

National Technology Day

11th May 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram streamed an online inauguration session of “**National Technology Week Exhibition**” for its students held at Pragati Maidan, New Delhi (The MOE and AICTE Innovation Pavilion) on **11th May 2023**.

The National Technology Week was held under the theme ‘School to Startup - igniting young minds to innovate’ from **11th -14th May 2023** at Pragati Maidan, New Delhi. The is celebrated every year on **11th May, 2023** in India. The former Prime Minister of India, Atal Bihari Vajpayee established National Technology Day in 1999 to commemorate the Pokhran Nuclear test.

Prime Minister **Shri Narendra Modi** inaugurated the programme. Stakeholder ministries and departments namely Atal Innovation Mission, NITI AAYOG, DST, DRDO, DOS, DAE, CSIR, DBT, MoES, DoT, MEITY, AICTE and DPIIT also participated in the grand expo. The day highlighted the achievements of tech giants, researchers, and engineers in technology in the country. National Technology Day is the perfect occasion to acknowledge the effort of scientists and engineers as growth drivers.

The programme also marked the commencement of the celebration of the 25th year of National Technology Day being held from the **11th -14th May**. On the momentous occasion, the Prime Minister laid the foundation stone and dedicated to the nation multiple projects related to scientific and technological advancement in the country worth more than Rs. 5,800 crores. This was in line with the Prime Minister’s vision of ‘Atmanirbhar Bharat’ through strengthening scientific institutions in the country.

The projects whose foundation stone was laid included Laser Interferometer Gravitational Wave Observatory – India (LIGO-India), Hingoli; Homi Bhabha Cancer Hospital and Research Centre, Jatni, Odisha; and Platinum Jubilee Block of Tata Memorial Hospital, Mumbai.

The projects dedicated to Nation included Fission Molybdenum-99 Production Facility, Mumbai; Rare Earth Permanent Magnet Plant, Visakhapatnam; National Hadron Beam Therapy Facility, Navi Mumbai; Radiological Research Unit, Navi Mumbai; Homi Bhabha Cancer Hospital and Research Centre, Visakhapatnam; and Women & Children Cancer Hospital Building, Navi Mumbai.

During the programme, the Prime Minister also inaugurated the Expo showcasing scientific & technological advancements made in India in the recent past and also took a walk-through. He also released a commemorative stamp and coin on the occasion.

It was an extremely informative and enriching session that helped the students understood government role in fostering scientific and technical growth.

Attending the expo provided students with an excellent opportunity to research and learn more about the field of intellectual property, as they explored policy ideas along the lines of this year’s theme for driving the increased participation of women in innovation and creativity landscape.

The event ended with the vote of thanks by Mrs. Dimple Saproo. Overall, the event was interactive and inspired participants of the institute to innovate and protect their creations.



NISP Refresher Session on "Design Effective Innovation & Startup Policy in HEI's"

16th February 2023

NISP Refresher Session on “**Design Effective Innovation & Startup Policy in HEI’s**” was attended by Innovation Ambassadors along with students of **Dronacharya College of Engineering, Gurugram** on **16th February, 2023**.

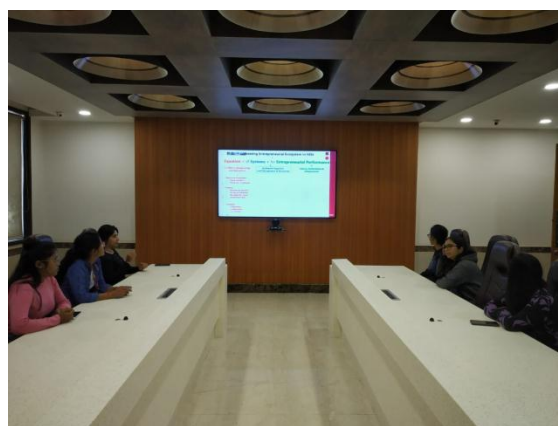
Keynote speaker of the session was **Mr. Dipan Sahu (Assistant Innovation Director, MIC)**. He started the session by explaining about market, market failure and the factors leading to market failure. He underlined the fact the market operates in a natural manner and all the innovations must be carried out keeping the expectations of the market. He also said, critical thinking is a vital factor for producing the desired results. Moving further, he explained the concept by giving examples of Innovation and Startups, the difficulties involved with flourishing which in a nut shell are ineffective designs, plans and ideas. Moving further, he said, intervention of government, government organizations and big organizations are necessary for startups to flourish.

