

DRONACHARYA
College of Engineering

CSE EDITION

NEWSLETTER



Jan- June 2022

Vision

Steering the future of computer science through innovative advancements, fostering ethical values and principles through technical education.

Mission

M1: Directing future innovations in computer science through revolutionary progress.

M2: Instilling a foundation of ethical values and principles in every technologist.

M3: Offering a comprehensive technical education to equip individuals for a meaningful and influential future.

PEOs (Program Educational Objectives)

- 1. Apply the technical competence in Computer Science & Engineering for solving problems in the real world.**
- 2. Carry out research and develop solutions on problems of social applications.**
- 3. Work in a corporate environment, demonstrating team skills, work morals, flexibility and lifelong learning.**

PSOs (Program Specific Outcome)

- 1. Exhibit design and programming skills to develop & mechanize business solutions using revolutionary technologies.**
- 2. Learn strong theoretical foundation leading to brilliance and enthusiasm towards research, to provide well-designed solutions to complicated problems.**
- 3. Work effectively with diverse Engineering fields as a team to design, build and develop system applications.**

Resume Building Workshop

GFG Student Chapter, Dronacharya College of Engineering, Gurugram & Campus Mantri in collaboration with GeeksforGeeks organized a workshop on topic “Resume Building” on 10th January 2022. Kirti Gera (NIT Jamshedpur) was the course mentor.



DRONACHARYA 

RESUME BUILDING WORKSHOP

Organized by GFG Student Chapter & Campus Mantri in collaboration with GeeksforGeeks

| Date : | Time : | Platform : |
|----------------------------|----------------|-----------------|
| 10 th Jan, 2022 | 5:00 -7:00 P.M | Microsoft Teams |

Registration Link :

<https://docs.google.com/forms/d/e/1FAIpQLSc0GzvhmCidmFTevt1LLK4lfj-48xeOX9E71Ds11zSPwtvkSA/viewform>


Kirti Gera
Course Mentor at geeksforgeeks
NIT, Jamshedpur

www.dronacharya.info

DSA Workshop

GFG Student Chapter, Dronacharya College of Engineering, Gurugram organized a workshop on “ DSA (Data Structure and Algorithm)” from 28th -30th January 2022.



DRONACHARYA College of Engineering 

GFG Student Chapter DCE & Dronacharya College of Engineering present

DSA WEEKEND

Jan 28 - Jan 30

DSA Workshop
January 28, 2022
Microsoft Teams

DSA Quiz
January 29, 2022
Dare2Compete

Coding Contest
January 30, 2022
Dare2Compete

CERTIFICATE & PRIZES WORTH 2500/-

Faculty Coordinator
Dr. Ashima Mehta (HOD CSE)

Student Coordinator
GFG Student Chapter DCE

 GeeksforGeeks

For more information, Contact Us :
https://linktr.ee/Gfg_dce

Prize in UI/UX Hackathon (UDGAM 2022)

3rd year student Pratyush Attri of CSE Department, Dronacharya College of Engineering, Gurugram was the first Runner-up in Dframe- UI/UX Design Hackathon in the fest UDGAM-2022 organized by IIT Guwahati



Winner in National Drone Dance Championship

3 students namely, Shivangi Mathur, Pallavi Singh, Yogesh of CSE Department, Droncharya College of Engineering, Gurugram secured 1st Position in National Drone Dance Championship



Placement Preparation Session on Data Science

Dronacharya College of Engineering, Gurugram organized a placement preparation session on “Data Science” from 31st January - 4th February 2022 for V semester students. Prof. Ashwani (faculty members, CSE Department) took the session.

The objective of the session was to guide students some of the important placement related topics in Data Science.



DRONACHARYA
College of Engineering

PLACEMENT PREPARATION SESSION ON
▶▶ **Data Science**
(For V Semester Students)
31st Jan to 4th Feb, 2022
TIME - 1:00 PM - 3:00 PM

Topics to be covered :
1) Introduction to data science
2) Numpy(2D Matrix)
3) Data Manipulation using panda
4) Visualization
5) Ploting
6) ML with Scikit(Pytorch)



Prof. Ashwani
CSE Department

ggindia.dronacharya.info

Placement Preparation Session on SQL

Dronacharya College of Engineering, Gurugram organized a placement preparation session on “SQL” from 31st January - 4th February 2022 for V semester students. Prof. Bhumika (faculty members, CSE Department) took the session.

