

Institute Innovation Council

Annual Report 2020-21



The Institution Innovation Council (IIC) at the TERI SAS is working towards fostering an ecosystem of innovation at the institute in areas related to sustainable development. The IIC at TERI SAS has members from the faculty, industry (external experts with expertise in technical, financial and legal aspects) as well as student coordinators from all programmes.

The IIC at TERI SAS has been meeting at regular intervals to chart out the quarterly activities and plans. Necessary details are being uploaded on the IIC portal. Information as received from MoE-IIC is being regularly shared with the students as well as the faculty members.

A number of activities have been organized by the IIC at TERI SAS students to inspire them towards thinking big and innovatively. This includes workshops and webinars on innovation and entrepreneurship, IPR as well as project management. Founders of several start-ups have been invited to deliver pep-talks and share their entrepreneurial journey with the students.

The curriculum has been updated to include courses focusing on entrepreneurship and design thinking, which are offered to students from all disciplines as electives. The administration has been extending facilities to the interested students, enabling them utilize facilities at the Campus - library, laboratories and dedicated seating facilities, besides mentoring support from the experts. Students are further being encouraged to participate in design competitions and hackhatons.

Details of Activities: 2020-21

- 1) The IIC at TERI SAS conducted 4 quarterly meetings in the academic year 2020-21, involving both internal as well as external members –
 - a. June 20, 2020
 - b. December 28, 2020
 - c. March 31, 2021
 - d. July 06, 2021

- 2) The IIC at TERI SAS conducted the following activities/ workshops in the academic year 2020-21 --
 - a. Pep-talk by start-up founders
 - b. Legal and Financial Issues in Start-up (SS Rana- Law firm)
 - c. Use of Blockchain in Energy (Smart Grid Foundation)
 - d. Opportunities in solar rooftop sector for beginners (SunAlpha)
 - e. Prospects in the Indian Energy Transition (Bloomberg)

- 3) The IIC at TERI SAS conducted an upskilling week from 'Employment to Employability' with an aim to inculcate and nurture the employability skills in its students

- 4) The IIC invited several start-up founders to share their journey with the students including
 - a. Mr Mukul Chhabra - SWAPECO (e-waste collection)
 - b. Ms Arshi Chadda – SOLAR (Rooftop startup)
 - c. Dr Vanita Prasad, REVY (Environmental Solutions)

- 5) The IIC organized sessions by TERI SAS alumni who have started their own ventures
 - a. Ms. Devakshi Nayar - Hope Collective
 - b. Mr Lucky Aggarwal - SolarTech Saarthi
 - c. Mr. Alok Raj Gupta – Envecologic

- 6) The IIC at TERI SAS conducted a meeting with the student coordinators to understand their requirements and explain to them the mandate of IIC
 - a. July 22, 2021
- 7) A global challenge – ‘Energy for Access’, spearheaded under the aegis of IIC enabled a team of TERI SAS students a Bronze Medal
- 8) The IIC at TERI SAS conducted consultations with the following stakeholders were conducted to strengthen innovation eco-system at the University
 - a. Ms Rupali Shinde, Tata Capital
 - b. Ms Devakshi Nayar, Social Alpha
 - c. Ms Swani Ramchandani – Invest India
 - d. TiE (The Indus Entrepreneurs)
- 9) Faculty and students are being regularly updated on IIC related activities. Besides, faculty members are being encouraged to enrol under the Innovation Ambassador Programme
- 10) The IIC at TERI SAS has been uploading the required information on the MoE portal
- 11) A dedicated page has been created on the university portal highlighting the IIC mandate and its activities
<https://www.terisas.ac.in/iic.php>
- 12) Plans of IIC – TERI SAS for the academic year 2021-22
 - a. Student competition, inviting business plans on themes related to sustainability
 - b. Workshop on start-up involving alumni, founders, law firms and government agencies