He then took the session forward and discussed ‘Policy document’ which in simple words gives vision and direction to the innovators. He also discussed the levels of Policy formulation that could be divided into Micro and Macro levels. Then he underlined two major reforms that happened in the education industry, viz: NEP and NISP. Speaking about NEP, he said there is a reduction in the curriculum in order to give space for critical and experiential learning.

He continued the session and briefed NISP. He explained, it is a policy intending to guide HEI’s to promote students and faculty driven innovations and startups in HEI’s. He highlighted the features of NISP, told about budget allocation of minimum 1% of institution’s total budget, 2%-9.5% equity stake by the Institute’s Incubator in case of using Institute’s facilities/resources. He also suggested providing break for carrying innovation activities and allowing students and faculties to re-join the institute. Proper recognition and rewarding mechanism must also be set up as a part of policy formulation. He also laid stress upon setting up of pre-incubation and incubation facility at the institute’s level and also suggested that both must go in a coordinated manner.

Moving further, he said, the innovation entrepreneurship must not only be used to put in CV (for faculty) or getting a job (for student). This must be carried in a continued manner. He also gave hint upon decrement in IP filing rates and also clarified that institute cannot claim ownership of the invention thus made.

He advised, institute to make their own Innovation Policy by taking reference of NISP document. In the end, he explained how NISP and ARIIA are interconnected.



Case Study Competition on "National Startup Day"

14th - 16th January 2023

Institutions Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram celebrated “National Startup Day” on 16th January, 2023. A “Case Study Competition” on the topic – “From Start up to Success: An Entrepreneurial Case-Study” was organized from 14th - 16th January, 2023. 50 students from CSE/CSIT/IT/ECE/ECS/EEE/ME departments participated in the competition. The coordinator of the competition was **Prof. Pooja Sharma** (ECE Dept.)

The motive behind conducting the case study was to encourage the idea of entrepreneurship and to give a boost to schemes like Make-in-India.

The rules for the case study competition were told to the students beforehand. All the participants were required to submit their case study till 14th January, 2023. The shortlisted participants were advised to present their ideas by way of Power Point Presentation on 16th January, 2023. The criteria of evaluation on the final day of competition were the aggregation of judge's score and voting of student attendees in real time of the competition.

The activity encouraged the students to express their ideology using the colors of imagination. The activity kept the students engaged and gives them all an opportunity to explore successful businesses. It inspired them to think and to work creatively in order to understand entrepreneurship.



Poster Presentation of Ideas

13th January 2023

Institution Innovation Cell (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized a **Poster Presentation of Ideas** on **13th January, 2023**. The Ministry of Education (MoE) Government of India has taken an initiative to create a National Innovation Repository (NIR) – YUKTI.

Ideas, Proof of Concept, Prototype, Innovations, Business-Model, Startups will be verified and if found suitable, they will be recommended to the MOE's Innovation Cell for further consideration by the institute. WHO CAN REGISTER ON YUKTI ? Faculty, staff and students including the Alumni are invited to submit their Ideas, Proof of Concept, Prototype, Innovations, Business-Model, Startups on the YUKTI Portal at the link <https://yukti.mic.gov.in/login/SUMyMDE4MTAyODA>. The basic eligibility for submission of application is that applicant should have/had association with the Institute as

- current student,
- alumni,
- faculty,
- staff

Applicants must upload the copy of document/ID proof of association with the DCE while registration at the portal. The registration is open now. Specific Guidelines are available on the YUKTI portal for reference. WHY SHOULD YOU REGISTER ON YUKTI ? It is a very good opportunity to showcase your Ideas, Proof of Concept, Prototype, Innovations, Business-Model, Startups at the national level and also there is a possibility of being selected and supported by the MOE and other organizations. So don't miss the opportunity to upload your Idea/Innovation/ Business Model/Startup on the MOE's Portal.

A total of 106 ideas were registered in this idea challenge, out of which 38 ideas were finalized.



