

Theme of The Event: Online Session on Prototype/Process Design and Development- Prototyping.

Date: 28th November 2022

Total Number of Student's Participants: 55

Program Theme: Entrepreneurship/Leadership/Innovation

About the Event:

The Event was conducted in online mode on Zoom Platform at Pranveer Singh Institute of Technology, Kanpur.

The Students Participated with full enthusiasm. The Objective of the Prototype/Process Design and Development- Prototyping is to provide a brief idea of prototype and about it's important in the manufacturing industry and other sectors. Prototype design and development is an important step in the product development process, as it allows designers and engineers to create a physical or digital representation of their ideas and test them before committing to mass production.

In Totality, this event helped the students a lot.



























Title of the Event: Session on How to Plan for Startup and Legal & Ethical Steps

Speaker Name: Mr. Nand Kishore Sharma

Date: 29th November 2022

Total Number of Students Participants: 57

Program Theme: Entrepreneurship/Leadership/Innovation

About the Event:

The Event was conducted in the online mode on Google Meet Platform at Pranveer Singh Institute of Technology, Kanpur. The Students Participated with full enthusiasm. The session given by the speaker is designed to provide practical guidance and advice to entrepreneurs at various stages of the startup process. Also told by the speaker, whether you're just getting started or you've already launched your business, the session can help you develop a plan for success and navigate the legal and ethical challenges that may arise.

During the sessions, the speaker covered a variety of topics, including market research, business planning, branding, funding, and legal and ethical considerations.

In Totality, this event helped the students a lot.









Entrepreneurship is a <u>agregation process</u>

BUSINESS ENTITIES



PROPRIETORSHIP

No negativation required, only DAE person is required to start a Sole. Progrationship Firm. Benks may require: GSTN for bank accounts.



LIMITED LIABILITY PARTNERSHIP

A form of Partnership where liability is limited, Registration is mandatory with the Ministry of Corporate Affairs.



PARTNERSHIP FIRM

Two or more person may start a Perbanning firm by executing its chartered documents called Partnership Agreement. Registration is optional.



COMPANY

DPC or Private Limited Company can be registered with One/Two members, respectively, with Ministry of Corporate Atlaim. Pvt. Ltd. is ideal business model for the StartUps.









COMPANY REGISTRATION: PROCESS



Applications filed with the MCA require to be alignally signed. All subscribers shall require a DSC. Iff1 take 4 **2 ₽**

Occument Preparation Once name get reserved, necessary documents to be prepared with that name. It will take 4 working hours.



Transfer of Capital Initial Capital require the transferred to the Company's Bank Account within 50 days.

BUSINESS ENTITIES : COMPARISION

S. No.	Basis	Partnership	LLP	OPC	Private Limited Company
1.	Governing Law	Partnership Act	Limited Liability Partnership Act	Companies Act	Companies Act
2.	Chartered Documents	Partnership Agreement	Partnership Agreement	MoA & AoA	MoA & AoA
3.	Minimum No. of Members Required	Two	Two	One	Two
4.	Minimum No, of Board Members Required	Two	Two	One	Two
5.	Minimum Board Meetings	No Such Requirement	No Such Requirement	Two	Two
6.	Shareholders" Meeting	No Such Requirement	No Such Requirement	No Such Requirement	One









AGREEMENTS

01	FOUNDERS' AGREEMENT Roles & Responsibilities, Equity Sharing Ratio, IP Agreement, Vesting and	1	Automation
02	PARTNERSHIP AGREEMENT Contribution, Profit & Loss Sharing, Pates & Responsibilities, Obligations etc.		AGREEMENTS
03	INVESTMENT AGREEMENT Dilution, Period, Edit, Vesting, Rights, ROFR, Anti- shutter, Reserved Matters ets.	9	
4	EMPLOYMENT AGREEMENT Roles & ReportsFilly, Liabilities, Remuneration, 1PR, Termination at:		
Ö	NON-DISCLOSURE AGREEMENT Sensitive Information, Obligations, Waiver, Period, Process of Disclosure, Caver Mc.		



Theme of The Event: Demo Day/Exhibition/Poster Presentation Ideas/PoC Linkage with Innovation Ambassadors/Experts for Mentorship Support-Manage through YUKTI-NIR.

Date: 30th November 2022.

Total Number of Participants: 127

Program Theme: Entrepreneurship/Leadership/Innovation

About the Event:

The Event was conducted in the offline mode at Pranveer Singh Institute of Technology, Kanpur. The Students Participated with full enthusiasm and the event held in diverse rooms. The students/participants showcased their innovative start up projects and implementations. There were a panel of Judges who evaluated the projects of the students. They categorized them into different grades allowing them to reach a conclusion and participants were rewarded as well.

In Totality, this event helped the students a lot.





























































































Theme of The Event: PPDT- Picture Perception and Detection Test (Entrepreneurship).

Date: 30th November 2022.

Total Number of Students Participants: 53

Program Theme: Entrepreneurship/Leadership/Innovation

About the Event:

The Event was conducted in the offline mode at Pranveer Singh Institute of Technology, Kanpur.

The Students Participated with full enthusiasm and the event was held in diverse rooms. The PPDT is a unique event that tests participants' creativity and storytelling skills based on entrepreneurship. The event presents participants with a hazy, black-and-white picture and challenges them to write a compelling story based on the image. The event is a fun and interactive way to test participants' creativity, imagination, and communication skills based on entrepreneurship. The PPDT event encourages students to think creatively and develop a storytelling mindset, essential skills for entrepreneurs and innovative thinkers.

