



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

(SEP 2024 to AUG 2025)

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.

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 of 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 and 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 and cultivate innovative ideas 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 other respected members of IIC 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.

A handwritten signature in purple ink that reads "Joydeep Banerjee".

Dr. Joydeep Banerjee

Convener, IIC, MCKVIE

**Reports of the program
organized by IIC, MCKVIE
*(Sep 24-Aug 25)***



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 “Paving Way to Innovation” on 24th, 25th and 28th February, 2025

The workshop, *Paving Way to Innovation*, organized by the Basic Science and Humanities Department on 24th, 25th, and 28th February 2025, was a resounding success, inspiring 426 first-year students to cultivate an innovative mindset. Mandatory for all newcomers, the workshop comprised five sessions, each featuring insightful speeches from distinguished dignitaries, including Prof. (Dr.) Abhijit Lahiri (Principal), Prof. (Dr.) Sudipta Chaki (Dean of Administration), Prof. (Dr.) Satadal Saha (Dean of Academics), Prof. (Dr.) Arun Kumar Jalan (Dean of Student Affairs), Dr. Prasenjit Chatterjee (Dean of Research and Consultancy), and Dr. Dipankar Ghosh (HOD, Basic Science). Their addresses set the stage, instilling enthusiasm and curiosity among attendees.



The keynote sessions, led by Dr. Supriya Das and Mr. Mojammel Rahaman, introduced students to the essence of innovation through engaging games, thought-provoking discussions, and relatable real-world examples. Additionally, Dr. Tanmoy Roy Chowdhury conducted an interactive brainstorming session, where students were presented with innovative puzzles and challenges. These activities encouraged analytical thinking and creative problem-solving, igniting the spirit of future innovators.



The workshop commenced with an innovative word game, setting a lively and engaging tone. Speakers illustrated the meaning and necessity of innovation by addressing common everyday challenges such as water pipe bursts and phone screen breakage. These examples not only demonstrated the significance of need-driven innovation but also clarified the fundamental differences between innovation and invention. The discussions also shed light on the hurdles faced in the journey of innovation.



One of the key highlights of the workshop was the exploration of innovation in Artificial Intelligence and Robotics, with a special focus on the humanoid robot *Ameca*. Another noteworthy discussion revolved around sustainable water solutions, introducing the *Watergem Mobility*, a mobile Atmospheric Water Generator (AWG) system designed to provide clean water efficiently.

The workshop also addressed innovations designed to enhance accessibility for visually impaired individuals. The *OrCam MyEye 2 Pro*, a cutting-edge device integrating advanced AI, machine learning, and a compact camera to interpret and vocalize visual information in real-time, served as an inspiring example of technology's role in transforming lives.

Participants were introduced to different types of innovation—incremental, disruptive, and architectural—through contemporary examples. The ongoing AI race was exemplified by a comparative analysis of *DeepSeek* with existing AI models, illustrating how innovation can thrive even in competitive landscapes. Lifestyle innovations, such as the AI-powered *New 4-Door Family Hub*, were also discussed, highlighting how technology is revolutionizing everyday life.

Throughout the workshop, students actively participated in hands-on activities, brainstorming exercises, group discussions, and idea-generation tasks. These interactive elements provided them with practical exposure, encouraging them to think critically and develop solutions for real-world problems.



The event concluded with a vote of thanks by Mr. Milan Chakraborty, who reiterated that innovation is about both generating new ideas and enhancing existing ones. Students were urged to observe their surroundings, identify challenges, and approach problem-solving with creativity and innovation.

In summary, the *Paving Way to Innovation* workshop successfully nurtured a spirit of creativity among students, equipping them with valuable insights into the multifaceted nature of innovation and its impact on society.

(Mr. Milan Chakraborty)
Event Coordinator

(Dr. Dipankar Ghosh)
HOD, BSH



MCKV Institute of Engineering (MCKVIE)
Institution's Innovation Council (IIC) in collaboration of Dept. Management Science
organised

B-Plan Pitch: A Poster Presentation Contest of Business Plans with Mentorship Support

Date of Event: 3.5.2025

Time: 9 a.m. to 6 p.m.

Mode: Offline

EVENT REPORT

The “B-Plan Pitch: A Poster Presentation Contest of Business Plans with Mentorship Support” was organised in SIT Hall of MCKV Institute of Engineering (MCKVIE) by Institution's Innovation Council (IIC) in collaboration of Dept. Management Science on 3.5.2025. The competition was of 9 hours' duration (including desk registration and prize distribution program times), from 9 a.m. to 6 p.m. However, the competition and mentoring sessions were from 10 a.m. to 5 p.m. The participating students were from various high schools and college. There were two distinct categories of competition – one for high-school students and another for college students. Students participated either individually or in teams of not more than 3 students. Each team had to present unique Business Plan in front of a Jury. The students brought either hand-drawn or printed posters illustrating and pitching the business plan. The evaluation parameters were transparently communicated to the students in registration document. The parameters to judge the merit of the plan included:

- a) Clarity of business plan. (15 marks)
- b) Originality of idea (25 marks)
- c) Contribution of the planned business towards the society and environment. (15 marks)
- d) Financial viability of business (15 marks)
- e) Completeness of plan and attention to detail (15 marks)
- f) Quality of presentation (ability to illustrate the plan through attractive drawing and effective communication). (15 marks)

The participation was based on online registration process without any registration fee.

The total number of student attendees was 45 distributed in 16 contesting teams. Total number of faculty participants were 11.

The program was inaugurated by Prof. (Dr.) Parthasarathi Chakraborty, Chief Executive Officer, MCKV Group of Institutions.

The poster presentations of the participating teams were judged by a panel of judges. The Jury members were Mr. Arun Mukherjee - Co-founder of Chaigram and Founder of Bengal Entrepreneurs' Ecosystem (BEE), Ms. Joyee Dey, Ms. Asha Sarkar, and Ms. Tasneem Habib - Co-founders of Titliya Fashion Studio and members of Bengal Entrepreneurs' Ecosystem (BEE), Mr. Jaydeep Bose - Co Founder & COO of Say Rooms & Homes, and Mr. Prabhat Das - Zonal Sales Manager, Jubilant Agri & Consumer Products Ltd.

