



REPORT OF INITIATIVES TAKEN UNDER THE AEGIS OF INSTITUTION'S INNOVATION COUNCIL

(SEP 2023 to AUG 2024)

MCKV INSTITUTE OF ENGINEERING

(NAAC Accredited 'A' Grade Autonomous Institute)

243, G T Road North, Liluah, Howrah, West Bengal -711204

About the College

MCKV Institute of Engineering is one of the top engineering colleges in West Bengal established more than two decades ago (since 1999) with a vision to foster the spirit of technological learning and its application through creating the right kind of opportunity and ambience for educating young minds in the digital era. The Institute has been accredited by NAAC with an 'A' Grade, and it is an Autonomous Institute affiliated to MAKAUT, WB and approved by AICTE. It offers core and applied engineering programmes like: Mechanical Engineering, Electrical Engineering, Computer Science Engineering, Electronics and Communication Engineering, Information Technology and last but not the least a very niche stream that is Automobile Engineering, some of which are accredited by NBA. Besides, M. Tech in Electronics and Communication Engineering (with specialization in Communication) is being conducted to encourage students in higher studies for over 10 years.

With the confidence of her illustrious track record and with the support of autonomy, MCKVIE has stepped in to launch three new B. Tech courses viz. CSE (Data Science), EC (VLSI Design) and Artificial Intelligence & Machine Learning (AI&ML) along with a PG course in the field of Management, MBA (Business Analytics) where the curricula are designed to accommodate the trending need of the Industry.

The Institute is always committed to provide quality education to cater to the diversified needs of the industry and encourage research works as well for the society at large. Its State-of-the-art infrastructure, industry-academia collaborations, experienced senior faculty and rigorous hands-on training sessions, transform students into industry-ready professionals. For more than 20 years, MCKVIE has been known for its spirit of excellence that transforms students into intellectuals, where faculty works with the students to engineer solutions and encourage exploration across disciplines. Critical thinking and networking is the main focus – on campus, off campus and after graduation.

From the Principal's desk



Heartfelt greetings!

Institution's Innovation Council (IIC) is an initiative of Ministry of Education's Innovation Cell (MIC) for fostering the culture of innovation amongst Higher Education Institutes. IIC@MCKVIE was established with the aim to encourage, inspire and nurture young students to work on new ideas and to familiarize them with concepts of improving products and services to the market, increasing efficiency and product's profitability.

The main aim of IIC is to conduct various activities related to innovation, entrepreneurship, IPR and startups in collaboration with academicians, entrepreneurs, investors, professionals for creating a mentor pool for student innovators. In order to achieve this aim, IIC holds motivational sessions, workshops to familiarize our students with the concept of ideation, innovation, start-ups and entrepreneurship. IIC members regularly organize and attend sessions on Entrepreneurship, Innovation as Career Opportunity, IPR and IP Management to make them familiar with the know how to pitch new ideas and get funding. Such interactive sessions channelize the energy of young students and motivate them to work on new ideas, create start-ups and entrepreneurial ventures resulting in self-employment. IIC@MCKVIE is always there to nurture innovative ideas of students and faculty.

My heartfelt gratitude to Mr. Kishan Kumar Kejriwal, Honorable Chairman of MCKV Institute of Engineering for inspiring us to remain creative in our ideas and innovative in our actions. I would also like to thank Dr. Prasenjit Chatterjee, President of IIC@ MCKVIE and Prof. (Dr.) Amit Phadikar for supporting us as we continue to direct our actions towards adapting to the new domains. My greetings to the team members of IIC who have contributed towards successful implementation of the vision of the Council. Let us continue to innovate, adapt and excel to remain competitive and resilient in the face of new challenges!

Prof. (Dr.) Abhijit Lahiri

Principal, MCKVIE

Institute Innovation's Council: Inspiring Ideas to Innovate & Change

The Ministry of Education with the vision of creating and promoting the culture of innovation amongst institutions of higher education has founded the MOE's Innovation Cell. As the Convener of Institute's Innovation Council (IIC), it has been my pleasure to witness the growth of IIC@MCKVIE. IIC has made all efforts to enhance the culture of innovation and entrepreneurship by organizing various activities like Motivational Journey of Innovators and Entrepreneurs. The Institute's Innovation Cell (IIC) is actively instrumental in providing opportunities to students and faculty to innovate and ideate through competitions like Idea Competition and Internal Software Hackathons. True to the spirit of MIC, the primary goal of IIC has been to empower minds that can be useful to the society. The opportunities provided by MIC have been extremely enriching in enabling the students and faculty to ensure organic growth in terms of innovation. I am indebted to Principal, Prof. Abhijit Lahiri, for his continuous encouragement and support. In addition, I express my sincere appreciation to all the faculty members and students associated with the council who have made this journey memorable and fruitful with their hard work. I hope that we can continue to inspire this zeal to innovate for the betterment of our society.

Dr. Joydeep Banerjee

Convener, IIC@ MCKVIE

**Reports of the program
organized by IIC, MCKVIE
*(Sep 23-Aug24)***

Event Report [Level 2 Program]

One-day Workshop on Development of Entrepreneurial Skills, Attitude, and Behaviour

IIC Calendar Activity [December'23 to February'24]

Date of Event: 02.02.2024

by

Dr. Soumyajit Das and Dr. Arindam Ghosh, Department of Management Science and Humanities

The one-day workshop on entrepreneurial skills, attitude, and behaviour development was conducted in Room No. B312 of MCKV Institute of Engineering (MCKVIE). Lilaah on 2.2.2024, Friday. The workshop was of 5 hours 30 minute's duration, starting at 10:30 a.m. and ending at 4 p.m. The resource persons for the workshop were Dr. Soumyajit Das and Dr. Arindam Ghosh of the Department of Management Science and Humanities of MCKVIE. The participants of the event were the students of B.Tech and MBA programs of MCKVIE and the faculty members from various departments.

The total number of student participants were 46 (forty six) and the total number of faculty participants were 14 (fourteen). All the participants were internal and no external participation was planned for this event. Therefore, the registration process was limited to the internal participants only.

The schedule of the program was as follows:

Time	Topic	Resource Person
10:30 a.m. – 11:45 a.m.	Understanding the Entrepreneurial Acumen	Dr. Soumyajit Das
11:45 a.m. – 1:00 p.m.	Analysing Interpersonal Relationship and Behavioral Profile Using FIRO-B	Dr. Arindam Ghosh
Lunch Break: 1:00 p.m. – 1:30 p.m.		
1:30 p.m. – 2:45 p.m.	Analysing Employee Competencies using Lancaster Model.	Dr. Arindam Ghosh
2:45 p.m. – 4:00 p.m.	Developing the Skill of Product Identification, Market Selection, and Target Market Identification	Dr. Soumyajit Das

All four sessions were highly engaging with hands-on trainings for the participants. The session was interactive with lots of relevant questions asked by the participants, especially the students. The audio-visual aids were used during the session along with the pen-and-paper assignments for the participants.

The program was conducted in compliance with the objectives of the workshop. The outcome of the program is expected to be effective for the future entrepreneurs by enhancing their managerial and behavioural proficiencies.

Photographs of the Event:



Photograph #1: Dr. Soumyajit Das taking session on “Understanding the Entrepreneurial Acumen”



Photograph #2: Dr. Arindam Ghosh is taking session on “Analysing Interpersonal Relationship and Behavioral Profile Using FIRO-B”

The Startup Club by MCKVIE

EVENT REPORT

EVENT NAME	My Story: Motivational Session by Successful Innovators
DATE	26 th November 2023
VENUE	Online Google Meet Youtube Live

EVENT DETAILS	The Startup Club by MCKVIE organised an Podcast on “My Story: Motivational Session by Successful Innovators” Speakers:- • Sayamdipta Das Chowdhury ★ Founder and Chairman of Kontho(NGO). Currently pursuing BTech in Food Science and Technology. ★ He believes in the holistic development of an young individual and works for the upliftment of the society. • Swakshadip Sarkar ★ PhD student in Sociology at Te Herenga Waka - Victoria University of Wellington. ★ Their research interests focus on gender, social movements, and law. ★ Swakshadip embodies the ethos of social responsibility, contributing to a diverse and just societal narrative. Date: 26th November 2023 Venue: Online Google Meet Youtube Live Timing: 11:00 am onwards. Purpose: This motivational podcast aims to ignite the spark of resilience and creativity within each listener. Their journeys and stories will motivate listeners to join hands and come forward for a social cause. Registration: 109 registrations Attendance: 2 as speakers 2 as hosts 96 as audience
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Event Poster

75th Anniversary
G20
भारत 2023
अमृत महोत्सव
MCKVIE
INSTITUTION'S INNOVATION COUNCILS

The StartUp Club by MCKVIE
presents

PODCAST

“ MY STORY : MOTIVATIONAL SESSION BY
SUCCESSFUL INNOVATORS ”

Swakshadip Sarkar

Sayamdipta Das Chowdhury

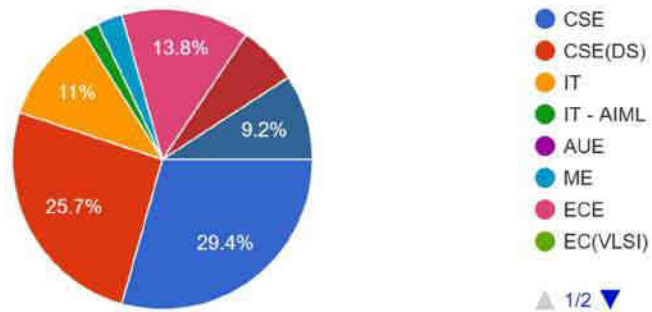
Google Meet
26 th November
11:00 AM onwards

@THESTARTUPCLUBBYMCKVIE

Registration info:-

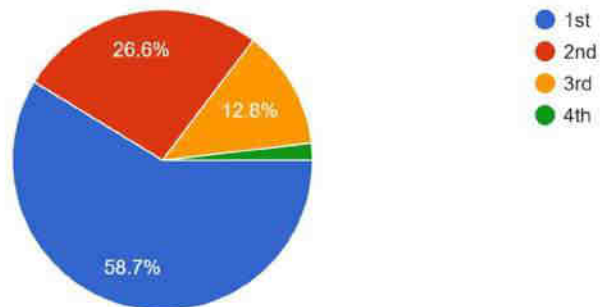
Stream.

109 responses

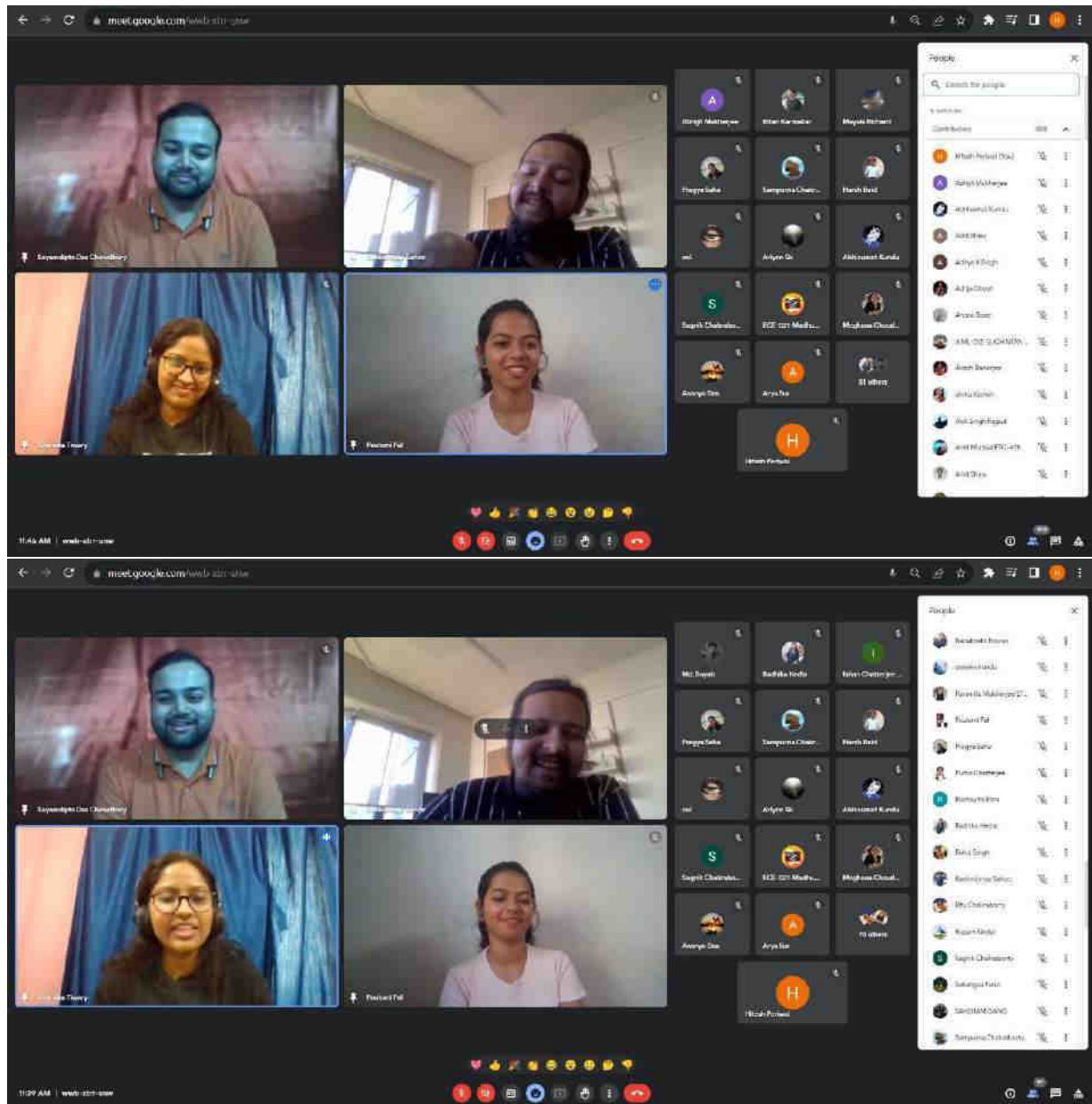


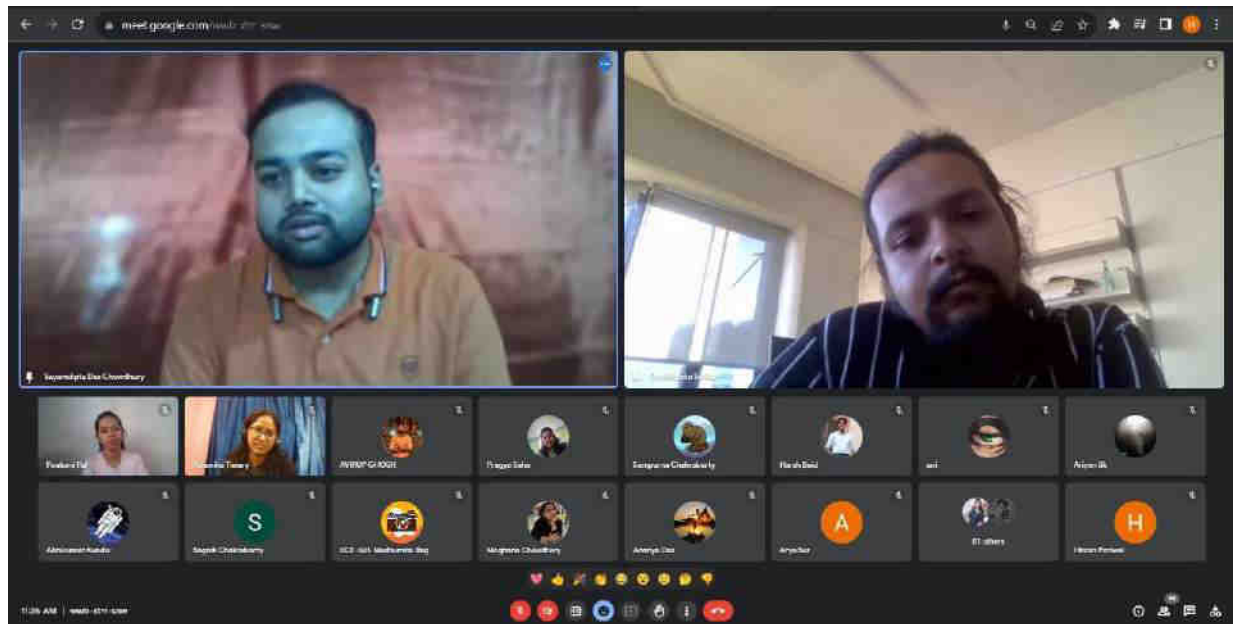
Year.

109 responses

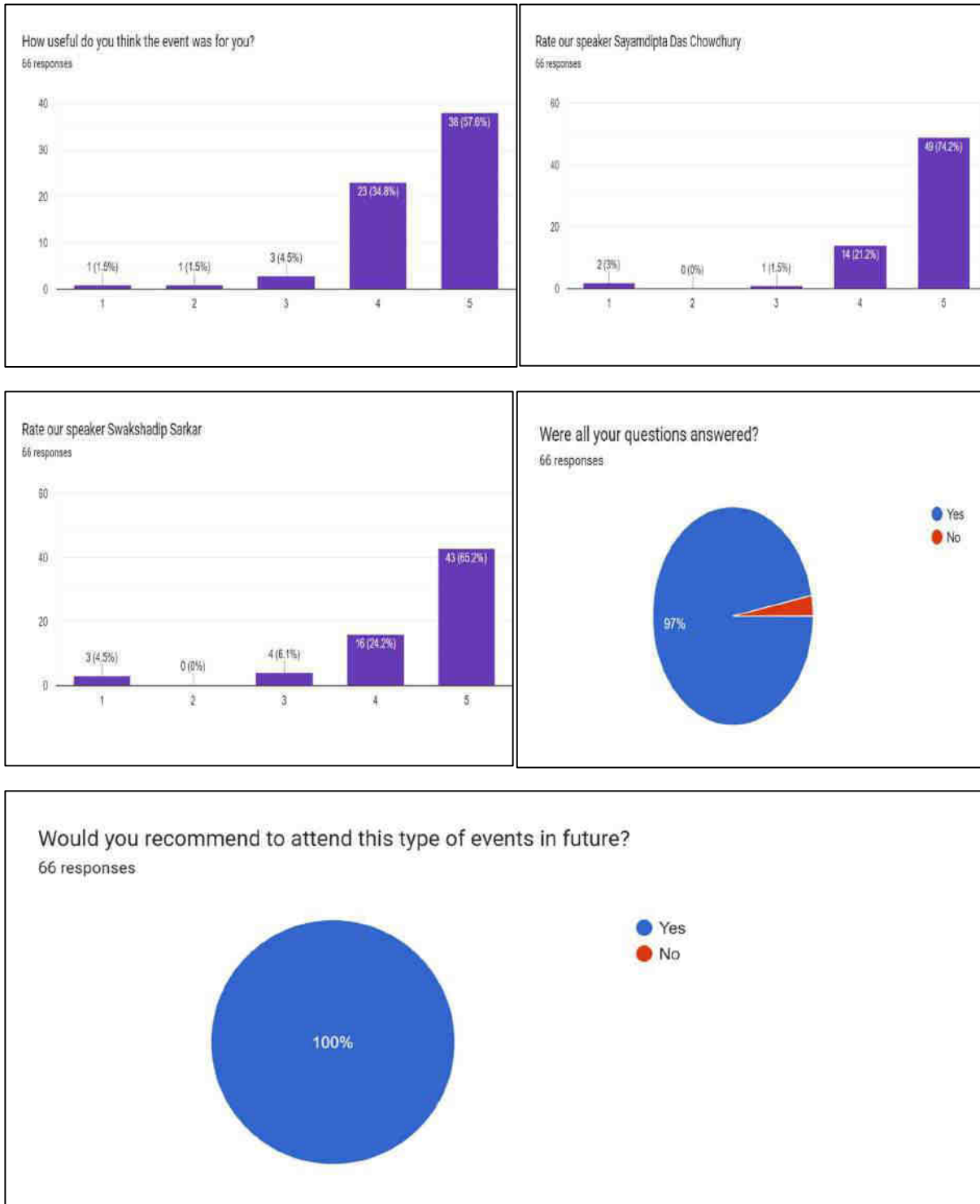


Event Gallery:-





Feedback:-



SMART INDIA HACKATHON, 2023

- About the event:** Smart India Hackathon 2023 (SIH 2023) is an initiative of the Government of India to help various government departments and private organizations to get solutions for some of their pressing problems through students. SIH 2023 is a nationwide initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problem-solving. Beforehand Institute's Internal campus hackathon needs to be conducted on-premises as a preliminary selection criterion for the said event.

MCKV Institute of Engineering organized an internal hackathon on 26th September, 2023 on the college campus. 45 groups comprised of 6 students each including the team leader and at least one female member have participated in the event. 35 groups were nominated for Smart India Hackathon, 2023.

- Photos of the event organized:-** Inauguration of the event to prize distribution.



- Picture of all participating teams**





4. **Judging Process:** All the team members presented their idea about a pressing problem that we have faced in our day today life. The total duration of the presentation and discussion was of 15 minutes. Judges graded them with respect to their idea and clarity, implementation prospect, presentation skill, problem-solving weightage, and team skills. A photo of one of the graded sheets is given below.

SMART INDIA HACKATHON-2023
(Intra-College Round)
Date- 26th September, 2023
Evaluation Sheet

Team No.	2
Team Name	The Optimizers
Category	Software
Problem Statement No. (PS No.)	SIH1382
Problem Statement Title:	Real-Time Vehicle Tracking system
Domain Bucket/ Theme:	Smart Vehicles
Team Leader	Supriyo Ghosh Mobile No- 6298043850 Email- supriyoghosh27125@gmail.com
Remarks	
Marks Obtained	
Name of the Judge	
Judge's Signature	

5. Jury panel photo and relevant details

External judges along with faculty members of MCKVIE were belonged to the jury panel. Photos of jury panel members are given below.



6. Nominated top teams

Nomination	Team No.	Team Name	Name of The Team Leader
01	01	Cyber Thugs	Priyabrata Shee
02	02	Optimizer	Supriyo Ghosh
03	04	Strivers	Shreyan Pal Chowdhury
04	06	The Persuaders	HARSH MISHRA
05	09	Finetuners	Shounak Sarkar
06	10	Red Hats	Saptarshi Banik

07	11	CodeCrashers	Sinchana Chatterjee
08	12	Innovisionaries	Abhishek Mishra
09	14	Teen Titans	Manas Kumar Manna
10	15	GenZ	Upayan Chakraborty
11	18	JUSTICE LEAGUE	ADITYA SINGH

12	20	Steiners	Sibasish Dey
13	21	Sopranos	Shiwani Soni
14	23	VON	PRAHALLAD SAHOO
15	24	AVINYA	SANJIBANI SAMAL
16	25	UNITY ELITE	Kunal Das
17	26	StrawHats Pirates	Shruti Singh

18	27	Health Hobbits	Ayush Saha
19	28	Dark Spirit	Sujal Kumar Gupta
20	32	TI - TEAM OF IN.THINKERS'.....	SUBHAM MONDAL
21	33	Bionic Builders	Aftab Mallick
22	34	CyberSculptors	Mohammad Shakir

23	35	Eco Nurturers	Mainak Mukherjee
24	37	Team Paltan	Harsh Baid
25	42	INNOVATORS UNITED	Poulomi Pal
26	43	AUTOBOTS	Bibek Khan
27	44	Team Nirbhay	Sameer Dawood Khan

28	48	Syntax Error	Sanchari Pandey
29	50	ministry-of-ideas	Nilankan Betal
30	51	Diplomats	Avijeet Sharma
31	16	Phantoms	Arijit Saha
32	17	Sixth Sense	Akash Banerjee

33	29	Cyber Creepers	Srijita Ghorai
34	40	CrackHeads	Ahir Barman Maji
35	45	TutoGrad	Srijit Sarkar

7. Judges photo and details

Arindam Saha, Associate Consultant, TCS. Contact no- 9804499885

ari.saha@tcs.com

Soumyadip Maity, Scientist, TCS Research, Contact no- 9433372658

soumyadip.maity@tcs.com

Dr. Debabrata Datta, Adjunct Professor at MCKV Institute Of Engineering, 9930277547

debabrata.datta@mckvie.edu.in



8. Total teams and students participated and photos



SL. NO	Team Name	Name of the Team Leader	Problem Statement	Theme	Category	PS Number
01.	Cyber Thugs	Priyabrata Shee	Create an intelligent system using AI/ML to detect phishing domains which imitate look and feel of genuine domains	Blockchain & Cybersecurity	Software	SIH1454
02	Optimizer	Supriyo Ghosh	Real-Time Vehicle Tracking system	Smart Vehicles	Software	SIH1382
03.	Strivers	Shreyan Pal Chowdhury	Drone based Intelligent Magnetic sensing system and Metallic anomaly detection system	Miscellaneous	Hardware	SIH1414
04	Prayukti Gyan	Sandipan Rakshit	IoT based sensors can be used to determine the Machine Runtime	Agriculture, FoodTech & Rural Development	Software	SIH1395
05	THE PERSUADE RS	HARSH MISHRA	Student Innovation	MedTech / BioTech / HealthTech	Hardware	SIH1479

06.	Neural Neuronaux	Shubham Gupta	Application of Image Analytics for Tree enumeration for diversion of Forest Land.	Miscellaneous	Software	SIH1316
07.	FineTUNERs	Shounak Sarkar	Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries	Smart Automation	Software	SIH1312
08	Red Hats	Saptarshi Banik	Fake Social Media Profile Detection and reporting	Cyber Security and Blockchain	Software	SIH1364
09.	CodeCrashers	Sinchana Chatterjee	Automated Public Lighting	Smart Automation	Hardware	SIH1300
10.	Innovisionaries	Abhishek Mishra	Using existing CCTV network for crowd management, crime prevention, and work monitoring using AIiML	Smart Automation	Software	SIH1349
11	Teen Titans	Manas Kumar Manna	Using existing CCTV network for crowd management, crime prevention, and work monitoring using AIiML	Smart Automation	Software	SIH1349

12	GenZ	Upayan Chakraborty	Mental health and well-being surveillance, assessment and tracking solution among children.	Smart Education	Software	SIH1433
13	Phantoms	Arijit Saha	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	MedTech/BioTech/ Health Tech	Software	SIH1383
14	Sixth Sense	Akash Banerjee	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	MedTech/BioTech/HealthTech	Software	SIH1383
15	JUSTICE LEAGUE	ADITYA SINGH	Incentives based Design for onboarding Legal Service Providers such as Advocates, Arbitrators, Mediators, Notaries, Document Writers, etc on eMarket Place for extending Legal Services to Citizens in India	MISCELLANEOUS	Software	SIH1286
16	Runtime Terror	ANJALI KUMARI	Student Innovation	Fitness and Sports	Software	SIH1494
17	Steiners	Sibasish Dey	Developing a Blockchain-Based eVault for Legal Records	Blockchain & Cybersecurity	Software	SIH1284

18	Sopranos	Shiwani Soni	Virtual Zoo	Smart Education	Software	SIH1394
19	OptiDoc	Shilajit Roy	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration	MedTech / BioTech / HealthTech	Software	SIH1383
20	VON	PRAHALLAD SAHOO	An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/ man made calamities	Disaster Management	Software	SIH1440
21	AVINYA	SANJIBANI SAMAL	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	MedTech / BioTech / HealthTech	Software	SIH1383
22	UNITY ELITE	Kunal Das	Making career choices and AI based counselling accessible to every child at secondary level along with aptitude tests and detailed career paths.	Smart Education	Software	SIH1434
23	StrawHats Pirates	Shruti Singh	Student dropout analysis for school education	Smart Education	Software	SIH1362

24	Health Hobbits	Ayush Saha	A software that suggests drugs and formulations for a disease/pharmacological property based on the Ayurvedic classical books/Repositories	MedTech / BioTech / HealthTech	Software	SIH1347
25	Dark Spirit	Sujal Kumar Gupta	Automatic Drug Dispenser	MedTech / BioTech / HealthTech	Hardware	SIH1503
26	Cyber Creepers	Srijita Ghorai	Traditional agricultural practices lack real-time monitoring and efficient operation on fields. This leads to inefficiencies and low production levels.	Agriculture, FoodTech & Rural Development	Software	SIH1352
27	PATHWAY	DEVANSHU SHARMA	An application under which all rescue agencies are registered and which can display the location of other rescue relief agencies during natural/ man made calamities	Disaster Management	Software	SIH1440
28	TI - TEAM OF IN.THINKERS'.....	SUBHAM MONDAL	Ideate and implement a system to enhance the quality of education in rural areas.	Smart Education	Software	SIH1326

29	Bionic Builders	Aftab Mallick	Low-cost Myoelectric Prosthetic Arm	MedTech / BioTech / HealthTech	Hardware	SIH1404
30	CyberSculptors	Mohammad Shakir	Developing a Blockchain-Based eVault for Legal Records	Blockchain & Cybersecurity	Software	SIH1284
31	Eco Nurturers	Mainak Mukherjee	App-Based Solution to identify and solve disease in plants/crops	Agriculture, FoodTech & Rural Development	Software	SIH1401
32	Wired Wizards	Kallol Chakraborty	Centralized Monitoring System for Street Light Fault Detection and Location Tracking	Smart Automation	Hardware	SIH1512
33	Team Paltan	Harsh Baid	Online integrated platform for projects taken up by the students of various universities/colleges	Smart Education	Software	SIH1369

34	BruteForce	Harsh Kumar Singh	Student Innovation	Agriculture, Food Tech and Rular Development	Software	SIH1491
35	Rough & Tough	Roopkatha Chatteraj	Development of gamified platform on Children's Rights to increase legal literacy and awareness among children in India	Smart Education	Software	SIH1281
36	CrackHeads	Ahir Barman Maji	Design and Developed a personalized online meeting system for AICTE	Blockchain & Cybersecurity	Software	SIH1464
37	INNOVATORS UNITED	Poulomi Pal	Developing a software for dubbing of videos from English to other Indian regional languages.	Smart Education	Software	SIH1386
38	AUTOBOTS	Bibek Khan	Centralized Monitoring System for Street Light Fault Detection and Location Tracking	Smart Automations	Hardware	SIH1512

39	Team Nirbhay	Sameer Dawood Khan	Centralised Nasha Mukti Database	Miscellaneous	Software	SIH1366
40	TutoGrad	Srijit Sarkar	Online personalized learning remediation/tutoring tool. Search for best teacher for specific topics.	Smart Education	Software	SIH1431
41	O(N)++ SLAYERS	Subhajit Chaudhury	Developing a software that can translate resource material and other texts from English to other regional languages.	Smart Education	Software	SIH1385
42	Syntax Error	Sanchari Pandey	A mobile app that crowd sources water-related problems from around a community, open sources data, etc. and display them on a map.	Disaster Management	Software	SIH1291
43	Code Catalysts	Anirban Kundu	Online Blockchain based certificate generation and validation system for government organization.	Blockchain & Cybersecurity	Software	SIH1365

44	ministry-of-ideas	Nilankan Betal	Augmented/ Virtual reality system for the live training of troops.	Smart Automation	Software	SIH1410
45	Diplomats	Avijeet Sharma	Student Innovation	Agriculture, foodtech & rural development	Software	SIH1478

9. New article if any: Low-cost Myoelectric Prosthetic Arm by Team No. 33 students.

Problem statement: using 3-DPrinting technology for the structure of the prosthetic hand, and servo motors and Arduino for the mechanical purpose, Myoware muscle sensor is responsible for reading the electrical signals generated by muscle.

Theme: MedTech / BioTech / HealthTech.

Category: Hardware

10. Twitter/FB/Linkedin for the event organized and promoted on your social media-

INSTAGRAM: <https://www.instagram.com/p/Cxsjctrydqf/?igshid=MTc4MmM1YmI2Ng==>

11. Use of hashtags such as #sih2023 #smartindiahackathon2023 is must / 12. Tag official page of innovation cell, ministry of education on twitter.



Arkadeep Goswami

Arkadeep Goswami

SPOC, SIH 2023
Asst. Professor, CSE
MCKVIE

Workshop on “Entrepreneurship and Innovation” as Career Opportunity

The workshop on "Entrepreneurship and Innovation" as a Career Opportunity was organized by the Institution Innovation Council of MCKV Institute of Engineering, in collaboration with the Institute of Engineers (India) on 27th November 2023, from 4:00 pm to 9:00 pm. The guest speaker for the event was Mr. Sreyans Jain, Director at Sliced Mango Design Studio and an alumnus of the Department of IT.

The alumni talk enlightened students with their journeys and experiences as entrepreneurs. Mr. Sreyans Jain took the students through his academic journey, leading up to his first job at IBM India Pvt. Ltd. He enlightened the students about the ideation process and the importance of teamwork. A total of 55 students attended, along with faculty and staff members.

