008 – Mar 2009. He worked as an Advanced Process Control Technologist at Shell Oil GmbH, Cologne, Germany from Jan 2006 – Sep 2008 along with promoting green energy. He also worked as a scientific co-worker at “Institute of Thermodynamics and Thermal Process Engineering”, University of Stuttgart, Stuttgart from Jun 2003 – Dec 2005. He is a recipient of Global Green Award (Berlin, 2014) and Dr Shirin Gadhia Sustainability Award (Vadodara, 2015). He has presented research papers at the international conferences. He completed Master of Science (awarded in 2005), WASTE, Air Quality Control, Solid Waste and Wastewater Process Engineering, University of Stuttgart, Stuttgart, Germany and Bachelor of Technology (awarded in 2003), Chemical Engineering, Indian Institute of Technology - Banaras Hindu University (IIT-BHU), India.

Virtual Practicum Module:

Mechanical & Energy Engineering

Dr. Ajay Chandak has 31 years of academic experience and parallel experience in renewable energy and Sustainability, Training and mentoring researchers and entrepreneurs in sustainability. He completed Ph.D. in Solar/Mech., M.Tech from IIT Bombay, BE (COEP). He is a Certified Energy Auditor and Chartered Mechanical Engineer. He was consultant to United Nations HQ New York, and Ministry of New & Renewable Energy (UNDP-GEF project) for one year each. He also served as Director on board for “International Solar Energy Society “Freiburg, Germany for 2014 and 2015, Global Adviser for Solar Cookers International, USA. At present he is a “Governing Council” member for SESI (Solar Energy Society of India). He is a Winner of National Grand Challenge for solar cooker design by DST, Govt. of India Oct. 2019. He received Gold Prize at WINTEX 2018 in



Indonesia, ENCON, first award in individual category for 4 years and 'Certificate of Excellence in 2016' received from Government of Maharashtra. Other Awards are from Institute of Engineers, Solar Cookers Internationals, ICNEER etc. for credential work in renewable energy, Innovation awards from IITB Alumni association and also from Govt. of India. He has initiated more than 25 patents and commercialized different designs of solar cookers, solar concentrators, biogas plants, biomass stoves, float valve etc. He presented papers and projects at more than 40 conferences in Germany, USA, Spain, Oman, Nepal, Portugal, Netherlands & India He was Indian Team leader for the Vocational Trade team to Netherlands in 2014. He specialises in training and mentoring of entrepreneurs in renewable energy. He started organisation PRINCE (Promoters, Researchers and Innovators in New & Clean Energy). He organised many workshops (hands on training and classroom training) on "Entrepreneurship Opportunities in Renewable Energy". He is involved in ongoing prestigious development projects for "Oxford University U.K.", "Sun Buckets Inc USA", "CTARA IIT Bombay" along with a few indigenous projects.

Civil Engineering

Prof. B.K. Singh is working with DIT University as Professor in the department of Civil Engineering. In addition, he is holding the responsibilities of Dean, School of Engineering & Technology and Dean of Faculty Affairs at the University level. He is having 36+ years' experience in Teaching-learning, Research and Consultancies. Dr Singh has very bright academic career with distinction at all levels. He has done his Bachelor degree in Civil Engg from Govt College, Bhagalpur and Masters in Structural Engg from BIT Mesra, Ranchi. He has completed his Doctoral Degree in Civil Engg from NIT Allahabad. Dr Singh started his career

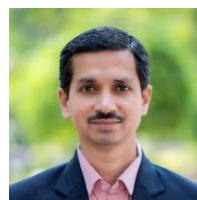


as a faculty at BIT Mesra, Ranchi, one of the Premier and Top Ranked Universities of India and served there for nearly 25 years in different capacities where he got the wide exposure in Teaching-learning, Research and Consultancy domain. He has vast experience of guiding and examining M.Tech and Ph D research theses. He has worked on good no of Sponsored Projects from UGC, AICTE, ADE and other reputed funding agencies and has published good number of papers in reputed National and International Journals.