Invited talk on World Entrepreneur Day

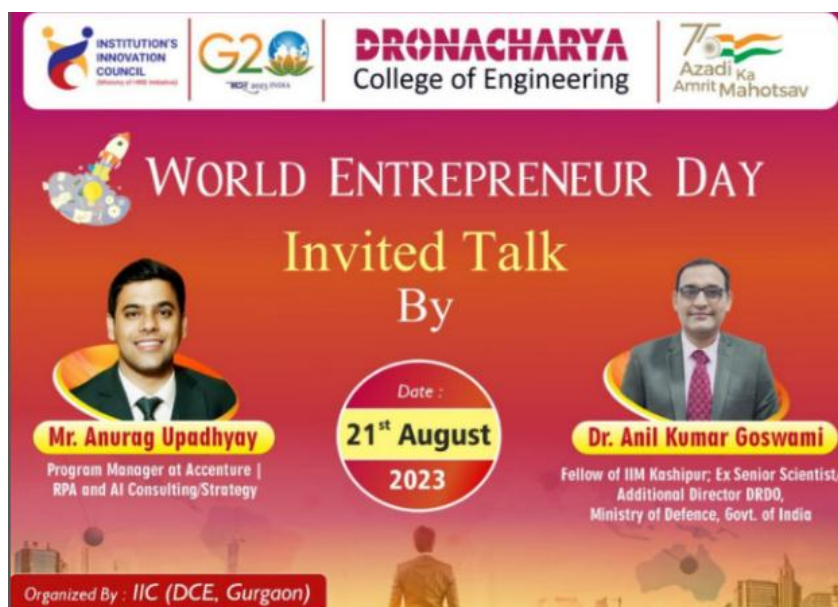
21st August 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE) Dronacharya College of Engineering, Gurugram conducted the “**Entrepreneurial Talk**” on the **21st August, 2023** on the occasion of **World Entrepreneurs Day**. Prominent industry leaders shared their impactful thoughts. The speakers for the day were **Mr. Anurag Upadhyay (Program Manager at Accenture| RPA and AI Consulting/Strategy)** and **Dr. Anil Kumar Goswami(Fellow of IIM Kashipur, Ex. Senior Scientist/ Additional Director DRDO, Ministry of Defence, Govt. of India)**. They enlightened the students with their insightful thoughts and encouraged them to own up to their entrepreneurial ideas.

The event began with a welcoming address to the Chief Guests, faculty and students by Prof. Shivani. She emphasized the importance of entrepreneurship and the need to change the institute from being the center of job-seekers to the center of job creators. The change in Consumer Behaviour is bringing a plethora of opportunities. She shared an example of an DCE alumnus who had a blueprint of an idea and acted upon it to leverage the opportunity.

According to speakers, an entrepreneur is someone who observes his environment and the market and understands what problems need to be solved. Mr. Anurag also suggested that one should also assess whether the solution is acceptable and adaptable by the market. He added, a businessman just runs a business, but an entrepreneur brings logic to the business idea. He shared his journey and the ups and downs he faced. He concluded his speech with a message that not all entrepreneurial ideas are successful, some might fail, but only those who learn from their mistakes will become triumphant.

Speakers also shared their experience of starting an organization with an interactive presentation. Dr. Anil emphasized, the process might be lengthy, from finding a suitable partner to an angel investor, but if one has a unique idea, then any startup can succeed. According to him, there is a need for educated and well-informed people in the agriculture domain as there is much potential for future growth in the sector.



Training Session for MD Senior Secondary School Mankrola On

World Creativity and Innovation Day

21st April 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized Training cum boot camp session for Atal Tinkering Lab for students of classes VIII-XI and for teachers of Science, Math and Computer departments on Friday, **21st April 2023** of M D Senior Secondary School. **Prof. Pooja Sharma** along with **Prof. Neha Verma** were the resource person of the session enlightened them about ATL, its need and origin, Innovation council, innovation and entrepreneurship.

In the session, the objectives of Niti Aayog, Government of India for setting up ATL- a space for creation rather than observation and its utilization were discussed. Students were sensitized about the need for non-curricular based experimentation and integration of idea and theories which students generally face during their day-to-day interaction with science and its inventions.

The workshop involved the following disciplines:

- Use of Technology in various fields
- Hands-on assembly
- Presentation on concepts of innovation
- Demonstration of Arduino, 3D Printing etc.

Prof. Neha Verma expressed need to focus on making products which have significance in everyday life and therefore are relevant to the industry. This will allow young children to get a chance to work with tools and equipment to understand the concepts of STEM (Science, Technology, Engineering and Math). ATL contains educational and learning 'do it yourself' kits and equipment on – science, electronics, robotics, open-source microcontroller boards, sensors, 3D printers and computers.

This initiative will foster the culture of ideation, innovation, entrepreneurship, creative thinking, design thinking, prototyping, out-of-box thinking, and IP commercialization by facilitating the training (for teachers), field visits, leadership talks, awareness, orientation sessions, boot camps, national-level exhibitions, hackathons, skill modules, new courses for students, linking of school innovation ecosystem with higher educational institutions (HEIs), etc. at schools. The sessions were enriching, informative and educational leaving everyone excited and inspired.