Mr. Sreyans Jain discussed various aspects, including the identification of the right problem and problem-solving approaches. He talked about different ideation techniques related to innovation and highlighted the importance of innovation, idea generation, and the identification of problems for successful entrepreneurship.

The speaker focused on topics such as startups in the education field (e.g., Byjus), Solopreneurship, different types of innovation, categories of innovation, and entrepreneurial success stories. The students actively participated in the talk and engaged in an informative interaction with the guest speaker about the future of the IT industry and opportunities in various non-IT sectors. The session concluded with valuable insights for the attendees.

Links: <https://www.instagram.com/p/C0DngovSX1a/?igshid=NWRjY2QxMjhkNg==>

https://m.facebook.com/story.php?story_fbid=pfbid09mdiVUaUGTfyfTQeXEkLGpTaAMchffqstmGUTrkG7pamSsg8yzGEZoLFWJwv42K7l&id=100076310046734&sfnsn=wiwspwa&mibextid=6aamW6

<https://x.com/IICMCKVIE/status/1728277027764236695?t=vIt2gLmHsoPUE6X2NFLigQ&s=08>



INSTITUTIONS INNOVATION COUNCIL OF MCKVIE
IN COLLABORATION WITH IE(INDIA), STUDENT'S CHAPTER
PRESENTS A WORKSHOP ON
"Entrepreneurship and Innovation as a career opportunity".

Speaker's Name:
Mr. Sreyans Jain
Director, Sliced Mango Design Studio
Alumni of Department of IT, MCKVIE

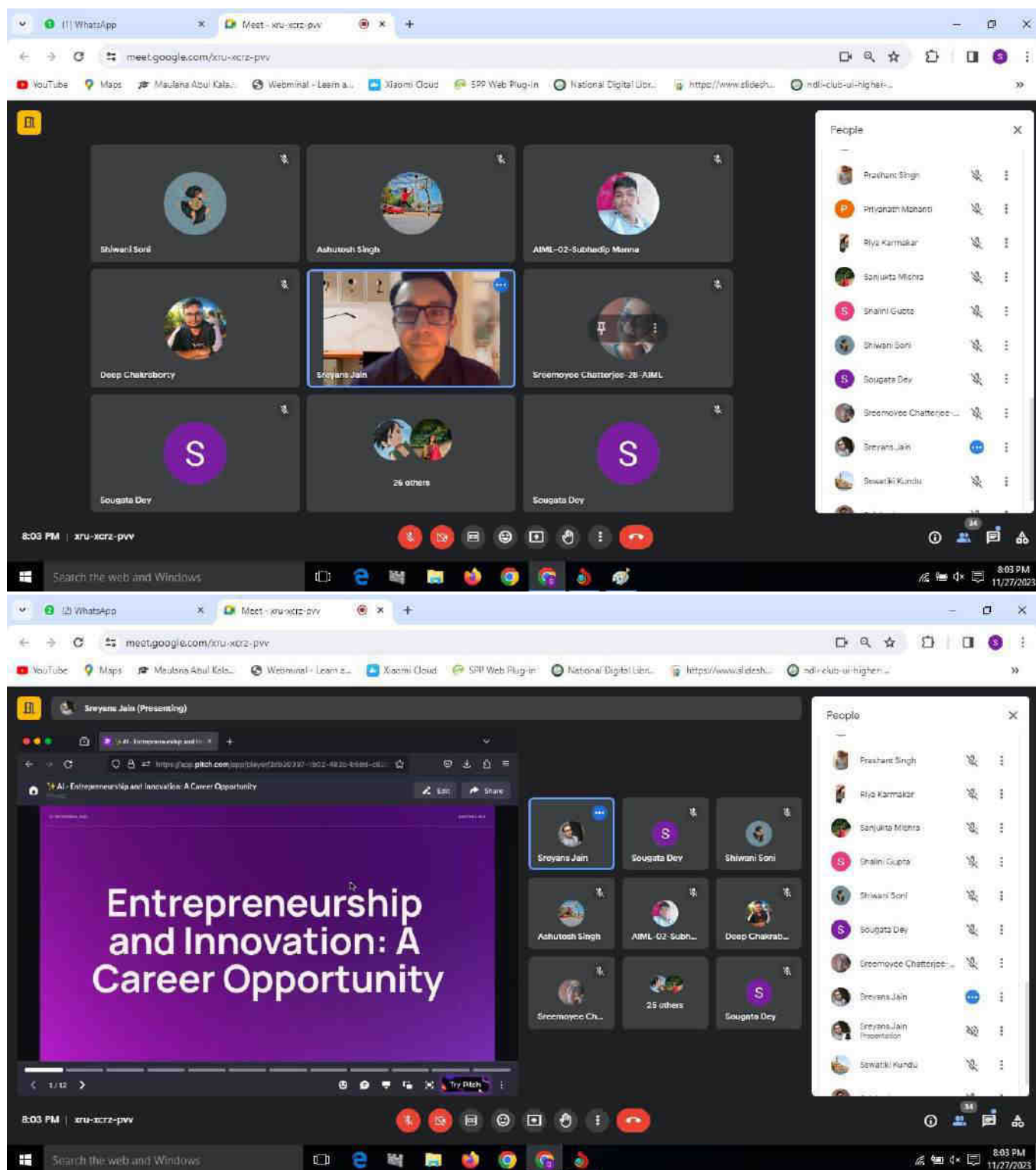
DATE:
27/11/2023

Online mode, GMEET Link:
meet.google.com/xru-xcrz-pvv

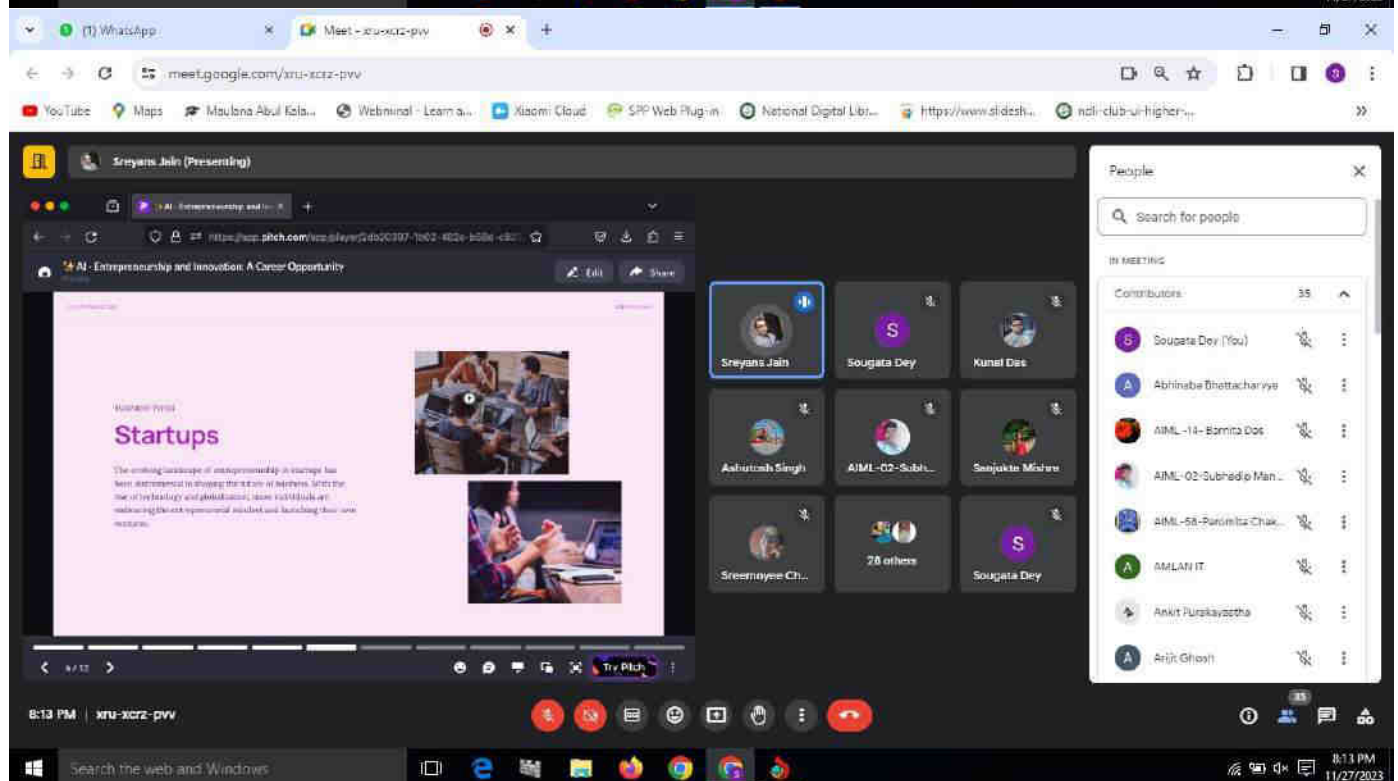
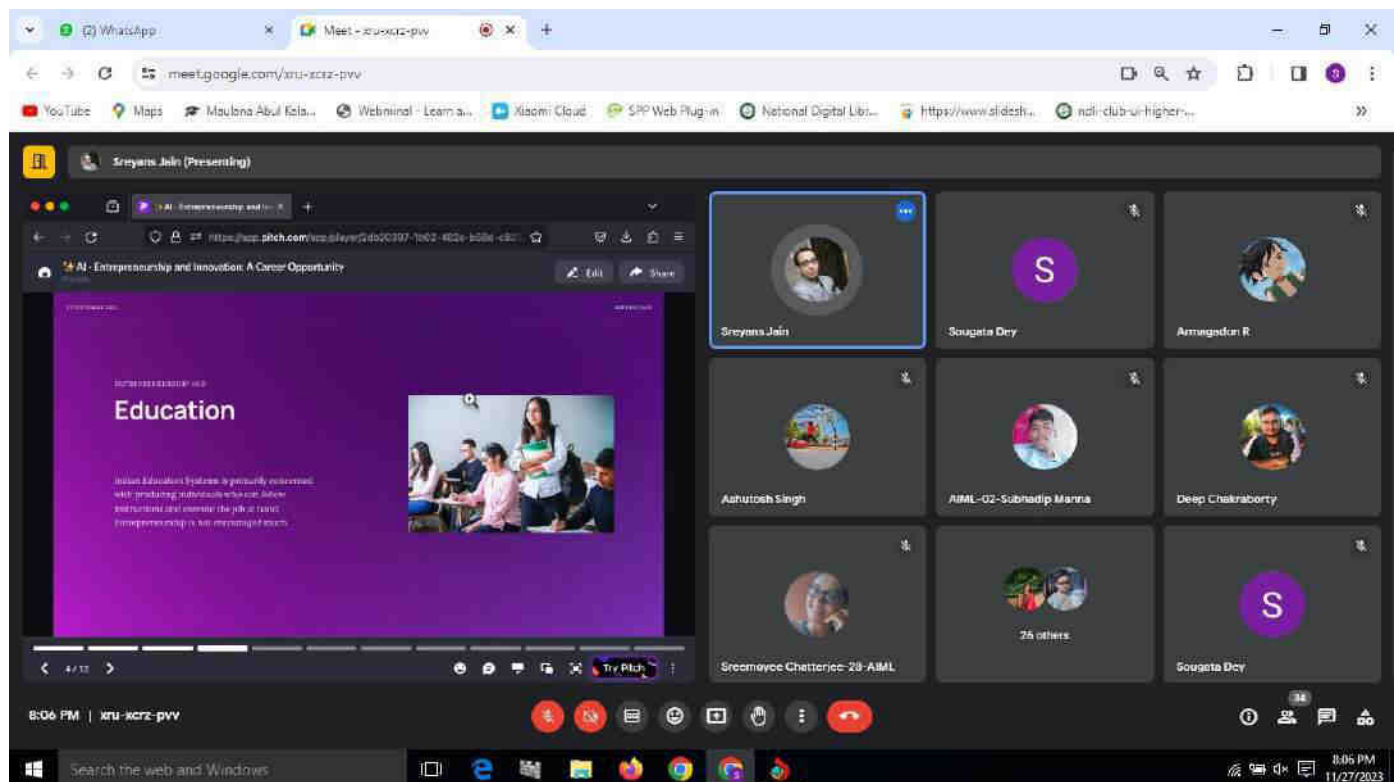
TIME: 04:00 pm onwards
Event co-ordinator:
Sougata Dey, 8910245306

@IICMCKVIE

Workshop on “Entrepreneurship and Innovation” as Career Opportunity



Workshop on “Entrepreneurship and Innovation” as Career Opportunity

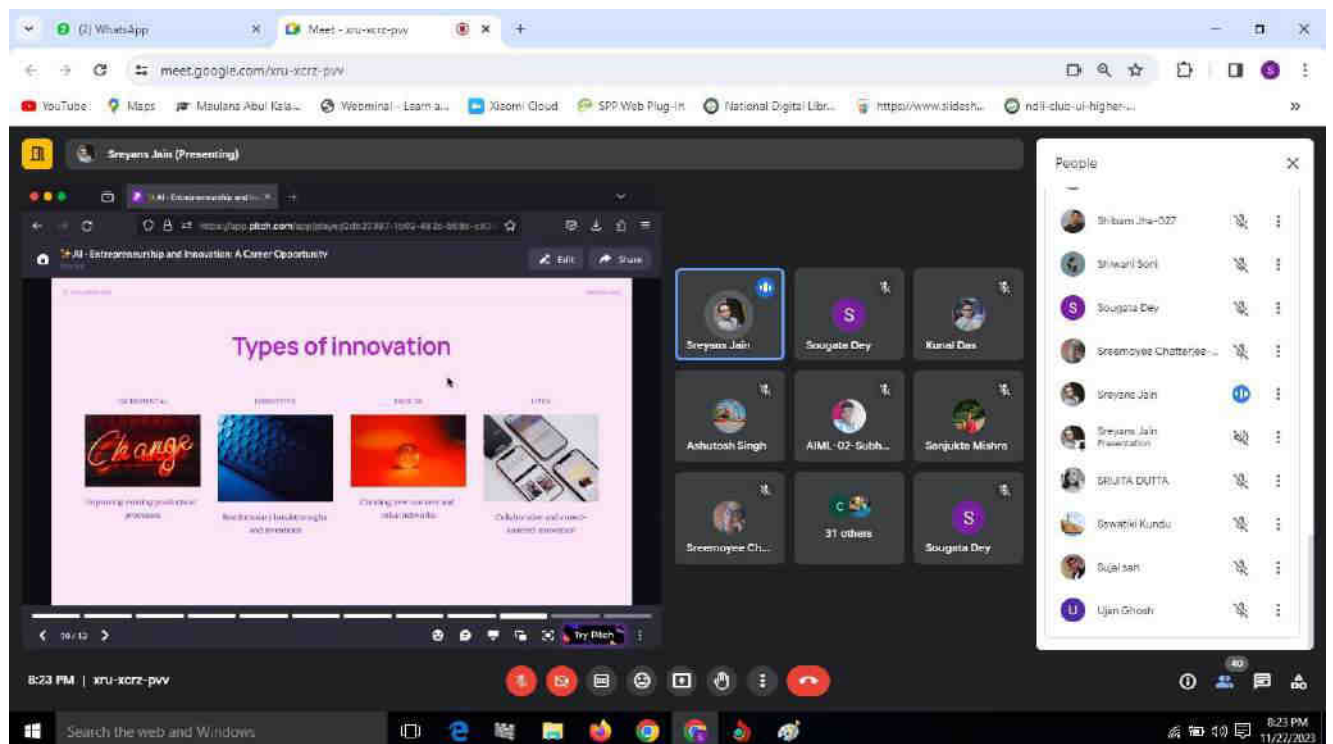
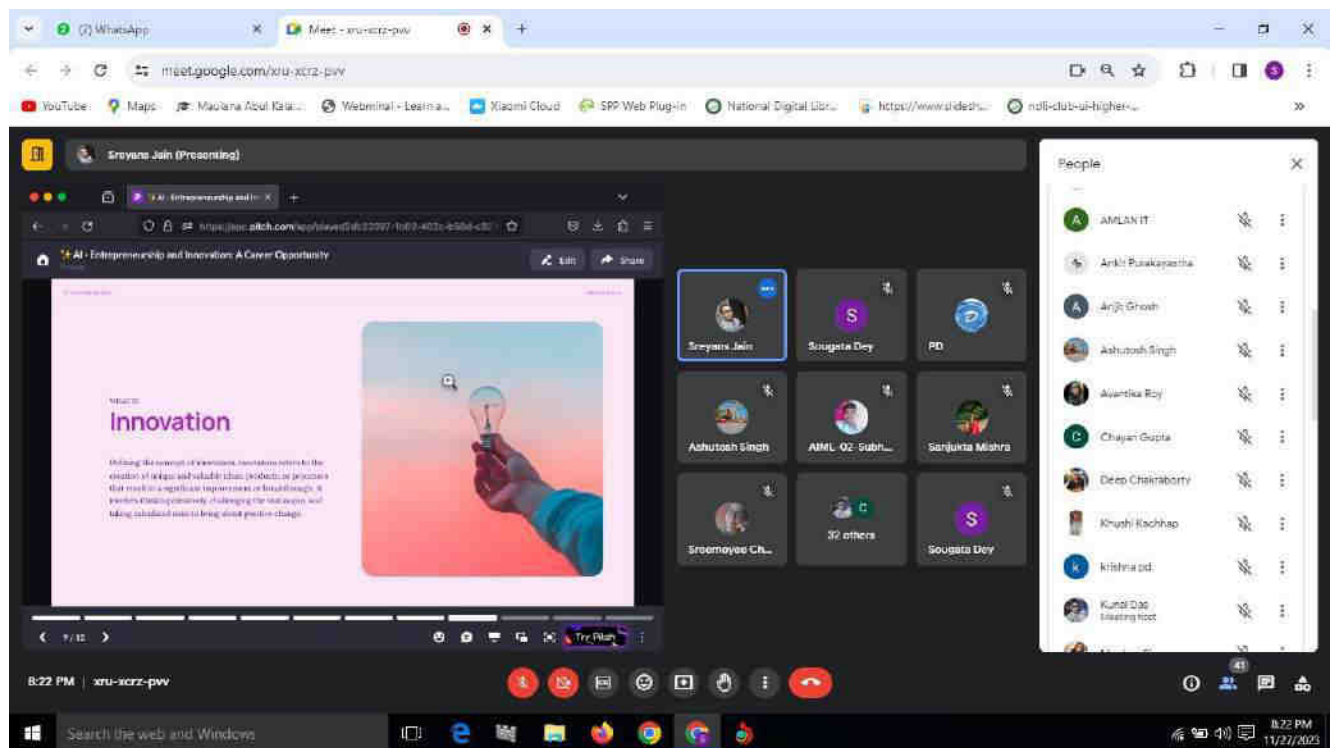


Workshop on “Entrepreneurship and Innovation” as Career Opportunity

This screenshot shows a Google Meet window during a presentation. The main display area shows a slide titled "Solopreneurship" with a subtitle "Being a sole owner can be both exciting and challenging, as a solopreneur you have the freedom to make all the decisions and when your success, but you also have to face the challenges of managing everything on your own, including finance, and marketing your business." The slide includes two images: a person in a hard hat and a person in a suit. The presenter, Sreyans Jain, is visible in a small window in the top left. A grid of participant avatars is shown on the right, and a list of names is visible in the "People" panel on the far right. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 8:15 PM on 11/27/2023.

This screenshot shows a Google Meet window during a presentation. The main display area shows a slide titled "Entrepreneurial success stories" with three sub-sections: "VAT", "IPO & MORE", and "STARTUP ENTREPRENEURSHIP". Each sub-section includes an image and a brief description. The presenter, Sreyans Jain, is visible in a small window in the top left. A grid of participant avatars is shown on the right, and a list of names is visible in the "People" panel on the far right. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 8:21 PM on 11/27/2023.

Workshop on “Entrepreneurship and Innovation” as Career Opportunity



Report on INSIGNIA 2K23, organized by CSE (DS) on 27/09/2023

It is our immense pleasure to announce that the Department of Computer Science and Engineering (Data Science) successfully organized INSIGNIA 2K23 which was held on 27th September, 2023 from 9:30am onwards. Following the rich tradition of our college, the inauguration commenced with Ganesh Vandana and lamp lighting by the dignitaries, namely Mr. Abhay Kejriwal, Trustee, MCKV Group, Prof. (Dr.) Abhijit Lahiri, Principal, MCKVIE, Mr. Avijit Bose, HOD-CSE and Prof. (Dr.) S.S.Thakur, Former HoD-CSE and Teacher-in-Charge, CSE(DS).



Inauguration Ceremony at B – 312 (B block)

This ritual is followed by the addresses of dignitaries to the audience. The inauguration program concluded with the vote of thanks given by Mrs. Mahua Nandy Pal, Teacher Coordinator of Insignia – 2K23. The inauguration program was hosted in an elegant way by the student anchors.



It was a three round competition, the first round of which was the pen and paper round, the second round was held on online coding platform (HackerRank) and the options provided for Coding includes both C and Java, and the participants may opt for one coding programming language based on their proficiency, and the third round was the Visualization round, where datasets was provided, and by using Python as a programming language the questions mainly oriented towards the applications of data science needs to be answered by the participants.

A student committee was formed with 18 members from both CSE and CSE (DS). They were amazingly enthusiast to commemorate the event. Student organizer committee members were very cooperative and tried their best to coordinate the event and to maintain the discipline. A total of 78 student teams registered for the event, among 78 registered teams 65 teams actually participated in the first round, and after the first-round screening 25 teams moved to second round, and finally 10 teams were screened for the third round which was the final round. Winning teams of the third round received exclusive prizes and certificates of appreciation.

Winners of INSIGNIA 2K23:

Rank 1: Team Lexical Error [Soumyadip Jana(CSE-DS) and Arijit Saha(CSE)]

Rank2: Team Eccentric Duo [Himel Dutta(CSE) and Sayan Bhattacharjee(CSE)]

Rank3: Team Data Dynamos [Avijoy Hazra(CSE-DS) and Tanmoy Pradhan (CSE-DS)]



Every participant received chocolates as a gift, while those who qualified in the first round and the student organizers were treated to delightful food packets. They returned home with the pleasant fragrance of the program. Members of the student organizing committee were also awarded certificates as a token of appreciation for their dedication and diligent efforts.



All the teacher committee members of the department put their effort whole heartedly to make the event a successful one. The contributions of the teacher committee members in preparing online coding platform for competition, preparing labs, preparing question papers, checking copies, guiding students in preparing certificates, banner, poster etc. are commendable.

Prof. (Dr.) S. S. Thakur, Teacher-in-Charge, CSE(DS) took the initiative to organize the program i.e. INSIGNIA-2K23 along with Ms. Mahua Nandy Pal and Mr. Soham Goswami were the coordinator and co-coordinator of the event. The entire day of the event will remain in our memories, and we will try to organize the same again in near future.

(Mrs. Mahua Nandy Pal)
Coordinator - INSIGNIA-2K23

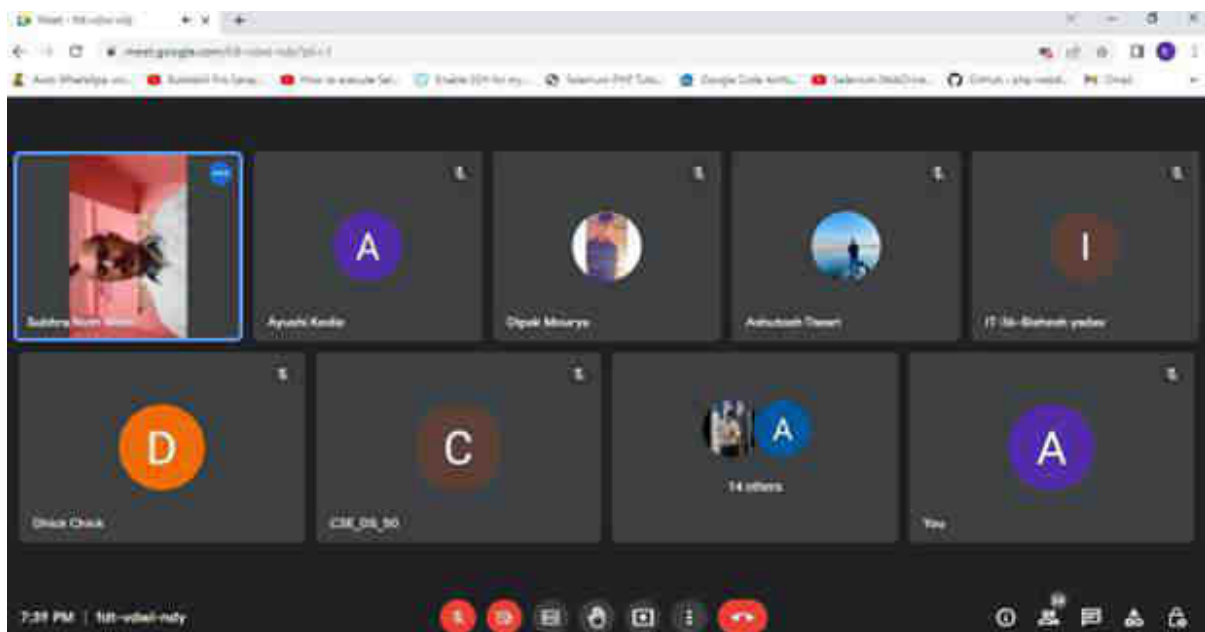
(Mr. Soham Goswami)
Co-coordinator, INSIGNIA2K23

(Dr. S. S. Thakur)
TI – CSE(DS)

(Mr. Avijit Bose)
HOD - CSE

National Education Day

When it comes to education, the significance of celebrating education day is to acknowledge that the right to be able to get an education of sufficient quality is a basic right for every person. The purpose of this day is to provide a forum for discussing continuing concerns, such as the gaps in educational possibilities that exist between urban and rural locations, as well as accessibility issues that exist between different socioeconomic classes. Additionally, National Education Day is marked in order to acknowledge the significant role that educators play in molding the generation that will come after us. Through the commemoration of National Education Day, we bring attention to the fundamental need of fostering literacy and education at every level of society. "Innovative Learning for Sustainable Future" is the theme that will be recurrent throughout National Education 2023. By use of this topic, the government of India and the Ministry of Education intend to install in students, the significance of learning that is both inventive and practical in order to construct a future that is sustainable. Prof Subhranath Maity was the speaker of the day.







National Education Day

<https://meet.google.com/fdt-vdwi-ndy>

7:30 PM

Prof. Subhra Nath Maiti
Assistant Professor
Management Science and Humanities
M.A.(English), M.A.(ELT)

 Rotaract Club of Mckv Institute of Engineering  rc_mckvie  Rotaract Club of MCKVIE

In order to provide students with the basic knowledge about how to plan a start-up and the steps to be taken towards achieving goals, Institution Innovation Cell of MCKVIE organized a seminar on the topic- “Orientation program for youth 2 youth connect” on 4th October, 2023, at 1 PM. The speaker of the session were- Mrs. Alokanda Bhowal, DCP, Howrah, Shri Dushyant Prajapati, Sc-D, Joint Director and Head of Kolkata Branch Office-1, Bureau of Indian Standards. The vision of the program is to create more job opportunities and a better work environment for all, and to connect and equip people.

The session focused on Business Startup and Entrepreneurship. The intention or the objective of the session was to help the students to plan a startup of their interest. Various aspects of startups were discussed in the program including the idea, mission and legal methods. The speaker emphasized that more than earning for ourselves, startups should be quite innovative that would help the lives of ordinary people.

This leadership talk was strengthened by 50 student members and 8 Faculty members of MCKVIE. The program is concluded with the vote of thanks by Mr. Debanka De, Assistant professor, EE department.







Program/Activity Name: Design Thinking and Innovation

Program Type: IIC calendar activity (Expert Talk)

Date: 12th October, 2023

Time: 11 AM onwards (2 hours)

Number of Participants: 71

Number of Faculty Participants: 06

Faculty co-ordinator: Dr. Soutrik Bose

Event co-ordinator: Dr. Abhijit Dutta

Remark: The event was organized by the Department of Mechanical Engineering and Institution's Innovation Council (IIC) of MCKVIE on 12th October, 2023. The aim of this event was to provide a comprehensive exploration of Design Thinking and Innovation, fostering a deep understanding of these concepts and their practical applications.

Mode of Session delivery: Online

Objective: The session on Design Thinking and Innovation aimed to foster a creative and problem-solving mindset among participants by introducing them to the principles and methodologies of design thinking. The primary objective was to enhance the ability to approach challenges with a user-centric perspective, emphasizing empathy and iterative prototyping. Through this interactive session and real-world case studies presented by the expert, attendees have developed a deeper understanding of the design thinking process, from ideation to implementation.

Benefit in terms of learning/Skill/Knowledge obtained*: Participants obtained the following learning/Skill/Knowledge:

1. The benefits of this session extended beyond the immediate context, offering participants valuable learning experiences that can be applied across various disciplines.
2. Participants have gained practical skills in brainstorming, collaboration, and rapid prototyping, equipping them to tackle complex problems in innovative ways.
3. The session fortified a mindset shift towards embracing failure as a crucial step in the learning process, fostering resilience and adaptability.
4. It provided a holistic approach to problem-solving, empowering participants with a versatile toolkit applicable to diverse professional and personal challenges.



Howrah, West Bengal, India

Laxmi Niketan, 243, G.T. Road (N), Liluah, Howrah, West Bengal 711204, India

Lat 22.620172°

Long 88.347266°

12/10/23 11:32 AM GMT +05:30



 **GPS Map Camera**

Howrah, West Bengal, India

243, G. T. Rd (North), Liluah, Howrah, West Bengal 711204, India

Lat 22.62014°

Long 88.347365°

12/10/23 11:29 AM GMT +05:30



 **GPS Map Camera**

Howrah, West Bengal, India

243, G. T. Rd (North), Liluah, Howrah, West Bengal 711204, India

Lat 22.62014°

Long 88.347365°

12/10/23 11:28 AM GMT +05:30

Google



INSTITUTIONS INNOVATION COUNCIL OF MCKVIE

IN COLLABORATION WITH ME DEPARTMENT

PRESENTS A SESSION ON

'Design Thinking and Innovation'.



Speaker's Name: Dr. Pushpdant Jain

Assistant Professor,

Member of European Society of
Bio-Mechanics, LMISTE, SMIE & LMIAENG School
of Mechanical Engineering, VIT Bhopal University,
Bhopal-Indore Highway, Kothrikalan, Sehore,
Madhya Pradesh - 466114



TIME:

11:00 am onwards

DATE:

12/10/2023

Online mode, GMEET Link:

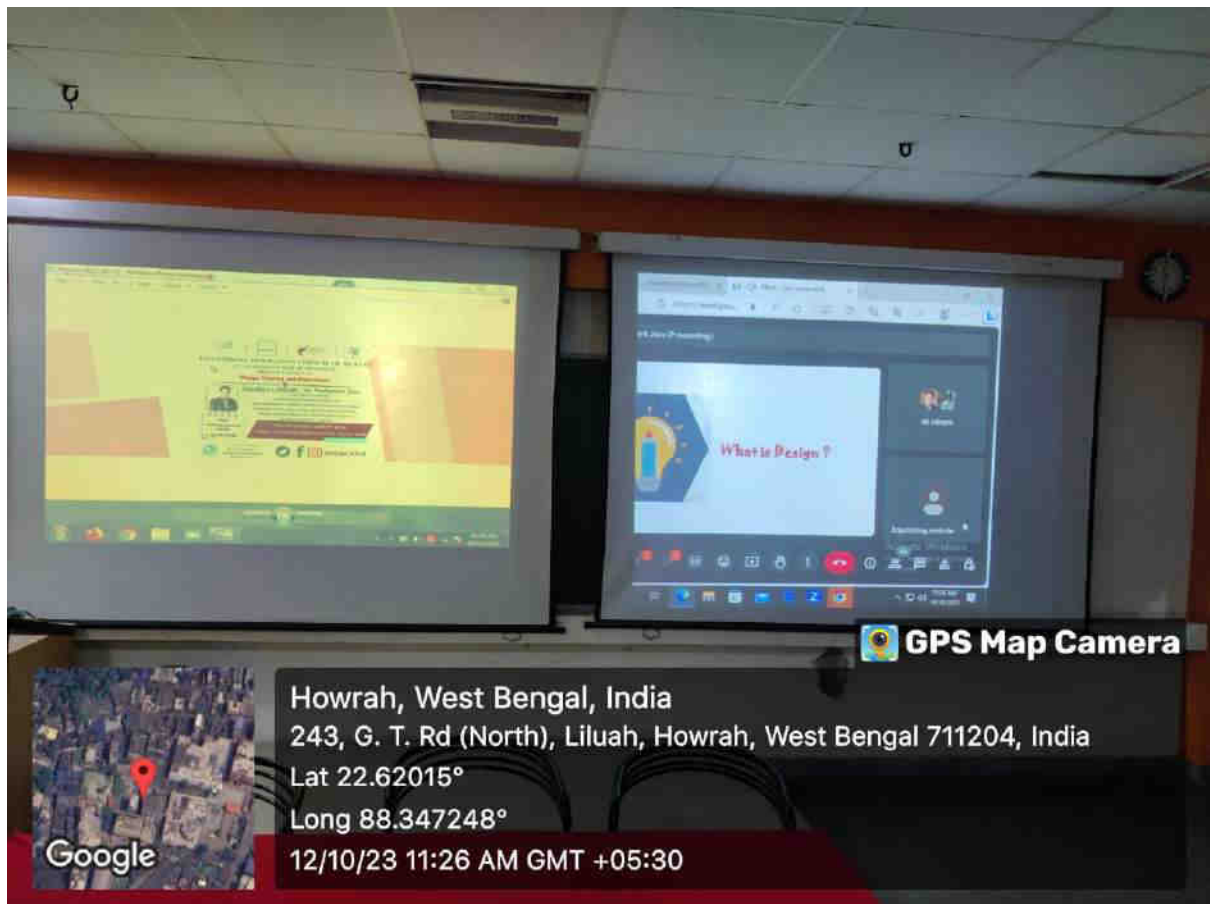
<https://meet.google.com/xih-myhe-xmk>



Event co-ordinator:
Dr. Abhijit Dutta
contact: 9432499720 /
7001527186



@IICMCKVIE



National Innovation Day

National Innovation Day is a day dedicated to celebrating the spirit of innovation, entrepreneurship, and intellectual curiosity. It was celebrated on 15th October, 2023. Students, faculty members were present for the occasion. Mr Soumik Kumar Basu (Research Scholar at IIT Hyderabad) alumni of MCKVIE, was the speaker of the day. The theme of World Creativity and Innovation Day in 2023 is Step Out and Innovate. Collaboration with aspiring inventors to develop new projects for a variety of businesses and industries is one of the ways that Innovation Day is honored. This day is also commemorated by brainstorming ideas to alleviate the everyday difficulties that customers face. The primary objective is to encourage innovation and to display all of the active innovation activities on a platform that is referred to as the innovation carousel of innovation. A market place where innovation teams, innovators, and business owners can exhibit their verified hypotheses, provided value, Minimum Viable Products, and other innovations is known as an innovation carousel.