Workshops/ Activities-

Upskilling Week

tori school of advanced studies

Upskilling Week

FROM EMPLOYMENT TO EMPLOYABILITY

18th Jan to 23rd Jan

SCHEDULE **SESSIONS** **EXPERTS**

18th Jan
PM to 7 PM IST

Professional Communication and Customer Centricity

Mr Amarjeet Kudle, Expert trainer and executive coach Landor Ultrakhand

Think like a Waste Water Process Expert, Wastewater Process Design Software

Ms. Bhakti Yadav, Process Designer, Wastewater P

Workshop on Energy Transition

Eight areas of focus to get to 450GW of renewables

1. Evolution of auctions

2. Increasing system flexibility

3. Scaling up investments

4. Preparing the grid

5. Coordinating land acquisition

6. Addressing discoms' finances

7. Managing coal retirements

8. Stepping up manufacturing

450GW renewables

Source: BloombergNEF

23 December 5, 2020

45:52

More actions

People ... X

Invite someone

Currently in this meeting (35) Mute all

- ST Sapan Thapar
- AS Akash Sondhi
- AG Akshay Gattu
- Animesh Khandelwal
- AS Anubhav Sheoran
- AN Apoorv Nandwana Guest
- AK Arjun Khara
- Aviruch Bhatia
- CK Chandan Kumar
- CV Charan V
- CK Charvi Kapoor

Invite others from conversation (3)

Workshop on Blockchain in Energy

The screenshot shows a Microsoft PowerPoint presentation titled "Blockchain in Energy_Shavam". The main slide is titled "Blockchain Will Add Over \$3 Trillion In Value To World Economy By 2030" and features a line graph showing the projected value added by blockchain from 2018 to 2030. The graph is divided into three phases: Phase 1 (Irrational exuberance, few high-profile successes), Phase 2 (Larger focused investments, many successful models), and Phase 3 (Global large-scale economic value-add). The graph shows a significant increase in value starting around 2022, reaching over \$3 trillion by 2030. A list of four points summarizes the phases and the potential value added by 2030.

Blockchain Will Add Over \$3 Trillion In Value To World Economy By 2030

ISGF India Smart Grid Forum

1. Current phase of "irrational exuberance, few high-profile successes"
2. Between 2022 and 2026 phase of "larger focused investments, many successful models"
3. After 2026, the technology will be a "global large-scale economic value-add"
4. By 2030, blockchains could deliver US\$ 3 trillion of value worldwide, through a combination of cost reduction and revenue gains

Source: www.infosmartgrid.org | Slide - 7

People

- ST Sapan Thapar
- AS Akash Sondhi
- AG Akshay Gattu
- Anshu
- Ashish Kumar
- Aviruch Bhatia
- B bala Guest
- Balaji N
- BS Benjamin Sam
- CK Chandan Kumar
- CV Charan V
- Goopal K Sarangi

Pep-talk by Start-up founder

The screenshot shows a WhatsApp chat interface. The main chat area displays a logo for "SWAPECO" with the tagline "We clean your Scrap". The logo features a green leaf and a white house icon. The chat interface includes a list of participants on the right side, a status bar at the bottom, and a "People" list on the right.

SWAPECO
We clean your Scrap

People

- ST Sapan Thapar
- AP Ashimanyu Prakash
- AS Ajita Sethi
- AS Akash Sondhi
- A Akilandeswari
- BS Karanika Banerjee
- BP Shreshth Bachpande
- CV Charan V
- D Delp
- DS Dr Jaya Singh
- DM Dr Pooja Rane
- MS Manish
- MS Manish

Workshop – Opportunities in Indian Solar Rooftop Sector

**TERI SAS Institute Innovation Council
and
Entrepreneurship Development Innovation Cell**

Presents

Webinar

on

**Opportunities for Beginners in
Indian Solar Rooftop Sector**

17th June, 2020 | 2:30 PM – 3:30 PM

Speaker

Mr. Puneet Goyal

Co-Founder
SunAlpha Energy



Student Competition

Mail - Sapan Thapar - Outlook - Google Chrome
outlook.office.com/mail/deeplink?version=20210103002.07&popoutv2=1

Reply all Delete Junk Block ...
Download Print Save to OneDrive

Supported by:
THE ENGINEERS WITHOUT BORDERS

EFFICIENCY FOR ACCESS

Efficiency for Access Design Challenge University Guide 2020 – 21

EforA Design Challenge - Brainstorming - Ideation Meeting - 28th July

AS Akash Sondhi
Mon 7/27/2020 6:40 PM
To: Akash Sondhi
Cc: Sapan Thapar Naqvi Answer + 2 others

Efficiency for Access Design C...
1,014 KB

Dear Masters Students and PhD Scholars at TERI SAS.

Subject: Brainstorming session on 28th July at 11 am to discuss your ideas for the Efficiency for Access Challenge 2020-21 - Moderator Ms. Bhawna

Dear Friends,

In continuation of the previous email regarding the EforA Design Challenge, I encourage you to take advantage of this unique platform.