Bootcamp on “New Product Development”

21st April 2023

A one-day **Bootcamp on “New Product Development”** was organized on **21st April 2023** to provide B.Tech students with a comprehensive understanding of the process involved in transforming innovative ideas into market-ready products. The session focused on the various stages of product development, including idea generation, market research, prototyping, product design, testing, and commercialization. Through expert-led discussions and interactive activities, students learned how to identify customer needs, analyze market trends, and develop viable product solutions that address real-world problems.

The bootcamp emphasized a hands-on, practical approach, encouraging participants to work in teams and brainstorm innovative product concepts. Industry mentors shared their experiences and guided students on aspects such as design thinking, product validation, and go-to-market strategies. The event aimed to nurture a spirit of innovation and entrepreneurship among students by equipping them with essential skills for developing impactful and competitive products in today’s dynamic technological landscape.



Workshop on Pitch Deck Preparation & Fundraising Techniques

16th February 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized a workshop on **"Pitch Deck Preparation & Fundraising Techniques"** on **16th February 2023** to equip B.Tech students with the essential skills required to effectively present their startup ideas and secure funding. 45 students participated in the workshop.

The session focused on the key components of a successful pitch deck, including problem identification, solution overview, business model, market analysis, competitive advantage, financial projections, and team structure. Students were guided on how to communicate their ideas clearly and persuasively to potential investors, mentors, and incubators.

Experts from the startup ecosystem and venture capital firms shared insights on various fundraising techniques, such as bootstrapping, angel investment, venture capital, and crowdfunding. The workshop included live demonstrations and critique sessions where students presented mock pitches and received valuable feedback. By the end of the event, participants gained practical knowledge on building investor-ready presentations and understanding the mindset of investors, preparing them to navigate the startup funding landscape with confidence.



Seminar on Legal and Financial Literacy for Student Entrepreneurs

17th October 2022

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized a seminar on "Legal and Financial Literacy for Student Entrepreneurs" on 17th October 2022 to empower B.Tech students with essential knowledge about the legal and financial aspects of launching and managing a startup. 80 students attended the seminar.

The session aimed to bridge the gap between technical innovation and business execution by familiarizing students with key legal frameworks, including business registration, intellectual property rights, contracts, and compliance requirements. Students gained valuable insights into the importance of understanding legal responsibilities to avoid risks and build a strong foundation for their entrepreneurial ventures.

On the financial front, the seminar covered basics such as budgeting, accounting, taxation, funding sources, and financial planning for startups. Experts from the legal and finance domains shared real-world examples and practical advice, emphasizing how sound legal and financial literacy is crucial for long-term business sustainability. Interactive discussions and case studies helped students relate theoretical knowledge to practical scenarios, encouraging them to take informed and confident steps in their entrepreneurial journey.



Workshop on Use of Stock Market for Entrepreneurs

6th September 2022

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized a workshop on "Use of Stock Market for Entrepreneurs" on 6th September 2022. 37 students participated in the workshop.

The workshop aimed at introducing B.Tech students to the significance of financial literacy and investment strategies in entrepreneurial success. The session highlighted how a solid understanding of the stock market can empower entrepreneurs to make informed financial decisions, manage capital effectively, and explore alternative funding routes for their ventures. Experts from the finance and investment sectors explained key concepts such as equity, market trends, IPOs, and risk management, tailored specifically for budding entrepreneurs.

The workshop also covered the strategic role of the stock market in scaling up startups, including how entrepreneurs can eventually take their companies public and attract investors. Real-life case studies of successful startup IPOs were shared to provide practical insights into the opportunities and challenges of stock market participation. The interactive session encouraged students to consider stock investment not just as a personal wealth-building tool, but also as a vital skill for long-term business sustainability and growth.



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Innovation Design and Entrepreneurship Bootcamp (Organized by)

Ministry of Education's Innovation Cell and AICTE

22nd - 26th June 2023

Innovation Design and Entrepreneurship Bootcamp was organized by Ministry of Education's Innovation Cell and AICTE from **22nd - 26th June, 2023** at six venues (**IIT Bhubaneswar, IIT Guwahati, IISER Bhopal, NITTTR Chennai, NITTTR Chandigarh, COEP Pune**) across India. **22 students** along with 2 Faculty Members (Prof. Ashish Khurana and Prof. Pooja Sharma) from **Dronacharya College of Engineering, Gurugram** were shortlisted to attend the bootcamp at different location. **18 students (9 Teams)** along with **Prof. Pooja Sharma** attended the 5 days **IDE bootcamp at NITTTR Chandigarh, IISER Bhopal, IIT Bhubaneswar.**

The bootcamp focused on Integrated Development Environments (IDEs). The camp featured expert-led sessions, hands-on workshops, and collaborative activities that provided participants with a comprehensive understanding of IDEs and their applications in software development. Through engaging lectures, interactive discussions, and real-world case studies, attendees gained valuable insights into the features, customization options, and best practices of popular IDEs. The event fostered networking opportunities and encouraged participants to continue exploring IDEs for enhanced productivity and efficiency in their software development endeavors.