Zoom Link-

<https://zoom.us/j/94655846925?pwd=M0ZnTHI5T01sdDd1enZmSmZheG9wQT09>



The image is a composite of two parts. On the left is a promotional poster for 'National Innovation Day' organized by the 'Risers Club of MCKVIE'. The poster features a dark blue and yellow color scheme. At the top, it lists various accreditation logos (AACSB, ISO 9001, ISO 14001, ISO 45001, G2A). The main title 'NATIONAL INNOVATION DAY' is prominently displayed. Below it, the event details are provided: DATE: 15th October, 2023, TIME: 7:00 PM, and MODE: Online Zoom Meeting. A section titled 'Speaker' introduces 'SOUMIK KUMAR BASU', a Research Scholar at IIT Hyderabad, accompanied by his portrait. Social media links for Facebook, Instagram, and YouTube are also included. On the right is a screenshot of a Zoom meeting in progress. It shows a 3x3 grid of nine participants, each with a unique profile picture. The Zoom interface at the bottom includes a toolbar with icons for chat, mute, video, and other standard meeting controls.

Report on Five Days On-Line Programme on “The Innovative Power of Machine Learning in Image Processing” during 6th-10th Nov, 23 organized by Department of Information Technology,MCKVIE.

Mode: Online (Google meet link: <https://meet.google.com/gzv-sbfs-bki>)

Total No of participants: 44

The First Day : 6th Nov,23

The inaugural session of the Faculty Development Programme on “The Innovative Power of Machine Learning in Image Processing” was started at 10.00 am where Prof.(Dr) Abhijit Lahiri, Principal MCKVIE, has delivered the inaugural address. Prof. Sachin Balo, HOD-IT of MCKVIE delivered the welcome address and the technical session was started followed by a break. MCKVIE faculty and the external participants registered in the FDP from all sector were present in the audience. Prof. Arijit Sarkar one of the program co-ordinator of the FDP has offered the vote of thanks in the inaugural session.

First session speaker was Prof .(Dr.) Asit Kumar Das, Professor, IEST and second session speaker was Jayanta Paul, Research Scholar, IEST.They have delivered very informative lecture with some hands on session. They have discussed ML process and its application and different image processing purposes and techniques with example of Sea Bass and Salmon in detail. One traditional ML technique for image classification based on graph based feature selection and the brief introduction of CNN with implementation was demonstrated also. The whole day program was coordinated by Dr. Shampa Sengupta, Program Coordinator,FDP.

Few screenshots of the program

Meeting interface showing a presentation slide titled "Machine Learning in Image Classification" by Dr. An Kumar Das, Professor, Department of Computer Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah 711003, West Bengal, India. The slide includes contact information: Email: akdas@iiserb.ac.in, Homepage: http://www.iiserb.ac.in/index.php/aboutme/index.htm, and Google Scholar: https://scholar.google.com/citations?user=mg02UNAA&hl=en.

Participants visible in the grid:

- Asit K Das (Presenting)
- Dr. Dhrubajyoti Ghosh
- Dr. Debopriya Kar Ray
- Anwesha Das
- ARJIT SARKAR
- FDP IT
- AMLAN IT
- Subhankar Mudi has joined

Meeting controls: close, mute, press, to more, call. Status: 10:38 | gzv-sbfs-bki. Info: peoplehatulinn.

Meeting interface showing a presentation slide titled "Feature Extraction". The slide content includes:

- Convolution Neural Networks (CNNs), a type of deep learning architecture, are commonly used for AI image processing. CNNs automatically learn and extract hierarchical features from images.
- They consist of layers with learnable filters (kernels) that detect patterns like edges, textures, and more complex features.

Participants visible in the grid:

- Asit K Das (Presenting)
- AMIT KHAN
- AMLAN IT
- Anwesha Das
- Sandip Chakrabarty
- FDP IT
- bijoyini bagchi
- 25 others
- Shampa Sengupta

Meeting controls: close, mute, press, to more, call. Status: 11:11 | gzv-sbfs-bki. Info: peoplehatulinn.

Google Meet interface showing a presentation by Asit K Das. The presentation slide is titled "Conclusion" and lists the following points:

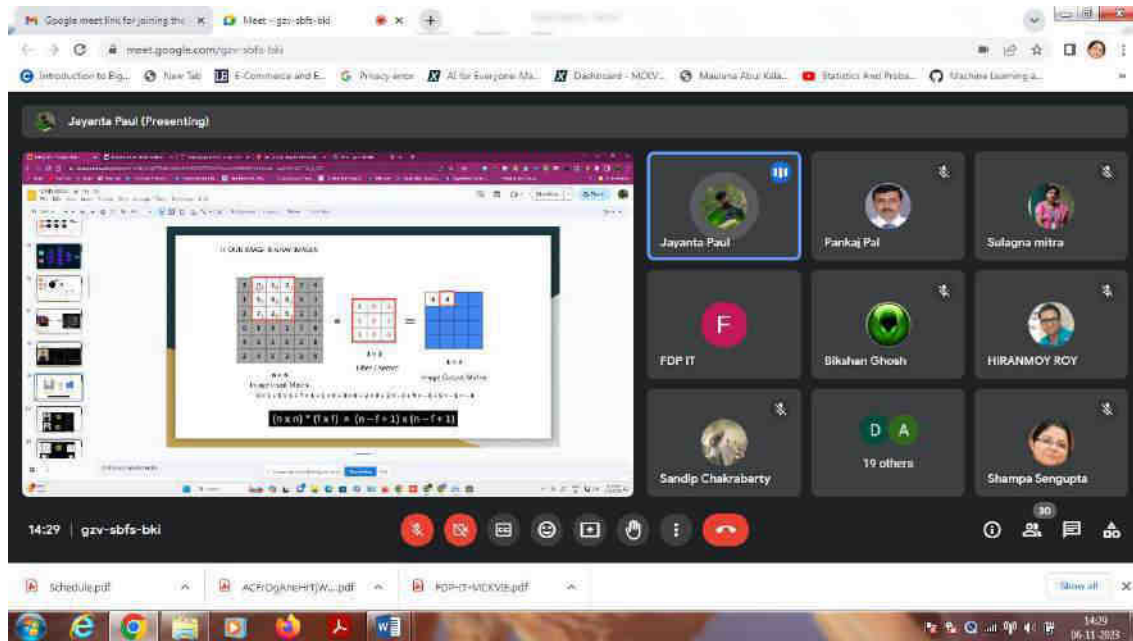
- Human extracted features Vs Machine extracted features
- Combination of these extracted features
- Comparison with related methods based on statistical measures
- Various deep neural network architecture

The interface also shows a grid of participants, including Asit K Das, Anwoca Das, FDP IT, bijoyini bagchi, AMLAN IT, AMIT KHAN, Sandip Chakrabarty, 24 others, and Shampa Sengupta. The bottom of the screen displays a taskbar with various applications and a system clock showing 12:01 on 06.11.2023.

Google Meet interface showing a presentation by Jayanta Paul. The presentation slide is titled "Prerequisite:" and lists the following topics:

- Machine Learning Fundamentals:** Understanding of supervised and unsupervised learning, Familiarity with classification and regression problems, Knowledge of overfitting, underfitting, and how to address these issues.
- Neural Networks:** Basics of feedforward neural networks, Understanding of activation functions (e.g., sigmoid, ReLU, etc.), The concept of backpropagation for training neural networks.
- Programming and Tools:** Proficiency in a programming language like Python, Experience with popular deep learning frameworks such as Keras, TensorFlow or PyTorch, Deep learning library such as NumPy, Pandas, Matplotlib, Scikit-Learn.
- Mathematics:** Linear algebra: Understanding of matrices and vector operations, Calculus: Knowledge of derivatives and gradients, Probability and statistics: Concepts like probability distributions and maximum likelihood estimation.

The interface also shows a grid of participants, including Jayanta Paul, Pankaj Pal, Sulagna mitra, FDP IT, Dr. S.S. Thakur, AMLAN IT, Sandip Chakrabarty, 13 others, and Shampa Sengupta. The bottom of the screen displays a taskbar with various applications and a system clock showing 14:09 on 06.11.2023.



7th Nov,23

First session speaker was Prof .(Dr.) Debashis De, Professor, MAKAUT and second session speaker was Surajit Das, Research Scholar, MAKAUT. They have delivered very nice and explanatory lecture with some hands on session. They have discussed various concepts like Privacy preserving ML model for Drone Image processing, Digital Twin , Digital AVTAR etc. Various Drone image processing technique was discussed for different domain. They have discussed different feature selection techniques in python environment as Explainable AI and Hands on session using Eli5 ,SHAP,LIME method etc. Participants gathered knowledge and appreciated both the session. The whole day program was coordinated by Dr. Shampa Sengupta, Program Coordinator,FDP.

Few screenshots of the program

Incobot (204) - shampa2812@gmail.com Meet - gzv-sbfs-bki

meet.google.com/gzv-sbfs-bki

Introduction to E... New Tab E-Commerce and E... Privacy-Intro AI for Everyone Ma... Diskboard - MCOV... Mausana Abul Kila... Statistics And Psys... Machine Learning a...

Surajit Das (Presenting)

Surajit Das

Debashis De

Soumyadip Dhar

HIRANMOY ROY

FOP IT

Nayan Dutta

bijoyini bagchi

22 others

Shampa Sengupta

14:43 | gzv-sbfs-bki

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1443 07.11.2023

Incobot (204) - shampa2812@gmail.com Meet - gzv-sbfs-bki

meet.google.com/gzv-sbfs-bki

Introduction to E... New Tab E-Commerce and E... Privacy-Intro AI for Everyone Ma... Diskboard - MCOV... Mausana Abul Kila... Statistics And Psys... Machine Learning a...

Surajit Das (Presenting)

Surajit Das

sachin singh Rajput

Debashis De

Soumyadip Dhar

FOP IT

Sandip Chakrabarty

AMLAN IT

24 others

Shampa Sengupta

15:33 | gzv-sbfs-bki

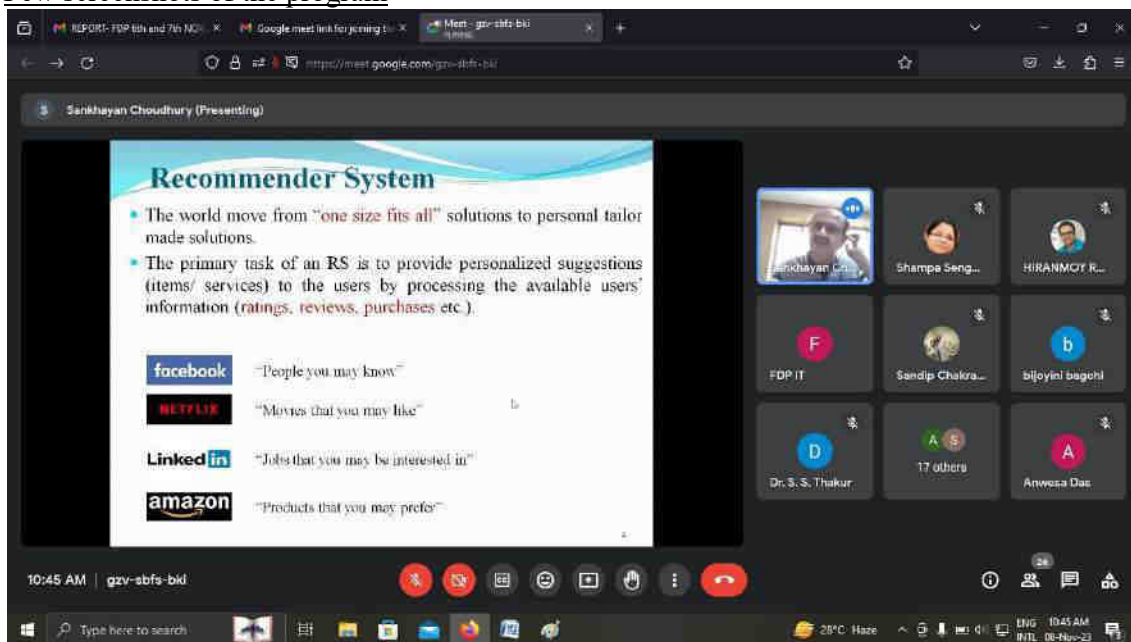
DDD sem Duty Us...pdf DDD sem Duty Us...pdf mini project abstra...pdf topics methed abs...pdf FinalReport.pdf Show all

1533 07.11.2023

8th Nov,23

First session speaker was Prof. (Dr.) Sankhayan Choudhury, CU,KOL. He delivered very nice and explanatory lecture with recommendation system. He discussed various concepts like ranking version, prediction version of recommender system etc. Collaborative filtering, content based filtering were discussed in this session. Second session speaker was Dr. Shyamaprosad Chowdhury Principal, Data scientist, Rebeca Technologies. He discussed various concepts like digital image, object recognition using machine learning, deep learning technique like R-CNN, YOLO etc. Participants gathered knowledge and appreciated both the session. The whole day program was coordinated by Ms. Anwesa Das, Program Coordinator, FDP.

Few screenshots of the program



REPORT- FDP Eds and 7th NO... Google meet link for joining the... Meet: gzv-sbfs-bkl

Sanjayan Choudhury (Presenting)

Recommender System: Goals

- **Prediction version of problem:** To predict the rating value for a user-item combination. It is assumed that training data is available, indicating user preferences for items. For m users and n items, this corresponds to an incomplete $m \times n$ matrix, where the specified (or observed) values are used for training. The missing (or unobserved) values are predicted using this training model. This problem is also referred to as the **matrix completion problem**.

10:53 AM | gzv-sbfs-bkl

Type here to search

Result

ENG 10:53 AM
INTL 08-Nov-23

inbui 110 - mshy.anwesad... Google meet link for joining the... Meet: gzv-sbfs-bkl

Shyama Prasad Chowdhury (Presenting)

Objective

- What is Image Processing
- Where Machine Learning comes in Image Processing
- To provide a holistic approach rather than any of the specific topic
- No Mathematics

2:16 PM | gzv-sbfs-bkl

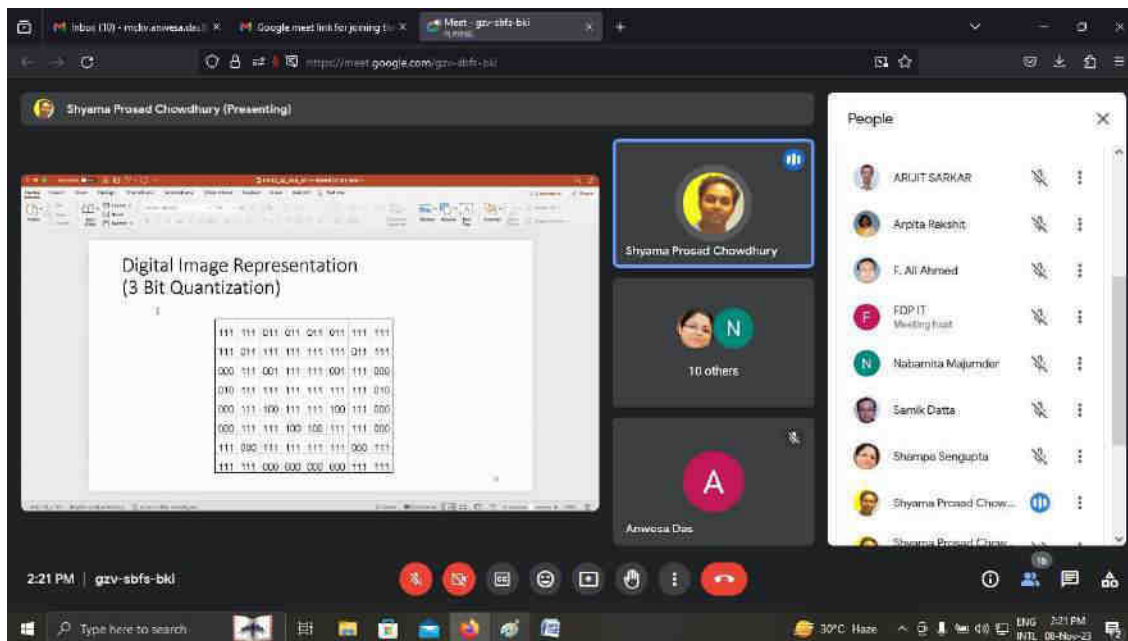
Type here to search

Games

ENG 2:16 PM
INTL 08-Nov-23

People

- ARJIT SARKAR
- Arpita Reksit
- FDP IT Meeting Feed
- Nabamita Majumder
- Priyansh Mahanti
- Samik Datta
- Shampa Sengupta
- Shyama Prasad Chow...
- Shyama Prasad Chow...



9th Nov,23

First session speaker was Prof. (Dr.) Amitava Choudhury, Pandit Deendayal Energy University, Gandhinagar, Gujarat, India. He delivered very nice and explanatory lecture on material images and machine learning application with CNN on it. He discussed various concepts like ANN,CNN etc with some hands on session. Second session speaker Prof. (Dr.) Debabrata Datta ,IT, MCKVIE discussed various algorithms on deep learning of image processing specially on medical images etc. He discussed some common medical image processing techniques.Participants gathered knowledge and appreciated both the session. The whole day program was coordinated by Ms. Anwesa Das, Program Coordinator, FDP.

Few screenshots of the program

Google Meet interface showing a presentation slide titled "Research Objectives". The slide content includes:

- Classification and segmentation of different phases available within the microstructure.
- Machine Learning model to predict and analyze the qualitative and quantitative information from the microstructure.
- To develop a software application for extracting the above-predicted information for further use.

The interface also displays a list of participants in the meeting, including Amitava Choudhury (Presenting), Anwesha Das, and others. The time is 10:48 AM.

Google Meet interface showing a presentation slide titled "THE NEURON". The slide content includes a diagram of a neuron with inputs and outputs:

Input signal 1, Input signal 2, Input signal n, Neuron, Output signal, and a box labeled "10000".

The interface also displays a list of participants in the meeting, including Amitava Choudhury (Presenting), Anwesha Das, and others. The time is 10:55 AM.

The End Day: 10th Nov,23

On this particular day in the first session the Speaker was Prof. (Dr.) Mayukh Sarkar from NIT Jamshedpur. Prof Sarkar delivered the Topic on Deep Learning in Image Processing. He discussed very elaboratively on Basics of Neural Network, Convolution Neural Network and Generative Adversarial Networks. He pointed about various CNN architectures mainly LeNet-5, AlexNet etc and mentioned clearly Object Localization. He also demonstrated the IoU on Programming Language wherein he mentioned IoU is suggested to be used over MSE as the metric for object Detection. He explained in details about Auto Encoders and Generative Adversial Network architecture.

Few screenshots of the program

Deep Learning in image processing

EXAMPLE 5: USING THE ENCODED IMAGES FOR DIGIT IDENTIFICATION

- Autoencoder of Example 4 is extracting only 30 most important features from each image. Can we perform digit identification using this 30 features only?
- Let's transfer the encoder layer to a deep neural network, where two layers with 15 and 10 neurons respectively, follow the encoder layer. The 10-neuron layer is the output layer.
- Freeze the encoder layer, so that it's weights will remain unchanged during training.
- Train the network and experiment with the performance on the testing images.

Input layer (784 neurons) → First hidden layer (100 neurons) → Coding layer (30 neurons) → Second hidden layer (15 neurons) → Output layer (10 neurons)

Mayukh is presenting

```
def digit_identification(image):
    # Extract features from the encoder
    encoder_output = model.encoder.predict(image)

    # Decode the features using the decoder
    decoder_output = model.decoder.predict(encoder_output)

    # Flatten the output and pass it to the output layer
    output = model.output_layer.predict(decoder_output)

    # Return the predicted digit
    return output
```

Mayukh is presenting

Anwe... FDP Mayu...

Valedictory & Examination

On this particular day in the Post Lunch session the **Valedictory Session** Conducted and a Examination Held on the basis of 5 days FDP Learning. In the Valedictory Session Prof. Sachin Balo , HOD-IT of MCKVIE delivered the Valedictory address and the Organising Committee members of FDP also proposed the Vote of Thanks towards all the participants and all Renowned Speakers of 5 days FDP.

The Examination Link of the FDP was-<https://forms.gle/qP7U13RBBppFUDoX6>

Overall report of the activity: Industrial Visit “Exposure and field visit for problem identification”

Date: 17th November, 2023

Institution's Innovation Council (IIC) of MCKVIE in collaboration with the Automobile Engineering Department, MCKVIE organized “**Industrial Visit “Exposure and field visit for problem identification” on 17th November, 2023.** This is an off-line event and approximately 52 participants (students and faculty members) attended in this visit.

Details of the Industry exposure visit:

An industrial visit to Tata Power Skill Development Institute would have specific objectives geared towards understanding the institute's role in skill development and identifying potential challenges. By this exposure visit students actively engaging with industry professionals allows participants to identify common challenges and issues faced by the industry. Stablishing connections with experienced professionals who can provide guidance and mentorship. Encouraging participants to think critically about problems and potential solutions. Find more about the energy efficiency and conservation activities. Examine the ways that smart technologies can be applied to improve the distribution of energy. Examine the procedures utilised to evaluate trainee performance and provide certifications.



Report On National Youth Day celebration

National Youth Day seminar was conducted on 12th January, 2024 on the occasion of the 161th birth anniversary of Swami Vivekananda. The seminar was concerned with the Role of Swami Vivekananda and his principles in today's student life. The principal areas that the speaker focused on were self-confidence, determination, and consistency in one's life to achieve the desired goal. An inspiring session featuring an influential speaker, Mr Suvankar Dasgupta delivered his lecture on "Role of Swami Vivekanand in today's students' life. More than 65 students attended the seminar in virtual mode.



IICMCKVIE IN COLLABORATION WITH RCMCKVIE
PRESENTS A SESSION ON

"Role of Swami Vivekananda in today's student life"

 **12/01/2024**
Start At 07:00pm

SPEAKER

Mr Suvankar Dasgupta

Qualification - B.E. (Electrical), 1982 from IEST
(Erstwhile Bengal Engineering College, Shibpur)
Ex Project Management Personnel, Ex Employee of
ADNOC (ABU DHABI NATIONAL OIL COMPANY), UAE

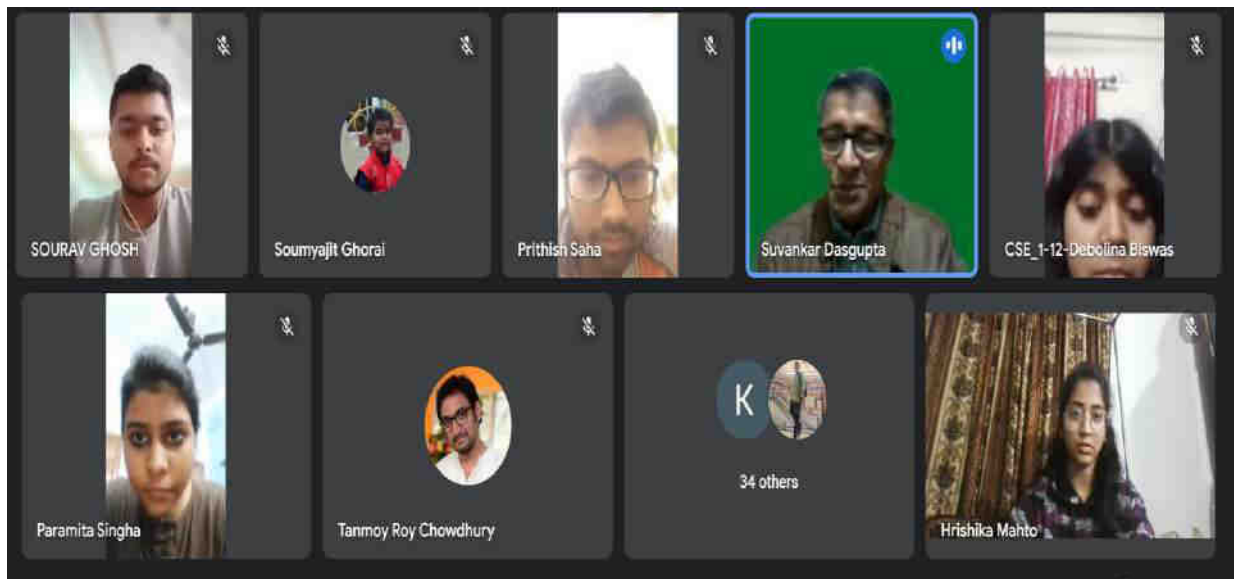




@IICMCKVIE
Event co-ordinator:
Tanmoy Roy Chowdhury

Online Webinar

GALLERY



Report of IIC Regional Meet 2024

Venue: Sister Nibedita University, New Town, Kolkata

Date:12-Jan-2024

IIC regional Meet was attended by following IIC Members of MCKVIE:

- Dr. Rajarshi Sanyal, (Asst. Professor, ECE)
- Mr. Partha Pratim Saha, (Asst. Professor, CSE)
- Mr. Ajoy Ghosal (Lab Instructor, ECE)
- Ms. Sreemoyee Chatterjee (Student Members, AIML)

The reporting time was 9:00AM and there was a nicely managed registration process for smooth registration of delegates. The poster of IIC-MCKVIE was placed at the appropriate location and tagged by the volunteers of IIC, SNU. Mr. Dipan Sahoo, Assistant Innovation Director, MOE's Innovation Cell was the Chief Guest. Mr. Sahoo has delivered the inaugural speech regarding the highlighted topics comprising of **Innovation** and **Entrepreneurship**.

The poster presentation started at 10:00 AM with more than 50 posters from different institutions, were evaluated by the experts from Industries and Academics. The evaluation status was accredited on the basis of the following benchmarks:

- Number of Innovation Contest done in the colleges during 2022-23.
- Status of different cadres of Projects submitted in YUKTI Portal.
- Quality of the projects was judged through the TRL Level attained for the individual projects.
- Number of incubation cells present in the institute.
- Number of IPRs registered for the Patent during AY:2022-23.
- Number of entrepreneurs from Alumni and its proportion with respect to number of students passed out for the same year.
- Number of team achievement with successful titles in different Hackathons in AY:2022-23.
- Star rating of the IIC Institution for AY:2022-23.

Along with poster presentation, prototype exhibition cum contest was arranged for YUKTI Innovative projects. The projects were evaluated according to the following criteria:

- Uniqueness of the idea.
- Novelty of the designed prototype
- Economic viability
- Social impact.

Additional sessions were arranged in a track format:

- **Track1:** Group discussion focused on Technology transfer among the experts from different industries and academia.
- **Track2:** Idea sharing session hosted by different domain experts regarding entrepreneurship.

According to the above mentioned observations, the following future plan of action can be drafted in order to attain better results in subsequent IIC Regional Meets:

- Improvement of the IIC Star Rating is a prime objective.
- Submission of ample number of innovations/ideas in YUKTI-NIR.
- Final year projects may be targeted in this regard.
- Hackathon participation with better results.
- Development of Incubation Centre in the Institute.
- Encouragement for entrepreneurship / startups.



MCKV Institute of Engineering

243, G.T. Road (N), Liluah, Howrah – 711204

Ph: +91 33 26549315/17 Fax +91 33 26549318 Web: www.mckvie.edu.in/



Report on the Workshop

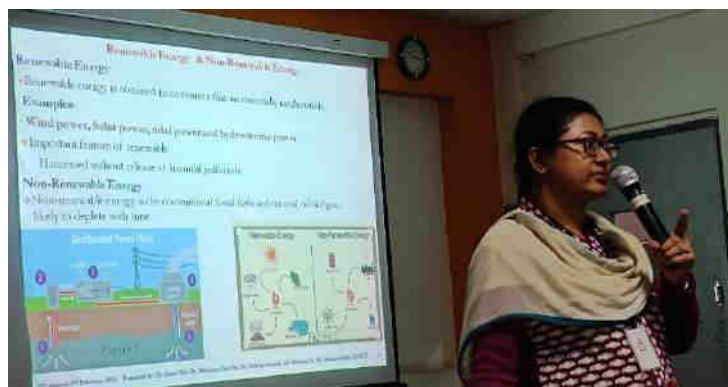
“Solar Solutions: Powering a Greener Tomorrow”

The collaborative efforts of the Basic Science and Electrical Engineering departments at MCKV Institute of Engineering culminated in the successful organization of the workshop titled “Solar Solutions: Powering a Greener Tomorrow” from 29th January to 2nd February 2024. The primary focus was to impart valuable insights and knowledge about solar solutions to the B.Tech. second-semester students.



The workshop was inaugurated with great enthusiasm and prestige by Prof. (Dr.) Abhijit Lahiri, the Principal of MCKV Institute of Engineering. He was joined by Dr. Dipankar Ghosh, Head of the Basic Science department and Dr. Tamal Roy, Head of the Electrical Engineering department. Their presence underscored the importance of the workshop and highlighted the institutional commitment to fostering sustainable and green practices. In the context of the growing need for alternative sources of energy, the workshop highlighted the significance of solar energy as a viable solution. The finite nature of conventional energy sources and the environmental impact of their utilization necessitate a transition towards sustainable alternatives. Solar energy, being abundant, renewable and environmentally friendly, stands out as a promising solution to address the escalating energy demands while minimizing ecological footprint.

The heart of the workshop consisted of informative lectures delivered by faculty members, including Dr. Tamal Roy, Dr. Debopoma Kar Ray, Mr. Sudeep Samanta, Mr. Santanu Maity and Mr. Debnaka De of MCKVIE. The sessions covered various aspects of solar solutions, ranging from the fundamental principles of photovoltaic technology to the latest advancements in solar energy systems. The discussions after each session ensured a comprehensive and engaging learning experience for the students.



One of the highlights of the workshop was a plant visit and training session at MCKVIE A-Block rooftop, which houses a grid-tied 5kWp RTGS solar power system. This practical experience allowed students to witness the functionality of solar panels installed within their own institute premises. The hands-on session was facilitated by teachers who explained the intricacies of the system, offering students a valuable real-world perspective. The on-site training aimed to bridge the gap between theoretical knowledge and practical application, enhancing the students' comprehension and skills in the field of solar energy.



The workshop proved to be highly satisfactory, with active participation from all attending students. The interactive nature of the sessions and the practical exposure during the plant visit contributed to an engaging learning experience. Students gained fundamental knowledge about grid-tied solar-powered systems, their applications, equipping them with insights into the energy solutions that will shape the future. The event not only broadened the students' understanding of solar energy but also instilled a sense of responsibility towards a sustainable greener tomorrow.

