DIT
UNIVERSITY
IMAGINE ASPIRE ACHIEVE

SDG 7

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T he 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.

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University Policies for Start Ups on Technology, Innovation and Sustainability

DIT University actively provides assistance and support for start-ups that foster and promote a low-carbon economy and technology. Our commitment to sustainability extends to nurturing and empowering entrepreneurial ventures that align with clean and environmentally responsible practices. Some of the ways in which we support such start-ups include:

• Technology Business Incubator (TBI)

• Expert Guidance

• Access to Networks

• Funding Support

• Innovation and Research

Our university actively fosters and supports start-ups that are dedicated to building a low-carbon economy and advancing clean technology. We believe that these entrepreneurial endeavors play a crucial role in addressing environmental challenges and creating a more sustainable future.

The Policy links are provided below

https://www.dituniversity.edu.in/Uploads/image/2862imguf_StandardOperatingproceduretofacilitateentreprenuershipandstartups.pdf

https://www.dituniversity.edu.in/Uploads/image/2861imguf_StandardOperatingprocedureforinnovativeIdea,start-up,ProjectFunding.pdf

https://www.dituniversity.edu.in/Uploads/image/1878imguf_Innovation_Incubation_and_Startup_Policy_for_Students_Faculty_and_staff.pdf

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Name of the Event Coordinator/Convenor: Mr. Saurabh Mishra, EECE Department, DIT University	Name of the Event: "Nurturing Entrepreneurship and startups" under CSIR-ONE WEEK ONE LAB(OWOL)
Name of the Collaborator(if any) :	Name of The Resource Person (Multi entry in case of more than one resource) : Dr. Rajat Agrawal, professor, Dept. of Management Studies, IIT Roorkee, Dr. Pushparaj Mani Pathak, professor, MIED, IIT Roorkee.
Start Date and End Date : January 10th 2023 **Venue:** Rabindranath Tagore auditorium CBRI Roorkee	No. of Participant (Students and Faculty) :

DETAILS ABOUT THE EVENT:

Event Description
Relevance with **SDG 7 (Affordable and Clean Energy):** **DIT University promoted startups under SDG 7 (Affordable and Clean Energy) by organizing the activity "Nurturing Entrepreneurship and Startups" as part of the CSIR-One Week One Lab (OWOL) initiative. The event highlighted the importance of innovation in achieving sustainable energy solutions. In discussing national growth, it was emphasized that a key measure of a country's progress is the number of patents filed, with China filing around 1.2 million patents in 2020-2021, compared to India's 50,000, reflecting the need for greater innovation in India.** The event started at 10:45 am with the welcome address by the programme coordinator, Dr. S. K. Panigrahi. He outlines the program's agenda and provides an overview of CBRI (the Central Building Research Institute). Then, as per schedule, the CBRI technology showcase starts at 11:00 a.m. The showcase reflects the history, research, rewards, and ongoing innovations of CBRI. Then we all went for the 15-minute tea break. After the tea break, we all went to the exhibition organised by the CBRI in collaboration with the CSIR. The exhibition is well-organized and very informative, displaying CBRI's innovations and research in the field of building structure and how to protect the building from earthquakes. One thing we learn there is that the technology and structural design of the Ram Mandir of Ayodhya were developed by CBRI Roorkee and that, according to scientific calculations and theory, the structure of the Ram Mandir will remain unaffected by the earthquake for nearly 2500 years.

There we also saw the stones made of chemical waste, mainly cobalt, and learned about the process that made them possible.

After the end of the exhibition, we all went to the guest lecture in the auditorium. The keynote speakers of the event are Dr. Rajat Agrawal, professor, Dept. of Management Studies, IIT Roorkee, and Dr. Pushparaj Mani Pathak, professor, MIED, IIT Roorkee.

Dr. Rajat Agarwal put forward an idea for the marketing and business models of the start-ups. He also talks about how to measure the growth of a particular country. He said that the main parameter that defines the growth of a country is the number of patents filed by that country in an academic year. For example, China filed approximately 12 lakh patents during the 2020-2021 period, while India filed only approximately 50,000 patents.