Later, he switched to the Academic Administration and served the Engineering Institutions of repute for about 10 years in the capacity of Group Director and had privilege to implement innovative teaching-learning pedagogies successfully to achieve the excellence. Dr Singh has good exposure of Accreditation process of NAAC, NBA and other accrediting agencies. Dr Singh has significant contribution in the improvement of Teaching-learning process at DIT University as Dean Academic Affairs and Dean School of Engineering and Technology. He, in the capacity of Dean Faculty affairs is presently working on a well-planned Faculty Development Programme for 360-degree improvement of faculties. Dr Singh has been the member of Academic Bodies like Board of Studies, Academic Council, Board of Management and Board of Advisory of distinguished Institutions and Universities of the country. He is the recipient of the award of "Best NCC Officer-cadet of India" in Pre-commissioning course by the President of India in 1993.

Chemical Engineering

Dr. Anand D. Kulkarni, Assistant Professor, School of Chemical Engineering at the MIT World Peace University, Pune has completed B.E. (Chemical Engineering) from Pune University, M.E.(Chemical Engineering) from Bharati Vidyapeeth, Pune, and Ph.D. (Chemical Engineering) from



KBC North Maharashtra University, Jalgaon. He has a total experience of 17 years which includes 14 years of teaching experience and 3 years of industrial experience. His research interest lies in Flow Assurance, Fuels, and Biomass Valorization. He has published over 20 research papers in international conferences and journals. He is a teacher by choice and loves experimenting with innovative pedagogies. He is a reviewer for the 'Journal of Engineering Education Transformations (JEET)'.

He and his team has received the award for the best institutional report at the IUCEE Mini Symposium held in October 2021. Two of his student teams have received Awards at the National Hackathon on Project Oriented Problem Based Learning conducted by the IUCEE Foundation. He has also chaired the paper presentation sessions at the ICTIEE 2022.

Electrical & Electronic Engineering

Prof Chandrasinh D Parmar is working as an associate professor and Head of the department, Information, and Communication Technology department at Marwadi University, Rajkot, Gujarat. He has done his graduation in Electronics and Telecommunication Engineering from North Maharashtra University and a Master in Electronics and Communication with a specialization in Communication System Engineering from Gujarat University. Prof C D Parmar has 24 years of rich experience including 1.5 years of industry and 22.5 years in academics. He is pursuing Ph.D. in the field of Machine learning and deep learning for the defect detection field in metal casting. He is practicing transformation in the teaching-learning process for the last seven years.



He is the key person for the implementation of PBL at Marwadi University. He is certified IIEECP phase I and II and EPIC design thinking course from IUCEE. He has attended ICTIEE conference 2017,18,19,20 and 21. He has also attended RRSPL two days symposium. He is the coordinator of PBL from Marwadi University to attend and share information in PBL cluster meetings.

Prof C D Parmar is always eager to learn and implement best practices in the academic process and He has transformed many medium and slow learner's career through PBL and learning by doing the process. He is conducting Design engineering and human-centred design courses along with other subjects of electronics, communication, and machine learning. Prof Parmar is also awarded by IUCEE for Leadership in community Project-based learning in ICTIEE -20 conference at the Anurag group of colleges, Hyderabad organized by IUCEE. Under his guidance five teams of students got 2.5LAC INR funds from SSIP, NEW GEN and the projects are in progress.

Additional Resource Persons may be invited to facilitate various sessions depending on availability and budget.

Resources Requirement:

Note:

1. No part of the International Development Programme proposal can be copied or reproduced without explicit permission from Dr. Deepak Waikar &/or Prof. Krishna Vedula

Fw: IUCEE Course on Engineering Ethics starting Nov 18 is filling up fast

Dr. TARUMAY GHOSHAL <hod.ce@dituniversity.edu.in>

Wed 11/10/2021 3:02 PM

To: Dean Soet <dean.soet@dituniversity.edu.in>

Cc: Himanshu Pratap Singh <himanshu.pratap@dituniversity.edu.in>; PA to DFA <patodfa@dituniversity.edu.in>

Dear Sir,

The following students and faculty member from CED will attend the IUCEE course on Engineering Ethics starting from 18.11.2021.