(Mr. Soumyajit Ghorai)
Convener

(Dr. Dipankar Ghosh)
Event Coordinator & HOD, Basic Science

Report on DATAQUEST 2K24, organized by CSE (DS) on 16/02/2024

*It is our immense pleasure to announce that the Department of Computer Science and Engineering (Data Science) successfully organized **DATAQUEST 2K24** which was held on 16th February, 2024 from 10:00 am onwards. Following the rich tradition of our Institute, the inauguration commenced with Ganesh Vandana and lamp lighting by the dignitaries, namely Mr. Abhay Kejriwal, Trustee, MCKV Group, Prof. (Dr.) Partha Sarathi Chakraborty, CEO, MCKV Group, Mr. Avijit Bose, HOD-CSE, Dr. Soma Bandyopadhyay, Acting HOD-CSE and Prof. (Dr.) S. S. Thakur, Former HoD-CSE and Teacher-in-Charge, CSE(DS).*



Inauguration Ceremony at B – 312 (B block)



*This ritual is followed by the addresses of dignitaries to the audience. The inauguration program concluded with the vote of thanks given by Mr. Shukla Mondal, Teacher Coordinator of **DATAQUEST- 2K24**. The inauguration program was hosted in an elegant way by the student anchors.*



Dignitaries addressing the audience at B – 312 (B block)

*It was a three round competition, the first round of which was the pen and paper round, the second round was held on online coding platform (**Hacker Rank**) and the options provided for Coding includes both C and Python, and the participants may opt for one coding programming language based on their proficiency, and the third round was the Data Analytics round, where datasets was provided, and by using Python as a programing language the questions mainly oriented towards the applications of data science needs to be answered by the participants.*



Student Committee members at Inauguration Ceremony

A student committee was formed with 17 members from both CSE and CSE (DS). They were amazingly enthusiast to commemorate the event. Student organizer committee members were very cooperative and tried their best to coordinate the event and to maintain the discipline.



A total of 161 student teams registered for the event, out of which 149 teams actually paid the registration fees. Among 149 registered teams, 133 teams participated in the first round, and after the first-round screening 25 teams moved to second round, and finally 10 teams were screened for the third round which was the final round. Winning teams of the third round received exclusive prizes and certificates of appreciation.

Winners of DATAQUEST-2K24:

Rank 1: Team United Arab [Arijit Kumar Roy (CSE) and Abhisumat Kundu (CSE)]

Rank2: Team Gekko [Swastik Ghosh (CSE-DS) and Argha Biswas (CSE-DS)]

Rank3: Team FrostByte [Megha Bhattacharjee (CSE) and Arfa Ahmed Ansari (IT)]



Winners of DATAQUEST-2K24

Every participant received chocolates and a participation certificates, while those who qualified in the first round and the student organizers were treated to delightful food packets. They returned home with the pleasant fragrance of the program. Members of the student organizing committee as well as Teachers organizing committee were also awarded certificates as a token of appreciation for their dedication and diligent efforts.



Students and Teachers at Valedictory Function



All the teacher committee members of the department put their effort whole heartedly to make the event a successful one. The contributions of the teacher committee members in preparing online coding platform for competition, preparing labs, preparing question papers, checking copies, guiding students in preparing certificates, banner, poster etc. are commendable.

Prof. (Dr.) S. S. Thakur, Teacher-in-Charge, CSE(DS) took the initiative to organize the program i.e. DATAQUEST-2K24 along with Mr. Shukla Mondal and Mr. Arkadeep Goswami were the coordinator and co-coordinator of the event. The entire day of the event will remain in our memories, and we will try to organize similar type of event again in near future.



(Mr. Shukla Mondal)
Coordinator, DATAQUEST-2K24



(Mr. Arkadeep Goswami)
Co-coordinator, DATAQUEST-2K24



(Dr. S. S. Thakur)
TI – CSE(DS)



(Mr. Avijit Bose)
HOD - CSE

Event Report of Expert talk on Process of Innovation Development, Technology Readiness Level (TRL), Commercialization of Lab Technologies & Tech-Transfer

An Expert talk has been organized on 19th February, 2024 about the Process of Innovation Development, Technology Readiness Level (TRL) and Commercialization of Lab Technologies & Tech-Transfer at SIT Hall of MCKVIE. The event started at 1PM with formal inauguration of the renowned Speaker Dr.(Prof.) Debabrata Datta by our IIC Student Member, Ms. Madhuparna Das.

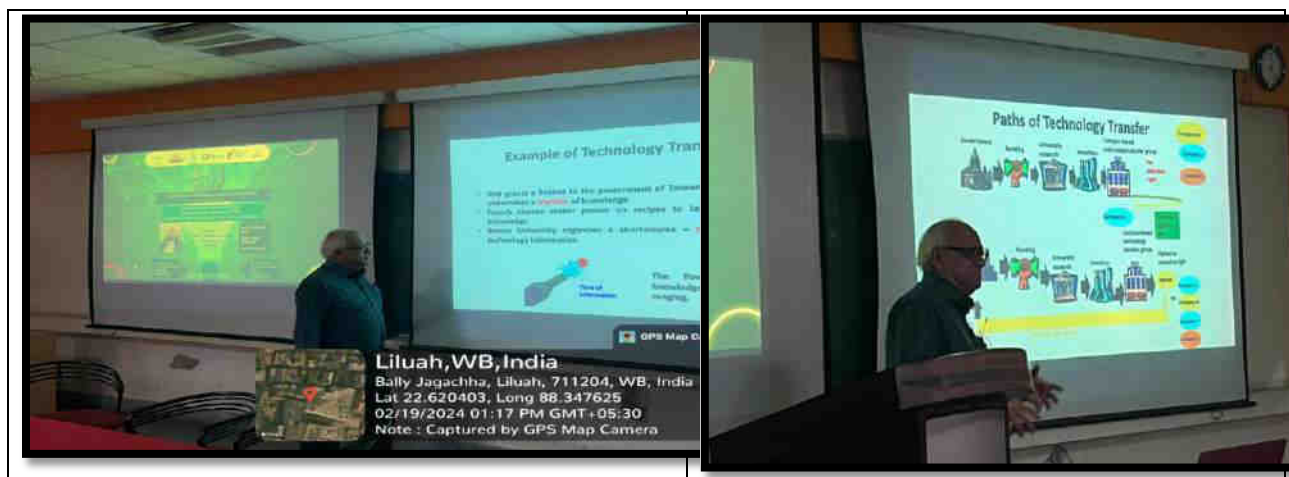
Dr. Datta has resonated his valuable speech in order to share the significance of Technology Transfer alongwith some remarkable achievements in various domains such as Tech-transfer cycle using the nuclear power waste. Besides, some of the examples belong to the agro-products and the use of the bi-products in another business domain.

The focusing issue of Dr. Datta's speech was to motivate the students and the faculty members present at the Auditorium towards the innovation centric on human need. The deliverables ultimately inspired the students to search for the areas where they may think for new product design.

The lecture concluded with 181 students and 8 number of faculty members' enthusiastic appreciation.

Some Glimpses of the Event:





EVENT BANNER



Name of Event Coordinator: Dr. Rajarshi Sanyal

Name of Event Co-Coordinator: Mr. Partha Pratim Saha

Session on “Achieving Problem-Solution Fit & Product-Market Fit”

About the session:

Institution Innovation Council (IIC) of MCKV Institute of Engineering organized a session on “Achieving Problem-Solution Fit & Product-Market Fit” on 20th February, 2024 at 3:30 pm. The speaker Mrs. Jayanti Mahata, Assistant professor, Department of Information Technology, MCKV Institute of Engineering has discussed how to create a problem solution fit by a good design concept and also mentioned make a product market fit by understanding the market need by analysing the feedback from the target group of people.

Objectives of the session: Problem-Solution Fit is about testing of ideas and validating them on the other hand Product-Market Fit is about market research and validation. The main objective of this session is to familiar the students how to become a successful entrepreneur by achieving problem solution fit and product-market fit. Because the key point to become a successful entrepreneur to be sure that customers will buy the product.

Benefit in terms of Learning/ Skill/ Knowledge obtained: Achieving problem-solution fit and product-market fit is the main goal to a successful business. Problem solution fit gives the appropriate solution for an idea so that when the solution becomes a product, the people are willing to pay for it. Product-market fit, means being in a good market with a product that can satisfy that market. After attending the session the participants gained knowledge about achieving problem-solution fit and product market fit.

Number of Participants:

Faculty Members: 3

Students: 57

Event Coordinator: Ms. Moumita Goswami, Assistant Professor, Department of Computer Science and Engineering, MCKVIE

Event Photographs:





Social Media Links:

Facebook:

- **Facebook link:**
<https://www.facebook.com/photo/?fbid=411982284688770&set=a.169731898913811>
- **Instagram link:**
<https://www.instagram.com/p/C3hZKEwym-E/?igsh=MWVtcGFjYmN4bWlwbw==>

Overall report of the activity: Overall report of the activity: Three Days Lecture Series On Recent Trends in Photonics, Microelectronics and Communication 2024 [RTPMC – 24]

Date: 20/02/2024 – 22/02/2024

Department of Electronics and Communication, MCKVIE collaboration with Institution's Innovation Council, MCKVIE organized a three days lecture series on “Recent Trends in Photonics, Microelectronics and Communication ” in the duration 20th February- 22nd February, 2024. This is an offline event and a total 77 number of students attended this event.

The event was held on an offline mode. Lecture Series enlightens in various domains of Electronics & Communication Engineering and allied fields were accepted for the event. Three days Lecture Series was delivered by three eminent speakers.

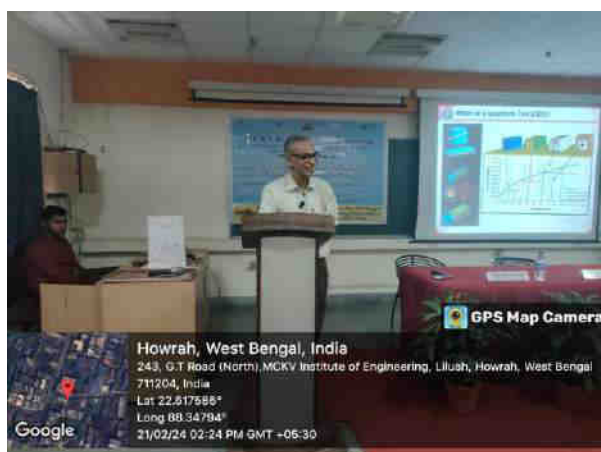
At the day 1 Prof. (Dr.) Partha Roy Chaudhuri, Professor, Physics Department, IIT Kharagpur delivered his lecture in the area of recent trends of Photonics. He has started from the basics of photonics and covered the recent innovation in this field. His lecture motivates the students for different ideas generation and doing projects towards innovation

At the day 2 of the event Prof. (Dr.) Santan Chattopadhyay, Professor Electronic Science Department, Calcutta University delivered his lecture in the area of recent trends in Microelectronics. He discussed regarding the new fabrication process and its importance in semiconductor technology. His lecture encourages the students in the area of Microelectronics and the fabrication process for their new idea generation.

At the day 3 of the event Prof. (Dr.) Monojit Mitra, Professor, ECE Department, IEST Shibpur delivered his valuable lecture in the area of Satellite Communication. He discussed about the different technologies applied for Satellite Communication. He also discussed about the recent innovation and applications of Satellite Communication. His lecture encourages the student to carry out their research and project work.

Overall the session was very exhaustive, and students got awareness about diverse opportunities available in the different areas of Electronics Engineering. In a nutshell, through this lecture series, students were exposed to and were encouraged to generate and execute their own ideas to improve innovation skill, and research and project skill development in the different areas of Electronics.

The organizing committee is thankful to IIC for their active support and cooperation and hopes to receive such help in years to come.



Overall report of the activity: Innovation & Entrepreneurship Outreach Programme

Date: 21/02/2024

Institution's Innovation Council (IIC) of MCKVIE organized an outreach session “Innovation & Entrepreneurship” on 21st February (Wednesday), 2024. This is an offline event and a total of 75 number of students of Raghunathpur Nafar Academy (HS), Howrah attended this event.

Dr. Joydeep Banerjee, Assistant Professor of ECE Department & Convener IIC-MCKVIE and Mr. Ajoy Ghosal, Laboratory Instructor of ECE Department & member of IIC-MCKVIE conducted this outreach programme as joint speakers.

Dr. Banerjee delivered different aspects of the identification of the right problem and problem-solving approach to the school students. He focused on different techniques of ideation regarding innovation. He has enlightened idea generation, converting ideas into prototypes, and entrepreneurship development. He has also discussed the importance of techniques of innovation and idea generation. He focused on the importance of identification of problems and taking the right approach to innovation.

Then, Mr. Ghosal started the discussion about different aspects of Entrepreneurship. He enlightened the students about the importance of entrepreneurship and start-up. He focused on several topics like entrepreneurs’ skill development, and awareness generation of the qualities of successful entrepreneur. He has also discussed the different functions of an entrepreneur, the role of entrepreneur in our economy and society, challenges of entrepreneur. He has also discussed different areas of entrepreneurship. His session encouraged students about the opportunities of entrepreneurship. He also discussed regarding the activities of MCKVIE regarding entrepreneurship.

The session was very exhaustive, and students got awareness about diverse opportunities available in this field. In a nutshell, through this session, students were exposed and were encouraged to generate and execute their own ideas to improve innovation skill, prototype development and entrepreneurship skill development.







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Report on “Paving Way to Innovation” on 26th -28th February, 2024

The workshop, “Paving Way to Innovation”, organized by the Basic Science Department from 26th to 28th February 2024, emerged as a remarkable success in fostering innovation among first-year students. Mandatory for all newcomers, the workshop consisted of five sessions, each featuring an introductory speech by distinguished individuals, including Prof. Abhijit Lahiri, the Principal, Prof. A.K. Jalan, the Dean of Students Affairs, Prof. Debabrata Dutta, the Director of Research & Development, and Dr. Dipankar Ghosh, the HOD of Basic Science. These speeches set the tone for the event, creating a sense of enthusiasm and anticipation among the attendees.



Keynote speakers, including Prof. Debapriya De, Dr. Abhijit Pramanik, Dr. Tanmoy Roy Choudhury and Dr. Dipankar Ghosh, conveyed the meaning of innovation and pathways to develop an innovative mindset through simplified discussions and relatable examples, making the concept of innovation accessible to a diverse audience. Students appreciated the speakers' effective yet straightforward approach, highlighting the role of changing societal needs as a catalyst for innovation. The importance of continuous upgrading in the dynamic field of innovation was underscored and practical examples demonstrated how innovation can address real-world problems.



The overarching theme of the workshop centred around the idea that innovation is the heartbeat of engineering, propelling aspiring engineers into uncharted territories. In the fast-paced world where technology is evolving at an unprecedented rate, innovation is not a luxury anymore but a necessity. Engineering students, as architects of the future, were reminded of their responsibility to innovate and shape a better tomorrow.

The workshop delved into the multifaceted nature of innovation, stressing that it is the intersection of creativity and practicality. It was made clear that innovation extends beyond groundbreaking inventions, encompassing incremental improvements or refinements that collectively drive progress forward. The workshop offered a comprehensive overview of practical innovative solutions, discussing the evolution of products like sofa cum beds in response to changing housing trends. It highlighted need-based innovations, such as air purifiers with filters addressing air pollution and solar mosquito destroyers tackling mosquito-related issues.



The exploration of innovation extended to the e-commerce sector, with examples from companies like Amazon and Flipkart illustrating how they met human needs during the pandemic through home-delivery services. Intangible innovations, such as converting motivational speeches and soft skills training into marketable products for stress reduction and improved well-being, were also discussed. Transportation innovations, exemplified by services like Ola and Uber, were explored, along with the adaptive evolution of Coca-Cola to meet changing customer demands. Throughout the workshop, the distinction between innovation and invention was emphasized, clarifying that innovation is largely driven by actual needs, while invention focuses on creating something entirely new. This distinction provided valuable insights into the nuances of innovation, helping students better understand the processes involved.

Interactive sessions like hands-on activities, brainstorming sessions, group discussions and idea generation exercises engaged participants, encouraging exploration of their innovative ideas and providing practical experiences related to innovation. These sessions conveyed the message that the process of innovation starts with curiosity and innovation often comes from asking the right questions. The collaborative aspect of innovation was highlighted through group works, where students experienced the synergy of working together to generate innovative ideas. The importance of teamwork and diverse perspectives in fostering innovation was effectively communicated.



The workshop concluded with a vote of thanks from the event Coordinator, Mr. Milan Chakraborty, emphasizing that innovation involves generating new ideas or enhancing existing ones. Participants were encouraged to observe their surroundings, identify problems and seek creative solutions.

In summary, the “Paving Way to Innovation” workshop served as a catalyst for inspiring creativity and innovation among participants, delivering valuable insights into the diverse facets of innovative thinking. The next phase, “Nurturing Innovation”, will focus on continuous monitoring and providing ongoing support to further develop students’ innovative thinking skills and enable them to effectively present their innovative ideas.

(Mr. Milan Chakraborty)
Event Coordinator

(Dr. Dipankar Ghosh)
HOD, Basic Science



Report on Three Day Lecture Series
on
Advance Computing with Innovation:
Powering the Future

Organized by:- DEPARTMENT OF INFORMATION TECHNOLOGY, MCKV INSTITUTE OF ENGINEERING.

DATE:- 27-29 FEBRUARY, 2024.

Time:- 10:00am - 4:00pm.

Venue:- SIT Hall, MCKV Institute of Engineering.





Day 1

Topic : Information Security.

Speaker : Prof(Dr.) Sharmistha Neogi, JU, Kolkata.

Speaker Profile: Dr. Sarmistha Neogy, a Professor at Jadavpur University, Kolkata, specializes in Fault Tolerance in Distributed Systems, Wireless Sensor Networks, and Healthcare Data Analytics. She contributes to IEEE and ISO/IEC JTC1 standardization efforts.

Lecture Takeaways: Dr. Sarmistha Neogy's lecture at our college elucidated key concepts in information security, including ISO 27001:2005 standards and their roles in ensuring confidentiality, integrity, and availability. She outlined the importance of standards like ISO 27002, ISO 27004, and ISO 27005 in addressing risk management, threats, and vulnerability. Additionally, she discussed security controls, access control models like DAC and MAC, and quantitative risk assessment methods. Furthermore, her presentation delved into privacy concerns and the significance of security metrics for measurement and evaluation, providing a comprehensive understanding of these critical areas.





Day 2

Topic : Career in Tech- A Holistic Guide.

Speaker : Mr. Kaushik Halder, WEBEL.

Speaker Profile: Kausik Halder, a National Cyber Security Scholar and certified Cyber Security Governance professional, leads the Cyber Security Centre of Excellence for the Government of West Bengal via WEBEL, with 22 years of experience driving digital transformation in government services.

Lecture Takeaways: During the interactive session, the guest speaker emphasized emerging technologies like AI, cloud computing, and GPU computing, highlighting the government's focus on establishing centers of excellence. Core skills necessary for entry into these fields were discussed, alongside opportunities for internships and project work, including guidance on creating impactful final year projects. The session also addressed real-world challenges, such as the mango wastage problem, underscoring the relevance of machine learning in tackling such issues.





Day 3

Topic : Cryptography.

**Speaker : Padmashree Dr. Bimal Roy, Ex- Director,
ISI Kolkata.**

Speaker Profile: Prof. Roy is a Padmasree Awardee of 2015 and a professor at Indian Statistical Institute, Kolkata. He was the chairman of National Statistical Commission, India, and the former Director of Indian Statistical Institute, Kolkata. He is also the founder and the general secretary of Cryptology Research Society of India, since its inception in 2001.

Lecture Takeaways: Padmashree Dr. Bimal Roy delivered a lecture at our college focusing on algorithms and their complexities, emphasizing the significance of prime numbers in various applications. He elucidated the AKS method for prime number determination and discussed its real-world applications, including the BCH and RSA algorithms. The BCH algorithm is used in error-correcting codes, while the RSA algorithm forms the backbone of secure communication systems, relying on the difficulty of prime factorization for encryption and decryption.



MCKV Institute of Engineering

Report on National Science Day

National Science Day was observed on 28th February, 2024 at MCKVIE was a resounding success, blending knowledge, inspiration, and celebration. The event garnered an impressive total attendance of 137 participants, demonstrating a widespread interest in scientific exploration. Mr. Mojammel Rahaman, Assistant Professor of Department of Basic Science at MCKVIE, delivered an inspiring talk on Raman Spectroscopy. The seminar celebrated the legacy of the first internationally recognized INDIAN Scientist, contributing to the essence of National Science Day. The quiz, featuring multiple-choice questions, delved into the insights shared during the seminar, challenging participants to apply their newfound knowledge. Seminar insights by Mr. Mojammel Rahaman provided a diverse range of subjects, enhancing the educational experience for participants. 12 participants emerged victorious, showcasing their intellect and passion for science.





Overall report of the activity

Program/Activity Name: A Bootcamp session on “Lean Start-Up & Minimum Viable Business” and Programme tag line name “Baniya Buddhi- The Wisdom of Making Profits”

Date: 29th February, 2024

Institution's Innovation Council (IIC) of MCKVIE in collaboration with the The Start-Up club, MCKVIE organized a Bootcamp session on “Lean Start-Up & Minimum Viable Business” and Programme tag line name “Baniya Buddhi- The Wisdom of Making Profits” **on 29th February, 2024**. This is an off-line event and approximately 70 participants attended on this event.

The program starts from 9 AM and continues till 7 PM. In this program there are total 14 teams and, in each team, there are at least 2 to 4 members. To conduct program in an organized way there are total 11 organizers and 10 volunteers. Categorized this program under three categories- i) Most Profitable Idea ii) Most Marketing and Networking Team iii) Most Feasible Idea. The team put has put a stall for setting up their business and sell their product with stipulated time from 11 AM-3 PM. After that they prepared a report of their sales on basis of which the judges evaluate the results and declared the winner's name. The members present in this event are the Founder of The Startup Club by MCKVIE (Md. Aman Ansari, Founder and CEO, Atomos Technologies (OPC) Pvt. Ltd. and Founder and CEO, Cifer) , Ex- Presidents of TSC and Ex-Vice President of the club. From this program participants will get the chance to improve their business acumen, problem-solving techniques, and teamwork abilities through this event.

Gallery





Intra College Technological Project Competition Technotica 2023-24

Date: 29th February, 2024

Technotica 2023-24 is an Intra College Technical Competition jointly organized by MCKV Institute of Engineering and IET Kolkata Local Network every year. Students from MCKV Institute of Engineering are eligible to participate in the competition in a group of maximum three students per team. All the prototypes have demonstrated innovative use of Electronic hardware design, Computer software, internet network and communication, innovative graphics, simulation, virtual reality, Internet of Things (IOT), Artificial Intelligence & Machine Learning. It was organized in two phases: an initial screening round and a final project demonstration round. Final of Technotica 2023-24 was held on 29th February, 2024.

Initial call for projects were published on 19th September, 2023. After initial screening round, 15 teams (41 students) selected in the final round of competition. Students worked hard in implementation and demonstration of their innovative projects. Participants presented their work in front of external judge and other students/faculties of the institute. Dr. Dhritinandan Kole, Research & Development Executive, Eltron Wireless, Kolkata, Mr. Sankar Nath Mukhopadhyay, Immediate Past Chair, IET (UK) Kolkata Local Network, Ms. Priyasha Chakroborty, CESC Ltd. Was the resource persons in this event. Projects were evaluated on the basis of innovation, originality, practicability, understanding and presentation of work. Standings were decided by the external judge considering above mentioned criteria.

Following teams were awarded:

1. First prize:

Project name: 360° Security.

Team Members: Anubhab Mukherjee, Neha Dolui

2. Second prize:

Project name: Fish Species Detection and its habitat study in different water bodies using Object identification.

Team Members: Dibasmik Pal, Priti Sen, Sudipta Dutta

3. Third prize:

Project name: IOT Based Smart Parking System

Team Members: Subhodeep Neogi, Supratim De, Avishikta Banerjee,

4. Four prize:

Project name: Aurora Care

Team Members: Soumyajit Chatterjee, Sourav Yadav, Sumer Azam

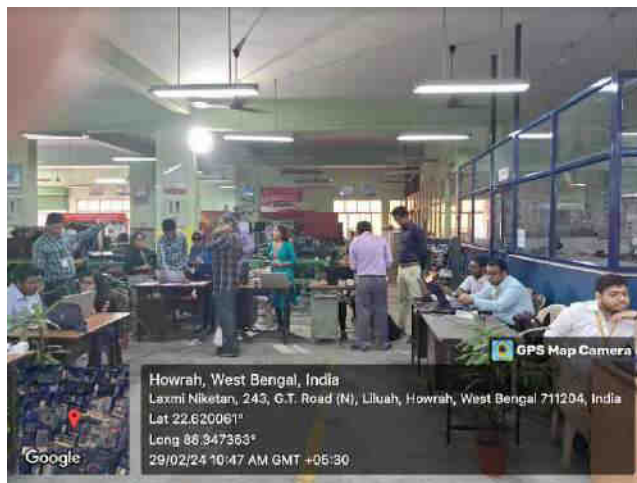
5. Fifth prize:

Project name: Determining Personality Traits Through Graphology By using Machine Learning

Team Members: Shreyan Pal Chowdhury, Sayantan Karmakar, Ankita Sinha Ray

All the participants of the competition learned about various technologies that are presently used. They also learned about various interdisciplinary topics, cost management of projects, importance of completion of the projects in time, showcase their work, and also technical documentation. The visiting students gained knowledge about different projects and also were encouraged to take part in future.







Report of PRAGATI 2024: Annual Technical Fest of MCKVIE

Event Name: Innovative Model Competition

Date: 6th March, 2024

Number of Models Presented: 15

Total Participants: 50

Introduction

The Innovative Model Competition, held on 6th March, was a showcase of creativity, research, and innovation. With 50 participants presenting 15 unique models, the event aimed to highlight the participants' ability to develop original ideas and translate them into tangible, functional models. The competition emphasized the role of research and innovation in problem-solving and design, encouraging participants to explore new concepts and technologies.

Event Structure

The competition was structured to allow participants to present their models and explain the research and innovation behind their creations. Each model was evaluated on several criteria, including originality, practical application, and the use of research and innovative techniques.

1. Presentation and Demonstration

Each team or individual participant had the opportunity to present their model to a panel of judges and an audience. Presentations included an explanation of the concept, the research that informed the design, and how innovative approaches were applied in the model's development.

The models ranged across various fields, including engineering, technology, environmental science, and more. Participants were encouraged to showcase how their research led to innovative solutions, addressing real-world challenges or improving existing processes.

2. Judging Criteria

Research: Participants were assessed on the depth and quality of research that informed their model. This included the use of scientific methods, literature review, and exploration of existing technologies to support their design.

Innovation: Innovation was a key criterion, with judges looking for models that introduced new ideas, utilized cutting-edge technology, or applied traditional methods in novel ways. The ability to think creatively and push the boundaries of conventional design was highly valued.



Practical Application: The practical application of the model was also considered, with participants required to demonstrate how their design could be implemented in real-world scenarios. Models that offered viable solutions to current problems or potential for future development were given special recognition.

3. **Interaction and Feedback**

After each presentation, participants engaged in a Q&A session with the judges and audience. This allowed for a deeper exploration of the ideas presented and provided participants with valuable feedback on their models.

The interaction also encouraged participants to think critically about their work, consider alternative perspectives, and refine their models based on constructive input.

Emphasis on Research and Innovation

The Innovative Model Competition placed a strong emphasis on the role of research and innovation in the development of the models:

Research-Driven Design: Participants were required to base their models on thorough research, ensuring that their designs were grounded in sound principles and relevant data. This research provided the foundation for innovative thinking, allowing participants to explore new possibilities and challenge existing norms.

Innovation in Application: The competition encouraged participants to go beyond traditional approaches, experimenting with new materials, technologies, and methodologies. The innovative use of resources and creative problem-solving were key factors in determining the success of each model.

Conclusion

The Innovative Model Competition on 6th March was a highly successful event that showcased the talents and creativity of 50 participants through 15 innovative models. The competition provided a platform for participants to demonstrate their ability to conduct in-depth research and apply innovative thinking to real-world challenges.

Participants exhibited a strong commitment to pushing the boundaries of conventional design, with many models reflecting cutting-edge ideas and practical applications. The event highlighted the importance of research and innovation in driving progress and solving complex problems, inspiring participants to continue exploring new horizons in their respective fields. The Innovative Model Competition not only celebrated creativity and ingenuity but also underscored the critical role of research and innovation in shaping the future.



Event Name: Innovative Idea Contest

Date: 7th March, 2024

Number of Ideas Presented: 25

Total Participants: 100

Introduction

The Innovative Idea Contest, held on 7th March, was a dynamic and thought-provoking event designed to encourage creativity and forward-thinking among participants. With 100 participants presenting 25 innovative ideas, the event served as a platform for showcasing groundbreaking concepts that have the potential to drive change and solve real-world problems. The contest highlighted the importance of research and innovation in developing impactful ideas that can lead to meaningful advancements in various fields.

Event Structure

The contest was structured to allow participants to present their ideas, with a focus on originality, feasibility, and the integration of research and innovative thinking.

1. Idea Presentation:

- Each participant or team of participants presented their idea to a panel of judges, along with an audience of peers and mentors. The presentations included a detailed explanation of the concept, its intended impact, and the research supporting its viability.
- The ideas covered a wide range of topics, including technology, sustainability, healthcare, education, and social innovation. Each presentation was evaluated based on the originality of the idea, the depth of research involved, and the potential for real-world application.
- Participants were encouraged to think creatively and present solutions that addressed current challenges or anticipated future needs.

2. Judging Criteria:

- The judging panel, consisting of experts from various fields, evaluated the ideas based on several criteria:
 - **Innovation:** The originality and uniqueness of the idea.
 - **Research:** The extent of research conducted to support the idea, including market analysis, technical feasibility, and potential impact.
 - **Practicality:** The feasibility of implementing the idea and its potential for scalability.
 - **Presentation:** The clarity and effectiveness of the presentation, including how well the idea was communicated and how the research was integrated into the pitch.
- After the presentations, judges provided feedback and asked questions to further understand the concepts and the participants' thought processes.

3. Feedback and Discussion:

- Following the presentations, a discussion session was held where judges, mentors, and participants engaged in a dialogue about the ideas presented. This



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session provided an opportunity for participants to receive constructive feedback, explore potential improvements, and discuss possible collaborations.

- The emphasis was on fostering a culture of continuous learning, encouraging participants to refine their ideas and consider new perspectives.

Emphasis on Research and Innovation

The Innovative Idea Contest underscored the critical role of research and innovation in developing impactful solutions:

- **Research-Driven Concepts:** Participants were required to conduct thorough research to validate their ideas. This included exploring existing solutions, understanding the target audience or market, and analyzing potential challenges and opportunities. The research component ensured that ideas were not only creative but also grounded in reality, with a clear path to implementation.
- **Innovation in Problem-Solving:** The contest encouraged participants to think outside the box and propose solutions that were novel and transformative. Innovation was a key criterion, with the judges looking for ideas that could potentially disrupt existing paradigms or offer new ways of addressing persistent issues.

Conclusion

The Innovative Idea Contest on 7th March was a resounding success, providing a platform for 100 participants to present 25 groundbreaking ideas. The event celebrated creativity, research, and innovation, showcasing how these elements can come together to produce solutions with the potential to make a significant impact.

Participants demonstrated not only their ability to think creatively but also their commitment to rigorous research and practical application. The event fostered an environment of intellectual curiosity and collaboration, inspiring participants to continue developing their ideas and pursue innovation-driven paths. The Innovative Idea Contest highlighted the importance of research and innovation in addressing the challenges of today and tomorrow, reinforcing the value of forward-thinking in driving progress across various fields.



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Event Name: Technical Poster Presentation Competition

Date: 8th March, 2024

Number of Posters Presented: 11

Total Participants: 24

Introduction

The Technical Poster Presentation Competition, held on 8th March, 2024, was an engaging event that provided a platform for participants to showcase their research and innovative ideas through visual and verbal presentations. With 24 participants presenting 11 posters, the event highlighted the importance of combining research and innovation in communicating complex technical concepts effectively. The competition served as a venue for participants to share their insights and contribute to the broader discourse within their fields of study.

Event Structure

The competition was structured to allow participants to present their posters, with an emphasis on the clarity, depth of research, and innovative aspects of their work.

1. Poster Presentations:

- Each participant or team of participants prepared and presented a technical poster that illustrated their research findings, methodologies, and innovative approaches. The posters covered a wide range of topics, including engineering, technology, environmental science, healthcare, and more.
- Participants were required to explain their research, discuss the significance of their findings, and highlight the innovative aspects of their work. This included discussing the implications of their research for future developments and potential applications in the real world.
- The presentation session involved direct interaction between the presenters and the judges, as well as with other participants and audience members. This format encouraged in-depth discussions and allowed participants to elaborate on the finer points of their work.

2. Judging Criteria:

- The posters were evaluated by a panel of judges who assessed them based on several criteria:
 - **Research Quality:** The thoroughness of the research, including the methodology, data analysis, and the robustness of the findings.
 - **Innovation:** The originality and novelty of the ideas presented, and how the research contributes to new knowledge or solutions within the field.
 - **Clarity and Design:** The effectiveness of the poster's design in conveying complex information clearly and concisely. This included the visual appeal, organization, and readability of the poster.
 - **Presentation Skills:** The ability of the participants to communicate their research and ideas effectively, answer questions, and engage with the audience.