Each team was mentored after their poster presentation and all the above-mentioned start-up owners evaluated their plans comprehensively and provided detailed insights on the scope of development of their plans.

The team named "Clean Co." from emerged as winner of the competition in the School Category. In the same category, the runners-up team was "Creators". Both the teams were from Agrasain Balika Siksha Sadan School, Liluah. The team "The Alchemist" won the college category competition, whereas, the team "Triple A" became the runners-up in the same category. Both the teams were from George Telegraph Institute of Accounts. Nevertheless, the poster presentations of other teams were highly appreciated by the Jury. The winner teams were awarded with cash prize of Rs.1000/- per participant and the runners-up teams were awarded with cash prize of Rs.500/- per participant. The Winners and Runners-Up certificates were presented on the stage along with the cash prize in the prize distribution ceremony. Each participant was presented with an e-Certificate of Participation within 10 days of the completion of the event i.e. by 12.5.2025.







			
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**B-Plan Pitch: A Poster Presentation
Contest of Business Plans with
Mentorship Support**

Organized by

**Institution's Innovation Council (IIC) and
Department of Management Science**

Date: 3.5.2025 Time: 10 a.m. to 5 p.m. Mode: Offline

Venue: MCKV Institute of Engineering

Event Flyer

 B-Plan Pitch: A Poster Presentation Contest of Business Plans with Mentorship Support <i>Organized by</i> Institution's Innovation Council (IIC) and Department of Management Science Date: 3.5.2025 Time: 10 a.m. to 5 p.m. Mode: Offline Venue: MCKV Institute of Engineering please Click here for more information	HIGHLIGHTS	Engage directly with founders of leading start-ups from the Bengal Entrepreneurship Ecosystem (BEE). • Open to high school and college students from all disciplines, participating individually or in teams of up to 3, under separate categories. • Each team/student presents one original business plan to a panel, supported by a 3 ft x 2 ft poster for on-the-spot pitching. • Top two teams win exciting prizes and Certificates of Achievement; all participants receive Certificates of Participation. Contacts: Dr. Soumyajit Das (9830333644) Dr. Anindita Ghosh (9830339009)
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**Event Flyer published in Website of MCKV Institute of Engineering
(www.mckvie.edu.in)**



**Institution's Innovation Council (IIC) and Department of Management Science,
MCKV Institute of Engineering (MCKVIE)**

organised

**Two-Day Workshop on Regulations Relating to Presentation of Annual Accounts of
Companies as per the Companies Act, 2013, and Various Issues Relating to Acquisition
and Merger of Companies**

IIC Activity [September 2024 to November 2024]

Date of Event: 13.11.2024 and 14.11.2024

EVENT REPORT

A two-day workshop on "Regulations Relating to Presentation of Annual Accounts of Companies as per the Companies Act, 2013, and Various Issues Relating to Acquisition and Merger of Companies" was conducted by the Department of Management Science in collaboration with Institution's Innovation Council (IIC). The dates of workshop was 13.11.2024 and 14.11.2024.

Mr. Subrata Kumar Ray, Professor of Maulana Abul Kalam Azad University of Technology (MAKAUT) and Ex-General Manager & Company Secretary, MSTC Limited (A Govt. of India Enterprise) and Ms. Arpita Dhal, Assistant Professor, MAKAUT, had taken the sessions. The students were enlightened by the speakers on most contemporary aspects of mergers and acquisition in India by Mr. Subrata Kumar Ray. The speaker cited various relevant cases on the said area. Ms. Arpita Dhal also taken engaging sessions on advanced financial accounting methods as laid down by Companies Act, 2013 with hands-on demonstration in the workshop.







MCKV Institute of Engineering
NAAC 'A' Grade Accredited Institute
MAKAUT Affiliated, AICTE Approved, NBA Accredited Courses
Department of Management Science & Institution's Innovation Council (IIC) present

Two-Day Workshop on Regulations Relating to Presentation of Annual Accounts of Companies as per The Companies Act, 2013, and Various Issues Relating to Acquisition and Merger of Companies



Speaker:
Mr. Subrata Kumar Roy
 General Manager (P)
 Company Secretary
 (INBC Ltd (Pvt. of India))



Speaker:
Ms. Arpita Chel
 Assistant Professor
 Taxation, Audit & Control
 Institute of Management
 Technology (IIMT)

Date : 13th & 14th November, 2024
10 AM Onwards

VENUE : Room No. 3332

 **@MCKVIE**



**Institution's Innovation Council (IIC) and Department of Management Science,
MCKV Institute of Engineering (MCKVIE)**

organised

**Three-Day Workshop on Application of Business Analytics, Digital Marketing and Artificial
Intelligence (AI) in Innovative Business Decision Making**

IIC Activity [September 2024 to November 2024]

Date of Event: 23.10.2024, 24.10.2024, and 25.10.2024 (postponed to 29.10.2024)

EVENT REPORT

A three-day workshop on "Application of Business Analytics, Digital Marketing and Artificial Intelligence (AI) in Innovative Business Decision Making" was conducted by the Department of Management Science under the aegis of Institution's Innovation Council (IIC). The workshop was scheduled for consecutive 3 days - 23.10.2024, 24.10.2024, and 25.10.2024. However, due to the cyclonic storm "Dana", the college was declared closed on 25.10.2024 and as a result, the event was postponed to 29.10.2024.

Day	Date	Topic	Resource Person
Day #1	23.10.2024	Application of Business Analytics in Various Job Roles	Dr. Sayantani Roychoudhury, Associate Professor, Praxis Business School, Kolkata, and Visiting Faculty - IIM Udaypur and IIM Amritsar.
Day #2	24.10.2024	The Modern Marketers' Ultimate Digital & AI Toolkit	Mr. Amar Krishna Jha, Chairman, Amarketing
Day #3	25.10.2024 (postponed to 29.10.2024)	AI and Its impact at Workplace: A New Era	Mr. Sugata Halder, Director, Vriksh Consulting

As mentioned in the above table, the speakers were from the academia and industry. The speakers helped the students to get multilevel exposures to business analytics models and their applications, hands-on training on digital marketing, and finally the application of artificial intelligence in innovative business decision making. This workshop was useful for the students to learn the additional elements of managerial decision making beyond the curriculum. This workshop was instrumental in guiding the students to join various industries – either as professionals or as entrepreneurs.