MS Teams Link - [Join Microsoft Teams Meeting](#) (28th July @ 11 am)

Efficiency for Access is a global coalition to accelerate clean energy access through high performing appliances. The Efficiency for Access Challenge invites teams of university students from across the world, to create affordable, high-performing off-grid appliances and supportive technologies. This year TERI university has been invited to participate and we are registering the

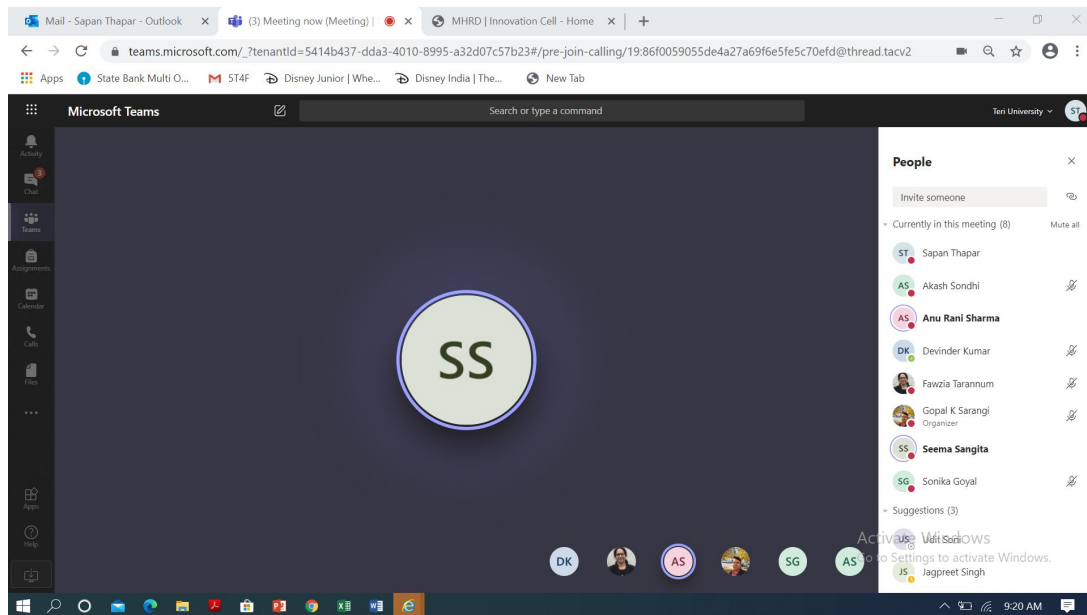
Type here to search

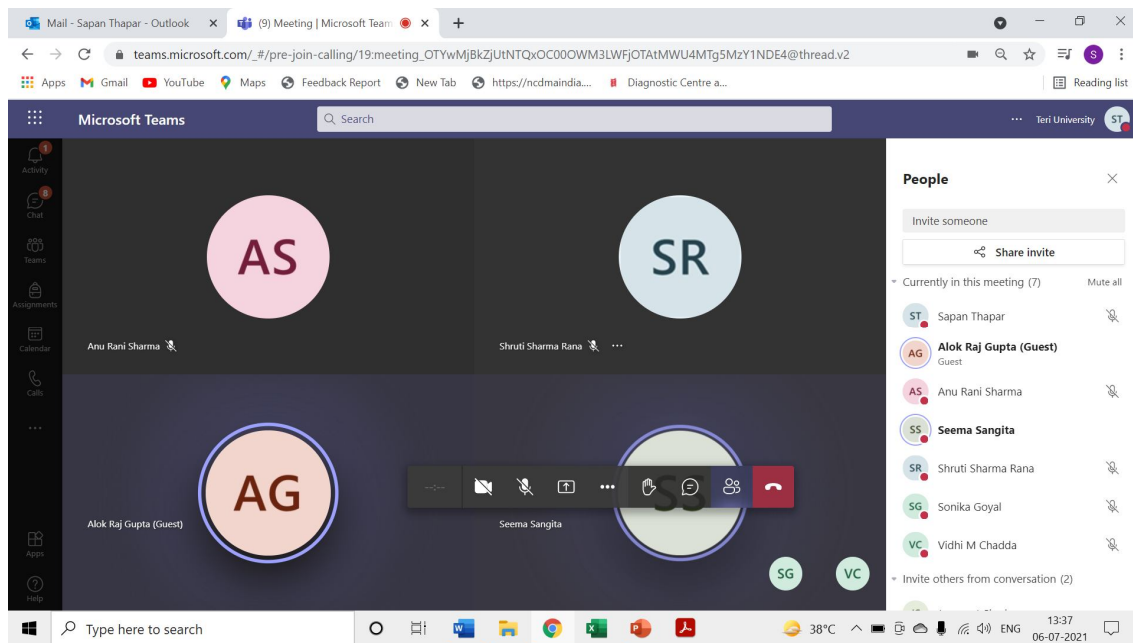
1343
19-01-2021

IIC Meetings

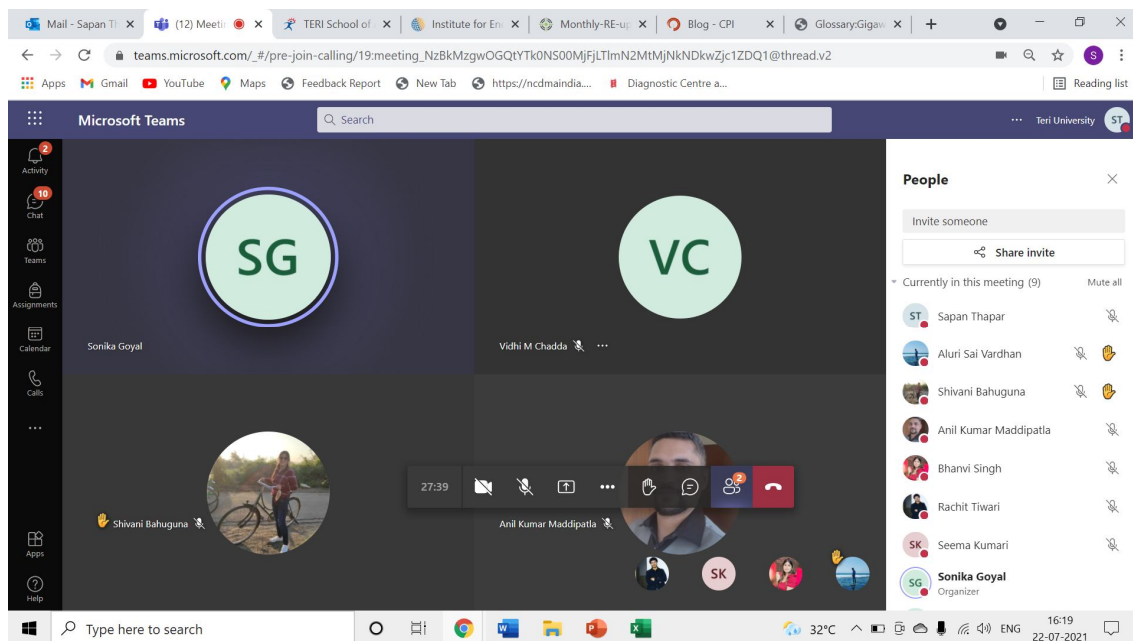
Participants

- Dr Akash
- Dr Abhijeet
- Dr Aviruch
- Mr Devinder
- Dr Sapan
- Dr Seema
- Dr Shruti
- Ms Sonika





Student Coordinators Meeting



MINUTES OF MEETING

Date : 4th, July 2020
Venue/Platform : Microsoft Teams
Time : 18:00 HRS to 19:00 HRS

ATTENDEES PRESENT	
NAME	Course
Anshula Singh	M.S.c Plant biotechnology
Chandan Kumar	M.S.c. ESRM
Charan V	M.Tech REEM
Deepak Kalra	M.Tech REEM
Kritika Chauhan	M.S.c. Climate Science and Policy
Kunwarpreet Singh	M.S.c. Economics
Manasvi Bansal	MBA Business Sustainability
Nivedita Krishnamurthy	M.A SDP
Piyush kumar	M.S.c. Geoinformatics
Pooja Choudhary	M.Tech Urban Development Management
Preethi Vasudevan	M. Tech Water Resource Engineering and Management
Shubhangi Singh	M.S.c. Plant biotechnology

MEETING CONTENT	
AGENDA	Description
IIC Student Coordinators meet	<p><u>Key points</u></p> <p>To start with the IIC activity in campus first students should know what is innovation and entrepreneurship so it requires some seminars and workshops. Hence we are planning for the below activities</p> <ul style="list-style-type: none">• Webinar on entrepreneurship and its need• Webinar on start-up struggle• Idea competition• Webinar on impact of IT on business