- Judges provided feedback on both the content and presentation of the posters, offering suggestions for further improvement and potential avenues for future research.

3. **Feedback and Interaction:**

- After the presentations, a discussion session was held where participants received detailed feedback from the judges. This session also included a Q&A with the audience, allowing for a broader exchange of ideas and fostering a collaborative atmosphere.
- The interaction between participants and judges emphasized the importance of continuous learning, encouraging participants to refine their research and explore new innovative angles in their work.

Emphasis on Research and Innovation

The Technical Poster Presentation Competition placed a strong emphasis on the integration of research and innovation:

- **Research-Driven Content:** Participants were expected to base their posters on rigorous research, demonstrating a clear understanding of their chosen topic. The event highlighted the importance of conducting thorough and methodologically sound research to support innovative ideas. Participants needed to show that their findings were well-supported by data and that they had considered existing literature and technologies in their work.
- **Innovation in Presentation:** Innovation was a key focus of the competition, both in the research itself and in how it was presented. Participants were encouraged to present their findings in creative ways, using visual elements and clear explanations to make complex ideas accessible and engaging. This approach ensured that the posters were not only informative but also visually compelling and easy to understand.

Conclusion

The Technical Poster Presentation Competition on 8th March, 2024, was a successful event that provided a valuable opportunity for 24 participants to present 11 well-researched and innovative posters. The competition underscored the importance of combining rigorous research with innovative thinking to effectively communicate technical concepts.

Participants demonstrated a strong commitment to their research, presenting ideas that were both original and impactful. The event fostered a culture of intellectual exchange and encouraged participants to continue exploring new ideas and methodologies. By emphasizing the role of research and innovation, the Technical Poster Presentation Competition highlighted the critical importance of these elements in advancing knowledge and solving complex problems in various fields.



Event Name: Math Mania

Date: 6th March, 2024

Total Participants: 245

Number of Rounds: 2

Introduction

Math Mania, held on 6th March, was an exciting and intellectually stimulating event designed to challenge participants' mathematical abilities and encourage innovative thinking. The event attracted a total of 245 participants, demonstrating widespread interest and enthusiasm for mathematics among students.

Event Structure

The event was structured into two competitive rounds:

1. Round 1: Preliminary Round

- This round was designed to test the participants' fundamental understanding of various mathematical concepts.
- Participants were presented with a set of problems requiring quick thinking and accurate calculations.
- The round was crucial in filtering out the top performers who would proceed to the final round.

2. Round 2: Final Round

- The final round was more challenging, focusing on advanced mathematical problems that required not just knowledge but also innovative problem-solving approaches.
- Participants were encouraged to think beyond conventional methods, fostering a spirit of research and innovation.

Emphasis on Research and Innovation

Math Mania went beyond traditional problem-solving by incorporating elements of research and innovation:

- **Research-Oriented Approach:** Participants were encouraged to explore new methods and strategies to solve problems, reflecting the importance of research in mathematics. This approach aimed to enhance their analytical skills and broaden their understanding of mathematical concepts.
- **Innovation in Problem-Solving:** The event emphasized the need for creative thinking in mathematics. Participants were rewarded for innovative solutions, even if they



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deviated from standard procedures. This focus on innovation highlighted the importance of original thinking in advancing mathematical research and applications.

Conclusion

Math Mania was a successful event that not only tested the mathematical skills of the participants but also fostered a culture of research and innovation. With 200 participants and two rounds of intense competition, the event achieved its goal of promoting advanced mathematical thinking and encouraging students to approach problems with creativity and originality.

This event served as a platform for young minds to showcase their mathematical prowess and inspired them to continue exploring the fascinating world of mathematics with a research-driven and innovative mindset.



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Event Name: Robotics Competition

Dates: 6th, 7th, and 8th March, 2024

Total Participants: 13 (Robo FIFA), 27 (Robo War), 7 (Chase the Maze), 35 (Line Follower)

Number of Rounds: 2

Event Segments: Robo FIFA, Robo War, Chase the Maze, Line Follower

Introduction

The Robotics Competition held on the 6th, 7th, and 8th of March was an exhilarating event that showcased cutting-edge robotic designs and innovative solutions in various competitive scenarios. The event consisted of four main segments: Robo FIFA, Robo War, Chase the Maze, and Line Follower, with a total of 82 participants competing over two rounds. This competition not only tested the technical skills of the participants but also emphasized the importance of research and innovation in robotics.

Event Structure

The competition was organized into two rounds, with each round designed to progressively challenge the participants' robotic designs and strategies.

1. Round 1: Preliminary Round

- The preliminary round served as the initial filtering stage, where participants demonstrated the basic capabilities of their robots across the four event segments.
- This round focused on testing the fundamental design, programming, and control mechanisms of the robots.
- The top performers from each segment were selected to advance to the final round.

2. Round 2: Final Round

- The final round was more demanding, requiring participants to push the boundaries of their robotic designs.
- Participants had to demonstrate advanced capabilities, such as agility, precision, and adaptability, in each event segment.
- The round emphasized innovative problem-solving and the application of research-driven strategies to outperform competitors.

Event Segments

1. Robo FIFA



- This segment involved robots playing a simulated game of soccer, where participants had to program their robots to effectively navigate the field, control the ball, and score goals.
- The segment encouraged innovative approaches to robotic movement, strategy formulation, and real-time decision-making.

2. Robo War

- Robo War tested the durability and combat capabilities of the robots. Participants had to design robots capable of withstanding attacks while strategically defeating their opponents.
- The segment highlighted the importance of robust design and innovative combat strategies, rooted in research on materials, mechanics, and control systems.

3. Chase the Maze

- In this segment, robots were required to navigate through a complex maze in the shortest time possible. Participants needed to design algorithms that allowed their robots to efficiently solve the maze using sensors and adaptive programming.
- This segment emphasized the role of research in developing efficient algorithms and the innovative use of sensors and pathfinding techniques.

4. Line Follower

- The Line Follower segment involved programming robots to follow a pre-defined path marked by a line on the ground. The challenge was to design robots that could accurately and quickly follow the line, even with obstacles or complex turns.
- Innovation in sensor integration and real-time processing was key to excelling in this segment.

Emphasis on Research and Innovation

The Robotics Competition was a testament to the vital role of research and innovation in the field of robotics:

- **Research-Oriented Design:** Participants were encouraged to base their robot designs on thorough research, including the study of materials, sensors, and algorithms. This research-oriented approach ensured that the robots were not only functional but also optimized for performance in their respective segments.
- **Innovative Solutions:** The competition placed a strong emphasis on innovation, challenging participants to think creatively and develop unique solutions to the problems posed in each segment. Whether it was designing a robot with advanced



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243, G. T. ROAD (NORTH), LILUAH, HOWRAH – 711204



combat capabilities for Robo War or developing a new pathfinding algorithm for Chase the Maze, innovation was at the forefront of the competition.

Conclusion

The Robotics Competition held on the 6th, 7th, and 8th of March was a resounding success, providing a platform for participants to demonstrate their technical prowess and innovative thinking. With 60 participants competing across four challenging segments, the event highlighted the importance of research and innovation in advancing the field of robotics.

Through intense competition and creative problem-solving, participants were able to push the boundaries of what is possible in robotics, paving the way for future advancements in the field. This event not only tested their current abilities but also inspired them to continue exploring new frontiers in robotics research and innovation.



Event Name: Circuit Design Competition

Date: 6th March, 2024

Total Participants: 30

Number of Rounds: 2

Introduction

The Circuit Design Competition, held on 6th March, was an engaging event aimed at testing the participants' ability to design and implement electronic circuits. With 20 participants and two rounds of intense competition, the event emphasized the importance of research and innovation in creating effective and efficient circuit designs.

Event Structure

The competition was divided into two rounds, each designed to evaluate different aspects of circuit design, from basic skills to advanced, innovative solutions.

1. Round 1: Preliminary Round

- The preliminary round served as the foundation for the competition, where participants were tasked with designing basic circuits that met specific criteria.
- The focus was on assessing participants' understanding of fundamental electronic components, circuit theory, and the ability to implement designs that function correctly under given constraints.
- The top participants from this round advanced to the final round.

2. Round 2: Final Round

- In the final round, participants faced more complex challenges that required them to innovate and optimize their designs.
- This round pushed participants to think creatively and apply research-based techniques to enhance the performance, efficiency, and reliability of their circuits.
- The final designs were evaluated based on criteria such as innovation, efficiency, accuracy, and the ability to meet the given specifications.

Emphasis on Research and Innovation

The Circuit Design Competition highlighted the critical role of research and innovation in the field of electronics:

- **Research-Driven Design:** Participants were encouraged to utilize research in developing their circuit designs. This included studying the latest trends in electronic components, understanding advanced circuit theories, and exploring new methodologies to improve circuit performance.



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243, G. T. ROAD (NORTH), LILUAH, HOWRAH – 711204



- **Innovation in Circuit Design:** The competition emphasized the need for innovative thinking in circuit design. Participants were not only required to solve the given problems but also to explore new approaches that could lead to more efficient, cost-effective, and reliable circuits. Innovation was key in differentiating successful designs from the rest.

Conclusion

The Circuit Design Competition on 6th March was a successful event that challenged participants to apply their knowledge of electronics in a competitive setting. With 20 participants and two rounds of rigorous evaluation, the event underscored the importance of research and innovation in circuit design.

Through the competition, participants demonstrated their ability to think critically and creatively, producing circuit designs that were both functional and innovative. The event served as a platform for aspiring engineers to showcase their skills and inspired them to continue exploring the ever-evolving field of electronics with a focus on research and innovation.



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Event Name: Design Contest with CATIA

Date: 6th March, 2024

Total Participants: 16

Number of Rounds: 2

Introduction

The Design Contest with CATIA held on 6th March was an exciting event aimed at testing participants' proficiency in computer-aided design using CATIA software. With 16 participants, the event was structured into two rounds, each focusing on different aspects of design and innovation. The competition highlighted the critical role of research and innovation in the field of CAD, encouraging participants to push the boundaries of traditional design techniques.

Event Structure

The competition consisted of two rounds, each designed to assess participants' skills in CAD, from basic drawing and modeling to advanced, innovative design solutions.

1. Round 1: Preliminary Round

- The preliminary round focused on assessing participants' fundamental skills in CATIA. Participants were tasked with creating precise and accurate 2D drawings based on provided specifications.
- This round tested their understanding of basic design principles, command over CATIA tools, and ability to produce detailed and accurate technical drawings.
- The top participants from this round advanced to the final round.

2. Round 2: Final Round

- In the final round, participants faced more complex design challenges that required them to create 3D models or more intricate designs.
- This round emphasized creativity, innovation, and the application of advanced CAD techniques. Participants were encouraged to incorporate research-based methods to optimize their designs, focusing on aspects such as efficiency, functionality, and aesthetic appeal.
- The final designs were evaluated on innovation, complexity, accuracy, and the ability to meet the design brief's requirements.

Emphasis on Research and Innovation

The CATIA Competition placed a strong emphasis on the importance of research and innovation in CAD:



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- **Research-Driven Design:** Participants were encouraged to incorporate research into their designs, whether by exploring new CAD techniques, studying ergonomic principles, or integrating sustainable design practices. This approach ensured that their designs were not only technically sound but also aligned with the latest trends and advancements in the field.
- **Innovation in CAD:** The competition challenged participants to think beyond conventional design approaches and explore innovative solutions. Whether it was through the creative use of space, the incorporation of novel design elements, or the application of advanced CAD tools, innovation was key to success in the final round.

Conclusion

The CATIA Competition on 6th March was a highly successful event that provided participants with the opportunity to showcase their CAD skills in a competitive environment. With 10 participants and two rounds of challenging design tasks, the competition underscored the importance of research and innovation in the field of computer-aided design.

Through their participation, contestants demonstrated not only their technical expertise but also their ability to think creatively and apply research-driven strategies to produce innovative designs. This event served as an excellent platform for aspiring designers to enhance their skills and explore new possibilities in the world of CAD, inspiring them to continue pushing the boundaries of design through research and innovation.



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243, G. T. ROAD (NORTH), LILUAH, HOWRAH – 711204



Event Name: ML Mania

Date: 8th March, 2024

Total Participants: 15

Number of Rounds: 2

Introduction

ML Mania, held on 8th March, was a dynamic and intellectually stimulating event focused on machine learning (ML). The competition aimed to test participants' abilities in applying ML techniques to solve real-world problems. With 15 participants, the event featured two rounds, each designed to challenge their understanding of machine learning, emphasizing the importance of research and innovation in this rapidly evolving field.

Event Structure

The competition was structured into two rounds, each progressively increasing in complexity and requiring participants to demonstrate their ML skills through research-based and innovative approaches.

1. Round 1: Preliminary Round

- The preliminary round focused on fundamental machine learning concepts and applications. Participants were tasked with developing models to solve a given problem using datasets provided during the event.
- This round tested participants' understanding of basic ML algorithms, data preprocessing, feature engineering, and model evaluation techniques.
- The top performers, based on the accuracy and efficiency of their models, advanced to the final round.

2. Round 2: Final Round

- The final round presented a more complex challenge that required participants to innovate and apply advanced machine learning techniques. They were asked to develop and fine-tune models to address a real-world problem, with an emphasis on creativity and the application of cutting-edge research.
- This round evaluated participants on several criteria, including model accuracy, innovation in approach, scalability, and the ability to interpret and communicate results effectively.
- Participants were encouraged to explore advanced topics such as deep learning, ensemble methods, and model optimization, integrating these into their final solutions.

Emphasis on Research and Innovation



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ML Mania underscored the critical role of research and innovation in the field of machine learning:

- **Research-Driven Solutions:** Participants were encouraged to base their models on the latest research in machine learning, exploring new algorithms, techniques, and tools to enhance their models' performance. This research-driven approach was crucial in developing solutions that were not only effective but also aligned with the latest advancements in the field.
- **Innovation in Machine Learning:** The competition placed a strong emphasis on innovative thinking. Participants were challenged to move beyond standard methods, exploring novel approaches to feature selection, model training, and result interpretation. This focus on innovation was key to distinguishing the most successful models from others, highlighting the importance of creativity in the field of ML.

Conclusion

ML Mania on 8th March was a successful event that provided participants with the opportunity to showcase their machine learning skills in a competitive and research-focused environment. With 10 participants and two rounds of challenging tasks, the event emphasized the importance of research and innovation in developing effective ML solutions.

Participants demonstrated their ability to apply machine learning techniques creatively and effectively, producing models that were both innovative and based on solid research. The competition not only tested their current abilities but also inspired them to continue exploring the vast possibilities within the field of machine learning, with a focus on pushing the boundaries through research and innovation.



Event Name: Code Fiesta

Date: 7th March, 2024

Total Participants: 115

Number of Rounds: 2

Introduction

Code Fiesta, held on 7th March, was a large-scale coding competition designed to test and enhance participants' programming skills and problem-solving abilities. The event attracted 115 participants, showcasing the enthusiasm and talent within the coding community. The competition, structured into two rounds, emphasized the importance of research and innovation in developing efficient and creative coding solutions.

Event Structure

The competition was divided into two rounds, each progressively challenging participants to demonstrate their coding prowess and innovative thinking.

1. Round 1: Preliminary Round

- The preliminary round served as an initial filter, where participants were presented with a series of coding challenges of varying difficulty levels. These challenges tested their understanding of algorithms, data structures, and programming logic.
- Participants were evaluated based on the accuracy and efficiency of their solutions, as well as their ability to solve problems under time constraints.
- The top performers from this round advanced to the final round, with only the best solutions being selected.

2. Round 2: Final Round

- The final round was more intense, with participants facing complex problems that required deep technical knowledge and innovative approaches. This round focused on advanced topics such as optimization, dynamic programming, and the use of cutting-edge algorithms.
- Participants were encouraged to think creatively and apply research-driven methodologies to develop solutions that were not only correct but also optimized for performance and scalability.
- The final round evaluated participants on their ability to innovate, optimize their code, and effectively use research to solve complex problems.

Emphasis on Research and Innovation

Code Fiesta placed a strong emphasis on the role of research and innovation in coding:



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243, G. T. ROAD (NORTH), LILUAH, HOWRAH – 711204



- **Research-Driven Coding:** Participants were encouraged to leverage the latest research in algorithms and data structures to enhance their solutions. This approach ensured that their code was not only functional but also utilized the most effective and efficient methods available.
- **Innovation in Problem-Solving:** The competition highlighted the importance of innovation in coding. Participants were challenged to go beyond standard approaches, exploring new ways to tackle problems, optimize code, and implement creative solutions. Innovation was a key differentiator, with the most unique and efficient solutions standing out in the competition.

Conclusion

Code Fiesta on 7th March was a highly successful event, bringing together 200 participants in a competitive and intellectually stimulating environment. The two rounds of the competition tested participants' coding skills, problem-solving abilities, and capacity for innovation, emphasizing the importance of research-driven and creative approaches in the field of programming.

Participants demonstrated their ability to apply advanced coding techniques and innovative thinking to solve complex problems. The event not only showcased their current skills but also inspired them to continue exploring the ever-evolving world of programming with a focus on research and innovation. Code Fiesta served as a platform for participants to push the boundaries of their coding abilities, paving the way for future advancements in their programming careers.



Event Name: Quizo Mania

Date: 8th March, 2024

Total Participants: 208

Number of Rounds: 3

Introduction

Quizo Mania, held on 8th March, was a highly engaging and intellectually stimulating quiz competition that brought together 208 participants. The event was structured into three rounds, each designed to test the participants' knowledge, quick thinking, and ability to innovate in response to challenging questions. The competition underscored the importance of research and innovation in acquiring and applying knowledge effectively.

Event Structure

The competition was divided into three rounds, each progressively more challenging, aimed at identifying the most knowledgeable and quick-witted participants.

1. Round 1: Preliminary Round

- The preliminary round served as the initial screening stage, where participants were presented with a broad range of questions covering various topics, including general knowledge, current affairs, science, history, and technology.
- This round was designed to test participants' breadth of knowledge and quick recall abilities. The format included multiple-choice questions, true/false statements, and rapid-fire questions.
- The top 50 participants with the highest scores advanced to the next round.

2. Round 2: Semi-Final Round

- The semi-final round was more focused and challenging, with questions delving deeper into specific subjects. This round required participants to apply their knowledge in innovative ways, such as solving puzzles, interpreting data, and making logical connections between different pieces of information.
- This round also introduced research-oriented questions, where participants had to demonstrate their ability to analyze and synthesize information from various sources.
- The top 10 participants from this round moved on to the final round.

3. Round 3: Final Round

- The final round was the most intense, designed to test not only knowledge but also the participants' ability to think creatively and innovatively under pressure.



- Participants faced a series of complex, open-ended questions and case studies that required critical thinking, research-based reasoning, and innovative solutions.
- This round evaluated participants on their depth of knowledge, innovative thinking, and ability to apply research in crafting well-rounded answers.

Emphasis on Research and Innovation

Quizo Mania emphasized the crucial role of research and innovation in knowledge-based competitions:

- **Research-Oriented Questions:** Throughout the competition, participants were encouraged to think beyond surface-level answers, using research-based approaches to provide more detailed and accurate responses. This focus on research helped participants demonstrate a deeper understanding of the topics.
- **Innovation in Answering:** The competition highlighted the importance of innovation in how participants approached and answered questions. In the final round, particularly, participants were challenged to think creatively, making connections between seemingly unrelated facts, and presenting novel insights that set them apart from their peers.

Conclusion

Quizo Mania on 8th March was a resounding success, engaging 200 participants in a rigorous and thought-provoking competition. The three-round structure allowed participants to showcase their knowledge, research skills, and innovative thinking, with each round progressively testing their abilities in different ways.

Participants demonstrated their capability to apply research-based strategies and innovative thinking to excel in the competition. Quizo Mania not only provided a platform for knowledge demonstration but also inspired participants to approach learning and problem-solving with a research-oriented and creative mindset. The event reinforced the value of deep knowledge and innovative thinking in achieving success in any intellectual pursuit.



Event Name: Enigma - The Treasure Hunt

Date: 7th March, 2024

Total Participants: 233

Number of Rounds: 3

Introduction

Enigma - The Treasure Hunt, held on 7th March, was an adventurous and intellectually stimulating event that attracted 233 participants. The event, structured into three challenging rounds, required participants to work in teams of 2 or 3 members. Enigma combined elements of research and innovation, pushing teams to think creatively and strategically as they navigated through a series of clues and challenges to uncover the hidden treasure.

Event Structure

The competition was divided into three rounds, each designed to test the participants' problem-solving abilities, teamwork, and innovative thinking.

1. Round 1: Preliminary Round

- The preliminary round kicked off the treasure hunt with a set of initial clues that teams had to decipher. These clues were spread across different locations, each requiring participants to use logical reasoning and basic research to find the next clue.
- This round was designed to test the teams' ability to collaborate effectively, think on their feet, and apply quick problem-solving strategies.
- The top teams, based on their speed and accuracy in solving the clues, advanced to the next round.

2. Round 2: Intermediate Round

- The intermediate round was more challenging, with clues that required deeper analysis and innovative thinking. Teams had to engage in more extensive research, often needing to draw connections between historical facts, literature, science, and cryptic puzzles.
- This round emphasized the importance of thorough research and the ability to innovate in finding solutions that were not immediately obvious. Teams needed to be creative in interpreting the clues and efficient in executing their strategies.
- The best-performing teams, judged by their speed and the ingenuity of their solutions, moved on to the final round.

3. Round 3: Final Round

- The final round was the most intense and complex, designed to push the limits of the teams' research capabilities and innovative thinking. The clues in this



round were multi-layered, requiring teams to apply a combination of logical reasoning, research, and creativity to uncover the final location of the treasure.

- This round also introduced elements of physical challenges and real-time problem-solving, requiring teams to innovate on the spot and adapt their strategies as they progressed.
- The winning team was the one that demonstrated exceptional teamwork, innovative problem-solving, and the ability to conduct effective research under pressure.

Emphasis on Research and Innovation

Enigma - The Treasure Hunt placed a strong emphasis on the role of research and innovation in solving complex problems:

- **Research-Oriented Clues:** Throughout the event, teams were required to engage in research to decipher clues. This included looking up historical references, analyzing texts, and using online resources to gather information that would guide them to the next stage. This research-driven approach ensured that participants developed a deeper understanding of the clues and the context behind them.
- **Innovation in Problem-Solving:** Innovation was a key aspect of the competition, with teams needing to think creatively to solve the clues. The event challenged participants to go beyond conventional thinking, encouraging them to explore unconventional solutions and apply lateral thinking to uncover the treasure.

Conclusion

Enigma - The Treasure Hunt on 7th March was a thrilling and intellectually enriching event that engaged 250 participants in a series of challenging and innovative tasks. The three-round structure tested teams on their ability to conduct effective research, work collaboratively, and think innovatively to solve complex problems.

Participants demonstrated remarkable creativity and strategic thinking, showcasing their ability to apply research-driven methods and innovative solutions to navigate the treasure hunt successfully. Enigma provided a platform for participants to challenge their minds and inspired them to approach problem-solving with a blend of research and innovation, reinforcing the importance of these skills in achieving success in any competitive or intellectual endeavor.



Event Name: FIFA

Date: 7th March, 2024

Total Participants: 20

Number of Rounds: 2

Introduction

The FIFA eSports event held on 7th March was an exciting and competitive gaming tournament focused on the popular football simulation game, FIFA. With 4 individual participants competing in a high-stakes environment, the event showcased not only their gaming skills but also their strategic thinking and innovative approaches to gameplay. The competition was structured into two rounds, each designed to test the players' abilities and strategic depth.

Event Structure

The competition was divided into two rounds, each presenting different challenges and opportunities for participants to demonstrate their expertise and innovative strategies.

1. Round 1: Group Stage

- The group stage involved a round-robin format where each player faced the others in a series of matches. This round was designed to test players' overall skills, including their tactical awareness, adaptability, and ability to execute strategies under pressure.
- Participants were required to showcase their understanding of the game mechanics, player strengths, and tactical formations. Effective use of innovative strategies and research into opponent tendencies were crucial for success in this round.
- Based on the performance in the group stage, the top players advanced to the knockout stage.

2. Round 2: Knockout Stage

- The knockout stage was a single-elimination format, where the top players competed in direct elimination matches. Each match was a high-pressure situation where players needed to apply their best strategies and adapt quickly to their opponents' tactics.
- This round emphasized the importance of innovation in gameplay, as players were challenged to come up with new tactics and counter-strategies to outmaneuver their opponents.
- The final match determined the overall winner of the tournament, based on their ability to effectively apply research and innovative tactics to secure victory.

Emphasis on Research and Innovation



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243, G. T. ROAD (NORTH), LILUAH, HOWRAH – 711204



The FIFA eSports event highlighted the critical role of research and innovation in competitive gaming:

- **Research-Driven Tactics:** Participants were encouraged to research their opponents' playing styles, strengths, and weaknesses. This research allowed them to develop tailored strategies and make informed decisions during matches. Understanding the latest game updates, player stats, and effective formations also played a key role in their performance.
- **Innovation in Gameplay:** Innovation was essential for success in the tournament. Players needed to demonstrate creativity in their gameplay, experimenting with unconventional strategies and formations. The ability to adapt and innovate in real-time, based on the flow of the game and the opponent's tactics, was crucial for advancing in the knockout stage.

Conclusion

The FIFA eSports event on 7th March was a successful and exhilarating competition, featuring 4 individual participants who showcased their skills and strategic depth in the world of competitive gaming. The two-round structure provided a platform for players to demonstrate their abilities, from initial group matches to high-stakes knockout games.

Participants exhibited their prowess through innovative gameplay and strategic research, adapting to the dynamic nature of the tournament. The event highlighted the importance of research and innovation in eSports, underscoring how these elements contribute to achieving success in competitive gaming. The FIFA eSports event not only provided an exciting competitive experience but also inspired players to continue exploring and refining their strategies in the world of eSports.



Event Name: NFS MOST WANTED

Date: 7th March, 2024

Total Participants: 54

Number of Rounds: 2

Introduction

The NFS eSports event, held on 7th March, was an exhilarating competition focused on the popular racing game, Need for Speed (NFS). With 54 individual participants, the tournament provided a platform for racers to showcase their driving skills, strategic planning, and innovative techniques. The event was structured into two rounds, each designed to test different aspects of racing and gaming expertise.

Event Structure

The competition was divided into two rounds, each aimed at assessing participants' skills and adaptability in various racing scenarios.

1. Round 1: Qualifying Races

- The qualifying round consisted of several races where participants competed in different tracks and conditions. This round was designed to evaluate their driving skills, including speed, control, and strategy under varied racing environments.
- Participants were required to demonstrate their ability to adapt to different track layouts and conditions, making quick decisions and adjustments. Research into track specifics and car performance, as well as innovative driving strategies, were key to achieving top times and qualifying for the next round.
- The top 16 participants, based on their performance and fastest lap times, advanced to the final round.

2. Round 2: Final Showdown

- The final round featured a series of high-stakes races among the top 16 participants. This round was more competitive and intense, requiring players to employ advanced strategies and innovative driving techniques to secure victory.
- Participants faced various challenges, including dynamic weather conditions and obstacles on the track, demanding both high-level driving skills and strategic adaptability.
- The final positions were determined based on race results, with emphasis placed on consistency, strategic overtaking, and the ability to innovate under pressure.

Emphasis on Research and Innovation



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The NFS eSports event highlighted the importance of research and innovation in competitive racing:

- **Research-Based Preparation:** Participants were encouraged to research track layouts, car characteristics, and racing techniques. Understanding the nuances of each track and optimizing car setups based on research played a crucial role in improving performance. Players who studied track specifics and car handling were better equipped to navigate the races effectively.
- **Innovation in Racing Strategies:** Innovation was critical in the final round, where participants had to employ creative racing strategies and adaptive techniques to outmaneuver their opponents. This included experimenting with different racing lines, braking points, and overtaking maneuvers. Innovative driving approaches helped participants gain a competitive edge and secure top positions.

Conclusion

The NFS eSports event on 7th March was a highly successful and competitive racing tournament that showcased the talents of 54 individual participants. The two-round structure allowed competitors to demonstrate their driving skills and strategic prowess, from qualifying races to the high-stakes final showdown.

Participants demonstrated exceptional abilities by integrating research and innovative strategies into their gameplay. The event underscored the value of thorough preparation and creative thinking in achieving success in eSports racing. NFS eSports provided an exciting platform for racers to push their limits, inspire new approaches to racing, and continue advancing their skills in the world of competitive gaming.



MCKV Institute of Engineering

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Report on the event “ π -Day Math Fiesta: Uncovering Everyday Mathematical Wonders” on 14th March, 2024

The Basic Science Department of MCKV Institute of Engineering, in collaboration with the Mathematics Club, commemorated the International π -Day on 14th March, 2024. This annual event is designed to instill awareness and appreciation for the mathematical constant π while igniting a passion for Mathematics among students. The festivities included an enlightening lecture, followed by stimulating competitions, providing students with an opportunity to showcase their knowledge and presentation prowess.

The inaugural session was graced by Prof. (Dr.) Abhijit Lahiri (Principal), Prof. (Dr.) Debabrata Datta (Director of Research & Development), Prof. (Dr.) Arun Kumar Jalan (Dean, Students Affairs), Prof. (Dr.) Satadal Saha (Dean, Academics) and Dr. Dipankar Ghosh (HOD, B.Sc.). Their insightful remarks resonated with the audience, highlighting the significance of π across diverse domains and aiming to kindle a profound appreciation and love for mathematics among future engineers.



The program commenced with a captivating lecture by Mr. Milan Chakroborty, Assistant Professor in Mathematics at MCKVIE on “Exploring the Unseen Language of Numbers.” With eloquence and clarity, he delved into the history and multifaceted applications of the enigmatic number π . Mr. Chakroborty skillfully elucidated its role in various fields such as geometry, trigonometry, Gaussian integrals and real-life scenarios. Furthermore, his presentation extended into the fascinating realms of Fibonacci numbers, the golden ratio, and the golden spiral, enriched by compelling real-life examples that enthralled the audience and deepened their understanding of mathematical concepts.



As part of the 25th years Celebration of the institute, a student presentation competition on the theme “Mathematics and Engineers” was meticulously organized. The competition showcased the diverse knowledge and creativity of students, who explored topics ranging from the practical applications of vector calculus to the intricacies of Maxwell’s equations, and from the relevance of differential equations to solving real-life probability problems. Presentations not only delved into fields like optical communications, information technology but also ventured beyond conventional domains to specialized areas like the Duckworth-Lewis-Stern Method, GPU and morphology. A distinguished panel of judges, Prof. (Dr.) Debabrata Datta (Director of Research & Development of MCKVIE), Dr. Tamal Roy (HOD, EE department), Dr. Abhijit Pramanik (Basic Science) and Mrs. Arpita Ghosh (Basic Science), evaluated the presentations and awarded the winners and runners-up with certificates and medals. All participants were also encouraged with token of appreciations and certificates.





- Winners: Soham Deb, Vardhan Rai and Megha Bhattacharya for their presentation on “Duckworth-Lewis-Stern Method.”
- 1st Runners-up: Sanandam Bhattacharjee, Debroop Dutta and Arijit Kumar Roy for their presentation on “The Marvels of π : Origin, Influence, and Modern Applications.
- 2nd Runners-up: Soumyadip Ghosh, Ankan Samanta and Sinjan Roy for their presentation on “Mathematical Algorithms”.

As the workshop drew to a close, the Coordinator of the event extended a heartfelt vote of thanks to the Chairman Sir, Managing Trustee Sir, Principal Sir, speakers, participants and organizers for their contributions towards making the event successful. Through the meticulous orchestration of such an intellectually stimulating and enriching event, the Department of Basic Science aspires to foster an environment conducive to exploration and a profound love for Mathematics among the student community.

Dr. Supriya Das
Event Coordinator

Ms. Saptami Roy Chowdhury
Convener

Dr. Dipankar Ghosh
HOD, Basic Science

Program/Activity Name: Entrepreneurship & Personal Finance

Program Type: Self-driven activity

Date: 11th March, 2024

Time: 2 PM onwards (2 hours)

Number of Participants: 88

Event co-ordinator: Prof. Prasenjit Chatterjee & Prof. Jayanti Mahata

Name of the Expert: Prof. Sharan Kumar Shetty, Deputy Vice Chancellor, Texila American University, Zambia.

Remark: The event was organized by the Department of Mechanical Engineering and Institution's Innovation Council (IIC) of MCKVIE on 11th March, 2024. The aim of the expert talk was to provide students and aspiring entrepreneurs with valuable insights into the concepts of entrepreneurship and personal finance. The session sought to bridge the gap between theoretical knowledge and practical application, equipping attendees with the tools and understanding needed to succeed in both starting a business and managing personal finances effectively.