Day #1: Session being taken by Dr. Sayantani Roychoudhury on 23.10.2024



Day #2: Session being taken by Mr. Amar Krishna Jha on 24.10.2024



Day #3: Session being taken by Mr. Sugata Halder on 29.10.2024



NCV INSTITUTE OF ENGINEERING
NACC "A" GRADE ACCREDITED INSTITUTE, MAKAUT AFFILIATED, AICTE APPROVED
NMA ACCREDITED COURSES

Three-Day Workshop on Application of Business Analytics, Digital Marketing and Artificial Intelligence in Innovative Business Decision Making.

Organized by
Department of Management Science and Institution's Innovation Council

DATE: 23.10.24 Topic: Dr. Sayantani Roychoudhury, Associate Professor, Trade Assistant, School, Kolkata, introducing faculty for the day and the Institute.	DATE: 24.10.24 Topic: Mr. Amar Krishna Jha, Chairman, Marketing	DATE: 29.10.24 Topic: Mr. Sugata Halder, Director, HR&M, Consultant
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TIME: 10 A.M. ONWARDS VENUE: ROOM NO. B312



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

Workshop on Effective Sales and Marketing Strategies for Entrepreneurs /Startups
by

Dr. Soumyajit Das, Department of Management Science, MCKVIE

Date: 25.2.2025

Time: 11:00 a.m. onwards

Venue: SIT Hall, MCKV Institute of Engineering, Liluah, Howrah

EVENT REPORT

Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE) organised a "Workshop on Effective Sales and Marketing Strategies for Entrepreneurs /Startups" for the students of various disciplines of MCKVIE. The duration of the workshop was of $5\frac{1}{2}$ hours (11 a.m. to 4:30 p.m. with 30 minutes break in between). The program was conducted in two parts i.e. 11 a.m. to 1:30 p.m. at room number C305 and 2 – 4:30 p.m. at SIT Hall of MCKVIE.

The resource person for this workshop was Dr. Soumyajit Das, Associate Professor, Department of Management Science, MCKVIE. Dr. Das has rich experience in teaching entrepreneurship development courses. In this workshop, he conducted lecture session and exhibited hands-on demonstration of various entrepreneurial skillsets like time management, critical thinking and problem solving. Precisely, the topics covered by Dr. Das were as follows:

- Sales funnel optimisation
- Cost-Efficient Marketing Strategies
- Green Marketing
- Search Engine Optimisation and Social Media Strategy

The session was featured by live demonstration of managerial techniques for the entrepreneurs. Forty-two (42) students participated in the workshop along with the faculty members of various academic disciplines. The students participated in the program with spontaneity and showed highest degree of engagement by participating in small workshop assignments. The outcome of the program (workshop) was effective in provoking the entrepreneurial readiness among the students of MCKVIE.









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

in collaboration with

Entrepreneurship Development Institute of India (EDII)

organised

**Entrepreneurship Awareness Programme (EAP)
under the aegis of Ministry of MSME, Govt. of India**

IIC Activity [December 2024 to February 2025]

Date of Event: 17.2.2025

EVENT REPORT

The Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE) organised the Entrepreneurship Awareness Programme (EAP) in collaboration with Entrepreneurship Development Institute of India (EDII) on 17th February, 2025, under the aegis of Ministry of MSME, Govt. of India, in SIT Hall of MCKVIE. The students of different discipline of the college participated in this program through prior registration and the total number of participants was 140. The speakers of the awareness program focused on various aspects of entrepreneurship – the behavioural, financial, as well as strategic, which are essentially required by an entrepreneurs to mark his/her presence in the business world.

The duration of the program was around $2\frac{1}{2}$ hours starting at 1 p.m. and ending around 3:30 p.m. The session was characterised by the lucid and elaborate illustration of the entrepreneurial issues by the speakers from the prestigious institute like EDII. The students found the session very engaging and was asking plenty of relevant questions. Through the interaction between the speakers and the students, the outcome of the program turned out to be really effective. Upon the success of this event, EDII is interested to build up long-term relationship with MCKVIE where the advanced-level of programs can be organised in the future.

It was interesting to note from the feedback of the students about their future plan that around 30% of the students who attended the session want to be the future entrepreneurs. The feedback was shared with EDII to obtain some specialized entrepreneurial plan from their side.





**INSTITUTION'S INNOVATION COUNCIL (IIC) OF MCKV INSTITUTE OF ENGINEERING
AND
ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA (EDII)
ORGANISE
ENTREPRENEURSHIP AWARENESS PROGRAMME (EAP)
UNDER THE AEGIS OF MINISTRY OF MSME, GOVT OF INDIA**

**DATE: 17.2.2025
TIME: 1 P.M. ONWARDS**

VENUE: SIT HALL, MCKV INSTITUTE OF ENGINEERING, LILUAH, HOWRAH



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

organised

Workshop on Business Model Canvas (BMC)

by

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

Date: 10.4.2025

Time: 12 - 5 p.m.

Venue: Room No. B312, MCKV Institute of Engineering, Liluah, Howrah

EVENT REPORT

The one-day Workshop on Business Model Canvas (BMC) was held in MCKV Institute of Engineering (MCKVIE) in Room No. B312, Liluah on Friday, 10.4.2024. The five-hour workshop began at 12 p.m. and ended at 5:00 p.m., Dr. Soumyajit Das and Dr. Arindam Ghosh from the Department of Management Science served as the workshop's resource persons. The internal students from various disciplines took part in the workshop.

Forty-one (41) students and ten (10) faculty members participated in total. All sessions were quite captivating. Throughout the interactive sessions, the student participants asked many thought-provoking questions. The participants received pen-and-paper homework during the workshop. During these seminars, the lecturers employed audio-visual aids.

The program was executed in line with the objectives of the workshop. Aspiring entrepreneurs are expected to gain from the program's output by developing their capacity for strategic decision-making.