The objective of the session was to guide students some of the important placement related topics in SQL.



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College of Engineering

PLACEMENT PREPARATION SESSION ON
▶▶ **SQL** ▶▶
(For V Semester Students)
31st Jan to 4th Feb, 2022
TIME - 10:00 AM - 12:00 PM



Prof. Bhumika
CSE Department

Topics to be covered :
1) Introduction to SQL
2) Normalisation
3) Nested Queries
4) Joins
5) DDL and DML
6) Schema Design

ggindia.dronacharya.info

Placement Preparation Session on Dynamic Programming

Dronacharya College of Engineering, Gurugram organized a placement preparation session on “Dynamic Programming ” from 7th - 11th February 2022 for V semester students. Prof. Yashvardhan Soni (faculty members, CSE Department) took the session. The objective of the session was to guide students some of the important placement related topics in Dynamic Programming.



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PLACEMENT PREPARATION SESSION ON

▶▶ **Dynamic Programming**
(For V Semester Students)
7th Feb to 11th Feb, 2022
TIME - 1:00 PM - 3:00 PM

Topics to be covered :

- 1) Recurrence Relation and Writing recursive Solution
 - * Fibonacci Series
 - * Friend Pairing Problem
 - * Climbing Staircase Problem
 - * Tower of Hanoi
- 2) Bounded and Unbounded Knapsack
- 3) Longest Common Subsequence
- 4) Matrix Chain Multiplication
- 5) DP on Trees

Prof. Yashvardhan Soni
CSE Department

Placement Preparation Session on Quantitative Aptitude

Dronacharya College of Engineering, Gurugram organized a placement preparation session on “Quantitative Aptitude” from 7th - 11th February 2022 for V semester students. Prof. Yashvardhan Soni (faculty members, CSE Department) took the session. The objective of the session was to guide students some of the important placement related topics in Quantitative Aptitude.



DRONACHARYA
College of Engineering

PLACEMENT PREPARATION SESSION ON

▶▶ **Quantitative Aptitude**
(For V Semester Students)
7th Feb to 11th Feb, 2022
TIME - 10:00 AM - 12:00 PM

Topics to be covered :

- 1) Number System
 - * Trailing Zeroes
 - * Unit Digit, last two and three digit
 - * Remainder Theorem
- 2) AP/GP/HP, Maxima and Minima
- 3) Averages
- 4) Speed Time and Distance
- 5) Time and Work

Prof. Yashvardhan Soni
CSE Department

Internal Hackathon-Smart India Hackathon 2022

Dronacharya College of Engineering, Gurugram organized Internal Hackathon for Smart India Hackathon 2022 on 12th March 2022. 29 Teams participated in the Hackathon.

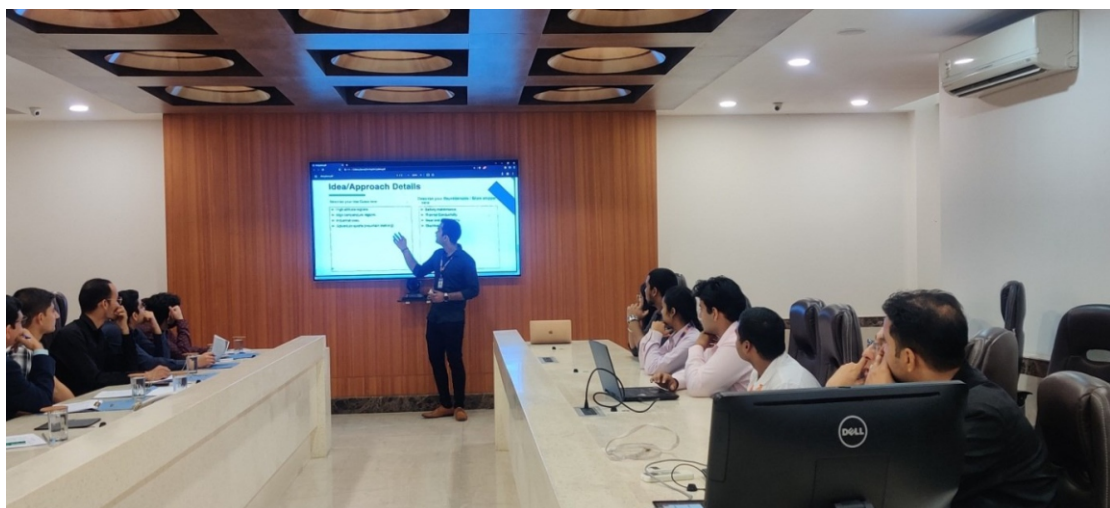
5 eminent jury members namely Mr. Samunder Singh (Project Manager, Stryker Ltd.), Mr. Prashant Vashist (Senior System Analyst Tesco Bengaluru), Mr. Pranay Vashist (Senior Consultant EY Pvt. Ltd.), Mr. Sachin Vats (Hardware Design, Nippon Seiki) and Mr. Divyansh Chauhan (Senior United Health Group) mentored and evaluated the ideas and prototypes presented by the participating teams.