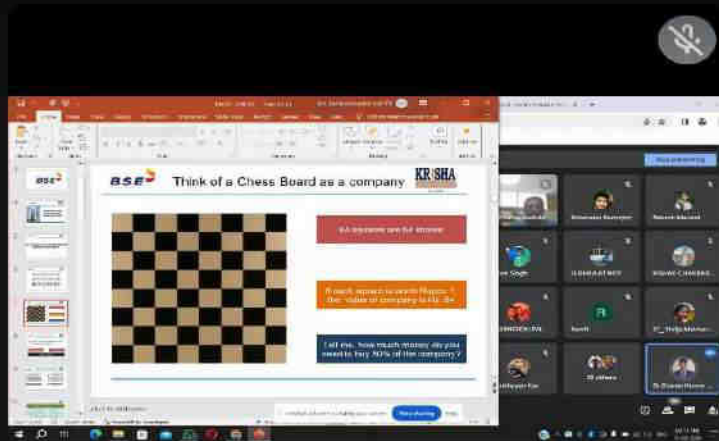
Mode of Session delivery: Online

Objective: The objectives of the expert talk were to demystify the concept of entrepreneurship and its significance in today's economy, inspiring and motivating the attendees to consider it as a viable career path, while simultaneously highlighting the importance of personal financial management and providing practical tips and strategies for effective financial planning. Additionally, the session aimed to demonstrate the interconnection between successful entrepreneurship and sound personal financial practices, equipping attendees with the skills to balance business growth and personal financial stability.

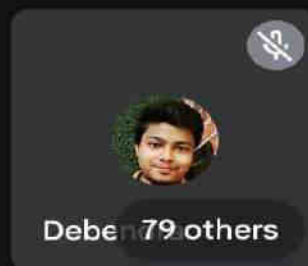
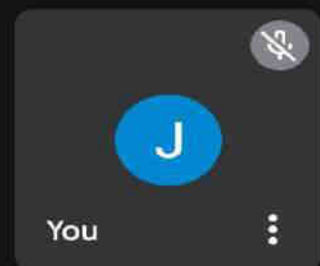
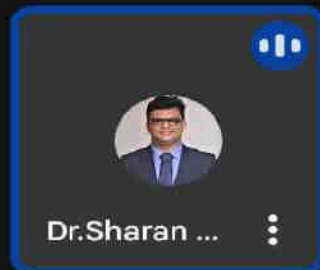
Benefit in terms of learning/Skill/Knowledge obtained*: Participants obtained the following learning/skill/knowledge:

1. The expert talk provided attendees with comprehensive knowledge of entrepreneurship and personal finance, highlighting their interconnected nature.
2. Participants developed practical skills in business planning, financial management, and strategic decision-making, improving their ability to identify funding opportunities.
3. The session boosted their motivation and confidence to pursue entrepreneurial endeavors, preparing them to handle financial challenges both personally and professionally.
4. This enhanced understanding and skill set are expected to empower students to make informed decisions and take proactive steps towards achieving their entrepreneurial and financial goals.

← okm-cgmo-... ▶ 🔊 ↺



Dr.Sharan Kumar is presenting



◀ okm-cgmo-... ▶ 🔊 ↺

**Transmission of Securities**

➤ Transfer of securities balances in a demat account due to death, bankruptcy, lunacy etc. of the account holder, to legal heirs/another holder.

➤ Not a voluntary act of the account holder.

➤ This transfer is brought about by operation of law i.e. a person cannot ask for transmission of shares from his/her own Demat account.

➤ The transmission process through the depository is simple and fast.

Dr.Sharan Kumar is presenting 🔇 🖼


Md ⋮ 🔇


Avinandan ⋮ 🔇


You ⋮ 🔇


Dr.Sharad 86 others 🔇



◀ okm-cgmo-... ▶ 🔊 ↺



Dr.Sharan Kumar is presenting 🔊 🖥️

🔊

Dr.Sharan ... ⋮

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3dprinting... ⋮

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You ⋮

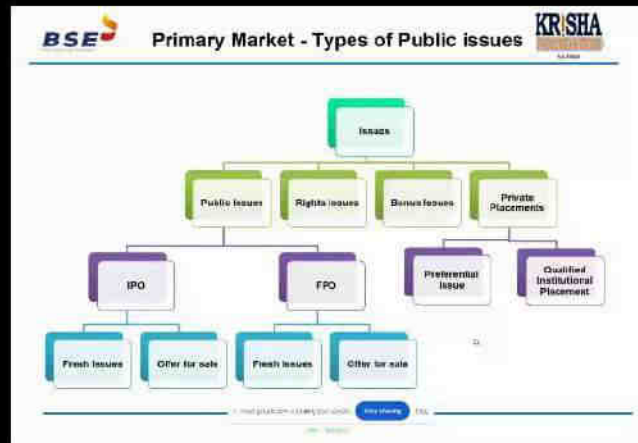
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Deben 69 others ⋮





okm-cgmo-...



Dr.Sharan Kumar is presenting



Dr.Sharan ...



3dprinting...



You



Deben 81 others





okm-cgmo-...



BSE SIAR MF: Digital Impact & Evolution...

- All Mutual Funds (MFs) are high tech, low volatility, data driven.
- Long standing track record.
- Focus on MFs.
- High exposure to digital impact (MFs).
- High exposure to digital impact (MFs).
- Very low time to MFs in digital (MFs).
- Top MFs have high tech to volatility of all-in-one (MFs).
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- Very low time to MFs in digital (MFs).
- Top MFs have high tech to volatility of all-in-one (MFs).

Dr.Sharan Kumar is presenting



Dr.Sharan ...



Shreya



You



Md

82 others





okm-cgmo-...



BSE **What is a Pledge ?** **KRISHA**

➤ **Pledge:** Deposit of some personal property as collateral for a debt.

- Investor wants to Borrow Funds to pay margin
- He may pledge his own securities (shares, bonds, etc.) to borrow funds.
- Pledged securities act as collateral for the loan. Pledgee/ Creditor only has possession of pledged securities and not ownership/ title to the pledged securities.
- If borrower of funds(pledger) defaults on repayment, lender of funds (pledgee) can sell the securities and recover his money.
- Securities are provisionally moved from pledger's/ debtor's securities account to pled

Dr.Sharan Kumar is presenting

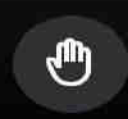



Dr.Sharan ...


Shreya


You

ARI 88 others



Report of PULSE.EXE 2K24

Event Organized by Department of Information Technology

MCKV Institute of Engineering

PULSE.EXE 2K24 was the second iteration of a yearly technical event organized by the students and faculty members of the IT Department of MCKV Institute of Engineering, held on 10th April, 2024 at IT Department of MCKV Institute of Engineering from 9:30 a.m. onwards. Students of all departments from MCKV Institute of Engineering were competing in teams of two members to prove their knowledge and skills. There were 133 teams have participated in the event.

Objectives of the event: To showcase the knowledge and innovative ideas of the participants in solving real life programming problems.

The event comprises of 3 rounds as follows:

Round1: Apti-Quest (Elimination Round)

Round 1 is basically an aptitude test round for elimination. All registered participants have appeared for this round. There were 30 multiple choice questions in this round and need to be answered within 30 minutes. The question paper consists of coding and decoding, aptitude, general knowledge, science and technology, riddles and c programming skills. 20 teams were selected for the second round based on the performance of the 1st round.

Round2: Picture-Perfect (Audio-Visual Round)

The 2nd round named Picture-Perfect of this event was an Audio-Visual round. Top 20 teams who got selected in the first round were eligible to appear for this round. 20 audio-visual questions were there on different fields.

Top 5 teams were selected for the 3rd and final round based on the performance of the second round.

Round3: Code-Odyssey (Innovative Coding Round)

The 3rd and final round was an innovative coding round named Code-Odyssey. In this round participants were asked to solve three real life problems by using their innovative ideas and also need to implement the idea within the stipulated time period.

Outcome of the Event: It helps to gain the confidence of the participants over Idea generation and coding for solving real life problems. These problem solving skills also help to develop more skills in a person and build a promising career in future.

Winners' of the Event:

1st prize:

Team name: United Arab

Participants' Name:

Arijit Kumar Roy (CSE, 1st Year)

Abhisumat Kundu (CSE, 1st Year)

2nd prize:

Team name: Synapse

Participants' Name:

Anurag Banerjee (IT, 4th Year)

Poulomi Pal (AIML, 3rd Year)

3rd prize:

Team name: Dreamepic

Participants' Name:

Bishal Rajbhar (AUE, 2nd Year)

Moulish Ghosh (ECE, 2nd Year)

Events Photographs:



Fig1: Banner of the Event



Fig2: Picture of Inauguration Session



Fig3: Picture of Round1



Fig4: Picture of Round2



Fig5: Picture of Round3



Fig6: Winners



Fig7: Group Photograph

Event Website:

<https://bit.ly/43hWRkh>

Social Media Links:

Facebook:

https://m.facebook.com/story.php?story_fbid=pfbid02jjCmyMHchZKUc2y7Mt1tuR2ihfvtK6qCTpnV1n7qNvMYGa8Enh2THVNiWucgs5dEl&id=100076310046734&sfnsn=wiwspwa&mibextid=6aamW6

Twitter: <https://x.com/iicmckvie/status/1777912848544571510?s=46>

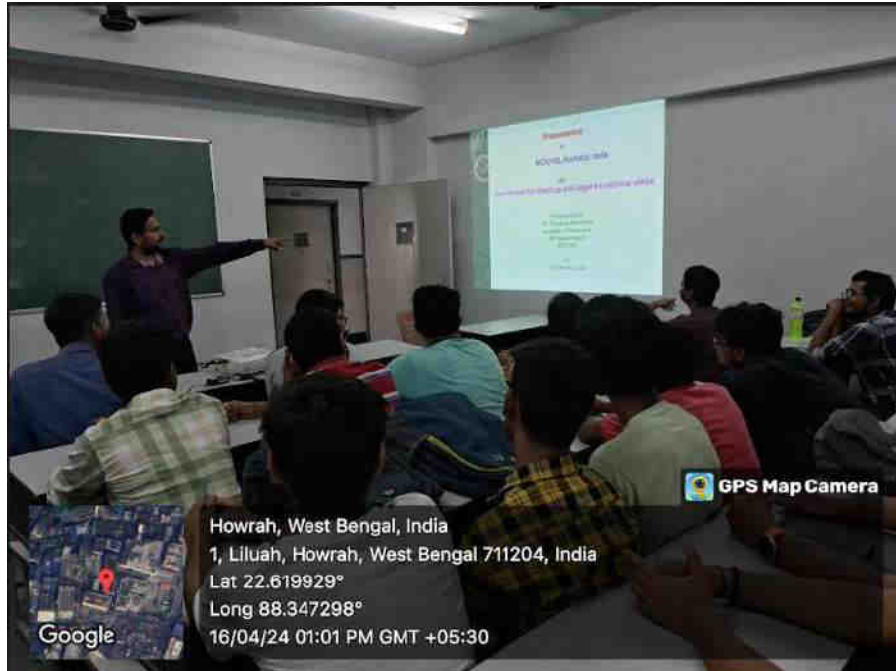
Instagram: <https://www.instagram.com/p/C5gmut4SeOR/?igsh=ZHV3djdjNHR5Nmhj>

In order to provide students with the basic knowledge about how to plan a start-up and the steps to be taken towards achieving goals, Institution Innovation Cell of MCKVIE organized a seminar on the topic-“How to plan for start-up and Legal & Ethical Steps” on 16th April 2024, at 12.50 PM. The speaker of the session was Mr. Sudeep Samanta, Assistant Professor, EE Department, MCKVIE. The vision of the program is to create more job opportunities and a better work environment for all, and to connect and equip people.

The session focused on Business Startup and Entrepreneurship. The intention or the objective of the session was to help the students to plan a startup of their interest. Various aspects of startups were discussed in the program including the idea, mission and legal methods. The speaker emphasized that more than earning for ourselves, startups should be quite innovative that would help the lives of ordinary people.

This leadership talk was strengthened by 42 student members and 5 Faculty members of MCKVIE. The program is concluded with the vote of thanks by Dr. Debopama Kar Ray, Assistant professor, EE department.





In order to provide students with the basic knowledge about IPR and IP management system for startup, Institution Innovation Cell of MCKVIE organized the workshop on the topic-“Intellectual Property Rights (IPRs) and IP Management for Startup” on 18th April 2024, at 12.50 PM. The speaker of the session was Dr. Debopama Kar Ray, Assistant Professor, EE Department, MCKVIE.

The essence of the session was to demonstrate how the knowledge of intellectual property right holds importance and must be kept in mind while building a startup business. The workshop provided the students with vast knowledge on intellectual property rights, it's accounting and valuation which will be of immense help for the students with startup ideas looking forward to build their own startups. After the session came towards the end, the students and our faculty raised their queries related to the topic. The same were also addressed by our speaker. The session was concluded with the key takeaway of the session was to impart knowledge on the IPR 's importance in today's startup oriented economy.

This leadership talk was strengthened by 45 student members and 3 Faculty members of MCKVIE. The program is concluded with the vote of thanks by Mr. Sudeep Samanta, Assistant professor, EE department.





GPS Map Camera

Howrah, West Bengal, India

Laxmi Niketan, 243, G.T. Road (N), Liluah, Howrah, West Bengal 711204, India

Lat 22.620048°

Long 88.347326°

18/04/24 01:02 PM GMT +05:30

Google

Report on SPECTRA 2K24, organized by CSE (AIML) on 18/04/2024

It is our immense pleasure to announce that the Department of Computer Science and Engineering (AIML) successfully organized SPECTRA 2K24 which was held on 18th April, 2024 from 9:30am onwards. Following the rich tradition of our college, the inauguration commenced with Ganesh Vandana and lamp lighting by the dignitaries, namely Mr. Abhay Kejriwal, Trustee, MCKV Group, Prof. (Dr.) Abhijit Lahiri, Principal, MCKVIE, Mr. Avijit Bose, HOD-CSE and Prof. (Dr.) S.S.Thakur, Former HoD-CSE and Teacher-in-Charge, CSE(DS).



Inauguration Ceremony at B – 312 (B block)

This ritual is followed by the addresses of dignitaries to the audience. The inauguration program concluded with the vote of thanks given by Mr. Soumya Paul, Event Coordinator of SPECTRA 2K24. The inauguration program was hosted in an elegant way by the student anchors.



It was a three round competition, the first round of which was in online mode(APITIVERSE), the second round was held on online coding platform (HackerRank) and the options provided for Coding includes C, Java and Python and the participants may opt for one coding programming language based on their proficiency(CODE-N-SEEK), and the third round was the Treasure Hunt round where the students were given some clues in the form of treasure and they have to find out the meaning of the clues to reach the final goal (TRYME-ZE).

A student committee was formed with 24 members from both CSE, CSE (DS)and CSE(AIML). They were amazingly enthusiast to commemorate the event. Student organizer committee members were very cooperative and tried their best to coordinate the event and to maintain the discipline. A total of 135 student teams registered for the event among which 12 student teams were from other colleges. Among 135 registered teams 122 teams actually participated in the first round, and after the first-round screening 20 teams moved to second round, and finally 10 teams were screened for the third round which was the final round. Winning teams of the third round received exclusive prizes and certificates of appreciation.

Winners of SPECTRA 2K24:

Rank 1: Team 007 [Samrat Dutta(CSE-AIML) and Raunak Koley(CSE-AIML)]

Rank2: Hello Kitty [Debroop Dutta(CSE) and Somsubhra Kundu(CSE)]

Rank3: Phoenix [Arkajyoti Bhattacharya(CSE-AIML) and Sayan Chatterjee (CSEAIML)]



Every participant received chocolates as a gift, while those who qualified in the first round and the student organizers were treated to delightful food packets. They returned home with the pleasant fragrance of the program. Members of the student organizing committee were also awarded certificates as a token of appreciation for their dedication and diligent efforts.



All the teacher committee members of the department put their effort whole heartedly to make the event a successful one. The contributions of the teacher committee members in preparing online coding platform for competition, preparing labs, preparing question papers, guiding students in preparing certificates, banner, poster etc. are commendable. We are thankful to Quick Heal and IIHT, Howrah for sponsoring this event and making it a huge success.

Mr Soumya Paul, Event Coordinator, CSE(AIML) took the initiative to organize the program i.e. SPECTRA 2K24 along with Mr. Soham Goswami and Ms. Manali Sarkar were the coordinator and co-coordinator of the event. The entire day of the event will remain in our memories, and we will try to organize the same again in near future.

(Mr. Soumya Paul)
Coordinator, SPECTRA-2K24

(Mr. Soham Goswami)
Co-Coordinator, SPECTRA-2K24

(Ms. Manali Sarkar)
Co-Coordinator, SPECTRA-2K24

(Mr. Avijit Bose)
HOD, CSE

Overall Event Report on Expert Lecture on “Successful Case Studies in Sustainable Mobility”

The expert lecture on Successful Case Studies in Sustainable Mobility was held on 24/04/2024 at SIT in MCKV Institute of Engineering. The lecture delivered by Md. Afroz Alam, a distinguished expert in VE Commercial Vehicles Ltd. with a wealth of experience. The event aimed to provide attendees with practical insights and knowledge derived from real-world examples of successful sustainable mobility initiatives.

The lecture began with an introduction to the concept of sustainable mobility, emphasizing its importance in reducing environmental impact, improving public health, and enhancing the quality of urban life. The speaker then presented several successful case studies, each highlighting different aspects of sustainable mobility.

The lecture was followed by an interactive Q&A session, where attendees engaged actively with the speaker. Questions focused on specific challenges in implementing sustainable mobility projects, the applicability of strategies in different contexts, and the role of policy and community engagement. The speaker provided detailed responses and shared additional insights based on his extensive experience. The expert lecture on Successful Case Studies in Sustainable Mobility was highly informative and inspiring.

GALLERY



Required details for event report submission in IIC portal:

1. Academic Year: 2023-24
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Celebration activity
 - iv) Self-driven activity**
3. Quarter-3: [March'24 to May'24]
4. Program/Activity Name: **Unleashing Innovation: Start-up Strategies for Entrepreneurial Success**
5. Program type: (Choose any one)
 - Level-1
 - i) Expert talk**
 - ii) Exposure visit
 - iii) Mentoring session
 - Level-2
 - iv) Conference
 - v) Exposure visit
 - vi) Seminar
 - vii) Workshop
 - viii) Competition
 - Level-3**
 - ix) Boot camp
 - x) Competition
 - xi) Demo day
 - xii) Exhibition
 - xiii) Workshop
 - xiv) Exposure visit
 - Level-4
 - xv) Workshop
 - xvi) Challenges
 - xvii) Competition/Hackathon
 - xviii) Techfest
 - xix) Bootcamp
 - xx) Exhibition/ Demo Day
7. Program Theme: (Choose Anyone)
 - i) IPR & Technology Transfer
 - ii) Innovation & Design Thinking
 - iii) Entrepreneurship & Startup**
 - iv) Pre-Incubation & Incubation Management
8. Duration of the activity (In Hours): **2 Hours**
9. Start Date (in days): **25th April 2024**
10. End Date (in days): **25th April 2024**
11. Number of Student Participants(Min 40): **132**
12. Number of Faculty Participants: **10**
13. Number of External Participants, if any: **Nil**
14. Expenditure amount, if any: (With supporting documents): **Rs. 5000.00**

15. Remark: **The expert talk on "Unleashing Innovation: Start-up Strategies for Entrepreneurial Success" by Sabyasachi Saha, CEO of Techno Exponent, on April 25th, 2024, at 11 am, delved into key tactics for start-up triumph. Saha emphasized fostering innovation and navigating entrepreneurial challenges. Attendees gained invaluable insights to empower their ventures, benefiting from Saha's seasoned expertise. The session showcased cutting-edge strategies vital for start-up growth and success, fostering a dynamic exchange of ideas.**

16. Mode of session delivery (online/offline/Hybrid): **Offline**

17. Overview:

I. Objective:(100 letters): **Focusing on Innovation Centric Start up strategies, inculcating awareness and interest among the students**

II. Benefit in terms of learning/skill/knowledge obtained (150 letters):

Key Benefits:

1. Enhanced Innovation Knowledge : Attendees learned about the latest trends and the critical role of innovation in start-up success.

2. Strategic Start-up Skills : The session provided actionable tactics for overcoming entrepreneurial challenges, enhancing strategic thinking.

3. Industry Insights : Gained practical knowledge from Saha's real-world experiences and insights.

4. Entrepreneurial Roadmap : Provided a clear path for achieving start-up success through innovation and strategic planning.

5. Idea Exchange : Fostered a collaborative learning environment with dynamic discussions and diverse perspectives.

6. Networking : Offered opportunities for collaboration and mentorship with peers, industry leaders, and academics.

7. Institutional Support Recognition : Highlighted the importance of academic and professional contributions to entrepreneurial success.

18. Documents required:

i) Video URL(Optional):

ii) 2 Event photographs in .jpg format (max size 2 MB).

iii) Overall event report in .pdf format (max size 2 MB).

19. Promotional link in social media:

i) **Facebook :**

https://m.facebook.com/story.php?story_fbid=pfbid02iH7Rn4W41mWctqYxVYh6Jf5uPEXackhSskwxbV6m9DUJ3H8Bt5MHsSZGuKsZVagFI&id=100076310046734&sfnsn=wiwspwa&mibextid=6aamW6

ii) **Twitter:**

<https://twitter.com/IICMCKVIE/status/1777399865774915693?t=qOcby7pbw5t1fvXRTy1XSQ&s=19>

iii) **Instagram :** <https://www.instagram.com/p/C5gmfDSy18z/?igsh=b3lteTV3cjZpcWY2>

iv) **LinkedIn:**

Overall Event Report on “Mechatronics and Intelligent Transportation System”

The expert lecture on Mechatronics and Intelligent Transportation Systems (ITS) was held on 25th April, 2024 at SIT hall in MCKV Institute of Engineering. The lecture was delivered by Prof. Subhasis Bhaumik (IEST Shibpur), a renowned expert in the field with extensive experience in mechatronics and intelligent transportation solutions. The event aimed to provide students and professionals with an in-depth understanding of the integration of mechanical, electronic, and computer engineering in developing advanced transportation systems.

The lecture began with an introduction to the fundamental principles of mechatronics, highlighting the integration of mechanical, electronic, and computer systems to create intelligent machines. The speaker then transitioned to discussing Intelligent Transportation Systems, emphasizing the importance of these systems in improving traffic management, safety, and efficiency. The lecture was followed by an interactive Q&A session, where attendees had the opportunity to engage with the speaker. Questions ranged from technical details about specific technologies to broader inquiries about the future of intelligent transportation. The speaker provided insightful answers and encouraged students to explore further research in the field.

GALLERY



MCKV INSTITUTE OF ENGINEERING

World Intellectual Property Day

World Intellectual Property Day held on 26th April, 2024 at MCKVIE was a resounding success, blending knowledge, inspiration, and celebration. The event garnered an impressive total attendance of 140+ participants, demonstrating a widespread interest in patent exploration. Dr. Rahul Kapoor, Founder and Director of Turnip Innovations, delivered an inspiring talk. The seminar dedicated to raising awareness about the importance of intellectual property and celebrating the achievements of creators and innovators worldwide, contributing to the essence of World Intellectual Property Day. Seminar insights by Dr. Rahul Kapoor provided a diverse range of patent research analytics, enhancing the educational experience for participants. The event's success has paved the way for future initiatives that aim to further integrate knowledge-sharing sessions with interactive elements regarding patent research. The World Intellectual Property Day proved to be an enriching and entertaining experience, achieving its goal of celebrating creative liberty and innovations, fostering curiosity, and providing a platform for intellectual engagement.













Institutions' Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE)

presented

Expert Talk [IIC Level-1 Program]

on

“Strengthening of Entrepreneurship & Unicornship” by Dr. Juin Ghosh Sarkar

IIC Calendar Activity [March 2024 to May 2024]

Date of Event: 26.04.2024

Time: 12:30 – 2:30 PM

EVENT REPORT

The Expert Talk was organised and conducted on the topic – “Strengthening of Entrepreneurship & Unicornship” in SIT Hall of MCKV Institute of Engineering (MCKVIE), Liluah, on 26.4.2024, Friday. The session was of 2 hours’ duration, starting at 12:30 p.m. and ending at 2:30 p.m. The resource persons for the Expert Talk session was Dr. Juin Ghosh Sarkar from the Department of Management Science and Humanities of MCKVIE. The participants of the event were the students of B.Tech and MBA students of MCKVIE. The workshop was also attended by the faculty members of the various departments of MCKVIE as well.

The total number of student participants were 40 (forty) and the total number of faculty participants were 25 (twenty-five).

The session was very captivating. The student participants offered a lot of insightful questions throughout the interactive session. Audio-visual aids were used by the speaker, Dr. Juin Ghosh Sarkar, during these session.

The programme was carried out in accordance with the goal of the Expert Talk. It is anticipated that the program's output will benefit the studentpreneur of MCKVIE by enhancing their span of knowledge.

Photographs of the Event:



Photograph #1: Dr. Juin Ghosh Sarkar delivering the deliberation on “Strengthening of Entrepreneurship & Unicornship” in SIT Hall, MCKVIE.



Photograph #2: Student participants and faculty members of MCKVIE, attending the Expert Talk session of Dr. Juin Ghosh Sarkar

Event Flyer:



Overall report of the activity: Student's Technical Article Competition-PRAYAS 2024

Date: 26/04/2024

Institution's Innovation Council (IIC) of MCKVIE organized Student's Technical article Competition-PRAYAS 2024 on 26th April (Friday), 2024. This was an offline event and approximately 50 participants (students and faculty members) attended the event.

The event was held on an offline mode. Twenty articles in various domains of Electronics & Communication Engineering and allied fields were accepted for the event. Twelve articles were presented and a total of fifty participants from various engineering colleges/ universities participated in the program. The presented articles were evaluated on the basis of different criteria by the judges. The prize distribution ceremony was held Offline at MCKV Institute of Engineering on the same day. Certificates and prizes of merit were awarded for first, second and third positions respectively. Certificates and prizes of merit were also awarded for the Articles with highest originality based on plagiarism check values and Editor's choice on the basis of best written and formatted articles. Certificates of participation were awarded to all participants

Plagiarism check of submitted papers were done and the proceedings of the competition will be published in a book with ISBN.

The participants showed great enthusiasm and expressed their hope to participate in such events in years to come. They appreciated the concept of the event as it provided them the platform to prepare and present the technical articles and also share their views through scientific discussion

This event promotes presentation of innovative ideas and models.

The organizing committee is thankful to IIC for their active support and cooperation and hopes to receive such help in years to come.

Few snapshots of the event:







Institutions' Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE)

presented

Expert Talk [IIC Level-1 Program]

on

“Effect of Circular Flow of Income and Inflation on Business”

by

Mr. Diptayan Bhattacheryya

IIC Calendar Activity [March 2024 to May 2024]

Date of Event: 26.04.2024

Time: 2:45 – 4:45 PM

EVENT REPORT

The Expert Talk was conducted on 26.4.2024, Friday, in the SIT Hall of the MCKV Institute of Engineering (MCKVIE), Liluah, with the topic being "Effect of Circular Flow of Income and Inflation on Business." Starting at 2:45 p.m. and finishing at 4:45 p.m., the session lasted for two hours. The resource persons for the Expert Talk session was Mr. Diptayan Bhattacheryya from the Department of Management Science and Humanities of MCKVIE. The event was attended by MBA students as well as B.Tech students of MCKVIE. The faculty members from MCKVIE's several departments also attended the workshop.

There were forty (40) student participants in all, and there were twenty-five (25) teacher participants.

It was a really fascinating session. Throughout the interactive session, a number of thoughtful questions were raised by the student participants. During these sessions, Mr. Diptayan Bhattacheryya, the speaker, used audio-visual aids.

The programme was executed in line with the Expert Talk's objective of IIC. It is expected that the program's outcome will broaden the knowledge base of MCKVIE's student entrepreneurs, which will benefit them.

Photographs of the Event:



Photograph #1: Mr. Diptayan Bhattacheryya delivering the lecture on “Effect of Circular Flow of Income and Inflation on Business” in SIT Hall, MCKVIE.



Photograph #2: Student participants and faculty members of MCKVIE, attending the Expert Talk session of Mr. Diptayan Bhattacheryya

Event Flyer:



Report on the Programme "Anharmonicity-The Battle of Unconventional Mind " - 9th May, 2024

The event titled "Anharmonicity-The Battle of Unconventional Mind" held on the 9th of May, 2024, was a grand celebration of innovation and entrepreneurship, bringing together a diverse group of participants to compete in a series of intellectually stimulating and creatively challenging activities. The programme consisted of four sub-events: a Mock IPL Auction, a Photography Competition, an Extempore, and a Quiz. A total of 500 participants took part in this vibrant event. The event was conducted by the 1st year students under the guidance of basic science teachers. The event was inaugurated with watering the plant by Managing Trustee. Mr. Abhay Kejriwal, followed by Principal Dr. Abhijit Lahiri & all respected dignitaries.

Sub-Events Overview

1. Mock IPL Auction

This sub-event epitomized the spirit of entrepreneurship and strategic innovation. Participants assumed the roles of franchise owners and players, engaging in a simulated IPL auction. Each team had to innovate and strategize to build their dream cricket team within a set budget. This event consisted of 2 rounds where 10 teams qualified for the 2nd round from 35 teams, each team consists of 6 members. The event was a dynamic blend of excitement and strategy. Teams demonstrated entrepreneurial skills by making calculated bids and managing resources efficiently. The competitive environment pushed participants to innovate on the fly and make strategic decisions under pressure.

2. Photography Competition

The Photography Competition encouraged participants to explore their creative sides, capturing the essence of nature, street, wildlife etc. This theme allowed photographers to exhibit their innovative perspectives and artistic entrepreneurship. Around 100 participants submitted their photographs, with each participant allowed up to two entries. The exhibition featured a wide array of images that highlighted the participants' ability to find beauty and order amidst disorder. The creativity and technical proficiency displayed were testament to the participants' innovative approach to photography.

3. Extempore:

In the Extempore event, participants were challenged to speak on various topics, showcasing their quick thinking and eloquence. This event tested participants' ability to innovate with their ideas and present them coherently in a limited timeframe.

A total of 25 participants competed in this event. The diverse range of topics, from current affairs to philosophical musings, required participants to think on their feet and present their views compellingly. The spontaneity and depth of the speeches highlighted the innovative thinking of the speakers.

4. Quiz

The Quiz event tested participants' knowledge across multiple domains, including general knowledge, science, history, and sports. The format involved a preliminary written round followed by a high-stakes on-stage final round. 254 participants formed 85 teams, each with 2 or 3 members. The quiz showcased the participants' vast knowledge and quick recall abilities. The final round was particularly intense, with teams demonstrating their innovative problem-solving skills and teamwork under pressure.

Overall Participation and Engagement:

The event saw a robust turnout with 500 participants engaging in the four sub-events. The programme's focus on innovation and entrepreneurship was evident across all activities. Each event provided a platform for participants to demonstrate their creativity, strategic thinking, and ability to innovate. The top three performers of each event are rewarded by the mementos & Certificate.

Conclusion:

"Anharmonicity-The Battle of Unconventional Mind " was a resounding success, underscoring the importance of innovation and entrepreneurship in today's competitive landscape. The event not only provided a platform for students to showcase their diverse talents but also encouraged them to think creatively and strategically. The high level of participation and the positive feedback from attendees highlighted the event's success, setting a high benchmark for future editions. The programme effectively fostered a spirit of innovation and entrepreneurial thinking among the participants, ensuring that "Anharmonicity" will be remembered as a significant and inspiring event.



Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE)

presented

One-day Workshop on Business Model Canvas (BMC) [IIC Level-2 Program]

IIC Calendar Activity [March 2024 to May 2024]

Date of Event: 17.05.2024

EVENT REPORT

The one-day workshop on Business Model Canvas (BMC) was conducted in Room No. B312 of MCKV Institute of Engineering (MCKVIE). Lilaah on 17.5.2024, Friday. The workshop was of 5 hours' duration, starting at 10:30 a.m. and ending at 4:00 p.m. with 30 minutes' lunch break. The resource persons for the workshop were Dr. Soumyajit Das, Dr. Arindam Ghosh, and Ms. Priyanka Dhar from the Department of Management Science and Humanities of MCKVIE. The participants of the event were the external and internal students. The external student participants participated from the Lalbaba College of Belur along with the students of B.Tech programs of MCKVIE. The workshop was attended by the faculty members of the various departments of MCKVIE as well.