Overall, this event helped the students a lot.





















































Theme of The Event: National Pollution Control Day

Date: 2nd December 2022

Program Theme: Air Pollution and Climate Change

About Event:

The Event was conducted at Pranveer Singh Institute of Technology, Kanpur. The Students Participated with full enthusiasm. The Seminar addressed the intricate relationship between air pollution and climate change, emphasizing the significant impact of air pollution, specifically tropospheric ozone, on plant health and agriculture.

Eminent experts shared insights on how air pollution and climate change intersect and can threaten global health, the environment, and food security. The use of remote sensing technology, including satellite imagery, was highlighted for monitoring air pollution. Tropospheric ozone's adverse effects on plant physiology, growth, and crop yields were discussed, with India's high ozone concentrations posing a hidden risk to agricultural regions and farmers.

The Seminar aimed to raise awareness about the interconnected challenges posed by air pollution and climate change and their implications for plantbased ecosystems and food production.

The Main objectives of this session is to-

- Spread awareness about the damaging effects climate change and air pollution is having on our environment and how we are fighting it.
- Also, Encouraging participants to be aware about how they can avoid pollution caused due to industrial processes or human negligence and think innovative solutions for pollution free environment.
- Lastly, Raise awareness towards the cause of pollution, and to remind participants about the different ways to reduce pollution.

Overall, this event helped the students a lot.









IKONOS Image of FRI Plantations, Dehradu



Progress in Imaging Technology....

















Large Area Land Use/Land Cover Monitor











Theme of The Event: National Energy Conservation Day

Date: 14th December 2022

Program Theme: Energy Conservation, Technology, Renewable Resources,

Innovation.

No of Students Participants: 58

About Event:

The Event was conducted at Pranveer Singh Institute of Technology, Kanpur. The Students Participated with full enthusiasm.

The Seminar addressed how National Energy Conservation Day, marked annually on December 14th, highlights the importance of energy conservation and raises awareness about climate change. The power sector encompasses generation, transmission, and distribution, with power generation categorized into non-renewable sources like coal, oil, natural gas, and nuclear, and renewable sources including solar, wind, hydro, and geothermal energy. As electricity demand rises, non-renewable resources are depleting, underscoring the urgency of transitioning to renewables.

India is poised for significant shifts, with solar power expected to surpass gas and coal by 2024 and wind power capacity projected to reach 53 GW. Tidal and geothermal energy are explored, though in early developmental stages. Efficient transmission relies on substations, conductors, and insulators. Embracing renewables and mindful energy use are crucial to combat global warming.

Engineers play a vital role in this transformation, staying updated with advancements, while individuals can contribute through actions like adopting solar energy and reducing home consumption. Collective efforts in spreading awareness and taking responsible energy-saving steps are essential to protect the environment.

The Main objective of this session is to spread awareness energy conservation, solar power and shifting our dependency towards renewable sources of energy.

Overall, this event helped the students a lot.









14th DECEMBER, NATIONAL ENERGY CONSERVATION DAY

- The Energy Conservation Act was implemented by the Energy Efficiency Bureau (BEE) in 2001.
- The day focuses on making people aware of global warming and climate change and promotes efforts towards saving energy resources.
- Most of the energy sources we use in our daily lives are 'non-renewable' and they can not be reused and renewed. It is said that our energy resources may last only for another 40 years or so.



- A. CONVENTIONAL or NON-RENEWABLE ENERGY
- I. THERMAL POWER GENERATION
- India's first Thermal Power Station Hussain Sagar Thermal Power Station (1929), Hyderabad, Telengana
- India's LARGEST Power Plant Vindhyachal Thermal Power Plant Thermal Power Plant, Singrauli, M.P. under NTPC. Capacity – 4760 MW

Sources -

- 1) COAL 206404.50 MW
- 2) GAS 24956.51 MW
- 3) LIQUED FUELS (DIESEL) 509.71 MW

* The total power generation in Thermal Power Plants as of 31.01.2021 across India is 71%-75% of total power generation of India

POWER GENERATION



ADVANTAGE -

- 1. The efficiency of the energy source is high
- 2. This energy source is a well-known source
- 3. The production expenses are low

DISADVANTAGES

- 1. It is not environmentally friendly
- 2. When used on a longer run, can deplete soon











Non-renewable and Renewable Energy

- Non-renewable Resources
- 1. Oil
- 2. Natural Gases
- 3. Coal
- 4. Nuclear Energy
- Renewable Energy sources
- 1. Biomass
- 2. Hydropower
- 3. Geothermal
- 4. Wind
- 5. Solar



ENERGY SOURCES









FUTURE OF THERMAL POWER IN INDIA

- CEA (Central Electricity Authority) has estimated that capacity utilization of coal-based thermal power plants will fall to as low as 48 per cent by 2022 as additional non-thermal electricity generation capacities come on stream.
- The COVID-19 pandemic and national lockdown has reduced power demand. coal-fired plants today are running at haif their capacity



SOLAR POWER

As of 31.01.2021, total the total installed capacity of solar power stood at 38,794 MW (including 34,561 MW of ground-mounted capacity and 4,233 MW of rooftop capacity).

India is interesting a Tacket powered resolution.² That will see it edge out cash as the ratilier's top electricity source, according to the international record Agency 2CAL

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power supply but it is set to grow LB fold and became the new "king of India's generation fleet," by at loss 2040

Designeed for max, 246.2 additing the concentrated scher power technologia

The solar thermal power plant is been due shoften due activities and with 200 such solars to generate 1 Advances (1) 5 Advance