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

WORKSHOP ON BUSINESS MODEL CANVAS (BMC)



Speaker:
Dr. Saumya J. Das
Associate Professor,
Dept. of Management Science (MS)
MCKV Institute of Engineering



Speaker:
Dr. Arindam Ghosh
Assistant Professor,
Dept. of Management Science (MS)
MCKV Institute of Engineering

Date: 10.4.2025
Time: 12:00 - 5:00 p.m.
Venue: B312, MCKV Institute of Engineering,
Litani, Howrah





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

Workshop on Raising Capital and Managing Finance for Start-up

Resource Persons: Dr. Juin Ghosh Sarkar

Dept. of Management Science, MCKVIE

Date: 22.4.2025 **Time:** 12 - 5 p.m.

Venue: Room No. B312, MCKVIE

EVENT REPORT

The one-day Workshop on Raising Capital and Managing Finance for Start-up was held in MCKV Institute of Engineering (MCKVIE) in Room No. B312, Liluah on Friday, 22.4.2024. The five-hour workshop began at 12 p.m. and ended at 5:00 p.m. Dr. Juin Ghosh Sarkar, Head of the Department of Department of Management Science functioned as the workshop's resource person. The internal students from various disciplines took part in the workshop.

Forty-one (42) students and ten (10) faculty members participated in total. The workshop was quite absorbing. Throughout the interactive sessions, the student participants asked many thought-provoking questions. The participants received pen-and-paper assignments during the workshop. During the workshop, Dr. Ghosh Sarkar used audio-visual aids.

The program was executed in line with the objectives of the workshop. Aspiring entrepreneurs are expected to gain from the program's output by developing their capacity for strategic financial decision-making.









Institution's Innovation Council
Organises

Workshop on
"Raising Capital and Managing
Finance for Start-up"



Dr. Juin Ghosh Sarkar

22.4.2025
12 p.m. to 5 p.m.
Room No. B312

A Brief Report of Students' Technical Article Competition "PRAYAS-2025"

Name of the Event: Students' Technical Article Competition "PRAYAS-2025"

Sponsored by: IET (UK, Kolkata Local Network, MCKVIE

Duration: 25th April, 2025 Offline Event

No. of Articles presented: 15

No. of Participants: 53

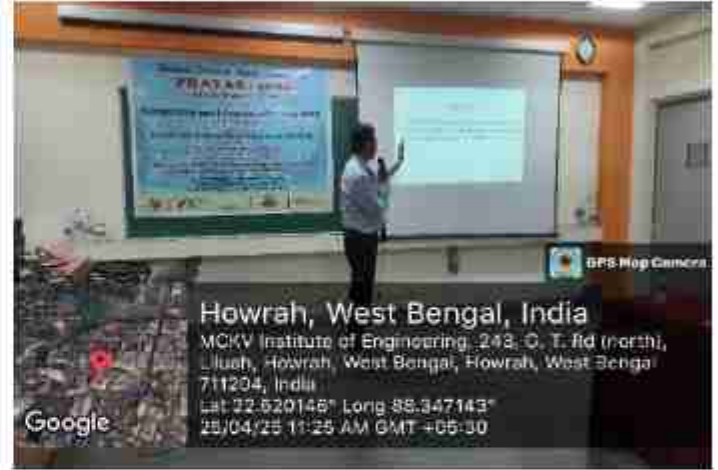
No. of Committee members: 25

The Department of Electronics & Communication Engineering, MCKV Institute of Engineering had organized Students' Article Competition "PRAYAS-2025" on 25th April, 2025. The event was held on an offline mode at MCKVIE, under the sponsorship of IET (UK) Kolkata Local Network and MCKVIE **in collaboration with IIC MCKVIE**. Nineteen articles in various domains of Electronics & Communication Engineering and allied fields were accepted for the event. Fifteen articles were presented and a total of fifty three participants from various engineering colleges/ universities participated in the program. The presented articles were evaluated on the basis of different criteria by the judges, viz. Dr. Manabendra Maiti, Professor, Techno International New Town, Kolkata, Dr. Santanu Ghorai, Professor Heritage Institute of Technology, Kolkata, Dr. Anindita Das, Associate Professor, Dean of Admin & Students Affair, REIE Kolkata. 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 best similarity index 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 was done and proceedings of the competition will be published in the form of a book with ISBN. Some participants were IET members.

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 technical articles and also share their views through scientific discussion and also share their views through scientific discussion. This event promotes presentation of innovative ideas and models.

The organizing committee is thankful to all the sponsors for their active support and cooperation and hopes to receive such help in years to come. Attaching some photographs of PRAYAS-2025.





Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Self-driven activity
3. Quarter-I: [Sep.'24 to Nov'24]
4. Program/Activity Name: **Dynamic Analysis of Laminated Composite: Numerical and Experimental Approaches**
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
 - Level-3
 - viii) Boot camp
 - ix) Competition
 - x) Demo day
 - xi) Exhibition
 - Level-4
 - xii) Workshop
 - xiii) Challenges
 - xiv) Hackathon
 - xv) Techfest
6. Other: Mention the details of Program type if you choose others at 5.
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 mins): 120 mins
9. Start Date (in days): 03-10-2024
10. End Date (in days): 03-10-2024
11. Number of Student Participants: 50
12. Number of Faculty Participants: 10
13. Number of External Participants, if any: 02
14. Expenditure amount, if any: (With supporting documents)
15. Remark:
16. Mode of session delivery (online/offline): Online
17. Overview:
 - i) Objective:(100 Words)
Laminated structures have received special attention in today's high-performance engineering because of their numerous advantages. In addition, these structural

components are well-known for their low shear strength, including the debonding type of failure. Debonding or delamination is the process of separation between the consecutive layers of the laminated structure and reduces the structural integrity as a whole. This, in turn, significantly affects structural responses such as frequency, deflection (static and dynamic), stability, etc., during the structure's operational life. Hence, it is important to assess the vulnerability of internal damage on the discussed structural responses in addition to the time-dependent deflection (transient responses) of a laminated composite structure under mechanical loading.

ii) Benefit in terms of learning/skill/knowledge obtained (150 Words):

- The session provides a more comprehensive understanding of the composite's behavior, which can lead to improvements in design, material selection, and manufacturing.
- The benefits of this session extended beyond the immediate context, offering participant's valuable learning experiences that can be applied in the emerging manufacturing fields with wide application scope.
- Participants have gained practical skills in brainstorming, collaboration, and rapid prototyping, equipping them to tackle complex manufacturing problems in innovative ways.
- The session fortified a mindset shift towards embracing failure as a crucial step in the learning process, fostering resilience and adaptability.
- Experimental analysis provides real-world validation through physical testing, while numerical analysis offers controlled, extensive.