At the onset of the workshop, the inaugural ceremony was held where Prof. (Dr.) Sanjay Kumar, the Principal of Lalbaba College, Belur, was felicitated by Mr. Abhay Kumar Kejriwal, Trustee, MCKV Group. Subsequently, Dr. Dilip Barik, the Associate Professor and HOD, Dept. of Commerce, Lalbaba College, Belur, was also felicitated by Prof. (Dr.) Parthasarathi Chakraborty, Chief Executive Officer of MCKV Group. All the respected dignitaries on dais, Prof. (Dr.) Parthasarathi Chakraborty, Prof. (Dr.) Sanjay Kumar and Dr. Dilip Barik addressed the student participants with their insightful speeches. The eminent speakers comprehensively illustrated the necessity of innovation and entrepreneurial zeal for the students to become successful professionals for the days to come.

Prof. (Dr.) Prasenjit Chatterjee, President, IIC, MCKVIE, also addressed the gathering with his resourceful speech.

After the inaugural program, the main workshop session was initiated as per the schedule. The detailed schedule of the program is as follows:

Program Schedule		
Time	Program	Guests
10:30 – 11 a.m.	Inauguration	Chief Guest: Shri K K Kejriwal, Chairman, MCKV Group Guests of Honour: i) Mr. Abhay Kumar Kejriwal, Trustee, MCKV Group ii) Prof. (Dr.) Parthasarathi Chakraborty, Chief Executive Officer, MCKV Group iii) Prof. (Dr.) Sanjay Kumar, Principal, Lalbaba College, Belur. iv) Dr. Dilip Barik, Associate Professor & HOD, Dept. of Commerce, Lalbaba College, Belur. Special Guests: i) Prof. (Dr.) Prasenjit Chatterjee, President, IIC, MCKVIE ii) Mr. Niloy Kumar Nag, Vice- President, IIC, MCKVIE iii) Dr. Joydeep Banerjee, Convenor, IIC, MCKVIE iv) Dr. Juin Ghosh Sarkar, Head, Department of Management Science and Humanities (MSH)
Time	Topic	Speakers
11 – 11:30 a.m.	Purpose of the Workshop	Dr. Soumyajit Das
11:30 a.m. – 12:30 p.m.	Marketing and Strategic Issues of Start-Ups	Dr. Soumyajit Das
12:30 – 1:45 p.m.	. Breakeven Point, Cost Analysis and Profit Distribution for Start-Ups	Ms. Priyanka Dhar
1:45 – 2:30 p.m.	Manpower Planning, Recruitment, Selection, and Human Resource Budgeting for Start-Ups	Dr. Arindam Ghosh
2:30 – 3:00 p.m.	Lunch Break	
3:00 – 4:00 p.m.	Question-Answer and Student Feedback Sessions	

The total number of student participants were 40 (forty) and the total number of faculty participants were 10 (ten).

The four sessions were quite absorbing. The student participants offered a lot of insightful questions throughout the interactive sessions. During the workshop, the participants were given pen-and-paper assignments. Audio-visual aids were used by the speakers during these sessions. The programme was carried out in accordance with the workshop's goals. It is anticipated that the program's output will benefit aspiring business owners by improving their strategic decision-making skills.

Photographs of the Event:



Photograph #1: Prof. (Dr.) Sanjay Kumar, the Principal of Lalbaba College, Belur was being felicitated by Mr. Abhay Kumar Kejriwal, Trustee, MCKV Group



Photograph #2: Dr. Dilip Barik, the Associate Professor and HOD, Dept. of Commerce, Lalbaba College, Belur, was being felicitated by Prof. (Dr.) Parthasarathi Chakraborty, CEO, MCKV Group



Photograph #3: Prof. (Dr.) Parthasarathi Chakraborty is delivering Welcome Note in the inaugural ceremony



Photograph #4: Prof. (Dr.) Sanjay Kumar was delivering his speech in the inaugural ceremony.



Photograph #5: Dr. Dilip Barik delivering his speech in the inaugural ceremony



Photograph #6: Prof. (Dr.) Prasenjit Chatterjee is addressing the student participants.



Photograph #7: Dr. Soumyajit Das is taking session on “Marketing and Strategic Issues of Start-Ups”



Photograph #8: Ms. Priyanka Dhar is delivering lecture on “Breakeven Point, Cost Analysis and Profit Distribution for Start-Ups”



Photograph #9: Dr. Arindam Ghosh is taking session on “Manpower Planning, Recruitment, Selection, and Human Resource Budgeting for Start-Ups”



Photograph #10: Student participants and Faculty and Administrative Staff Members of MCKVIE and Lalbaba College.

Event Flyer:






Workshop on Business Model Canvas (BMC)

"Learn How to Prepare Start-Up Proposals"

Organised by
**Institution's Innovation Council (IIC), MCKV
 Institute of Engineering, Liluah**

Speakers



Dr. Soumyajit Das
 Associate Professor
 Dept. of Management Science
 and Humanities (MSH)



Dr. Arindam Ghosh
 Associate Professor
 Dept. of Management Science
 and Humanities (MSH)



Ms. Priyanka Dhar
 Assistant Professor
 Dept. of Management Science
 and Humanities (MSH)



17 May, 2024
 10:30am



Venue
 B312, MCKVIE

www.mckvie.edu.in

EVENT REPORT FOR “ABHIYANTA: Inside the minds of CEOs”

EVENT NAME	ABHIYANTA: Inside the minds of CEOs
DATE OF THE EVENT / PERIOD	17th May 2024
VENUE / MEETING LINK	Malay Manch, MCKVIE Campus

EVENT REPORT

Abhiyanta was a huge success where we got to know what goes on inside the minds of successful innovative founders who've found their way into the industry through their own style. The event was organized and hosted by The StartUp Club by MCKVIE on 17th May 2024.

We were privileged to have Mr.Saaket Tharad (founder of goconnect_network, DE&I consultant & content creator) & Mr. Suraj Juneja (founder of signage kraft, free flow ventures & master mentors official) to give their insights on how to be a successful entrepreneur in the current times.

The podcast format of Abhiyanta 2024 allowed for a dynamic and conversational exchange of ideas, making the content relatable and engaging. Listeners gained practical tips and motivational insights on navigating the entrepreneurial landscape in current times. The event not only inspired but also equipped participants with actionable strategies to embark on their own entrepreneurial journeys.

We had received a huge number of responses and those who have responded, they all have shown their enthusiasm by actively participating in an extraordinary way.

- ❖ THE TOTAL NUMBER OF REGISTRATION: 481
- ❖ THE TOTAL NUMBER OF PARTICIPANTS: 280+

Event duration: 4 hours

Event Poster





MCKV Institute of Engineering

243, G.T. Road (N), Liluah, Howrah – 711204

Ph: +91 33 26549315/17 Fax +91 33 26549318 Web: www.mckvie.edu.in/



Report on “Nurturing Innovation” on 21st May & 22nd May, 2024

The “Paving the Way to Innovation” workshop, organized by the Basic Science Department of MCKV Institute of Engineering, culminated in the successful competitive event under “Nurturing Innovation” on 21st – 22nd May, 2024. This special program, dedicated to first-year students, spanned two semesters and aimed to foster original thinking and instill a problem-solving attitude, encouraging students to explore new ideas and innovatively address existing societal problems. In the second phase, a platform was provided for students to present their proposed ideas, with 108 student groups (approximately 470 students) submitting their innovative concepts. After a month-long evaluation by a panel of faculty members, 34 teams were selected to advance to the final stage of the Innovative Idea Contest.



The introductory speech delivered by Mr. Abhay Kejriwal, Trustee Member of the MCKV Group, set the stage for the competition and ignited enthusiasm among the participants. His words of encouragement motivated the students and created a palpable sense of excitement for the event. The judging panel comprised Prof. Prasenjit Chatterjee, Dean of Research; Dr. Tanmoy Roy Chowdhury; Dr. Brojendra Nath Dey; and Dr. Dipankar Ghosh. Their expertise and insights were instrumental in the evaluation of the presentations.

The final presentations showcased a diverse range of projects, including a soil testing kit with integrated AI for crop recommendations using IoT and ML, a wind energy-powered portable fan, a self-cleaning system for photovoltaic panels, an AI-supported mental health app for stress management, a self-watering system for potted plants, a multi-filter air purifier, a website for e-waste trading and recycling, an automatic horn at turnings, a green polymeric flame retardant material, an app to connect players with their preferred sports groups, and an interactive humanoid robot.



The event successfully fostered a culture of innovation and participants gained valuable experience in presenting their ideas and receiving feedback from the judges. The winners will be honored with awards and certificates from the institute during the next Induction Programme, further motivating them and promoting a culture of innovation within the student community.

(Mr. Milan Chakraborty)
Event Coordinator

(Dr. Abhijit Pramanik)
Convener

(Dr. Dipankar Ghosh)
HOD, Basic Science

Event:- Session on Prototype /process Design and Development

About the session: Institution Innovation Council IIC, MCKVIE organized a session on Prototype /process Design and Development Workshop on 22/05/24 at 10:00 am. The speaker Mr. Sumit Majumdar, Assistant professor of CSE department of MCKV Institute of Engineering has discussed about the knowledge and skills to successfully design, prototype, and refine products, systems, or services in various domains.

Objectives of the session:

The objective of a session on prototyping, process design, and development is to provide participants with a comprehensive understanding of the key concepts, methodologies, and best practices involved in creating prototypes and developing efficient processes. The session aims to equip participants with the necessary knowledge and skills to successfully design, prototype, and refine products, systems, or services in various domains.

Benefit in terms of Learning/ Skill/ Knowledge obtained:

1. Understanding the importance of prototyping and its role in the product development lifecycle.
2. Exploring different types of prototypes, such as physical, digital, and interactive prototypes, and their respective uses.
3. Learning techniques for effective ideation and conceptualization to generate innovative ideas for prototypes.
4. Gaining insights into user-centered design principles and techniques to create prototypes that meet user needs and expectations.
5. Understanding the iterative nature of prototyping and learning how to conduct iterative design cycles for continuous improvement.
6. Familiarizing participants with tools and technologies used for prototyping, such as 3D printing, computer-aided design (CAD), and rapid prototyping software.
7. Understanding the importance of cross-functional collaboration and effective communication in the prototyping and process development phases.
8. Providing practical examples and case studies to illustrate successful prototyping and process design projects in different industries.

Number of Participants:

Faculty Members: 6

Students: 48

Event Coordinator:

Ms. Moumita Goswami, Assistant Professor, Department of Computer Science and Engineering, MCKVIE

Social Media Links:

- **Instagram link:**

<https://www.instagram.com/p/C7M0oHSSUKI/?igsh=cHBrbnA4ZWlzam5q>





Report Brainrush 2k24

The Department of Computer Science and Engineering, in collaboration with IIC, MCKVIE, successfully organized BrainRush 2K24 on 24th May 2024. This year, the event was infused with a Marvel-ous twist, celebrating the theme "Heroes of Intellect, Defenders of Innovation." The event witnessed enthusiastic participation and was a testament to the creativity and competitive spirit of the students.



Inauguration Ceremony :



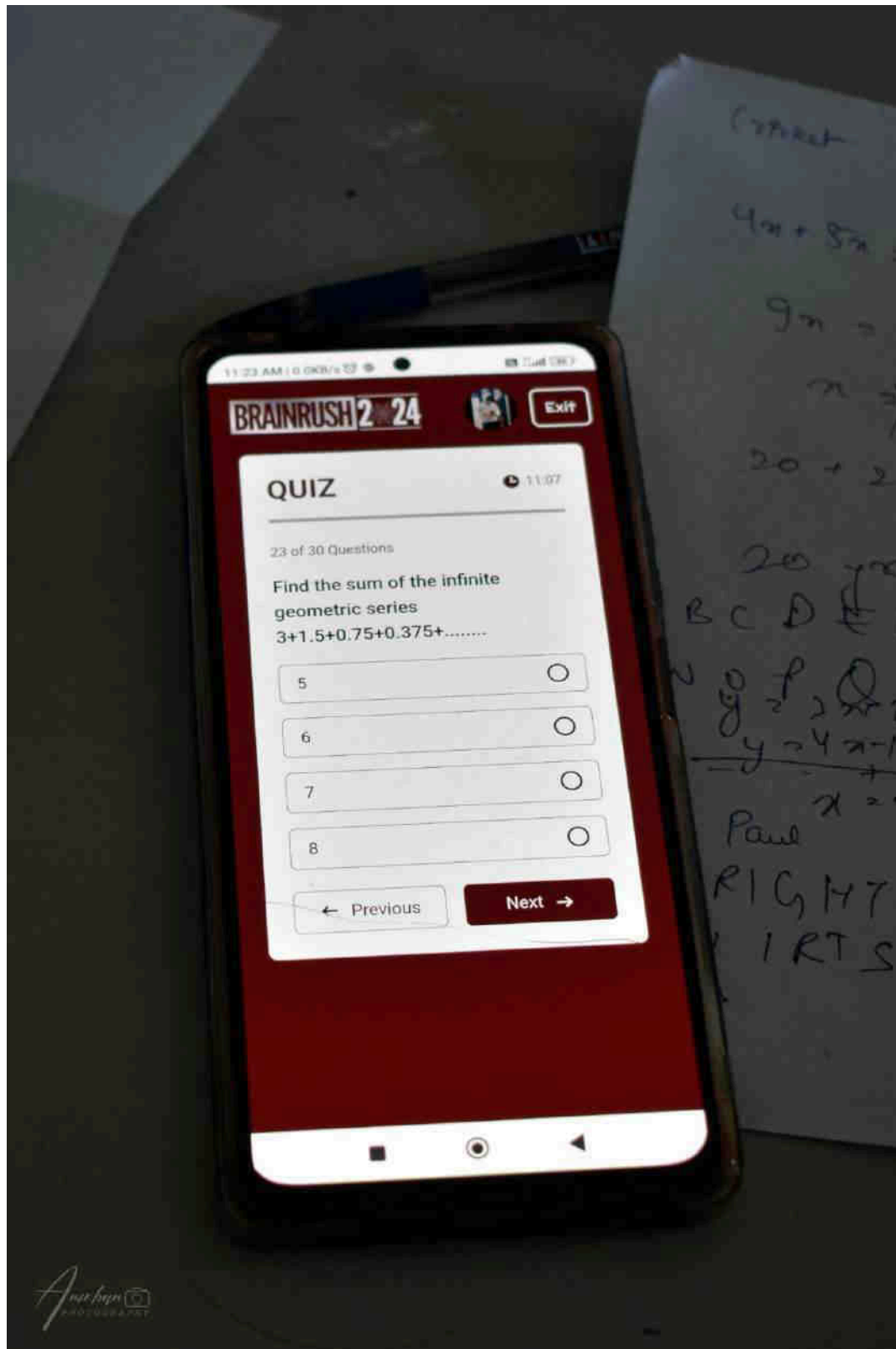


Event Overview

BrainRush 2K24 comprised three exhilarating rounds:

- 1. Avengers Assemble:** The participants' inquisitiveness and sharpness were tested in this unconventional aptitude round.
- 2. Civil War:** A 1v1 round that emphasized teamwork and presence of mind.

3. End Game: A surprise round with undisclosed rules, adding an element of mystery and excitement to the competition.







Participation and Highlights

The event saw robust participation from students across different departments and years with 150+ students. Each team consisted of three members, and the collaboration and camaraderie among the participants were commendable. Every participant received a certificate of participation, and Round 1 qualifiers were treated to a flavor-packed lunch.

In addition to the competitive rounds, the event also provided an excellent networking opportunity for students, fostering a sense of community and collaboration.

Winners

- First Place: Team SNI()
- Second Place: Team So Called Engineers-2
- Third Place: Team The Avengers

The winners were awarded prizes and certificates, recognizing their exceptional performance and dedication.



Sponsors and Acknowledgments

The event was sponsored by Globsyn Business School and Froyo Technologies. Their contributions played a crucial role in the success of BrainRush 2K24.

Conclusion

BrainRush 2K24 was a resounding success, thanks to the collective efforts of the organizing team, participants, and sponsors. The event not only highlighted the intellectual capabilities of the students but also fostered a spirit of innovation and creativity. We look forward to continuing this tradition of excellence in the coming years.

World Environment Day

Risers Club of MCKVIE in collaboration with Institution Innovation Council MCKVIE and NSS organized a seminar on world environment day on 5th June, 2024. The speaker Sasmita S. Choudhury discussed about various treats that environment is facing toady such as Global-Warming, Ozone-Layer Depletion, Polymeric Waste, E-Waste, Pollution and many more important topics. The seminar also covered the Subjects like Ways to Protect our Nature and Promote sustainable Development. There are 45 students and some staff members were present.





Report of IIC-NISP activity initiative taken under the aegis of IIC

MCKV Institute of Engineering

Overall Report of the Industrial Visit “Innovation in Motion”



1. Introduction

- **Duration:** 15 Days (from 15/07/2024 to 31/07/2024)
- **Location:** VECV Ltd., Indore
- **Organized by:** Automobile Engineering Department
- **Participants:** 30
- **Objective:** To provide in-depth exposure to the operations, manufacturing processes, and management practices at VECV Ltd., equipping participants with practical industry knowledge and skills relevant to the commercial vehicle sector.

2. About VECV Ltd.

- **Company Overview:** VE Commercial Vehicles Ltd. (VECV) is a joint venture between the Volvo Group and Eicher Motors Limited, specializing in the manufacturing of commercial vehicles such as trucks and buses. The company is known for its emphasis on innovation, quality, and sustainability.
- **Pithampore Facility Overview:** The Pithampore plant is a major manufacturing hub for VECV, featuring advanced production lines, engine manufacturing units, and comprehensive quality control systems.

3. Itinerary and Activities

- **Day 1: Orientation and Introduction**
 - **Welcome Session:** Introduction to VECV’s history, mission, and values.
 - **Safety Briefing:** Detailed safety protocols to be followed during the visit.

- **Day 2-5: Assembly Line Operations**
 - **Vehicle Assembly Process:** Step-by-step observation of the commercial vehicle assembly process.
 - **Hands-On Experience:** Participants assisted in specific tasks under supervision to gain practical insights.
- **Day 6-8: Engine Manufacturing and Testing**
 - **Engine Manufacturing:** Detailed exploration of the engine assembly line, including components, assembly techniques, and testing procedures.
 - **Engine Testing:** Understanding the testing protocols for engine performance, durability, and emissions.
- **Day 9-10: Quality Control and Assurance**
 - **Quality Control Techniques:** In-depth exposure to quality control measures across various production stages.
 - **Lean Manufacturing Principles:** Introduction to lean manufacturing practices and their application at VECV.
- **Day 11-12: Supply Chain and Logistics**
 - **Supply Chain Management:** Overview of the supply chain processes, from raw material procurement to final product delivery.
 - **Logistics Operations:** Observing the logistics involved in transporting and distributing vehicles.
- **Day 13: R&D and Innovation**
 - **R&D Initiatives:** Insight into VECV's research and development efforts, focusing on innovation in vehicle design, fuel efficiency, and new technologies.
- **Day 14: Environmental and Safety Practices**
 - **Sustainability Practices:** Understanding the environmental initiatives at VECV, including waste management and energy conservation.
 - **Workplace Safety:** Observing the safety measures implemented to ensure a safe working environment.
- **Day 15: Wrap-Up and Feedback**
 - **Interactive Session:** Q&A session with senior management and engineers, addressing participants' queries.
 - **Feedback Session:** Collection of participant feedback on the visit experience.
 - **Closing Ceremony:** Distribution of certificates and a group photo session.

4. Learning Outcomes

- **Comprehensive Industry Knowledge:** Participants gained a thorough understanding of the commercial vehicle manufacturing industry, including the complete production lifecycle from raw materials to finished vehicles.
- **Technical Skills:** Enhanced technical skills through hands-on experience in vehicle assembly, engine manufacturing, and quality control.
- **Process Improvement Techniques:** Exposure to lean manufacturing and continuous improvement practices that are critical for enhancing productivity and reducing waste.
- **Supply Chain Insights:** Understanding the complexities of supply chain management and logistics in a large-scale manufacturing operation.
- **Innovation and R&D:** Knowledge of the latest trends and innovations in the commercial vehicle industry, particularly in areas of fuel efficiency and emission control.
- **Environmental and Safety Awareness:** Increased awareness of the importance of sustainability and workplace safety in industrial settings.

5. Participant Feedback

- **Positive Aspects:**
 - The 15-day duration allowed for in-depth exploration of various aspects of VECV's operations, providing a holistic understanding of the company's processes.
 - Hands-on experience was highly appreciated, with participants valuing the opportunity to engage directly with the manufacturing process.
 - The interactive sessions with VECV professionals were informative and provided practical career advice.

6. Challenges Faced

- **Adaptation to Industrial Environment:** Some participants initially found it challenging to adapt to the rigorous industrial environment, but this improved over time with guidance from the VECV team.

7. Conclusion

- **Overall Impact:** The 15-day industrial visit to VECV Ltd. was a significant success, providing participants with invaluable practical experience and a deep understanding of the commercial vehicle industry. The visit effectively bridged the gap between theoretical knowledge and real-world application, equipping participants with the skills and insights necessary for their future careers.
- **Future Prospects:** The visit has opened doors for potential internships and future collaboration between the institution and VECV Ltd. Based on the positive outcomes, similar extended visits are recommended for future batches, with the possibility of incorporating specialized workshops or seminars.

Gallery





INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2023-2024
Program driven by	MIC Driven Activity
Quarter	Four
Activity Name	Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	29.07.2024
Program Ending Date	29.07.2024
Number of Students Participants	00
Number of Faculty Participants	50
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Online
Objectives	To motivate the IIC members to participate actively as Innovation Ambassadors (IA)
Benefits in terms of learning/skill/knowledge development	It is a motivational session that inspires the IIC Members of AICTE approved institutions to inculcate themselves in IA scheme.
Program Coordinator	Dr. Abhijit Pramanik SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02vkoEb6ZvmgE6DtbLnifuGUvWfaLoVcdMHXBhf14MsBg8qwMcTfPAeSBLJHuENABWl/ ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1816117598947258431?t=RWZRwjytOxwlrQ4nP1NIA&s=19 iii) <u>Instagram</u> : https://www.instagram.com/p/C9zvw1JyhUv/?igsh=YWhuNzJzbnMybmFx&img_index=1



Overall Report of the Activity

Date & Time: 29.07.2024 & 11:00 AM onwards

Speaker: Mr. Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell AICTE HQ, Nelson Mandela Road, Vasant Kunj, New Delhi 110070

Topic: Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs

Key Learning:

- Steps in Innovation Ambassador (IA) scheme
- Rewarding Mechanics for IAs
- Roles of IIC Members as IAs

During the speech of Mr. Dipan Sahu, Assistant Innovation Director, MIC, he has clearly described the role of an IIC member of an AICTE approved institution as Innovation Ambassador (IA). He has encouraged the participants of IIC institutes to perform as the mentor in their respective IICs and also provide the support to the other IIC institutions as resource person. The IAs should also spread the message of innovation & start-up among the students & the faculties. There are four different levels for IAs, namely, Basic Level, Advanced Level, Re-skilling & Up-skilling, in which one IA can only move to the next level if the previous level is cleared. An for all these four levels, nomination is required only for the Basic Level.

The Roles and Responsibilities of Innovation Ambassadors are as follows:

1. Mentorship: Innovation Ambassadors act as mentors within their respective Institutional Innovation Councils (IICs). They guide students and faculty in innovation and startup initiatives, providing essential support and direction.

2. Idea Evaluation: They evaluate ideas submitted to the YUKTI Innovation Repository. This evaluation process is crucial for nominating ideas to the YUKTI Innovation Challenge, organized by the Ministry of Education's Innovation Cell (MIC) and AICTE.

3. Ecosystem Strengthening: A key responsibility is to strengthen the grassroots innovation ecosystem within Higher Educational Institutions. This role involves cultivating a culture of innovation and entrepreneurship at a foundational level, promoting sustainable growth in these areas.

4. Support Role: Innovation Ambassadors support other IICs and Atal Tinkering Labs (ATLs) by acting as resource persons. They help organize innovation and startup programs and spread the message of innovation across institutions.

5. Awareness Creation: They complete prescribed activities aimed at creating awareness and fostering an entrepreneurial mindset among students and faculty. This involves regular engagement and initiative to keep the innovation culture vibrant.

6. Recognition and Engagement: Post-training, proactive engagement is encouraged, and Innovation Ambassadors receive a token of recognition at the institute and IIC levels for their efforts and contributions.

Finally, Ms. Selvarani, Innovation Officer, MIC has shown the detailed steps of IA portal, steps to change the institute, report uploading process and the list of zonal coordinators.



Banner of the Event

The banner features a central text area with logos at the top: MoE's Innovation Cell, Institution's Innovation Council, and IIC MCKVIE. The text reads: "MIC DRIVEN ACTIVITY: Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs". Below this is a photo of the speaker, Mr. Dipan Sahu, Assistant Innovation Director, MoE's Innovation Cell. The event details are: DATE: 29th JULY 2024, MONDAY; TIME: 11:00 a.m onwards; VENUE: SIT HALL, MCKVIE. Contact information for Dr. Abhijit Pramanik is provided at the bottom. The banner is decorated with colorful geometric shapes and illustrations of books and pencils.

Institution's Innovation Council, MCKVIE presents
MIC DRIVEN ACTIVITY: Guiding Framework for Creating and Engaging Trained Faculty and Student IIC Members Innovation Ambassadors (IA) in IIC Institutions and Rewarding Mechanisms for IAs

Speaker :-
Mr. Dipan Sahu
Assistant Innovation Director,
MoE's Innovation Cell

DATE : 29th JULY 2024, MONDAY
TIME : 11:00 a.m onwards
VENUE: SIT HALL, MCKVIE

Contact: Dr. Abhijit Pramanik
SPOC, MIC Driven Activity, IIC MCKVIE
Mob: 9534080407

f@IICMCKVIE @IICMCKVIE @IICMCKVIE

Photographs of the Event









INSTITUTION'S INNOVATION COUNCIL (IIC) MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2023-2024
Program driven by	MIC Driven Activity
Quarter	Four
Activity Name	Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	31.07.2024
Program Ending Date	31.07.2024
Number of Students Participants	00
Number of Faculty Participants	45
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Online
Objectives	To enhance collaboration between IICs, ATLs, and SICs, and establish a framework for effective mentorship.
Benefits in terms of learning/skill/knowledge development	This strengthens mentorship skills, enhances collaboration between IICs, ATLs, and SICs, and fosters innovation, entrepreneurship, and guidance frameworks in schools.
Program Coordinator	Dr. Abhijit Pramanik SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02vkoEb6ZvmgE6DtbLnifuGUvWfaLoVcdMHXBhf14MsBg8qwMcTfPAeSBLJHuENABWl/ ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1816117598947258431?t=RWZRwjytOxwlrQ4nP1NIA&s=19 iii) <u>Instagram</u> : https://www.instagram.com/p/C9zvw1JyhUv/?igsh=YWhuNzJzbNMybmFx&img_index=1



Overall Report of the Activity	
Date & Time: 31.07.2024 & 11:00 AM onwards	
Speaker: Mr. Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell AICTE HQ, Nelson Mandela Road, Vasant Kunj, New Delhi 110070	
Topic: Strengthening IIC Linkages with ATLs and SICs in Schools and Framework for providing Mentorship Guidance	
Key Learning: • Salient features of ATL-IIC Mentorship Linkage Program • Steps of ATL-IIC mentorship process • Managing and scheduling activities through IIC portal	
The AICTE, Ministry of Education Innovation Cell, and Atal Innovation Mission have collaborated to provide mentoring support to ATLs through the IICs in Higher Education Institutions. This initiative aims to nurture future innovators by enhancing the innovation capabilities of schools, engaging students and teachers in innovation and entrepreneurship activities. The ATL-IIC Mentorship Linkage Program highlights key features such as a dual-way search, select, and invite system for IICs and ATLs. It includes options to manage non-responsive parties, supports mentors with Innovation Ambassadors, and inducts ATL coordinators into the IIC's 'My Council.' The program also offers login-based mentoring solutions, encourages participation in entrepreneurship activities, and provides extended support for building YUKTI Innovation Repositories in schools. The program links 10,000 ATLs with 10,172 School Innovation Councils. Prescribed mentoring activities include orientation sessions, mentor-mentee meetings, exposure visits, guidance and mentorship, challenges and competitions, as well as trainings and bootcamps. These activities aim to enhance innovation capabilities in schools by fostering a strong mentorship network, thereby encouraging students to engage in innovation and entrepreneurship. The ATL-IIC mentorship process involves five key steps. First, IICs select up to three ATL Tinkering Labs to mentor. Second, a coordinator is assigned to each selected school to oversee the mentorship. Third, Innovation Ambassadors (IAs) are enrolled as Mentors of Change (MoCs) to guide the ATLs. Fourth, the details of the ATL coordinators are made accessible for each school. Finally, activities are scheduled, and participation reports are submitted and reviewed to track progress. This structured approach ensures effective mentorship and collaboration between IICs and ATLs. Finally, Mr. Abhishek Ranjan Kumar, Innovation Officer, MIC has displayed the step by step methods for mapping ATLs with IIC, nominating ATL coordinator, managing and scheduling activities through IIC portal, weightage in IIC annual performance for working with the ATLs.	



Banner of the Event



Photographs of the Event





Google

Howrah, West Bengal, India

243, Grand Trunk Rd, Liluah, Howrah, West Bengal 711204, India

Lat 22.619781°

Long 88.34799°

31/07/24 11:40 AM GMT +05:30

GPS Map Camera



 GPS Map Camera



Howrah, West Bengal, India
243, Grand Trunk Rd, Liluah, Howrah, West Bengal 711204, India
Lat 22.619742°
Long 88.347769°
31/07/24 11:39 AM GMT +05:30



INSTITUTION'S INNOVATION COUNCIL (IIC) MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2023-2024
Program driven by	MIC Driven Activity
Quarter	Four
Activity Name	Building the Pipeline of Quality Innovations and Start-ups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR)
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	02.08.2024
Program Ending Date	02.08.2024
Number of Students Participants	00
Number of Faculty Participants	48
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Online
Objectives	To create and manage a repository that fosters innovation and startups in HEIs, enhancing the ecosystem with quality support and IPR management.
Benefits in terms of learning/skill/knowledge development	The initiative enhances innovation in HEIs by building a repository of quality innovations and start-ups, fostering IP awareness, and connecting students with ecosystem enablers for skill and knowledge growth.
Program Coordinator	Dr. Abhijit Pramanik SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02vkoEb6ZvmgE6DtbLnifuGUvWfaLoVcdMHXBhf14MsBg8qwMcTfPAeSBLJHuENABW/ ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1816117598947258431?t=RWRZrwjytOxwlrQ4nP1NIA&s=19 iii) <u>Instagram</u> : https://www.instagram.com/p/C9zvw1JyhUv/?igsh=YWhuNzJzbnMybmFx&img_index=1



Overall Report of the Activity	
Date & Time:	02.08.2024 & 11:00 AM onwards
Speaker:	Mr. Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell AICTE HQ, Nelson Mandela Road, Vasant Kunj, New Delhi 110070
Topic:	Building the Pipeline of Quality Innovations and Start-ups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR)
Key Learning:	• Creating and Managing YUKTI Innovation and IPR Repository (YIIR) • Stakeholders of YIIR • Features of YUKTI & how it works • Flow chart of YUKTI portal
Faculty of the Institution Innovation Council of MCKV Institute of Engineering attended the MIC Driven Activity on “Building the Pipeline of Quality Innovations and Startups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPR Repository (YIIR)”, a session by Mr. Dipan Kumar Sahu on 2nd August, 2024. During the session, the speaker discussed the importance of an institutional innovation repository, YUKTI, for higher education institutions (HEIs) to address challenges in identifying and nurturing high-quality innovations and startups. YUKTI is a centralized platform that functions as an innovation repository, networking tool, and resource access platform. Institutions can participate by enriching the repository with ideas and providing mentoring, funding, and resources to innovators. Eligible individuals, including academicians, faculty members, students, and alumni, can register and benefit from increased visibility, resources, and funding opportunities. The verification process ensures the quality and validity of innovations, and innovators can edit and upgrade their submissions. YUKTI has already supported over 2,100 startups and is developing standard operating procedures for innovation entrepreneurship.	



Banner of the Event

The banner features logos for IIC MCKVIE, Institution's Innovation Council, MoE's Innovation Cell, and the 75 Azadi Ka Amrit Mahotsav. The text reads: 'Institution's Innovation Council, MCKVIE presents MIC DRIVEN ACTIVITY: Building the Pipeline of Quality innovations and Start-ups in HEIs with Ecosystem Enablers by Creating and Managing YUKTI Innovation and IPN Repository (YINR)'. The speaker is Mr. Dipan Sahu, Assistant Innovation Director, MoE's Innovation Cell. The event is on 2nd August 2024, Friday, at 11:00 am onwards at SIT HALL, MCKVIE. Contact: Dr. Abhijit Pramanik, SPOC, MIC Driven Activity, IIC MCKVIE, Mob: 9534080407. Social media handles for IIC MCKVIE are also listed.