All the experts there were trying to solve all the problems participants faced and gave knowledge about entrepreneurship. A major part of the camp was the pitching of ideas which was done after the workshop of 3 days.

The five-day boot camp was an intensive and transformative experience. It provided students with numerous opportunities to learn, grow, and connect with likeminded individuals.

Hands-on Learning: The camp emphasized practical learning through hands-on activities, group discussions, and real-world case studies. The approach enabled students to apply the concepts and techniques learned in a simulated environment, enhancing the understanding and retention.

One of the most valuable aspects of the boot camp was the opportunity to network with professionals from diverse backgrounds. Engaging in discussions, collaborating on projects, and exchanging ideas with peers and industry experts broadened perspective and provided valuable insights.

Personal Growth: The boot camp not only focused on professional development but also fostered personal growth. Through self-reflection exercises, mindfulness practices, and motivational talks, participants gained a deeper understanding of their strengths and areas for improvement.

Inspiration and Motivation: The boot camp was an inspiring environment that motivated students to strive for excellence. The guest speakers shared their success stories, challenges, and valuable advice, which left a lasting impact on everyone. It ignited a sense of passion and determination to pursue goals.



DRONATHON'23: Annual Tech Fest

6th - 8th April 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE), GFG student chapter, GDSC Dronacharya College of Engineering, Gurugram organized a 3 day long tech fest **"DRONATHON'23"** from **6th – 8th April 2023**. **Dr. Ashima Mehta** was the coordinator of the fest. Chief Guests for the fest were: **Mr. Parth Mahajan** (Associate Engineering Manager at Tata 1mg along with being a Frontend Lead, a Technical Writer, Public Speaker and an open-source contributor), **Mr Animesh Seemendra** (Research Engineer at SHL Labs, ex-GDSC lead of JSS academy of technical education), **Mr. Rohan** (recognized among top 20 global certified communication and public speaking trainer and he currently serving as a sales officer in the Mindpurpose leadership) and **Mr. Gaurav Kumar** (associate software engineer at Unthinkable Solutions).

The 13 events that were organized in the fest are mentioned below:

- **Project Competition (6th-7th April):** Participants presented the working prototype/software/interface as a solution of any real-life problems.
- **Poster Presentation (6th April):** Participants made posters on the recent tech booming topics and present the solution in form of poster.
- **Paper Presentation (6th April):** Participants presented their research paper on the any of research done/ project.
- **Lingo-de (6th April):** Participants solved the high aptitude coding-decoding questions.
- **Bug Buster by GFG (6th April):** Participants found some errors/bugs in the given piece of code faster than others.
- **Drishti by GDSC (6th April):** Participants created content (video) describing how tech can clearly be described visually.
- **The Rumbling by GDSC(6th – 7th April):** A BGMI gaming event where the students logical ability and patience were tested.
- **Techpreksha 2.0 by GFG(6th – 7th April):** 36-hours long hackathon in which teams compete and presented their solution effectively to the panel of judges. Top 10 teams finally pitched their ideas with a working prototype.
- **Treasure hunt (6th April):** Participated teams decipher the clues and reach to next location and finally to the location to find treasure in the minimum time in 2 rounds.
- **Technical Kolam (6th April):** Solution can be described in any form. Taking rangoli as a challenge to depict the tech topics participants made a technical rangoli of the size assigned to them.
- **Technodium (7th April):** Participants gave their view on the tech topics given to them.
- **Chess Competition (7th April):** Participants competed in 2 rounds with each other on the online platform provided by chess.com.
- **Hack-o-relay by GDSC(6th – 7th April):** 36-hours long hackathon in which teams compete and presented their solution effectively to the panel of judges. Top 10 teams finally pitched their ideas with a working prototype.

During the tech fest 3 workshops of following topics were also conducted:

- Skills required in today's market conditions - using communication to advance in career on **6th April 2023** by **Rohan Chauhan** (Sales Officer in Mindpurpose Leadership, Certified communication and Public Speaking Trainer)
- Deploy your portfolio on AWS on **7th April 2023** by **Rishabh Sharma** (Founder and CEO CodeDev & Lead Front-end Developer @BlackNGreen Mobile Solutions, Microsoft Certified (AZ 900) Aviatrix Certified Multi-Cloud Associate).