Dronacharya College of Engineering
Internal Hackathon
SMART INDIA HACKATHON 2022

JURY PANEL

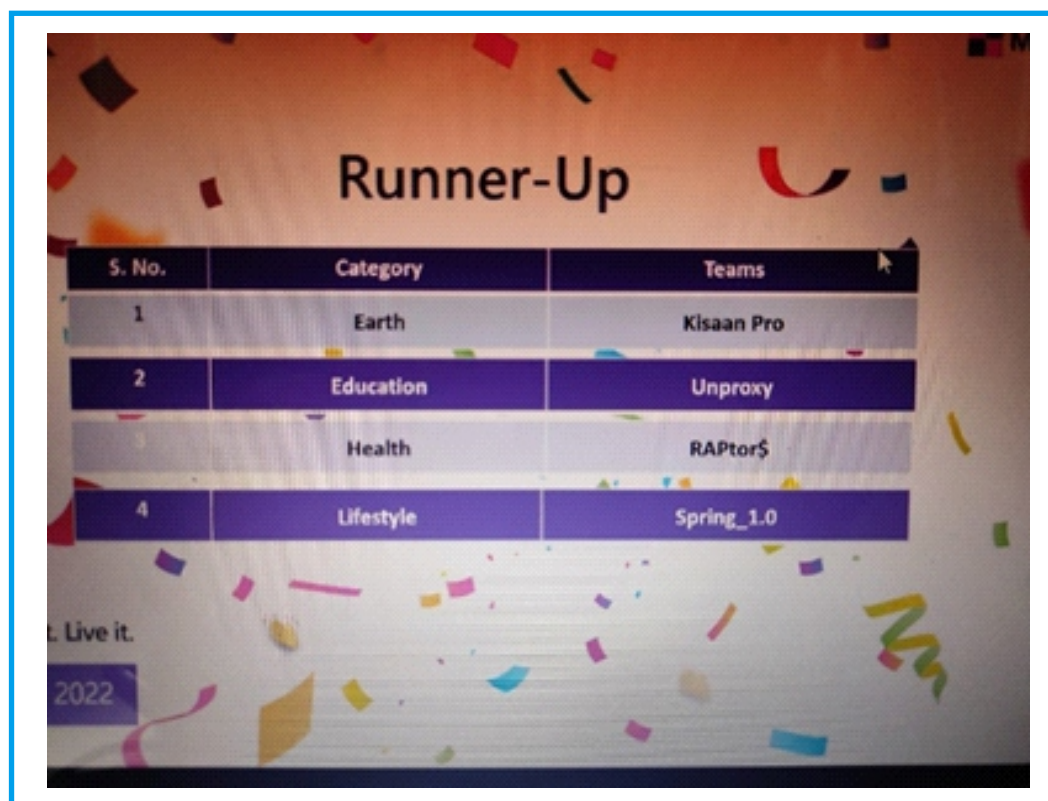
- Mr. Samunder Singh**
Stryker Ltd.
Project Manager, Service Delivery Manager
- Mr. Prashant Vashist**
Tesco Bengaluru,
Senior System Analyst
- Mr. Pranay Vashist**
EY Pvt. Ltd.
Senior Consultant | RSA Archer
Contact: 100-1000-141 (IN, USA)
- Mr. Sachin Vats**
Nippon Seiki
Hardware Design
- Mr. Divyansh Chauhan**
United Health Group
Senior Software Engineer