Dr. P.M. Pathak, founder of Robolife, will then present his healthcare innovations virtually. He invented a device named TARA on demand by the MAX hospital in Dehradun in time for COVID-19 for contact less medical registration. TARA presents the facility of contactless registration along with the measurement of basic things like BP, oxygen level, temperature, and heart rate through the technology of image processing. He concluded his talk by talking about the reasons for the failure of the start-ups.

Then there will be a 45-minute lunch break.

At 3:00 p.m., everyone gathered in the auditorium following the lunch break. The meeting will then take place in person with Dr. Sanjeev Majumdar, Manager, Start-ups Activities and Intellectual Property Division, NRDC, New Delhi. He spoke about the functioning and vision of the NRDC (National Research Development Corporation). He told about how to apply for the patents at NRDC, how to raise funds for the start-ups. He elaborates on how the NRDC promotes and supports the new, upcoming start-ups.

At 4:00 pm, the discussion on local start-ups and problems began. Certificates will be distributed to participants, and mementos will be given to the guest following a half-hour discussion on local problems and new ideas for start-ups.

Finally, at 5:00 p.m., the programme is ended by a vote of thanks presented by the event organizer, Dr.
S. K. Panigrahi. He thanks the organizer, the chief guests, and all the participants of the event.

Geotagged photograph of the event.

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Name of the Event Coordinator/Convenor: Ritika Saxena (Faculty Coordinator) Akshat Sharama (Student Coordinator) Pradhum Srinivas (Student Coordinator)	Name of the Event: Innovation Challenge "The Revolution" on Start up in Cyber Physical System for Avoiding Problems Related to the Hilly States
Name of the Collaborator(if any) : Incubation Support from iHub DivyaSampark	Name of The Resource Person (Multi entry in case of more than one resource) :
Start Date and End Date : 21/11/23 to 21/11/23	No. of Participant (Students and Faculty) : **Participants:** 04 Groups **Audience:** 20 **Judges:** 04

DETAILS ABOUT THE EVENT:

Event Description
Relevance with SDG 7 (Affordable and Clean Energy): DIT University promoted startups under SDG 7 (Affordable and Clean Energy) through the event "The Revolution" on startups in Cyber Physical Systems (CPS) aimed at addressing challenges in hilly states. Dr. Nafees Ahamad, Head of iHUB and HOD EECE, explained the potential of CPS, which integrates cyber and physical systems, in mitigating problems like the "Tunnel Collapse" in Uttarkashi. He encouraged students to brainstorm strategies for rescue operations and preventive measures, fostering innovation to enhance safety in mountainous regions. **Objective:** To identify the startups or innovative ideas who plays a role in Cyber Physical System for avoiding problems related to hilly states. **Brief Description:** The session was held on 21st November 2023, the event showcased innovative solutions from aspiring minds. At the beginning of the session the welcome address is given by one of the member of entrepreneurship and start-up club where he introduced everyone and describe the objective of conducting this innovation challenge "The Revolution" to encourage and motivate people which enables innovative ecosystem in cyber- physical systems (CPS). The challenge started by the introduction of judges by the student host. The judges were:

Dr. Hiranmoy Roy (Dean, School of Liberal Arts & Management)
Dr. Nafees Ahamad (AP and HOD EECE Department)
Dr. Neeraj Kumar Sethiya (Assistant Professor, Department of Pharmacy)
Dr. Parveen Kumar (Associate Professor, Department of Physics, In-Charge CIIES)

After that the session was continued and addressed by Head of iHUB DIT University **Dr. (Prof.) Nafees Ahamad (HOD, EECE) DIT University**. He talked about what the Cyber Physical System is and if implemented how it's going to show positive impact on the hilly states. CPS is the integration of cyber and physical implements. He even share an example with students about the "Tunnel Collapse" in Uttarkashi. He asked students to think ideas about if you were in that situation what strategy or ideas you will use to rescue the 41 workers. Or the ideas which should be taken beforehand so this kind of situation doesn't happen.