18. Documents required:

- i) Video URL:
- ii) 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
- ii) Twitter
- iii) Instagram
- iv) LinkedIn



INSTITUTIONS INNOVATION COUNCIL (IIC) PRESENTS AN EXPERT TALK ON

"Dynamic analysis of laminated composite: Numerical and Experimental Approaches"

 **Dr. Chetan Kumar Bhawan**
 Assistant Professor, Department
 of Mechanical Engineering, MTU Varanasi
 Project Scholar in the Defense Research
 and Development Organization (DRDO)

Date: 3rd October, 2024 | Time: 2PM to 4PM

 @BICMCKVIE | Event coordinator - Dr. Ajit Kumar Pandey
 Assistant Professor, ME (MCKVIE)



Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Self-driven activity
3. Quarter-I: [Sep.'24 to Nov'24]
4. Program/Activity Name: Emerging Trends in Hydraulics and Pneumatics Control Systems
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
 - Level-3
 - viii) Boot camp
 - ix) Competition
 - x) Demo day
 - xi) Exhibition
 - Level-4
 - xii) Workshop
 - xiii) Challenges
 - xiv) Hackathon
 - xv) Techfest
6. Other: Mention the details of Program type if you choose others at 5.
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 mins): 120 mins
9. Start Date (in days): 27-01-2025
10. End Date (in days): 27-01-2025
11. Number of Student Participants: 50
12. Number of Faculty Participants: 10
13. Number of External Participants, if any: 02
14. Expenditure amount, if any: (With supporting documents)
15. Remark:
16. Mode of session delivery (online/offline): Online
17. Overview:
 - i) Objective:(100 Words)
 - ii) The objective of this expert talk is to provide insights into the latest advancements and innovations in hydraulics and pneumatics control systems. The session aims to:

1. **Highlight Emerging Technologies** – Discuss new developments in smart hydraulics, electrohydraulic actuators, servo-pneumatics, and Industry 4.0 integration.
2. **Enhance Industry Awareness** – Educate professionals and students on the impact of automation, IoT, and AI in fluid power systems.
3. **Improve System Efficiency** – Explore energy-efficient designs, sustainable practices, and advancements in fluid dynamics.
4. **Address Industrial Challenges** – Provide solutions to common operational challenges, including maintenance, reliability, and system optimization.
5. **Foster Innovation and Collaboration** – Encourage research, development, and interdisciplinary collaboration in the field of fluid power control.

iii) Benefit in terms of learning/skill/knowledge obtained (150 Words):

- By the end of the session, participants will gain a deeper understanding of cutting-edge trends shaping the future of hydraulics and pneumatics.
- Understand real-world applications in industries such as manufacturing, automotive, aerospace, and construction.
- The benefits of this session extended beyond the immediate context, offering participant's valuable learning experiences that can be applied in the emerging Technology of hydraulics and pneumatics system.
- Gain valuable troubleshooting techniques for common issues in hydraulic and pneumatic systems.
- Experimental analysis provides real-world validation through physical testing, while numerical analysis offers controlled, extensive.

18. Documents required:

- i) Video URL:
- ii) 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
- ii) Twitter
- iii) Instagram
- iv) LinkedIn

[illegible]



Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Self-driven activity
3. Quarter-I: [Sep.'24 to Nov'24]
4. Program/Activity Name: Green Hydrogen: The Future Fuel for a Carbon Neutral Mobility Revolution
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
 - Level-3
 - viii) Boot camp
 - ix) Competition
 - x) Demo day
 - xi) Exhibition
 - Level-4
 - xii) Workshop
 - xiii) Challenges
 - xiv) Hackathon
 - xv) Techfest
6. Other: Mention the details of Program type if you choose others at 5.
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 mins): 120 mins
9. Start Date (in days): 27-02-2025
10. End Date (in days): 27-02-2025
11. Number of Student Participants: 63
12. Number of Faculty Participants: 10
13. Number of External Participants, if any:15
14. Expenditure amount, if any: (With supporting documents)
15. Remark:
16. Mode of session delivery (online/offline): Online
17. Overview:

Objective :(100 Words)

Green hydrogen is emerging as a key solution for achieving carbon neutrality in transportation. Unlike grey or blue hydrogen, which rely on fossil fuels, green

hydrogen emits zero greenhouse gases, making it an ideal alternative to traditional fuels.

In mobility, hydrogen fuel cells power vehicles by converting hydrogen into electricity, offering advantages such as fast refueling, long-range capabilities, and zero emissions. This technology is gaining traction in sectors like heavy-duty transport, aviation, and shipping, where battery-electric solutions face limitations. Challenges remain, including high production costs, infrastructure development, and energy efficiency concerns. However, with global investments and policy support, green hydrogen is poised to revolutionize sustainable mobility, paving the way for a cleaner and greener future.

i) Benefit in terms of learning/skill/knowledge obtained (150 Words):

- The session provides a more comprehensive understanding of the green hydrogen its production, challenge in storage and transportation.
- The benefits of this session extended beyond the immediate context, offering participant's valuable learning experiences that can be applied in the emerging fields with wide application scope.
- Participants have gained practical skills in brainstorming, collaboration, and rapid prototyping, equipping them to tackle complex problems in innovative ways.
- The session fortified a mindset shift towards embracing failure as a crucial step in the learning process, fostering resilience and adaptability.
- Experimental analysis provides real-world validation through physical testing, while numerical analysis offers controlled, extensive.