- Leveraging Python and Looker Studio for Smarter Data Exploration and Visualization
7th April 2023 by **Ritu Pahwa** (Associate Professor & HOD, DCE) and **Mr. Ankit Verma** (Data Analyst with Idam house of brands, Certified in Machine Learning trainer for Computer Vision)



"Festival of Innovation and Entrepreneurship (FINE), 2023"

11th April 2023

Under G20's Presidency, **Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram** organized a visit to "The Festival of Innovation and Entrepreneurship (FINE 2023) on 11th April 2023 at Rashtrapati Bhavan. 55 students along with Professor Anita Choudhary visited FINE 2023.

The festival was organized by National Innovation Foundation (NIF), was a unique event that brought together entrepreneurs, innovators, and experts from various fields to share ideas, showcase innovative products, and discuss the latest trends in technology and business.

The students learnt from some of the best and brightest minds in the industry, and to network with other like-minded individuals who are passionate about creating a better future through innovation and entrepreneurship.

FINE was a unique effort which promoted science, technology and innovation and encouraged the citizens to undertake entrepreneurship and make their mark in India and abroad. The spirit of entrepreneurship and the zeal of students to find solutions to challenging problems was encouraged.

It was a fantastic event that provided valuable insights and inspiration to entrepreneurs and innovators of all levels.

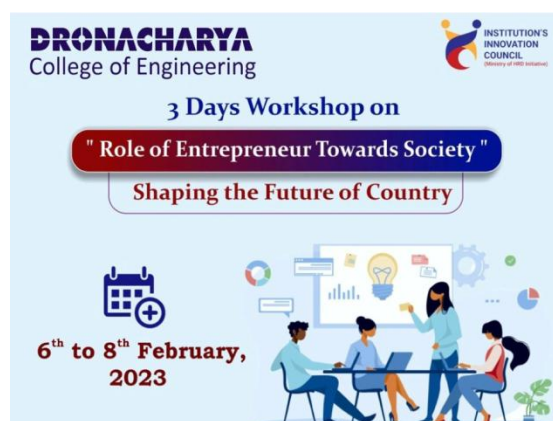


Shaping the future of Country, 3 Days Workshop on Role of Entrepreneur towards Society

6th – 8th February 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized three-day workshop titled **"Shaping the Future of the Country: Role of Entrepreneur Towards Society"** from **6th to 8th February 2023** to instill entrepreneurial values among B.Tech students and highlight the crucial impact of entrepreneurship on societal development. The workshop focused on how young innovators can become agents of change by identifying local and national problems and offering sustainable, tech-driven solutions. Industry experts, successful entrepreneurs, and academicians shared their journeys, emphasizing the importance of social responsibility, ethical practices, and inclusive growth in entrepreneurial ventures.

Participants were engaged in hands-on activities, brainstorming sessions, and idea-pitching exercises that encouraged them to think beyond profits and consider the broader social impact of their innovations. Topics such as social entrepreneurship, startup ecosystem in India, funding opportunities, and government schemes like Startup India were discussed in detail. The workshop aimed to empower students with the mindset and tools necessary to drive societal progress through innovation, making them not just job-seekers but job-creators and responsible citizens.



Workshop on Entrepreneurship and Innovation as Career Opportunity

2nd February 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE) Dronacharya College of Engineering, Gurugram organized a session on “Entrepreneurship & Innovation as Career Opportunity” for B.Tech students on 2nd February, 2023. The speaker of the session was Mr. Sushil Kumar Aggarwal, (Chairman & Director Avro India Limited). 45 students attended the session. The main objective of the session was to inform students about the career opportunities in Entrepreneurship and Innovation and encouraging them to make positive changes in society.

Mr. Aggarwal explained, India is a vast country and the need for carrying innovative projects and starting of fresh start ups is a must to increase employment opportunities and thus growth in GDP. He explained, entrepreneurship in detail, roles of an entrepreneur and barriers associated with entrepreneurship. He explained that making profits from a business is a long and risky affair. He illuminated many examples for the easy understanding of the students.

In the end, an interactive question and answer session was conducted to satisfy the doubts of the students. Students of Dronacharya Group of Institutions, Greater Noida extracted a lot of valuable information from the session. The session ended with a vote of thanks by the Principal Prof. (Dr.) Isha Malhotra.

Objective: To make students aware about the career opportunity in Entrepreneurship and Innovation. **Benefits:** Students got to know about entrepreneurship in detail, roles of an entrepreneur and barriers associated with entrepreneurship.