And the session started by the anchor introducing different participants with different ideas. Various ideas was discussed by students such as:
- Mediconnect (Gandharv Pandey)
- Virtual Lab via AI (Narayan Pandey and Ayush Gupta)
- Cardiaclances (Kirti Singh)
- Implementation of Vending Machines for hilly areas (Shreshtha Bhavya and Khushan Pant)

The competition witnessed remarkable ideas. **Gandharv Pandey** claimed the top spot, impressing judges with a strategic approach to medical interventions. **Narayan Pandey and Ayush Gupta** secured the second position, proposing AI-based virtual labs for students. **Kirti Singh** captivated audiences with exceptional presentation skills and earned recognition for her impactful concept. **Shreshtha Bhavya and Khushan Pant** proposed the implementation of vending machines for dispensing medicines, addressing the healthcare challenges prevalent in hilly regions. Gandharv Pandey's groundbreaking ideas ultimately secured the coveted first position, showcasing a comprehensive understanding of tackling healthcare challenges in hilly terrains through technological innovations.

And many more such ideas were introduced and discussed by students and judges. Various solutions and help is provided by the judges to participants to enhance their ideas to work more on it and convert it into pilot stage for the next phase idea competition.

The session was concluded by some words of wisdom from one of our judges **Dr. Hiranmoy Roy** sir. He first congratulated all participants for sharing such impressive ideas. He even talked about how this will help participants to have his/her independent career opportunity. He motivated

students to work hard on their ideas and decided to provide them help whenever it is needed in which ever form.

The event's success not only highlighted the talent and ingenuity of the participants but also underscored the crucial role of collaborative platforms like iHub DIT University and iHub DivyaSampark in fostering innovation and addressing societal issues through technology.

Learning Outcome: The event help us to identify different ideas which plays important role in cyber physical system. The challenge encourage and motivate students to work hard and to think more ground-breaking ideas related to Cyber Physical system which plays important role in providing solutions to avoid problems related to hilly states.

Geotagged photograph of the event.

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Name of the Event Coordinator/Convenor: • Akshat Sharma, Student (Entrepreneurship & Startup Club) • Ms. Ritika Saxena (iHUB, CIIES)	Name of the Event: Session on Problem Solving & Ideation Workshop
Name of the Collaborator(if any) :	Name of The Resource Person (Multi entry in case of more than one resource) : Dr. Hiranmoy Roy (Dean, School of Liberal Arts & Management)
Start Date and End Date : 22/12/2023	No. of Participant (Students and Faculty) : Faculty: 03 Students: 15

DETAILS ABOUT THE EVENT:

Event Description
Relevance with SDG 7 (Affordable and Clean Energy):   **DIT University promoted startups under SDG 7 (Affordable and Clean Energy) through a "Problem Solving & Ideation Workshop" aimed at fostering innovative solutions. The session encouraged participants to identify real-world energy challenges and brainstorm creative ideas to address them. By engaging students in critical thinking and ideation, the workshop helped nurture entrepreneurial skills and inspired the development of sustainable energy solutions aligned with the goals of SDG 7.**   Objective: The main objective of this session is to help students about how they can pitch and present their ideas and how to identify the problems and create solutions for them.   Brief Description: The session was started by the welcome of all the dignitaries.   After that the session was addressed by **Dr. Hiranmoy Roy (Dean, School of Liberal Arts & Management)**, he started his session by introducing or sharing his own start up idea he innovated with his colleague. He tried to explain through his ppt to students about how to present your idea and basic things are needed to be included in your presentation for startup. Some of those points are: Define Problem   Brief Solution   Proposed Product   Stage of startup   Unique Selling Point (USP)   Market size   Short term plan