1. AAYUSHI ANAND

Sap id - 1000012814

Phone no. - 9528460487

E-mail id - 1000012814@dit.edu.in

2. KAMYA RASTOGI

sap id - 1000012377

Phone no. - 8279962831

Email id- 1000012377@dit.edu.in

3. HASHIR ANSARI

Sap id- 1000013007

Phone no.- 9696651403

E-mail id- 1000013007@dit.edu.in

4. Mr. Himanshu Pratap Singh, Assistant Professor, CED

E-mail id- himanshu.pratap@dituniversity.edu.in

Phone no. - 7838746091

With regards,

Dr. Suprakash Biswas

Prof. & Head

Department of Civil Engineering

DIT University, Dehradun

Contact No. 0135-714-4395

From: Vedula, Krishna M <Krishna_Vedula@uml.edu>
Sent: 05 November 2021 08:25
To: Dr. ManEEK Kumar <director.steam@dituniversity.edu.in>
Subject: IUCEE Course on Engineering Ethics starting Nov 18 is filling up fast



IUCEE Course on Engineering Ethics

Dear Dr. ManEEK Kumar,

Please register/encourage others from DIT University to register.

IUCEE is offering this course on Ethics which is extremely important for the NBA Accreditation as well as NEP 2020 Guidelines. Lectures are given by global experts and will be very useful for IUCEE engineering colleges to incorporate topics into their curriculum.

The course will commence on November 18, 2021, every Thursday 6:30 - 8 PM IST, for eight weekly modules of 75 to 90 min each on:

- 18 November: **Personal Ethics** (Dr. Claire Komives, San Jose State University)
- 25 November: **Professional Ethics** (Dr. Anil Kulkarni, Penn State University)
- 2 December: **Preparing engineers for social responsibility/Educating the Humanitarian engineer** (Dr. Mohan Rao, Tennessee Tech University)
- 9 December: **Ethics for Environment and Sustainability** (Dr. Raj Rajaram, Chicago)
- 16 December: **Ethics in designing, software engineering, and product designing** (Ms. Sheetal Sohoni, Arizona State University)
- 23 December: **Ethics in Emerging Technologies, Development, Urbanization, Innovation and Modularity** (Ms. Sampada Pachaury, IUCEE)
- 30 December: **Upholding Institutional Values/ Corporate Social Responsibility** (Mr. Anil Pandit, GE Retd)
- 6 January: **Introducing Survival Ethics into Engineering Education and Practice** (Dr. John Tharakan, Howard University)

Course Participants: Team of 1 Faculty member + up to 3 students per faculty member

Homework: To be assigned on each module, presenter will decide on format

Attendees will be given a certificate after successful completion

Fee charged to the attendees: per team of faculty member and accompanying students

Rs. 500 for IUCEE Consortium Institutions and Rs. 2,000 for NON Consortium.

Details: <https://iucee.org/wp-content/uploads/2021/10/IUCEE-Course-on-Professional-Ethics.pdf>

Registration before November 10: <https://iucee.org/course-registration/>

Only faculty member needs to register.

Student will be registered by faculty participants after November 10.

Best Wishes

Krishna Vedula

Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE)

Dean Emeritus, University of Massachusetts Lowell

<https://iucee.org/>

Details of Weekly Topics:

18 November 2021: Personal Ethics (Dr. Claire Komives, San Jose State University)

The foundation of ethics is in oneself. Many life choices involve an ethical decision. Why do we opt to do the "right" thing when it may be inconvenient or even cause us to suffer? If a person does not have an ethical basis outside of work, it is unlikely that they will be ethical in their professional work. This module will cover the basics of ethics and ethical decision making.