Session on "Lean Start-up & Minimum Viable Product/Business"

27th August 2022

The EDC Cell and Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized a session on "Lean Start - up & Minimum Viable Product/Business" on 27th August, 2022.

The session was in tune with the national mission initiated by the Honorable Prime Minister that the youth should set up their own ventures so as to generate employment.

Dr. Shipra Arora, the resource person of the session, was delighted to share her experience in this regard and said, "Lean start-up is an approach to building new ideas based on self-belief that entrepreneurs must test and recapitulate as they develop products". Rather than being job seekers they should aim at becoming job givers.

She also went on to explain the five principles of lean start-ups. She also stressed on the fact, Lean Start-up provides a scientific approach to creating and managing start-ups and getting a desired product to customers' hands faster. **Dr. Shipra Arora** started with speaking about lean startups. She then went ahead to explain the difference between Proof of concept, Minimum Viable Product (MVP) and Minimum Marketable Product (MMP). She explained it with the help of example of Pizza chain. She also explained in detail, the Business Model Canvas. Finally, after the end of her presentation, she answered the questions asked by attendees.

Mrs. Pooja Sharma, the coordinator of the event gave vote of thanks.



Workshop on Design Thinking, Critical Thinking and Innovation Design

26th – 27th February 2023

The Workshop includes • Design Thinking Skills • The psychological principles of problem solving and creativity. • The relationship between creativity, problem solving, and product performance Institution's Innovation Council, Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram conducted a session on “Design Thinking, Critical Thinking and Innovation Design” on 27th February, 2023. Third Year B.Tech students attended the program. Mr. Naveen Verma, Design Engineer. Congruex Asia Pacific, LLP was the resource person of the interactive session. He spoke about innovation and creative thinking to the students who aspire to start their own ventures. He insisted on continuous critical thinking on products and adapt to the needs of the customers. Mr. Naveen highlighted the fact to carry innovation, critical thinking is a vital parameter. Assumptions must be made and there should be no lacking in the efforts to make the assumptions a reality. To make an idea a successful reality, proper application of the thoughts is also necessary. The session also covered how Design Thinking and Critical Thinking abilities are used to produce what customers really want. Towards the last, a detailed question-answer session took place and students cleared many misconception.



Innovation and Entrepreneurship Outreach program in School

20th January 2023

Institution Innovation Cell (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized a workshop for school students. Ms. Akancha Shekhar (Innovation Ambassador, IIC, DCE, Gurgaon) visited Aggarwal Public School, Ballabhgarh on 20th January, 2023.

She addressed on the topic “Vigyan se Vikas” and illuminated the students about the benefits of studying science and pursuing innovation. Students were made aware of the need to think logically and carrying innovative ideas. Further, she told all the students about the importance of participating in innovative activities at individual and group levels for the benefit of the country at large. She also explained, there are areas/fields wherein there are ample of opportunities for the youth of the nation to explore. She explained about the innovation practices through the examples of 5G technology. She also explained various renewable and non-renewable energy resources and the need to use them optimally. Reference of Electric Vehicles and the surging use of ethanol were also given by her to explain how innovation has reached to all the fields. At the end, students asked the queries and the same were answered by the Innovation Ambassador. The impact of the session on students was overwhelmingly positive.



Workshop on Entrepreneurship Skill, Attitude and Behavior Development

8th February 2023

As a part of the initiative of Ministry of Education, Innovation Cell (Government of India) - Institution's Innovation Council (MoE), organized an Entrepreneurship Skill, Attitude and Behavior Development Workshop on 8th February 2023.

The objectives of the workshop were

- To tell the students, the importance of innovation and idea generation.
- To develop them on out of the box thinking
- To develop problem solving skills of students
- To develop Entrepreneurial skills
- To make them successful future Entrepreneurs

The resource person for the workshop was Ms Kirti Gera, At the outset the students were welcomed, made aware about the objective of the workshop and the initiatives of Innovation Cell (Ministry of Education, GoI). The important aspects covered by the speaker during the workshop were

- The concept of Entrepreneurship
- Importance of innovation and idea generation
- Importance of problem solving
- The skills, characteristics, attributes and functions of Entrepreneurs
- The importance of creative thinking and strategic thinking About 100 students attended the workshop. The queries of the students were very well handled by the speaker. The overall feedback of the workshop was very positive.



Internal Yukti Innovation Challenge Hackathon 2023

10th -12th April 2023

Institution's Innovation Council (IIC), Ministry of Education (MoE), Dronacharya College of Engineering, Gurugram organized an Internal Hackathon; “YUKTI Innovation Challenge (YIC)” on **12th April, 2023**. Eighteen teams from all the departments actively participated in the competition and submitted their prototypes. The event was coordinated by Prof. Pooja Sharma and judged by Innovation Ambassadors - Prof. Neha Chauhan, Prof. Neha Verma and Prof. Anupam Dalal.