Date **12TH** | **SATURDAY MARCH 2022**



Runner UP in Microsoft Imagine Cup India Championship - 2022

3rd Year CSE students Ritik Verma, Palvi Saharawi, Anuj Tanwar, Dronacharya College of Engineering, Gurugram under the mentorship of Prof. Ashima Mehta and Prof. Vimmi Malhotra secured 1st Runner UP award in Microsoft Imagine Cup India Championship - 2022.



Students Qualified GATE 2022

15 students from Dronacharya College of Engineering, Gurugram qualified GATE 2022 examination.

DRONACHARYA
College of Engineering

GATE 2022
Graduate Aptitude Test in Engineering
अभियांत्रिकी स्नातक अभिक्षमता परीक्षा

Congratulations!



Piyush Garg
22109(CSE)

Gate Score : 745 | AIR : 369

Students
Qualified
GATE 2022



Bhumika Chugh
22802(CSE)

Gate Score : 504 | AIR : 3006



Rohan Singh Aswal
22143(CSE)

Gate Score : 403 | AIR : 6553



Deepanshu Moyal
21901(CSE)

Gate Score : 398 | AIR : 6767



Vivek Singh
22211(ECE)

Gate Score : 383 | AIR : 5674



Chandan Yadav
22039(CSE)

Gate Score : 376 | AIR : 8028



Prabal Pandey
22110(CSE)

Gate Score : 368 | AIR : 8571



Kailash Nath Yadav
20187(ECE)

Gate Score : 362 | AIR : 6743



Nand Kumar
22919(CSE)

Gate Score : 354 | AIR : 9544



Utkarsh Shaw
22143(CSE)

Gate Score : 354 | AIR : 9544



Raj Verma
22127(CSE)

Gate Score : 350 | AIR : 9884



Aayush Sharma
20185(ECE)

Gate Score : 350 | AIR : 7428



Harsh Kumar
22059(CSE)

Gate Score : 337 | AIR : 10918



Keshav Kumar
20971(ECE)

Gate Score : 318 | AIR : 11829



Parveen Kumar
21079(CSE)

Gate Score : 243 | AIR : 22613

Workshop on Programming

Dronacharya College of Engineering, Gurugram organized a workshop on “Programming” on 2nd April, 2022 for first year students. 3rd year students of CSE Department Piyush Garg and Raj Verma were the speakers of the workshop . 90 students attended the workshop.

The main objective of the session was to make the budding technocrats acquainted with some of the advanced topics of programming.

DRONACHARYA
College of Engineering

INSTITUTION'S
INNOVATION
COUNCIL
(Member of AICTE Institute)

WORKSHOP ON
PROGRAMMING
for 1st year students
Date : 2nd April 2022

Topics to be covered :

1. C v/s C++ Input
2. Output in C++
3. Data types in C++
4. Memory Model in C++
5. Structures
6. Functions/Classes
7. Objects, Why OOPS?
8. Examples and exercises based on Functions, OOPs,
9. Arrays, strings,
10. Exercises based on arrays

SPEAKERS :

Piyush Garg
4 ★ Codechef
GATE 2022 Qualified
5 ★ Hackerrank

Raj Verma
5 ★ Hackerrank
GATE 2022 Qualified

World Health Day

To increase awareness about health and healthy lifestyle among students, Dronacharya College of Engineering, Gurgaon conducted a poster making competition on World Health Day and the theme was “Healthy Lifestyle”.



World Creativity and Innovation Day

World Creativity and Innovation Day is celebrated on 21st April every year. To encourage the creativity and innovation of students, Dronacharya College of Engineering, Gurgaon has organised “Poster Making Competition” on World Creativity and Innovation Day.