25 November 2021: Professional Ethics (Dr. Anil Kulkarni, Penn State University)

How significant is the role for ethics in engineering profession, and can we teach it to students and practicing professionals? This presentation will attempt to answer these questions by using video clips, examples, case studies from engineering practice, and example of a code of ethics for professional engineers. Audience will be strongly encouraged to participate in the discussion. The motivation for undertaking such ethical training is that it will prepare our young graduates as well as professionals to expect what can be an unethical practice (in order to avoid it) and to resolve an unethical situation (if they happen to find themselves in it), while being fully aware of the legal and regulatory constraints.

2 December 2021: Preparing engineers for social responsibility/Educating the Humanitarian engineer (Dr. Mohan Rao, Tennessee Tech University)

Having an understanding of social values and their impact are very important in any profession. The social responsibilities of engineers include human welfare, safety and environmental protection in engineering designs. A value-related motivation, the desire to help others are strong catalysts for developing students' professional identities and empowering future Humanitarian Engineers. This presentation will provide some ideas and attitudes that are required for socially responsible professional practice that should be empathized in engineering education.

9 December. 2021: Ethics for Environment and Sustainability (Dr. Raj Rajaram, Chicago)

Sustainable value creation requires an ethical framework in which business, consumers and government interact to protect our natural resources for the future generations while maintaining an adequate standard of living for the present generation. The government creates environmental laws to protect the citizens from pollution and ensure a healthy environment in which everyone can be productive and produce the goods needed by society. If businesses and citizens do not conduct themselves ethically, the water, air and land can be ruined for generations. This was demonstrated in many tragic cases around the world, including the Bhopal Gas tragedy, the Chernobyl nuclear accident and many contaminated chemical sites which ruined the water and soil for many generations to come in the area

surrounding the factory. This course will stress the importance of ethics for environmental sustainability and present a few case studies which illustrate how ethics can be incorporated in the day to day decisions made by businesses and consumers.

16 December, 2021: Ethics in designing, software engineering, and product designing (Ms. Sheetal Sohoni, Arizona State University)

Technological development has impacted our lives both positively and negatively. Non-ethical practices in product designing, software development, use of AI, and user experience design can have non-reversible impact on human psyche and behaviors. It becomes important to be well informed about the ethical practices like accessibility, inclusive designs, avoiding dark patterns, copyrights, and collaborative platforms to develop products that can have positive influence for generations to come, because technology is here to stay!

23 December, 2021: Ethics in Emerging Technologies, Development, Urbanization, Innovation and Modularity (Ms. Sampada Pachaury, IUCEE)

Ethics in Innovation and Technological development is an extremely important area to be covered while preparing the next-gen of young technologists. As innovation and technology get democratized, the concerns around technology entering human lives in undesirable ways grow large. The Module presents a few case studies where ethics play a key role in decision making and its' consequences'. The modularity in innovation, the technological disruption, and ethical responsibility to develop a harmonious social existence will be the main focus of this Module

30 December 2021: Upholding Institutional Values/ Corporate Social Responsibility (Mr. Anil Pandit, GE Retd)

Ethics is simply upholding values. While leading an institution, the onus of defining, instilling, and adherence to set values by all rests with the leader. Further, as the institution is itself an integral part of society, ethical practice by all its constituents is the hallmark that sustains the organisation. This also helps to develop 'value' for values, in everyone associated with such institutions. Methods adopted to evolve and measure ethical behaviour as 'Conformance Index' will be elaborated.