Photographs of the Event





 **GPS Map Camera**

Google

Howrah, West Bengal, India
243, Grand Trunk Rd, Liluah, Howrah, West Bengal 711204, India
Lat 22.619743°
Long 88.347774°
02/08/24 11:30 AM GMT +05:30



INSTITUTION'S INNOVATION COUNCIL (IIC) MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2023-2024
Program driven by	MIC Driven Activity
Quarter	Four
Activity Name	Orientation cum Refreshers' Session on Institution's Innovation Council Objectives, Structure, Operation for IIC Institutions
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	05.08.2024
Program Ending Date	05.08.2024
Number of Students Participants	00
Number of Faculty Participants	44
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Online
Objectives	To guide IIC institutions on the council's goals, structure, and operations, ensuring effective innovation
Benefits in terms of learning/skill/knowledge development	The session enhances understanding of IIC objectives, boosts innovation management skills, and updates participants on best practices for fostering innovation within institutions.
Program Coordinator	Dr. Abhijit Pramanik SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02vkoEb6ZvmgE6DtbLnifuGUvWfaLoVcdMHXBhf14MsBg8qwMcTfPAeSBLJHuENABWl/ ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1816117598947258431?t=RWRZrwjytOxwlrQ4nP1NIA&s=19 iii) <u>Instagram</u> : https://www.instagram.com/p/C9zvw1JyhUv/?igsh=YWhuNzJzbnMybmFx&img_index=1



Overall Report of the Activity	
Date & Time:	05.08.2024 & 11:00 AM onwards
Speaker:	Mr. Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell AICTE HQ, Nelson Mandela Road, Vasant Kunj, New Delhi 110070
Topic:	Orientation cum Refreshers' Session on Institution's Innovation Council Objectives, Structure, Operation for IIC Institutions
Key Learning:	• National Education Policy • Indian Innovation Ecosystem • New features of IIC 6.0 portal • YUKTI
During the session Mr. Dipan Sahu discussed the Institutional Innovation Council (IIC), which was initiated by the Ministry of Education in 2018 to help educational institutions streamline and strengthen their innovation and startup ecosystems. He said that the IIC aims to have at least 50% of total institutions in India function effectively by 2027, making them central to the national innovation ecosystem. He discussed the current statistics regarding the Indian Innovation Ecosystem, National Education Policy 2020 and methods of institutionalizing innovation and entrepreneurship ecosystems in Higher Educational Institutions. The speaker emphasized the importance of research, innovation, and entrepreneurship in India's education system and the challenges faced by institutions in promoting these areas. He then explained the functioning of the Council. The IIC Network was started to address these challenges and provide a framework for institutions to improve their innovation and entrepreneurship efforts. The council focuses on six pillars: system development, leadership, structure, cultural development, and strategy. The IIC is a crucial component in measuring institutional performance and provides opportunities for students and faculty to engage with industry partners and resources. The council also offers incentives, rewards, and recognition for selected innovations. The IIC portal offers various subprograms, such as Mentor Mentee Impact Lecture, and innovation entrepreneurship-related learning courses. The council is managed through a decentralized and participatory governance system, with institutions categorized based on their type and location. The speaker also discussed the registration process for new higher education institutions and the benefits of the IIC platform, including expert sessions, pre-incubation and incubation management, and mentor and impact lecture schemes. Mr. Sahu, said IIC 6.0 registration and participants guidelines, Introduction to new features of IIC 6.0 portal and how to use it, Catch a glimpse of various programmes and schemes of IIC institutions and Incentives and measurement of performance IIC institution's effort. During the session, the speaker also discussed the importance of an institutional innovation repository, YUKTI, for higher education institutions (HEIs) to address challenges in identifying and nurturing high-quality innovations and startups. YUKTI is a centralized platform that functions as an innovation repository, networking tool, and resource access platform. Institutions can participate by enriching the repository with ideas and providing mentoring, funding, and resources to innovators. Eligible individuals, including academicians, faculty members, students, and alumni, can register and benefit from increased visibility, resources, and funding opportunities.	



Banner of the Event



Photographs of the Event





HC Calendar Driven - Level of Activity

Quarter 1

Activity	Mode of Execution	Level
1. Planning & Implementation of the HC Calendar	Office Based	1
2. Planning & Implementation of the HC Calendar	Office Based	2
3. Planning & Implementation of the HC Calendar	Office Based	3
4. Planning & Implementation of the HC Calendar	Office Based	4
5. Planning & Implementation of the HC Calendar	Office Based	5
6. Planning & Implementation of the HC Calendar	Office Based	6

Quarter 2

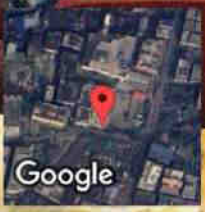
Activity	Mode of Execution	Level
1. Planning & Implementation of the HC Calendar	Office Based	1
2. Planning & Implementation of the HC Calendar	Office Based	2
3. Planning & Implementation of the HC Calendar	Office Based	3
4. Planning & Implementation of the HC Calendar	Office Based	4
5. Planning & Implementation of the HC Calendar	Office Based	5
6. Planning & Implementation of the HC Calendar	Office Based	6

GPS Map Camera

Howrah, West Bengal, India
 SHREE AGRASAIN SEVA SAMITY, AGRASAIN BALIKA SIKSHA SADAN, Liluah, Howrah, West Bengal 711204, India
 Lat 22.619996°
 Long 88.347405°
 05/08/24 11:39 AM GMT +05:30



 GPS Map Camera



Howrah, West Bengal, India
243, Grand Trunk Rd, Liluah, Howrah, West Bengal 711204, India
Lat 22.619746°
Long 88.347769°
05/08/24 11:38 AM GMT +05:30

KODIKAS 24 – 2-DAYS WORKSHOP on “AI for Industry 4.0”

The department of Computer Science and Engineering had successfully organized **KODIKAS 24 a 2-DAYS WORKSHOP on “AI for Industry 4.0”** in collaboration with IIC-MCKVIE and Globsyn Technology Limited on 12th August and 14th August 2024. Mr. Asok Gupta, Industry Expert from Globsyn Technology Ltd. was the resource person. Mr. Gupta has been working in software industry for many years and currently provides AI related consulting services and technical solutions to industries.



MCKV INSTITUTE OF ENGINEERING

NAAC Accredited "A" Grade Autonomous Institute under UGC
Act,1956 Approved by AICTE and Affiliated to MAKAUT,WB

INSTITUTION'S INNOVATION COUNCIL OF MCKVIE

Presents a session on

Speaker

Mr. Asok Gupta
Technical Industry Expert,
Globsyn Technology Ltd.

KODIKAS²⁴

2-days Workshop on
“AI for Industry 4.0”

Starting on

 12 AUGUST, 2024, 10:00 AM
 CSE-DEPT, MCKVIE

The objective of the workshop is to provide students the idea of design thinking, where they can identify a real-world problem and provided the solution of the identified problems. The workshop provided a hands-on experience on how AI and available AI tools can help the students to realize their solutions, built a product from the concept and how the automate testing and improvement of the product. The workshop concluded by showing the effect of automation in different stages of product development such as production, quality assurance and distribution in modern industries.

The workshop was completely free of cost and a total of 45 final year students of different programmes had attended the workshop. Also 6 faculty members of the institute had also attended the same.

Few glimpses of the workshop:



Report of Workshop on “5 Day Workshop on application of ETAP for Analysis of Power System Network”

The EE department in association with IET UK Kolkata Local Network has organized 5 days workshop on “Application of ETAP for Analysis of Power System Network” during 20th August, 2024 to 24th August, 2024. 49 students enrolled for this workshop.

The objective of the workshop is to provide participants with in-depth knowledge and hands-on experience using ETAP software for comprehensive power system analysis. The workshop aims to enhance skills in modeling, simulation, and optimization of power systems. It will also cover innovative features and real-world applications, enabling participants to effectively analyze the innovation in power system performance.

After the completion of the workshop the students will be able to do

- Motor Modeling
- Transient Analysis (e.g. Transformer and Motor)
- Power System Grounding
- Harmonics Studies
- Protection and Co-ordination (Relay Co-ordination)
- Emerging Trends & its Opportunities in Smart Grid Implementation
- Power System Communication
- Signal Processing Techniques for Condition Monitoring of Power Equipment using Transient Programming based models
- Power Quality Study & Assessment
- Voltage Drop and Imbalance (Unbalance) Study and Analysis, in ETAP latest software

Some Snapshots of the event has been given below:-







**Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE)
organised**

Expert Session for Mentorship Support

IIC Calendar Activity [June 2024 to August 2024]

Date of Event: 20.08.2024

EVENT REPORT

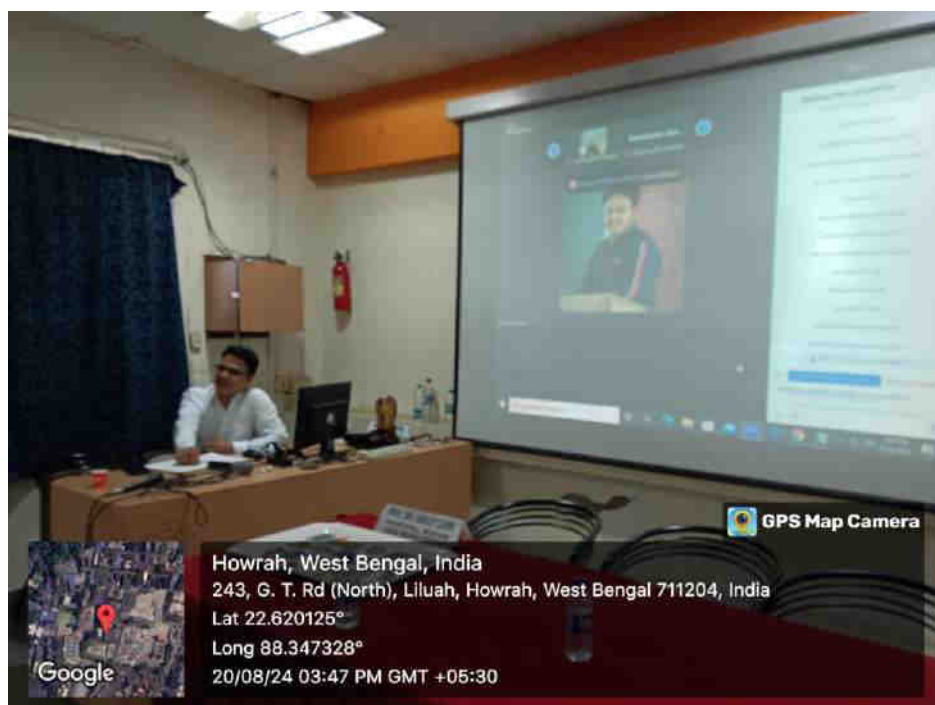
The “Expert Session for Mentorship Support” was organised in Room No. B312 of MCKV Institute of Engineering (MCKVIE), Liluah on 20.8.2024, Tuesday. The mentorship session was of 2 hours’ duration, starting at 3 p.m. and ending at 5 p.m. The participants of the Inter-Institutional Business Plan Competition, which was held on the same day from 10 a.m. to 3 p.m. were invited to attend the session. The participating students were from various colleges of India e.g. Christ University, Bengaluru, Scottish Church College, Kolkata; Army Institute of Management, Kolkata; Future Institute of Engineering and Management, Kolkata; Adamas University, Barasat; Eastern Institute For Integrated Learning In Management (EIILM), Kolkata, and Supreme Institute of Management and Technology, Mankundu, Hooghly; as well as the host college - MCKV Institute of Engineering (MCKVIE), Liluah, Howrah. No separate registration fee was there for this session.

The total number of participants was 83 with 49 external participants and 34 participants from MCKVIE.

Mr. Subir Roy, Entrepreneurship Expert, Entrepreneurship Development Institute of India (EDII) and Business Analyst, SIDBI Cluster Development Fund was the Guest of Honour of the program. Mr. Roy addressed the participants and shared his gap analysis reports of the contested business plans. The session was highly interactive and Mr. Roy interacted with each and every participating team regarding the merits and gaps of the business plans and the best possible ways to fill those gaps.

The session was conducted in hybrid mode where both online and offline participants could participate. All the participants were highly motivated after the session to take their business plans forward for implementation.

Photographs of the Event:



Photographs: Mr. Subir Roy, Entrepreneurship Expert, was conducting the Expert Session for Mentorship Support in Hybrid Mode

Event Flyer:



The flyer is for an event organized by the Institution's Innovation Council (IIC) of MCKV Institute of Engineering. It features a dark blue background with orange accents. At the top left is the IIC logo, and at the top right is the MCKV 25th anniversary logo. The main title 'EXPERT SESSION FOR MENTORSHIP SUPPORT' is in large orange letters. Below it, a circular portrait of Mr. Subir Roy is shown, with his name and title 'Mentor' underneath. To the right of the portrait, the event details are listed: 'Mode: Hybrid', 'Tuesday 20 August, 2024', 'Time 03:00pm - 05:00pm', and 'Venue Room B312, MCKV Institute of Engineering, Liluah, Howrah'.

INSTITUTION'S INNOVATION COUNCIL (IIC)
OF MCKV INSTITUTE OF ENGINEERING
Organises

EXPERT SESSION FOR MENTORSHIP SUPPORT

Mr. Subir Roy
Mentor

Mode: Hybrid

Tuesday
20 August, 2024

Time
03:00pm - 05:00pm

Venue
Room B312, MCKV Institute of Engineering, Liluah, Howrah



**Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE)
*organised***

Inter-Institutional Business Plan Competition

IIC Calendar Activity [June 2024 to August 2024]

Date of Event: 20.08.2024

EVENT REPORT

The “Inter-Institutional Business Plan Competition” was organised in Room No. B312 and C405 of MCKV Institute of Engineering (MCKVIE). Liluah on 20.8.2024, Tuesday. The competition was of 5 hours’ duration, starting at 10 a.m. and ending at 3 p.m. The participating students were from various colleges of India e.g. Christ University, Bengaluru; Scottish Church College, Kolkata; Army Institute of Management, Kolkata; Future Institute of Engineering and Management, Kolkata; Adamas University, Barasat; Eastern Institute For Integrated Learning In Management (EILM), Kolkata, and Supreme Institute of Management and Technology, Mankundu, Hooghly; as well as the host college - MCKV Institute of Engineering (MCKVIE), Liluah, Howrah. The participation was based on online registration process with a nominal registration fee of Rs.200/- only per student participant.

The total number of participants was 83 with 49 external participants and 34 participants from MCKVIE. Total number of participating teams was 25 with 16 external teams and 9 internal teams. The minimum number of participants for a team was 2 and the maximum number was 4. The competition was conducted in parallel hybrid sessions in room numbers B312 (seminar hall) and C405 of MCKVIE. The number of online participating teams was 13 and offline participating teams was 12.

Mr. Subir Roy, Entrepreneurship Expert, Entrepreneurship Development Institute of India (EDII) and Business Analyst, SIDBI Cluster Development Fund was the Guest of Honour of the program. Mr. Roy was one of the members of the Jury of the Business Plan Competition. In a short but captivating inaugural program, Mr. Roy was felicitated by Prof. (Dr.) Parthasarathi Chakraborty, Chief Executive Officer, MCKV Group of Institutions and Prof. (Dr.) Abhijit Lahiri, Principal, MCKV Institute of Engineering.



A Glimpse of the Inaugural Program

After the inaugural program, the competition was initiated as per the schedule. The detailed schedule of the program is as follows:

Program Schedule		
Venue: Room B312 (Inaugural Session)		
Time	Title of the Program	Honourable Dignitaries
10:00 a.m. – 10:30 a.m.	Inauguration	i) Shri K. K. Kejriwal, Chairman, MCKV Group of Institutions ii) Shri <i>Abhay Kumar Kejriwal</i> , Managing Trustee, MCKV Group of Institutions iii) Prof. (Dr.) Parthasarathi Chakraborty, Chief Executive Officer, MCKV Group of Institutions iv) Prof. (Dr.) Abhijit Lahiri, Principal, MCKV Institute of Engineering v) Mr. Subir Roy, Entrepreneurship Expert, Entrepreneurship Development Institute of India (EDII) and Business Analyst, SIDBI Cluster Development Fund vi) Prof. (Dr.) Prasenjit Chatterjee, President, IIC, MCKV Institute of Engineering

Venue: Room B312 (Business Plan Presentation Session)				
Sl.	Time	Team Name	College/University	Mode of Presentation
1	10:35 – 10:50 a.m.	Team BRAT	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
2	10:55 – 11:10 a.m.	Endeavors	Adamas University, Kolkata, and Future Institute of Engineering and Management, Kolkata	Offline
3	11:15 – 11:30 a.m.	Pitchers	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
4	11:35 – 11:50 a.m.	Fox Nut Global Venture	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
5	11:55 a.m. – 12:10 p.m.	Globe Gobble	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
6	12:15 – 12:30 p.m.	Safarnama	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
7	12:35 – 12:50 p.m.	Visionary Voyagers	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
8	1:00 – 1:15 p.m.	Pegasus	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
9	1:20 – 1:35 p.m.	HemTan Corporation	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
10	1:40 – 1:55 p.m.	CredAlly	Scottish Church College, Kolkata, and Christ University, Bengaluru	Online (through Zoom Meeting Link)
11	2:00 – 2:15 p.m.	HomeSync	MCKV Institute of Engineering, Liluah, Howrah	Offline
12	2:20 – 2:35 p.m.	Gen Z	MCKV Institute of Engineering, Liluah, Howrah	Offline
13	2:40 – 2:55 p.m.	Crusader X	MCKV Institute of Engineering, Liluah, Howrah	Offline
Venue: Room C405 (Business Plan Presentation Session)				
Sl.	Time	Team Name	College/University	Mode of Presentation
1	10:35 – 10:50 a.m.	Team Laavanya	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
2	10:55 – 11:10 a.m.	The Arbitrators	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)

3	11:15 – 11:30 a.m.	The Visionaries	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
4	11:35 – 11:50 a.m.	Ethical Sharks	Eastern Institute For Integrated Learning In Management (EIILM), Kolkata	Offline
5	11:55 a.m. – 12:10 p.m.	Mavericks	Army Institute of Management, Kolkata	Online (through Zoom Meeting Link)
6	12:15 – 12:30 p.m.	Magic Happens Here	Supreme Institute of Management and Technology, Mankundu, Hooghly	Offline
7	12:35 – 12:50 p.m.	Hexa_Leos	MCKV Institute of Engineering, Liluah, Howrah	Offline
8	1:00 – 1:15 p.m.	Parh Le	MCKV Institute of Engineering, Liluah, Howrah	Offline
9	1:20 – 1:35 p.m.	IXER	MCKV Institute of Engineering, Liluah, Howrah	Offline
10	1:40 – 1:55 p.m.	Electro Infinity	MCKV Institute of Engineering, Liluah, Howrah	Offline
11	2:00 – 2:15 p.m.	Back to Soon!!!	MCKV Institute of Engineering, Liluah, Howrah	Offline
12	2:20 – 2:35 p.m.	Future Inventors	MCKV Institute of Engineering, Liluah, Howrah	Offline

The online and offline presentations of the participating teams were judged by two panels of judges. The Jury members in Room No. B312 were Mr. Subir Roy, the Guest of Honour and External Expert, and Prof. (Dr.) Subro S. Thakur of the Dept. of Computer Science and Engineering, MCKVIE. Similarly, the Jury members in Room No. C405 were Prof. Nilay Kumar Nag of the Dept. of Computer Science and Engineering, Prof. (Dr.) Juin Ghosh Sarkar of Dept of Management Science, and Prof. Sougata Majumder of Dept of Management Science.

The team named “Ethical Sharks” from Eastern Institute for Integrated Learning in Management (EIILM), Kolkata emerged as Winner of the competition. The runner-up team was “Parh Le” from MCKV Institute of Engineering. Nevertheless, the presentations of other teams were highly appreciated by the Jury. The winner team was awarded with a team trophy and a team cash prize of Rs.2500/- and the runner-up team was awarded with a team trophy and a team cash prize of Rs.1500/-.

Photographs of the Event:

A) Offline Sessions:

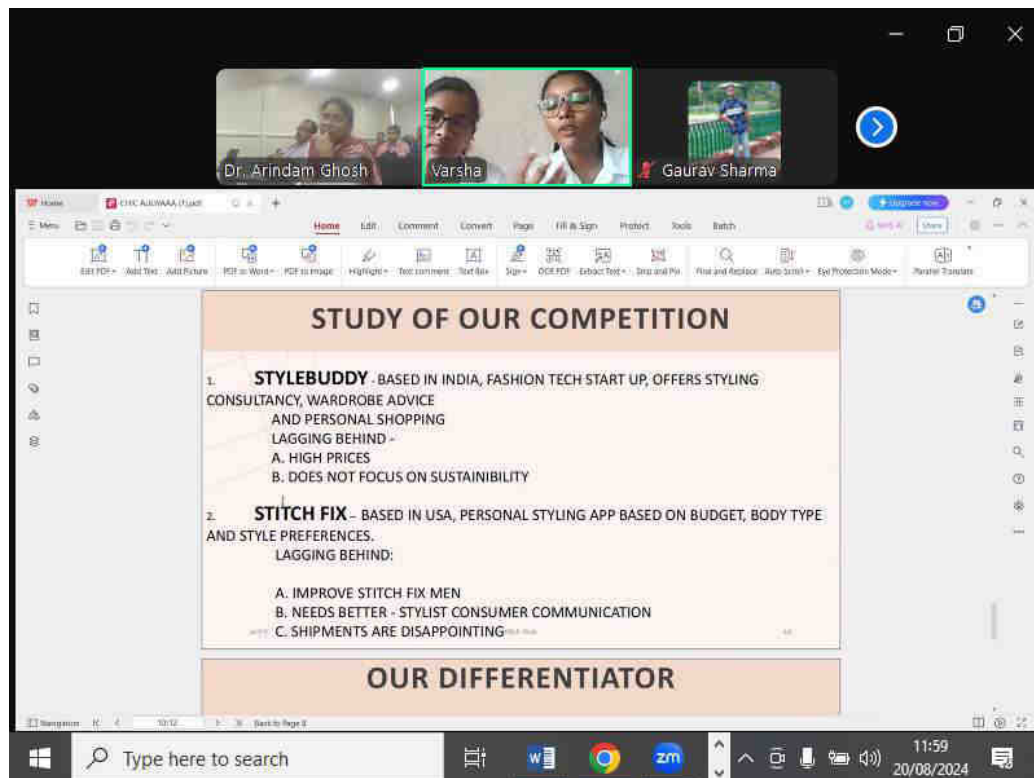


Photograph #1: Offline Presentation of the Business Plan was in Progress at Room B312



Photograph #2: Offline Presentation of the Business Plan was in Progress at Room C405

B) Online Sessions:



Photograph #3: Online Presentation of the Business Plan in Zoom Meeting Platform



Photograph #4: Online Presentation of the Business Plan in Zoom Meeting Platform



Photograph #5: Jury and Participants at Room B312



Photograph #6: Jury and Participants at Room C405



Photograph #7: Mr. Subir Roy presenting the Winner's Trophy to Team "Ethical Sharks" from Eastern Institute for Integrated Learning in Management (EIILM), Kolkata



Photograph #8: Prof. (Dr.) Prasenjit Chatterjee, President, IIC, MCKVIE, presenting the Runner's-Up Trophy to Team "Parh Le" from MCKV Institute of Engineering, Liluah.

Event Flyer:



Institution's Innovation Council (IIC) of
MCKV Institute of Engineering
Organises

Inter-Institutional Business Plan Competition

SALIENT FEATURES:

- Students of colleges and universities are eligible to participate irrespective of their disciplines of study.
- One team will contain minimum 2 and maximum 4 student participants.
- Each team will present (either online or offline) a single and unique Business Plan in front of a jury.
- Maximum 20 teams will be allowed to participate on the "First-Come-First-Serve" basis.
- Best two teams will be rewarded with trophies and cash prizes.
- Best 10 teams will be mentored regarding start-up incubation process by Entrepreneurship Expert from the renowned Government Institution on the day of the competition.
- All participants will be awarded with participation certificates.
- Register your team, yourself, and your team members to get more details about the competition.
- Registration Link:
<https://forms.gle/PKm6nwLxRip8GpFA>

REGISTRATION FEES PER STUDENT PARTICIPANT:

Rs.200/- (Rs. Two Hundred Only)

BANK DETAILS:

MCKV Institute of Engineering
Account No: 50100370033544
HDFC Bank
Branch: Liluah
Address: 266/9, GT Road, Liluah,
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LAST DATE FOR REGISTRATION: 14.08.2024

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Brief Report on Expert Talk: "Building a Sustainable Start-Up Ecosystem: Best Practices and Lessons From Emerging Start-Up Hubs"

Date & Time : **22nd August 2024, 7 PM**

Mode: **Online**

Organized by: **MCKV Institute of Engineering**

Activity: **IIC Event**

Speakers:

- **Mr. Rebanta Ganguli, Co-Founder & Director, Web Idea Solution LLP**

- **Mr. Joy Chatterjee, Co-Founder & Director, Web Idea Solution LLP**

Event Overview:

On August 22, 2024, MCKV Institute of Engineering hosted an insightful online expert talk titled "Building a Sustainable Start-Up Ecosystem: Best Practices and Lessons From Emerging Start-Up Hubs." This event was part of the Institute Innovation Council (IIC) activities, aimed at providing valuable knowledge and guidance to students and staff on fostering a thriving start-up ecosystem.

Key Highlights:

1. Introduction to Start-Up Ecosystem:

Mr. Rebanta Ganguli and Mr. Joy Chatterjee, both esteemed Co-Founders and Directors of Web Idea Solution LLP, shared their expertise on the intricacies of building a sustainable start-up environment. They emphasized the importance of a robust ecosystem that supports innovation and entrepreneurial growth.

2. Best Practices:

The speakers outlined essential best practices for creating a successful start-up ecosystem, including:

- Building a strong network of mentors and advisors.
- Securing funding and managing financial resources effectively.
- Developing a clear business model and strategy.
- Emphasizing the importance of customer feedback and market research.

3. Lessons from Emerging Start-Up Hubs:

Drawing from their experiences and observations in various start-up hubs, the speakers highlighted several key lessons:

- The role of community support and collaboration in fostering innovation.

- Strategies for overcoming common challenges faced by start-ups.
- The impact of government policies and incentives on start-up growth.

4. Interactive Q&A Session:

The event included a dynamic Q&A session where participants engaged with the speakers, seeking advice on specific challenges and opportunities related to their start-up ventures.

Conclusion:

The expert talk provided valuable insights into the creation and maintenance of a successful start-up ecosystem. Mr. Ganguli and Mr. Chatterjee's practical advice and real-world examples offered attendees a comprehensive understanding of the best practices and critical lessons required for nurturing start-ups. The event was well-received by both students and staff members, contributing significantly to their knowledge and preparedness for entrepreneurial ventures.

Acknowledgements:

MCKV Institute of Engineering extends its gratitude to Mr. Rebanta Ganguli and Mr. Joy Chatterjee for their time and expertise, and to all faculty members as well to all participants for their active involvement in making the event a success.

This report captures the essence of the event, reflecting the key points discussed and the impact of the session on the attendees.

Report of IIC-NISP activity initiative taken under the aegis of IIC

MCKV Institute of Engineering

Event Report: Session on Angel Investment / VC Funding Opportunities for Early-Stage Entrepreneurs



1. Event Overview

- **Title:** Angel Investment / VC Funding Opportunities for Early-Stage Entrepreneurs
- **Date:** 28/08/2024
- **Time:** 7.00 pm- 9.00 pm
- **Venue:** online event
- **Organized by:** StartUp Club by MCKVIE
- **Target Audience:** Startup founders and students.
- **Number of Attendees:** 90+

2. Objectives of the Session

- To educate early-stage entrepreneurs on the various funding opportunities available.
- To provide insights into the processes and strategies involved in securing angel and venture capital investments.
- To enhance participants' understanding of financial planning, investor relations, and legal frameworks in startup funding.

3. Keynote Speakers:

- **Speaker :** Md. Amaan Ansari (Founder and CEO, Atomos Technologies (OPC) Pvt Ltd, Founder and CEO, Cifer Technologies Pvt Ltd) alumnus of MCKVIE

4. Session Highlights:

- **Introduction to Angel Investment and VC Funding:**
 - Overview of what angel investors and venture capitalists look for in startups.

- Explanation of key terms like equity, valuation, term sheets, and funding rounds.
- **Effective Pitching Techniques:**
 - Tips on creating compelling pitch decks and presenting to investors.
 - Real-life examples and case studies of successful pitches.
- **Understanding the Investment Process:**
 - Detailed walkthrough of the due diligence process.
 - Discussion on negotiation tactics, deal structuring, and managing investor relations.

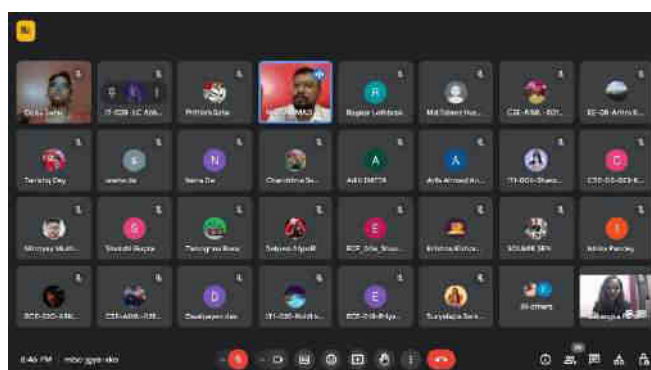
5. Learning Outcomes

- **Knowledge Enhancement:** Participants gained a deep understanding of the funding landscape, including the differences between angel investors and venture capitalists, and how to approach each.
- **Skill Development:** Improved ability to pitch business ideas, create financial models, and navigate the legal complexities of startup funding.
- **Networking:** Attendees expanded their professional networks, connecting with potential investors, mentors, and peers in the startup ecosystem.

6. Conclusion

- **Overall Impact:** The session successfully met its objectives by providing valuable insights and practical knowledge to early-stage entrepreneurs.
- **Future Prospects:** Potential follow-up sessions or workshops to further explore specific topics like detailed financial planning, legal frameworks, or sector-specific investment strategies.

GALLERY



Overall report of the activity: Innovation & Entrepreneurship Outreach Programme

Date: 28/08/2024

Institution's Innovation Council (IIC) of MCKVIE organized an outreach session “Innovation & Entrepreneurship” on 28th August (Wednesday), 2024. This is an offline event and a total of 56 number of students of Raghunathpur Nafar Academy (HS), Howrah attended this event.

Dr. Joydeep Banerjee, Assistant Professor of ECE Department & Convener IIC-MCKVIE and Mr. Ajoy Ghosal, Laboratory Instructor of ECE Department & member of IIC-MCKVIE conducted this outreach programme as joint speakers.

Dr. Banerjee delivered different aspects of the identification of the right problem and problem-solving approach to the school students. He focused on different techniques of ideation regarding innovation and also Artificial Intelligence. He has enlightened idea generation, converting ideas into prototypes, and entrepreneurship development in the area of technology and regarding different social aspect. He has also discussed the importance of techniques of innovation and idea generation. He focused on the importance of identification of problems and taking the right approach to innovation and converting them into prototype.

Then, Mr. Ghosal started the discussion about different aspects of Entrepreneurship. He enlightened the students about the importance of entrepreneurship and start-up. He focused on several topics like entrepreneurs’ skill development, and awareness generation of the qualities of successful entrepreneur. He has also discussed the different functions of an entrepreneur, the role of entrepreneur in our economy and society, challenges of entrepreneur. He has also discussed different areas of entrepreneurship. His session encouraged students about the opportunities of entrepreneurship. He also discussed regarding the activities of MCKVIE regarding entrepreneurship.

The session was very exhaustive, and students got awareness about diverse opportunities available in this field. In a nutshell, through this session, students were exposed and were encouraged to generate and execute their own ideas to improve innovation skill, prototype development and entrepreneurship skill development.



In order to provide students with the basic knowledge about how to convert innovation into start-up and the steps to be taken towards achieving goals, Institution Innovation Cell of MCKVIE organized a seminar on the topic-“Session on Innovation/ prototype validation – converting innovation into a startup or session of achieving value professional fit and business fit” on 29th August, 2024, at 11 AM. The speaker of the session was Dr. Debopoma Kar Ray, Assistant Professor, EE Department, MCKVIE. The vision of the program is to create more opportunities to start a startup and a better work environment for all, and to connect and equip people.

The session focused on Business Startup and Entrepreneurship. The intention or the objective of the session was to help the students to convert innovation into start-up of their interest. Various aspects of startups were discussed in the program including the idea, mission and legal methods. The speaker emphasized that more than earning for ourselves, startups should be quite innovative that would help the lives of ordinary people.

This leadership talk was strengthened by 45 student members and 5 Faculty members of MCKVIE. The program is concluded with the vote of thanks by Mr. Sudeep Samanta, Assistant professor, EE department.





GPS Map Camera

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