DRONACHARYA
College of Engineering

Congratulations!

to the winners of

Poster Making Competition on World Creativity And Innovation Day

| | | |
|---|--|--|
|  Anushka Paul Roll no.: 24016(CSE) - 1 st Year |  Sandhya Roll no.: 24267(AI&ML) - 1 st Year |  Mukesh Roll no.: 24096(CSE) - 1 st Year |
|  |  |  |

Alumni Connect Program-An Interactive Session

Dronacharya College of Engineering, Gurugram Best Engineering College in Delhi NCR has organized an Alumni Connect Program-An Interactive Session on 28th April 2022. The speaker of the program was Naman Bajgoti Batch 2021 (CSE), currently working as Senior Software Engineer at Airtel.



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College of Engineering

INSTITUTION'S INNOVATION COUNCIL

Alumni Connect Program
▶▶ Interactive Session
on
THU 28th April, 2022 2022
12:30 PM - 01:45 PM

Naman Bajgoti
Batch 2021(CSE)
Senior Software Engineer (Airtel)

ggnindia.dronacharya.info

Prize in Coderush : Indus Valley Partners Hackathon 2022

Student Piyush Garg, student of 3rd year (CSE), Dronacharya College of Engineering, Gurugram was the first runner-up in CODERUSH: INDUS VALLEY PARTNERS HACKATHON 2022 and received Black Apple Watch 7 as a prize.



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College of Engineering

INDUS VALLEY PARTNERS

Congratulations!
CODERUSH :
Indus Valley Partners
HACKATHON 2022

1st Runner Up

Winner
MacBook Air

1st Runner Up
Black Apple Watch 7

Finalist
Echo Show

Piyush Garg
Roll No : 22109
Student of 3rd Year (CSE)

ggnindia.dronacharya.info

National Technology Day

Dronacharya College of Engineering, Gurugram conducted a Technical Session in accordance with National Technology Day on 11th May to commemorate the anniversary of the 1998 Pokhran nuclear tests. The theme of the session was “Integrated Approach in Science and Technology for Sustainable Future”. The objective of the session was to create interest and awareness about science and technology to the students.

DRONACHARYA
College of Engineering

Technical Session On
NATIONAL TECHNOLOGY DAY - 2022

Date : 11th May, 2022

Shruti Sharma
Roll No : 22402 | IT

Piyush Garg
Roll No : 22109 | CSE

Anuj Tanwar
Roll No : 22031 | CSE

Divya
Roll No : 22654 | CSIT

Bhanu
Roll No : 22375 | IT

Ritik Verma
Roll No : 22141 | CSE

THEME :
Integrated Approach in Science & Technology for Sustainable Future

Dronathon- A Technical Event

Dronacharya College of Engineering, Gurgaon has organised a technical event “Drona-Thon” from 26th - 28th May, 2022.

The guests of honour for the inauguration ceremony on 26th May, 2022 of the technical event “Drona-Thon” was Dr. Rajeev Kumar Mehajan (Scientist “G” & Advisor, Science and Engineering Research Board, Ministry of Science and Technology) and Mr. Sandeep Jain (founder of GeeksforGeeks).

DRONACHARYA
College of Engineering

DRONA THON
A TECHNICAL EVENT

EVENT DATE : 26TH - 28TH MAY 2022

EVENTS :

- PROJECT COMPETITION
- POSTER PRESENTATION/IDEATION
- PAPER PRESENTATION
- PPT PRESENTATION ON LATEST TECHNOLOGY
- TECHNICAL EXTEMPORE
- BEST OUT OF WASTE
- HACKATHON TECH PREKSHA
- TALENT SHOW
- GAMMING(MAVIRICKS)
- PHOTOGRAPHY COMPETITION
- RANGOLI (THEME TECHNICAL)
- TREASURE HUNT (CHASSE AU TRÉSOR)
- WORKSHOP: IOT AND EMBEDDED SYSTEM
- CREATION WORKSHOP
- BMC PROGRAM -START UP PROGRAM
- HACK-O-RELAY (GOOGLE DEVELOPER STUDENT CLUB) HACKATHON

ggindia.dronacharya.info

DRONACHARYA
College of Engineering

DRONA-THON
A Technical Event
(26th - 28th May, 2022)

Inauguration Ceremony
on
DATE : 26th May, 2022
Session
TIME : 12:00 PM - 12:45 PM

Mr. Sandeep Jain
Founder at GeeksforGeeks

ggindia.dronacharya.info

Technical Poster Presentation

Dronacharya College of Engineering, Gurugram organized “Dronathon 2022” from 26th - 28th May 2022. Under Dronathon, “Technical Poster Presentation” was conducted on 27th May 2022. The event was coordinated by Mrs. Pooja Sharma (EEE Department) along with Mr. Abhinav Panwar (ME Department) and Mrs. Pankaj Kumari (CSE Department) and Mrs. Megha Goyal (CSIT Department). Student Coordinators were Nitin Jakhar (EEE), Munikant Ranjan (ME), Rohit Gupta (CSIT) and Shubham Kumari (CSE).