6 January 2022: Introducing Survival Ethics into Engineering Education and Practice (Dr. John Tharakan, Howard University)

The course module will interrogate why ethical principles change across time and culture. It will also propose provisional motives and methods for reaching global consensus on engineering field ethics. Current interdisciplinary research in ethics, psychology, neuroscience and evolutionary theory grounds these proposals. Experimental ethics, the application of scientific principles to ethical studies, provides a model for developing policies to advance solutions. A growing literature proposes evolutionary explanations for moral development. Connecting these approaches necessitates an experimental or scientific ethics that deliberately examines theories of morality for reliability. To illustrate how this approach works, we will cover three areas. First we analyze cross-cultural ethical systems in light of evolutionary theory. While such research is in its early stages, its assumptions entail consequences for engineering education. Second, we will frame a syllabus for engineering and STEM (Science, Technology, Engineering and Mathematics) ethics courses and a checklist model for translating educational theory and practice into community action. The model is based on aviation, medicine and engineering practice. Third we illustrate how educational efforts at some institutions translate engineering educational theory into community action. Multidisciplinary teams of engineering students and instructors take their expertise from the classroom to global communities to examine further the ethicality of prospective technologies and the decision-making processes that lead to them.

Fwd: IUCEE looking for volunteers to review student projects relevant to the community

Dr B K Singh <deanfacultyaffairs@dituniversity.edu.in>

Thu 12/16/2021 7:22 PM

To: All Faculties Group <all.faculties@dituniversity.edu.in>

Dear colleagues

Interested faculties may nominate themselves for the needful. Pl revert.

#HoD's are requested to explore and share the list so that I may get them connected with IUCEE.

Bksingh

DFA

Get [Outlook for Android](#)

From: Vedula, Krishna M <Krishna_Vedula@uml.edu>

Sent: Thursday, December 16, 2021 10:59:32 AM

To: Dr B K Singh <deanfacultyaffairs@dituniversity.edu.in>

Subject: IUCEE looking for volunteers to review student projects relevant to the community



Dear Dr B K Singh,

Greetings !

You may have noticed that IUCEE has increased focus on Student Projects during the past 2 years. This is because IUCEE believes that the best way for engineering students to develop professional skills to become employable, leaders and entrepreneurs is to work on projects. These professional skills can be developed even if the projects are not directly connected with their technical disciplines.

An important part of this process is for the students to receive feedback. We are therefore looking for faculty and professionals from any discipline to review reports and presentations by the students.

Project topics have included

- Projects relevant to Clean and Green Campus
- Projects relevant to sustainability in the communities near the colleges
- Process for using Oxygen from Plants for COVID patients
- Low Cost Field Testing Kit for Honey Purity standards
- Efficiency improvement of Distillation of Essential Oils
- Toys for Autistic Kids
- Waste Management of Perishable Fruits & Vegetables
- Block Chain Mapping of Products

We need some help immediately. Please let me know if you would like to help review student projects. I will make sure the workload is reasonable. A positive response to this email before Monday, Dec 20 will be really appreciated.

Best Wishes

Krishna Vedula

Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE)

Dean Emeritus, University of Massachusetts Lowell

<https://iucee.org/>

IUCEE IFEES GEDC Global Webinar

Registrar <registrar@dituniversity.edu.in>

Wed 5/25/2022 5:01 PM

To:all@dituniversity.edu.in <all@dituniversity.edu.in>

Cc:VC DIT University <vicechancellor@dituniversity.edu.in>

IUCEE IFEES GEDC Global Webinar:

Wednesday May 25 at 6:30 pm IST

Register at Link: <https://attendee.gotowebinar.com/register/6203239418375427341>

“Beyond the Books- Importance of Knowledge for Women Empowerment”

Abstract:

To build upon our success our Rising to the Top book series, IFEES and GEDC has created a monthly virtual space for our authors and other young women engineers to unite and discuss their personal journeys and experiences together.

Our goal is to form an open, honest, and engaging space where engineers can join to learn about experiences from women around the world as they navigate and prosper in STEM fields. Each month, we will pair a set of authors from different parts of the world and an aspiring young woman in STEM to engage in an intimate discussion about the challenges and triumphs in their personal and professional journeys that have shaped the women they are today. Join us to not only see how these women Rise to the Top but how they lift while they rise.