Business Model
Revenue
Management Team

Many questions were raised by students to clear their doubts like:
What is USP?
How to calculate revenue?
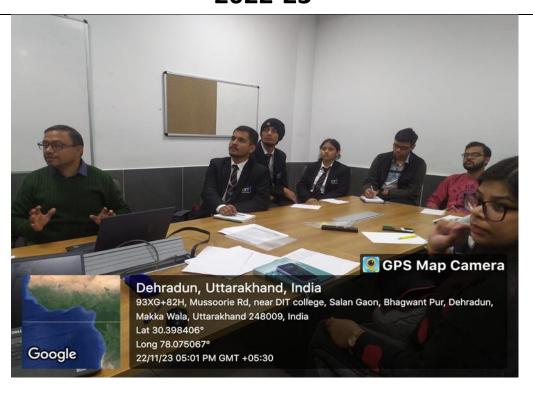How to identify market size?

After the great valuable session, the session is continued by **Dr. Parveen Kumar (Head-CIIES)**. He talked about how to identify problems and from that how to develop ideas. He shown many motivating videos related to innovation to students to make them realize how they can identify problems and after that define the solutions. The videos are 1-2 min. small clips taken from the channel **"Jugaad Mania"** to make students realize how from small problems in our day-to-day life which we usually ignore a successful startup can be originated.

At last the session was ended by **Ms. Ritika Saxena** by thanking all the faculties and students to make this workshop successful. The workshop ended with everyone being in the same wavelength of delight and grasp of great deal of knowledge.

Learning Outcome: The session is very encouraging and motivating for students. It helped them how we can generate any startup idea by keeping a look at our surroundings. It even helped them to learn how to pitch their ideas and in which format.

Geotagged photograph of the event.

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Name of the Event Coordinator/Convenor: DIT Incubation Foundation, Institution's Innovation Council and School of Liberal Arts & Management, DIT University	Name of the Event: My Story: Motivational Session On Start Up and Innovation
Name of the Collaborator(if any) : Innvocon	Name of The Resource Person (Multi entry in case of more than one resource) : <Name>
Start Date and End Date : 19/10/2023	No. of Participant (Students and Faculty) : 47

DETAILS ABOUT THE EVENT:

Event Description
Brief text with introduction, event details, content and outcome: Brief Description: The session started by the introduction of Mr. Taranjeet Singh (Founder, Innvocon).Mr. Taranjeet started his session by introducing his startup what actually he does. Innvocon is a workplace intelligence company that solves the problems of 'bad hires', high attrition rates, increasing cost per hire, increasing L&D cost and the problems of lack of new-age industry-relevant skills and low employability problems faced by fresh graduates and unemployed engineers. He then discussed his approach and journey of building his innovative start-up, in which he figures out about "Observation" which is the main key or approach in building a successful Start-up. He then discussed about his Idea which focuses more on Solving the problem rather than settling it down which was only possible by developing an Entrepreneurship Mindset. He then briefly discussed the terms "Entrepreneurship", "Start-Up" & "Innovation". He then discussed about the Importance of Customer Feedback which served as a Motivation to him and also discussed several factors which keeps him motivated and help him to keep moving. He also discussed about the Importance of Innovation to which he stated "If there is no Innovation in our Ideas, it's simply just a shop we are running". He also told that a Start-up isn't a Start-up until it makes impact at higher level. And the impactful solution it is creating in the market. He talked about his journey about how he start meeting the right people for the right job, if there is a will nobody can stop us.

Geotagged photograph of the event.

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Name of the Event Coordinator/Convenor: Innoscale Global Foundation and Engineering & Technology Club, SoET	Name of the Event: One Day Workshop on "Entrepreneurship and Innovation" as Career Opportunity
Name of the Collaborator(if any) :	Name of The Resource Person (Multi entry in case of more than one resource) :
Start Date and End Date : 17.10.2023	No. of Participant (Students and Faculty) :

DETAILS ABOUT THE EVENT:

Event Description
Brief text with introduction, event details, content and outcome:

Relevance with SDG 7 (Affordable and Clean Energy)

DIT University promoted startups under SDG 7 (Affordable and Clean Energy) by organizing a one-day workshop on "Entrepreneurship and Innovation as Career Opportunity." The event aimed to inspire students to pursue entrepreneurial ventures focused on sustainable energy solutions. Participants were encouraged to explore clean energy innovations and were guided on how to turn these ideas into viable businesses, aligning with the global goals of affordable and clean energy development.