The principal objective of event was to enhance student's knowledge with their creative streak and express their innovative ideas using the colours of imagination.



The flyer is for a Technical Poster Presentation event. It features a dark purple background with a glowing yellow sphere in the center. The text 'TECHNICAL POSTER PRESENTATION' is written in bold white letters on the sphere. Below the sphere, 'DRONATHON' is written in bold white letters on a yellow banner. To the right, the 'SCHEDULE:' is listed as '27th May 2022' and '1:00 PM - 3:00 PM'. At the bottom, 'VENUE:' is listed as 'EGD Lab (3rd Floor)'. The flyer also includes logos for '75 Azadi Ka Amrit Mahotsav', 'Dronacharya College of Engineering', and 'Institution's Innovation Council'. A list of guidelines and co-ordinators is provided at the bottom.

75 Azadi Ka Amrit Mahotsav

DRONACHARYA
College of Engineering

INSTITUTION'S INNOVATION COUNCIL

TECHNICAL POSTER PRESENTATION

DRONATHON

SCHEDULE:
27th May 2022
1:00 PM - 3:00 PM

Guidelines :

- 1) Team can have 1 or 2 members.
- 2) Each team will prepare and present a poster of their innovative idea/research/project.
- 3) Poster displays will be limited to one side of A4 sheet.
- 4) Minimum 2 pages and maximum 6 pages are allowed.
- 5) Be sure to include the title, author and co-author names (semester, branch & roll no) on first page.

"Introduction/Background", "Methods", "diagram/Flowchart", "Results" and "Conclusions" must be included.

Co-ordinators :

Mrs. Pooja Sharma (EEE Department, 9818644355)
Mr. Abhinav Panwar (ME Department, 8743051722)

VENUE: EGD Lab (3rd Floor)

Project Competition

Dronacharya College of Engineering, Gurugram organized “Dronathon 2022” from 26th - 28th May 2022. Under Dronathon- 2022, “Project Competition” was conducted on 27th – 28th May, 2022. The event was coordinated by Dr. Ashima (HOD CSE) and Ms. Sakshi Ahuja (CSIT) along with the guidance of Mrs. Vimmi Malhotra (CSE), Mrs. Neha Verma (ECE), Ms. Renu (CSE) and Dr. Manoj (App.Sc).

The objective of the event was to enhance student's knowledge and talent, research orientation and unstopped potential and prepare future generation of engineers to be innovative leaders, responsible citizens and problem solvers.



The poster features a background image of a hand working on a circuit board with various electronic components. It includes logos for '75 Azadi Ka Amrit Mahotsav' and 'INSTITUTION'S INNOVATION COUNCIL'. The main text reads 'DRONACHARYA College of Engineering' and 'Project Competition DRONATHON A TECHNICAL EVENT'. A yellow banner indicates the 'SCHEDULE: 27th & 28th May 2022 9:00 AM - 3:00 PM'. A 'RULES' section lists six guidelines, and a 'Faculty Co-ordinators' section lists five names with their contact numbers.

75 Azadi Ka Amrit Mahotsav

DRONACHARYA
College of Engineering

INSTITUTION'S INNOVATION COUNCIL

Project Competition

DRONATHON

A TECHNICAL EVENT

SCHEDULE: 27th & 28th May 2022
9:00 AM - 3:00 PM

RULES

1. The contest is open for B.E/B.Tech students.
2. Team size should be 2-4 members.
3. Multi-Disciplinary and Inter-College teams are welcome.
4. Once registered, Team members cannot be replaced.
5. Students needs to have the working prototype, software or interface to participate.
6. Multiple entries by a team member is not allowed.