The theme of this week's webinar focuses on the Importance of Knowledge for Women Empowerment and features one of our sponsors, Michael Milligan from ABET and authors from Rising to the Top Volume I.

Facilitator: Dr. Archana Mantri// Journey 16 // India| Pro-Vice Chancellor Chitkara University

Catherine (Kitty) Didion // Journey 8 // United States of America | Vice President of The Didion Group

Jane Goodyer // Journey 11 // Canada | Dean Lassonde School of Engineering

Michael Milligan // Executive Director and Chief Executive Officer of ABET

Best Wishes

Krishna Vedula

Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE)

Dean Emeritus, University of Massachusetts Lowell

<https://iucee.org/>

Regards,

Registrar
DIT University

Mussoorie Diversion Road,
Village Makkawala, P.O. Bhagwantpur,
Dehradun-248009



Fwd: IUCEE Distinguished Lecture “Disruptive Technologies for Sustainable Clean Water” Sat June 11 at 6:30 pm IST

Dr B K Singh <deanfacultyaffairs@dituniversity.edu.in>

Fri 6/10/2022 5:08 PM

To: All Faculties Group <all.faculties@dituniversity.edu.in>

Dear colleagues

Interested faculties may attend and get benefitted.

Bksingh

DFA

Get [Outlook for Android](#)

From: Vedula, Krishna M <Krishna_Vedula@uml.edu>

Sent: Friday, June 10, 2022 11:01:23 AM

To: Dr B K Singh <deanfacultyaffairs@dituniversity.edu.in>

Subject: IUCEE Distinguished Lecture “Disruptive Technologies for Sustainable Clean Water” Sat June 11 at 6:30 pm IST

**IUCEE Distinguished Lecture Series**

Dear Dr B K Singh

Our IUCEE Distinguished Lecture Series features eminent speakers of interest to IUCEE Community.

Next one is:

“Disruptive Technologies for Sustainable Clean Water”

E Nandakumar, Chief Executive Officer, International Centre for Clean Water at [IITM Research Park](#)

TOMORROW Saturday June 11th, 2022, at 6:30 pm IST

Register at Link:

<https://us02web.zoom.us/meeting/register/tZUtdc-hqTgjH9M2UAq3SGkC5GzfotCJzs1e>

Please forward to colleagues. All are welcome.

Best Wishes

Krishna Vedula

Executive Director, Indo Universal Collaboration for Engineering Education (IUCEE)

Dean Emeritus, University of Massachusetts Lowell

<https://iucee.org/>

Details:

“Disruptive Technologies for Sustainable Clean Water”

The session will cover technologies at various stages of evolution and how they are aligning to address some of the complex challenges faced by us in ensuring clean water for all

About the Speaker



E Nandakumar

Chief Executive Officer

International Centre for Clean Water at IITM Research Park

<https://iccw.world/team/mr-e-nandakumar/>

E Nandakumar is a Mechanical Engineer from IIT Madras with a Post-Graduate degree in Management from XLRI. He has over 36 years of experience in leading corporates like ITC.

He has worked in multiple roles and businesses in middle and senior management positions. With a multi-disciplinary and human centric approach, he played a pivotal role in the turnaround of two of ITC's businesses. He also created a resilient outsourced manufacturing setup for one of ITC's FMCG businesses that was recognized among the top three best business practices in ITC. In June 2017, he left the corporate world to help Start-ups and MSMEs achieve rapid, exponential growth by employing the Theory of Constraints.

He is a trained facilitator for Lean, TPM and Six Sigma and a certified Instructor-cum-Mentor for the Lean Start-Up methodology, which is used by the National Science Foundation in the US to determine funding for start-ups. In January 2019, he helped setup the International Centre of Clean Water (ICCW) – an initiative of IIT Madras and is currently its CEO. ICCW aims to be one of the best ecosystems of its kind in the world to ideate, nurture and translate disruptive technologies for sustainable clean water, with collective participation of the global community and in the process building water professionals of tomorrow.