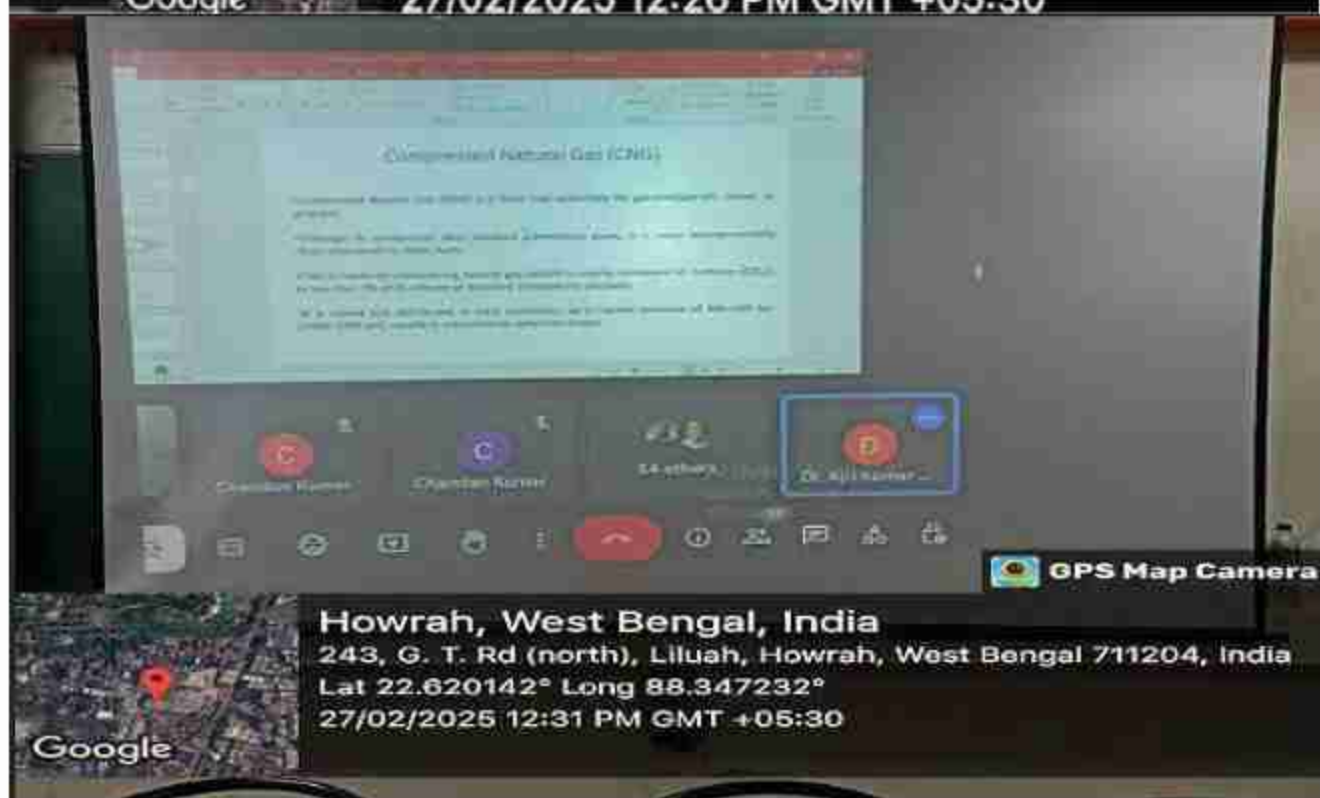
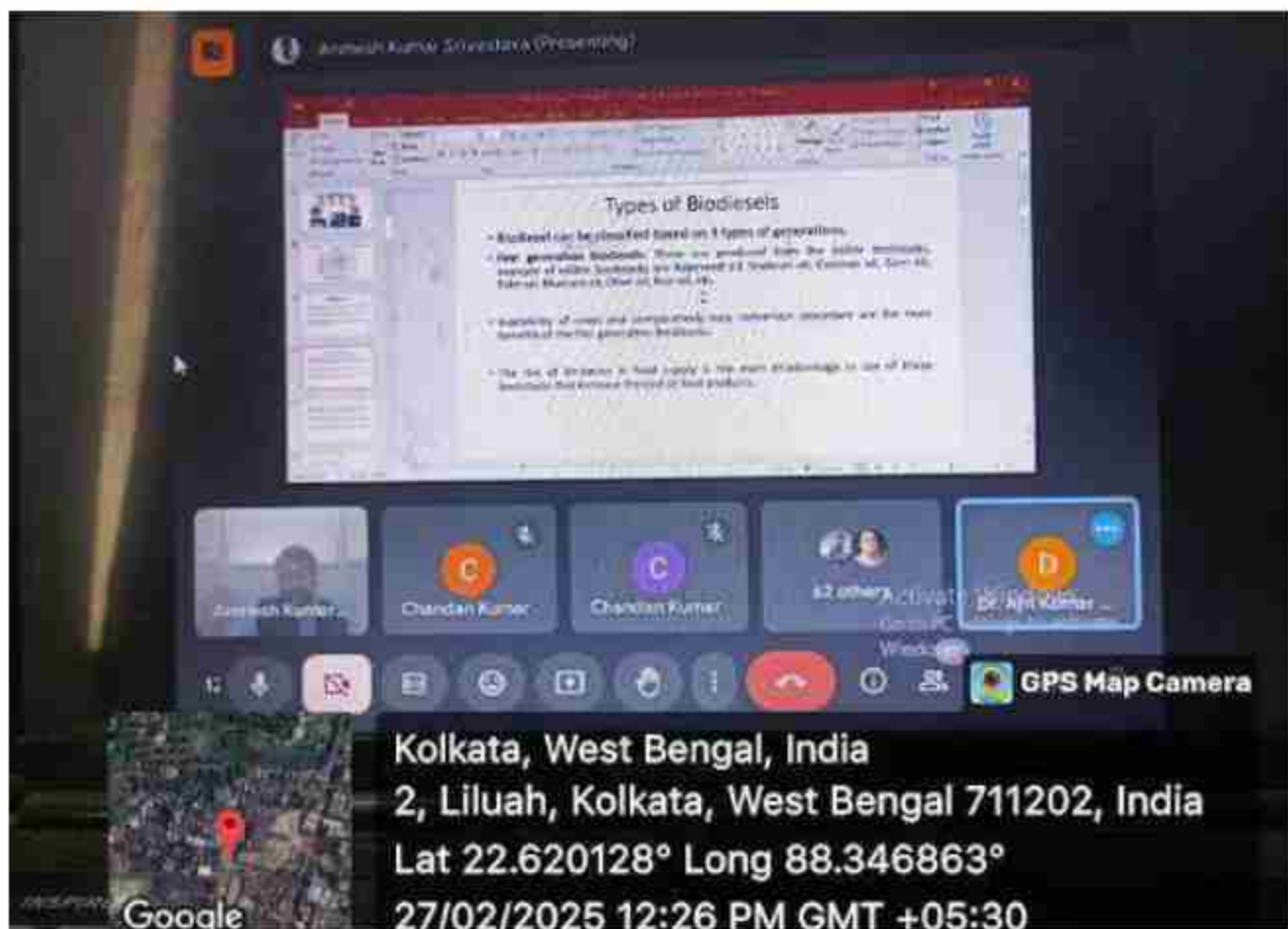
18. Documents required:

- i) Video URL:
- ii) 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://www.facebook.com/100076310046734/posts/pfbid0cbFpYWGjhDeDbxS9xVNHMUY6Het2aUo3HPRgv59FdbR5jV4twmfJ3MV8eER9CfPWl/](https://www.facebook.com/100076310046734/posts/pfbid0cbFpYWGjhDeDbxS9xVNHMUY6Het2aUo3HPRgv59FdbR5jV4twmfJ3MV8eER9CfPWl/)
- ii) Twitter:
https://x.com/IICMCKVIE/status/1891176607718551695?t=rrZ2SjWnbOa7gcew_fzSw&s=08
- iii) Instagram:
<https://www.instagram.com/p/DGJFXCYSI5D/?igsh=dHdwMWlsMnZldzNv>
LinkedIn

GPS Map Camera



Report on "MY STORY: Motivational Session by Successful Innovators"

The "MY STORY: Motivational Session by Successful Innovators" was organized by the MCKV Institute of Engineering Startup Club on 21st October 2024. The event featured Mr. Syantan Mukherjee, an accomplished innovator, sharing his inspiring journey, challenges, and achievements to motivate students and aspiring entrepreneurs. Participants gained valuable insights into creativity, perseverance, and problem-solving for success. The session encouraged entrepreneurial thinking and highlighted real-world applications of knowledge. Attendees left motivated to pursue their own ventures, equipped with practical wisdom and renewed confidence. This event was a significant step in fostering a culture of innovation and excellence at MCKV Institute of Engineering.

Video Link: https://www.youtube.com/live/4zLlx4wdRPU?si=_u1os-u0bNK8T7WU

Photographs:





Report on "MY STORY: Motivational Session by Successful Innovators"

The "MY STORY: Motivational Session by Successful Innovators" was organized by the MCKV Institute of Engineering Startup Club on 22nd October 2024. The event featured Mr. Vishwas Anand Bhusan, an accomplished innovator, sharing his inspiring journey, challenges, and achievements to motivate students and aspiring entrepreneurs. Participants gained valuable insights into creativity, perseverance, and problem-solving for success. The session encouraged entrepreneurial thinking and highlighted real-world applications of knowledge. Attendees left motivated to pursue their own ventures, equipped with practical wisdom and renewed confidence. This event was a significant step in fostering a culture of innovation and excellence at MCKV Institute of Engineering.

Video Link: <https://www.youtube.com/live/cUSNzf1S2FY?si=PLJHBffXoxbL-vIU>

Photographs:





Howrah, West Bengal, India
J89r-p6w, Liliuh, Howrah, West Bengal 711204, India
Lat 22.619091° Long 88.340346°
22/10/24 11:10 PM GMT +05:30

Report on Off-Stage Events: Illumina, Flameless Feast and Eco-Craft, held on 29th & 30th January, 2025

It is our immense pleasure to share that we have successfully hosted the Off-Stage Events on 29th and 30th January, 2025 at the Mechanical Workshop, MCKVIE. The events were Non-fire cooking (Flameless Feast), Face Painting (Illumina) and Art out of Waste (Eco-Craft). The participation fees was Rs.50/- per event. The following are the number of teams participated:-

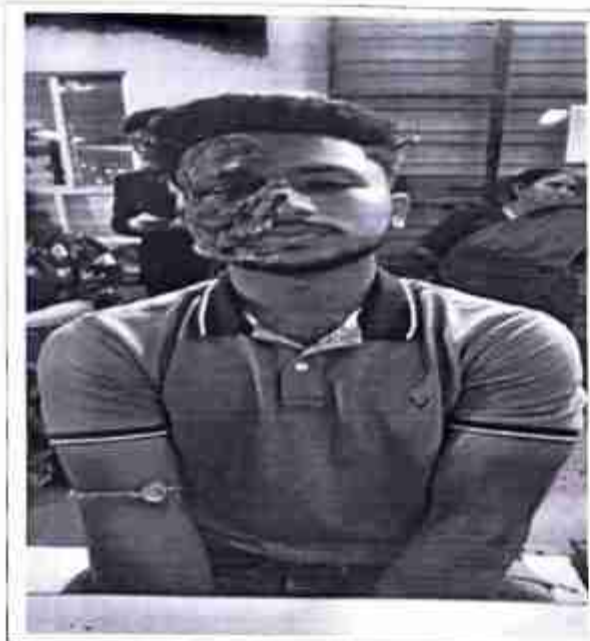
- Flameless Feast: 11
- Illumina: 6
- Eco-Craft: 5
- Total teams joined: 22
- The winners were gifted with One memento per team and certificates for individual team members.
- All the participants were given appreciation certificates for the participation in the event.



Hosting the Event: Flameless Feast in the Mechanical Workshop



Hosting the Event: Eco-Craft in the Mechanical Workshop



Hosting the Event: Illumina in the Mechanical Workshop



Judges at the Event: Eco-Craft in the Mechanical Workshop



Judges at the Event: Flameless Feast in the Mechanical Workshop



Judges at the Event: Flameless Feast in the Mechanical Workshop



A Group Photograph between all the Dignitaries, Judges and the Students.



Prize Distribution Ceremony of the Event.