Faculty Co-ordinators:

Dr. Ashima Mehta (9803505262)
Prof. Ashwani Kumar (9646461887)
Dr. Manoj Kumar (8901283798)
Prof. Vimmi Malhotra (8588880350)
Prof. Neha Verma (9999590246)
Prof. Bhumiha Chugh (9958257828)

Best out of Waste

Dronacharya College of Engineering, Gurugram organized “Dronathon 2022” from 26th - 28th May 2022. Under Dronathon “Best out of Waste” event was conducted on 27th May 2022. The event was coordinated by Dr. Shipra Arora (CSE) along with Dr. Ashok Kumar (Applied Science) and Mr. Naveen (CSIT).

The main objective of the event was to create passion for environment in the youngsters.

75
Azadi Ka
Amrit Mahotsav

DRONACHARYA
College of Engineering

INSTITUTION'S
INNOVATION
COUNCIL
(Ministry of Education, India)

BEST OUT OF WASTE

DRONATHON
A TECHNICAL EVENT

SCHEDULE: -
27th May 2022 | 9:00 AM - 3:00 PM

Guidelines :

1. Team shall comprise two participants only.
2. Participants will be given 2 hours to show their creativity and innovation and 2 minutes for presenting the same.
3. Participants have to bring waste material from home. Material items may be button, bangles, newspaper, tetra pack, plastic bottle, CDs, broken jewellery and toy parts etc
4. Other than waste material, glue, pins, lace, thread etc. can be used to enhance the beauty of your product.
5. Participants are not allowed to bring partially or fully made items. All the preparation must be completed with in the allotted time and college campus.
6. Material would be rejected if not found to be a waste.
7. No mobile or internet would be allowed at the time of competition.
8. Decision of the organizer/ judges will be final and no communication in this regard will be entertained.

Faculty Co-ordinators: Dr. Shipra Arora(9911156590) Dr. Ashok Kumar(9891642184) MS. Anita Chaudhary(8800860412)

Students Qualified NCAT 2022

26 students from Dronacharya College of Engineering, Gurugram qualified National Creativity Aptitude Test 2022 examination.

One of the Dronacharyans, Ayush Kumar(CSE), secured first position, AIR 1 in Category 1 in NCAT exam 2022 and won cash prize worth Rs 20,000/-



DRONACHARYA
College of Engineering

NCAT

Congratulations!

WINNER

Got 1st Position with a Cash Prize of INR 20,000/-

ALL INDIA RANK IN NATIONAL CREATIVITY APTITUDE TEST 2022

1 RANK CATEGORY 1

Ayush Kumar
Roll No : 24025 (CSE)

| Rank | Name | Roll No. | Institute Code | Name of the Institute | State |
|------|-------------------------|----------|----------------|------------------------------------|-----------|
| 1 | Ayush Kumar | 24025 | 101 | Dronacharya College of Engineering | Haryana |
| 2 | Ayush Kumar | 10431 | 101 | Indian Institute of Science | Karnataka |
| 3 | Ayush Maheshwari Joseph | 10436 | 101 | Indian Institute of Science | Karnataka |

Link : http://www.ncat.co.in/Result_NCAT_2022.aspx#&panel1-1

Session on Out of the Box Thinking for Problem Solving

Institution's Innovation Council (IIC), Ministry of Education (MoE) has organized an online session in collaboration with IIT Madras on 28th June 2022. The students and faculty of Dronacharya College of Engineering, Gurugram attended the session online.



Ministry of Education
Government of India

MoE's INNOVATION CELL
(GOVERNMENT OF INDIA)

INSTITUTION'S INNOVATION COUNCIL
(MINISTRY OF EDUCATION, INDIA)