Organizing Team: Institution's Innovation Council, DIT University, Innoscale Global Foundation and Engineering & Technology Club, SoET

Objective: The main objective of this workshop is to create awareness and motivation among students to start their startup journey.

Brief Description: The session started by welcoming of all participants, guest speaker and faculties. After that the session was addressed by the **Pro Vice Chancellor Prof. Priyadarsan Patra**. **PVC Sir** addressed the session by welcoming everybody present at the workshop. He talked about why Entrepreneurship in today's world plays very important role. He talked about everyone has an ability to innovate but with the right medium and resources it becomes an easy job. A person should be motivated and enthusiastic and have zeal to be an entrepreneur. Start from the small steps and gradually it will turn into a successful startup or business.

After some motivated words by PVC Sir the session is addressed by Guest Speaker **Mr. Shishir Miglani**. He started his session by asking questions to students about what they understand from Entrepreneurship.

On the basis of those answers he started his session by giving examples. For making session more interacting he started doing small activities with each and every student to make them speak and put up their views without any shyness. After that he talked about his startup journey about

how he started and closed it also. He start asking audience about the problems they face and how they can find its solution that is what we call as innovation.

Many students and faculties start sharing their ideas or issues they face and what solutions can be provided to overcome that problem. And that's how a one can start innovating from idea to prototype and then to complete business.

Geotagged photograph of the event.

Session Photographs:

Media/News Coverage (if any)

Attendance Sheet (Scanned copy with signature of the participant)

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Name of the Event Coordinator/Convenor: Entrepreneurship and Startup Club in association with CIIES, IIC DIT University	Name of the Event: EmergeX: The Innovation Nexus
Name of the Collaborator(if any) :	Name of The Resource Person (Multi entry in case of more than one resource) :
Start Date and End Date : 03.11.2023	No. of Participant (Students and Faculty) : 29

DETAILS ABOUT THE EVENT:

Event Description
Brief text with introduction, event details, content and outcome:

Relevance with SDG 7 (Affordable and Clean Energy)

DIT University promoted startups under SDG 7 (Affordable and Clean Energy) by organizing a one-day workshop on "Entrepreneurship and Innovation as Career Opportunity." The event aimed to inspire students to pursue entrepreneurial ventures focused on sustainable energy solutions. Participants were encouraged to explore clean energy innovations and were guided on how to turn these ideas into viable businesses, aligning with the global goals of affordable and clean energy development.

Objective: The main objective of this challenge is to identify the students who are interested in entrepreneurship and to know about their ideas and help them to convert idea to pilot stage.
Brief Description: The challenge started by the introduction of judges by the students. The judges were:
 Dr. Hiranmoy Roy (Dean, School of Liberal Arts & Management)
 Dr. Nafees Ahamad (AP and HOD EECE Department)
 Dr. P. S Sharma (Assistant Professor, EECE)
 Dr. Parveen Kumar (Associate Professor, Department of Physics, In-Charge CIIES)

After that the brief description about the session is given by Entrepreneurship and Startup club student head Pradhum Srivas.
And the session started by the anchor introducing different participants with different ideas. Various ideas was discussed by students such as:
 Earthquake alarm
 Government Gateway
 Reusing of pollution from factories
 Street food to home.
 Breaking apple monopoly.
 Application for rural areas (Youth Awareness and Development)

Virtual Chemistry Lab
Application for Stress & Time Management
Use of other supplements instead of plastic in sanitary pads.
And many more such ideas were introduced and discussed by students and judges. Various solutions and help is provided by the judges to participants to enhance their ideas to work more on it and convert it into pilot stage for the next phase idea competition.

Geotagged photograph of the event.