List of Faculty Members proposed for FDP Conducted by IUCEE inn JUNE-JULY '2021

A) For First Year Courses

Name of the Course	Faculty nominated	Email id
Physics	Dr Ravi Kumar Shukla	ravi.shukla@dituniversity.edu.in
Chemistry	Dr Manisha Duseja	manisha.duseja@dituniversity.edu.in
Maths	Dr Jogendra Kumar	jogendra.kumar@dituniversity.edu.in
Language/Hum Courses	Dr Sachi Negi	sachi.negi@dituniversity.edu.in
Computer Sc Courses	Dr Mitali Srivastava	mitali.srivastava@dituniversity.edu.in
Mechanical Engg/ drawing courses	Mr Bipin Kumar Dr Subodh Kumar	bipin.kumar@dituniversity.edu.in subodh.kumar@dituniversity.edu.in
Electrical & Electronics Courses	Dr Gaurav Dhiman	gaurav.dhiman@dituniversity.edu.in
Architecture and Design	Ar. Upendra Joshi	upendra.vinay.joshi@dituniversity.edu.in
Pharmaceutical Sciences	Dr Ashok Behera	Ashok.behera@dituniversity.edu.in

B) Mini Courses

Name of the Course	Faculty nominated	Email id
Design thinking	Ar Poonam Katre	poonam.katre@dituniversity.edu.in
Social Emotional Learning	Dr Arun Pratap	arun.pratapsingh@dituniversity.edu.in
Clean and Green Campus	Ms Shreya Giri	shreya.giri@dituniversity.edu.in
Artificial Intelligence for all	Dr Ankit Kumar	ankit.agarwal@dituniversity.edu.in
Entrepreneurial Thinking	Mr Umesh Chandra Agrawal	director.ciies@dituniversity.edu.in
Sustainability and Leadership	Dr Hemraj Verma	drhemraj.verma@dituniversity.edu.in

Dr B K Singh

Dean Faculty Affairs

To,
The Vice Chancellor
DIT University,
Dehradun

Office of the Vice Chancellor

Rece. Date 13/10/22 Dept. Date 14/10/22

Ref. No. AFA/TLC VCH-22/248

DIT UNIVERSITY
IMAGINE ASPIRE ACHIEVE

Date: October 13, 2022

Subject: Nomination of TLC Faculties for IUCEE related activities

Respected Sir,

As per the request of Executive Director of IUCEE, Dr. Krishna Vedula, some faculties from DITU, preferably from TLC are to be nominated to coordinate with IUCEE for conducting IUCEE related activities in our campus through TLC platform (Copy of mail enclosed).

Following nominations have been proposed for the same:

Sl. No.	Position	Nomination	Remarks
1	Director of TLC (Chairperson) EX-Officio	Dr. Binay Kumar Singh, SoET	Chairperson, TLC
2	Faculty-in-charge for IIEECP certification	Dr. Vijay Negi, SoLAM	Professor In-charge, TLC
3	Faculty Mentor Student Chapter	Dr. Preeti Sharma, SoLAM & Dr. Jogendra Kumar SoPS	Coordinator, TLC, Non-member
4	Engineering Education Researcher	Dr. Rana Acharyya, SoET	Non-member
5	Coordinator for NEP Courses	Dr. Dhruv Chaudhary, SoET	Non-member
6	Coordinator for IUCEE Events	Dr. Pooja Swaroop Saxena, SoPS & Dr. Amit Kumar Dubey, SoPPHI	Coordinators, TLC

I, therefore request you to accord your approval for nomination of the above-mentioned faculties so that the list can be shared with IUCEE.

With regards

(Dr. B.K. Singh)
Dean Faculty Affairs
& Chairperson of TLC

Handwritten signature and date 14/10

DIT University Event Report