MoE's INNOVATION CELL

SESSION ON

OUT OF THE BOX THINKING FOR PROBLEM SOLVING

TUESDAY
28th-JUNE 2022

TIME
2:00 PM - 3:00 PM

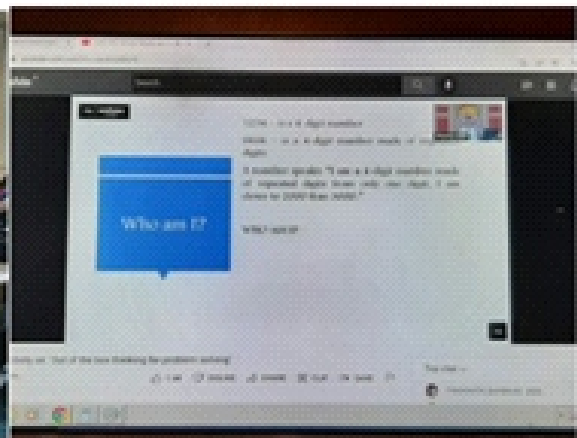
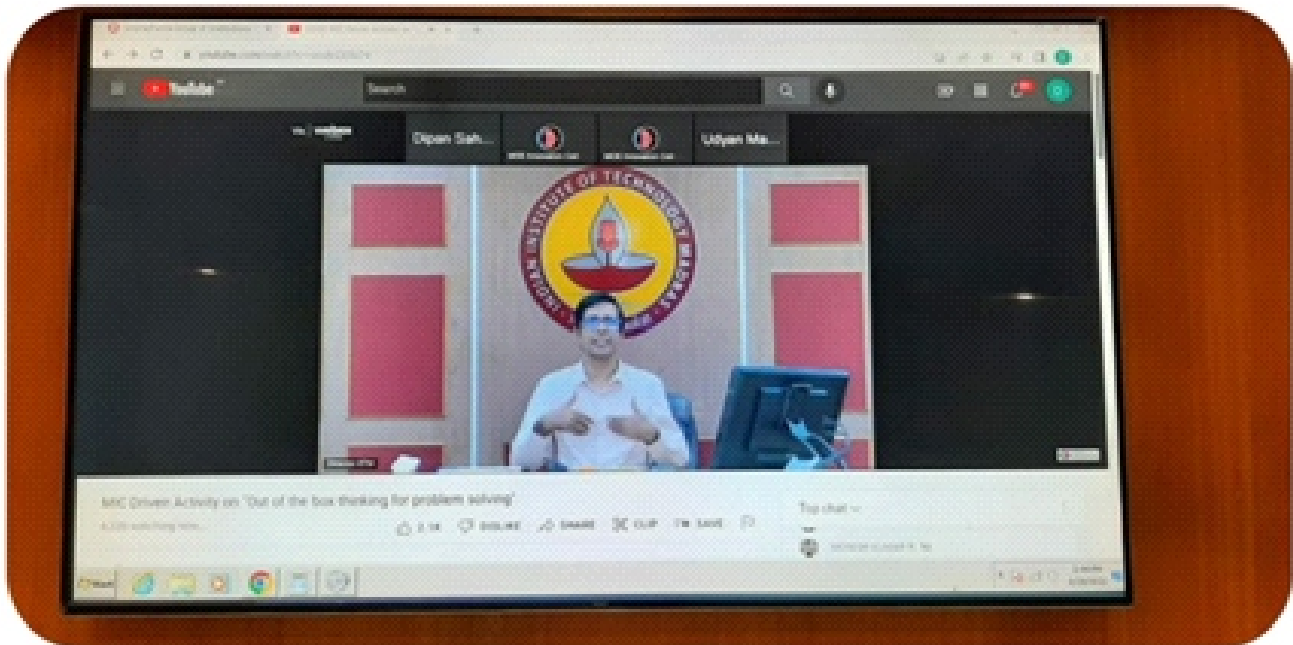
PROF. V KAMAKOTI
DIRECTOR, IIT MADRAS

JOIN US ON **LIVE** /MHRDINNOVATIONCELL

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Session on Out of the Box Thinking for Problem Solving

Institution's Innovation Council (IIC), Ministry of Education (MoE) has organized an online session in collaboration with IIT Madras on 28th June 2022. The students and faculty of Dronacharya College of Engineering, Gurugram attended the session online.



Certificate of Appreciation at Shaastra 2022, IIT Madras

Third year CSE Department student Piyush Garg of Dronacharya College of Engineering, Gurugram, has earned a certificate of appreciation in an event organized at Shaastra 2022, IIT Madras.



Rank in CodeHers 2022 (Walmart Global Tech Hiring Challenge)

Student Deepali (CSE Department) of Dronacharya College of Engineering, Gurugram was among top 30 coders in Walmart Global Tech Hiring Challenge and won cash prize worth of Rs. 30,000.