YUKTI – National Innovation Repository (NIR) is an initiative to build a system of repository of ideas, innovations and startups developed in academic institutions and enabling institutions to systematically foster the I&E culture by managing and nurturing these innovations by offering continuous support in terms of one-to-one mentorship, grant assistance, referral and linkage with incubation units, connecting with Angel/Venture Capital (VC) investors network, knowledge agencies, etc.

The purpose of the contest was to provide a platform for 360-degree experiential learning journey from idea generation to venture creation through intensive training, mentoring and funding support.

The participants demonstrated hardware and software solutions to the experts. They were required to present their ideas with maximum of 3 slides and the presentation time limit was 5 minutes. From YIC Internal Hackathon 2023 total 10 teams were selected for the final YIC 2023.



Session on Accelerators/Incubation - Opportunities for Students & Faculties - Early Stage Entrepreneurs

13th August 2022

The speaker for the session was Prof. Pooja Sharma. She is the convener, DCE, Gurugram. This session was conducted on behalf of the by Incubation Centre. The speaker covered various important points about:

- What services they offer for young entrepreneurs like mentoring, coworking space, legal accounting, and access labs to company registration.
- How their Incubation program takes place like from Ideation to discover to growth stage.
- She also talked about the successful start-ups in which they helped.
- She also talked about their achievements and awards.
- They also have well equipped lab which recognized by IIT Bombay. Learning Outcomes:
- Students got well versed with the concept of Incubation.
- The session helped young entrepreneurs who need necessary mentoring when they have an idea running in their mind.

The poster features a purple background with a starry pattern. At the top left, the text 'DRONACHARYA College of Engineering' is displayed in white and yellow. At the top right is the logo of the 'INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiatives)'. The central text reads 'SESSION ON Accelerators/Incubation' in yellow and white, followed by the date '13th August 2022' and the time 'TIME - 10:00 AM – 3:45 PM' in white. On the right side is a circular portrait of Prof. Pooja Sharma, a woman in a light green sari with a red lanyard. At the bottom left is the website 'ggnindia.dronacharya.info' and at the bottom right is the name and title 'Prof. Pooja Sharma Convener, IIC DCE, Gurugram' in white.

DRONACHARYA
College of Engineering

SESSION ON
Accelerators/Incubation

13th August 2022
TIME - 10:00 AM – 3:45 PM

Prof. Pooja Sharma
Convener, IIC DCE, Gurugram

ggnindia.dronacharya.info

Session on Out of the box thinking for problem solving

28th June 2022

Out of the box thinking is a metaphor that means to think differently, unconventionally, or from a new perspective. This phrase often refers to novel or creative thinking. To think outside the box is to look further and to try not thinking of the obvious things, but to try thinking of the things beyond them or even other than them. This was explained by Prof V Kamakoti in depth with the help of real-life examples which enabled students to understand why out of the box thinking is important in today's competitive world and how it gives you an edge when dealing with real life scenarios.

Prof Kamakoti further introduced a course on Out of the box thinking which IIT Madras is launching where candidates will be taught to find solutions to problems by using reasoning that is not immediately obvious and involving ideas that may not be obtainable by using only traditional step-by-step logic. In this unique course, such thinking is emphasized through rediscovering the known and unknown facts of mathematics logically with an interesting broader perception and the manner of doing it.

The poster is for a session titled "OUT OF THE BOX THINKING FOR PROBLEM SOLVING". It features logos at the top for the Ministry of Education, Government of India; MoE's INNOVATION CELL (GOVERNMENT OF INDIA); INSTITUTIONS INNOVATION COUNCIL (Ministry of Education, Government of India); and AICTE. The session is on Tuesday, 28th-JUNE 2022, from 2:00 PM to 3:00 PM. The speaker is Prof. V Kamakoti, Director, IIT Madras. The poster includes a photo of Prof. Kamakoti and social media handles for MHRD INNOVATION CELL on Facebook, Twitter, and Instagram.

Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTIONS INNOVATION COUNCIL
(Ministry of Education, Government of India)

AICTE

SESSION ON

OUT OF THE BOX THINKING FOR PROBLEM SOLVING

TUESDAY
28th-JUNE 2022

TIME
2:00 PM - 3:00 PM

PROF. V KAMAKOTI
DIRECTOR, IIT MADRAS

JOIN US ON **LIVE** /MHRDINNOVATIONCELL

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