Winners of the Events are:-

FLAMELESS FEAST

1st Position: JOY

Member: Joyjeet Manna (BTECH/CSE-DS/24/048)

2nd Position: Ahare Bahare

Members: Rupika Debnath(BTECH/EE/23/048), Pragya Ghosh(BTECH/EE/23/013)

3rd Position: Gourmet Blends

Members: Sayantani Ghosal(BTECH/ECE/24/013), SRESTHA GHOSH(BTECH/ECE/24/23)

ECOCRAFT

1st Position: Team 3D

Members: Sristi Sarkar(BTECH/CSE-DS/22/063), Dipti Bhowmik(BTECH/IT/22/010)

2nd Position: Crafty Wrafty

Members: Bhumi Prasad(BTECH/CSE/23/049), Olina Kundu(BTECH/CSE/23/013)

3rd Position: Slick wit it

Members: Arinjay Maitra (B-TECH/CSE/24/081), Anwayee Sasmal(B-TECH/CSE-AIML/24/052)

ILLUMINA

1st Position: Pixie Paint

Members: Soumili Lahiri(BTECH/CSE/2021/10), Sharda Kumari(BTECH/CSE/2021/61)

2nd Position: Kitty

Members: Sanchari Karati(BTECH/CSE/2022/62), Piyali Ghosh(BTECH/CSE/2022/09)

3rd Position: Team AD

Members: Anwesha Das (BTECH/EE(L)/22/081), Dipanjan Polen(BTECH/EE(L)/22/083)

We convey our heartfelt gratitude to all the team members, faculty as well as students for their utmost co-operation and support from their end.

Last but not the least, we are sincerely obliged to our Honorable Chairman, Mr.K.K.Kejriwal Sir, Trustee, Mr.Abhay Kumar Kejriwal Sir, CEO,Prof.(Dr.) P.S.Chakraborty Sir,Principal, Dr.Abhijit Lahiri Sir, Chairman,Utopia-2K25, Dr.A.K.Jalan Sir for their constant encouragement and co-operation throughout the events.



Mr. Soham Goswami
Co-ordinator, Off-Stage Events,
Utopia 2k25



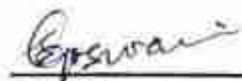
Mr. Soumya Paul
Co-ordinator, Off-Stage Events,
Utopia 2k25



Mr. Sudip Bera
Co-coordinator, Off-Stage Events,
Utopia 2k25

Statement of Expenditure for Utopia: Off-Stage Events 2K25

Sl.No.	Item	Expenditure(Rs.)
1.	Identity Card	20.00
2.	Memento & other prizes	3000.00
3.	Certificates	440.00
	Total Expenditure	3460.00



Mr. Soham Goswami
Co-ordinator, Off-Stage Events,
Utopia 2k25



Mr. Sudip Bera
Co-coordinator, Off-Stage Events,
Utopia 2k25



Mr. Soumya Paul
Co-ordinator, Off-Stage Events,
Utopia 2k25

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Report on Innovative Project Competition

Academic Year: 2024-25

Name of the Event	Innovative Project Competition		
Event type	Competition		
Organized by:	Department of Information Technology	Venue	Block-A, 2 nd Floor, IT Lab-3, MCKVIE
Date of Commencement:	02/04/2025	Date of Completion:	04/04/2025
Duration of event:	Two Days	Mode of the Session Delivery:	Offline
Coordinator of the Event	Jayanti Mahata, Assistant Professor, Department of Information Technology	Mob. No.	9732526103
Type of Participants:	Students of MCKVIE	No. of Participants :	Staff: 12 Students: 112

Brief Report on the Event:

The Innovative Project Competition was held on 02/04/2025 and 04/04/2025, organized by the department of Information Technology, MCKV Institute of Engineering aiming to encourage creativity, critical thinking, and problem-solving among students. Participants presenting original and impactful ideas addressing real-world problems in group.

The objectives of the innovative project competition were to Spark creativity, identify new solutions, and promote a culture of innovation by encouraging participants to develop and present unique concepts.

Participants showcased their ideas through presentations across domains such as technology, environment, healthcare, and education. Some standout ideas included EVENTURE FOR MCKVIE, Reclaiming the Ganga: an Innovative Solution, Empowering Indian MSME's Automated Legal Document Drafting, Revolutionizing Cancer Detection With Machine Learning, Smart Pot: Future Plant Care etc.

Projects were evaluated based on originality, feasibility, impact, and presentation. Feedback from both participants and judges was overwhelmingly positive, with many appreciating the platform for nurturing innovation and collaboration. The best projects were selected for submission for Yukt Portal.

This Innovative project contests boost problem-solving capability, creativity, and critical thinking. Participants learn research, communication, and teamwork skills. Students gain valuable knowledge, potentially discovering new solutions and expanding their horizons.

In summary, the Innovative Project Competition was a resounding success, inspiring participants to think beyond conventional boundaries and work toward solutions that can shape a better future. As a result, few unique concepts come from the young minds for solving real life problems which we are facing in our daily life.



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Event Photographs:



Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) **IIC calendar activity**
 - ii) MIC activity
 - iii) Celebration activity
 - iv) Self-driven activity
3. Quarter-4: [June'24 to August'24]
4. Program/Activity Name: KODIKAS 2K25 Innovation Driven Through GEN AI
5. Program type: (Choose anyone)
 - 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
 - Level-4
 - xiii) Workshop
 - xiv) Challenges
 - xv) Competition/Hackathon
 - xvi) Techfest
 - xvii) Bootcamp
 - xviii) 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): **12 Hours**
9. Start Date (In days): **19th August 2024**
10. End Date (In days): **20th May 2024**
11. Number of Student Participants (Min 40): **45**
12. Number of Faculty Participants: **6**
13. Number of External Participants, if any: **Na**
14. Expenditure amount, if any: (With supporting documents): **Nil**

15. Remark: The department of Computer Science and Engineering has organized the workshop for the second and third year students to give valuable insights into emerging AI tools and their practical applications and to enhance their knowledge of how Gen AI can be applied in real-world scenarios .

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

17. Overview:

- I. Objective:(100 letters): It explore concepts, tools, and applications of Generative AI for innovation and learning.
- II. Benefit in terms of learning/skill/knowledge obtained (150 letters): The workshop enhanced awareness of Generative AI, improved practical skills, and inspired innovative applications for academics and industry.

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://www.facebook.com/100076310046734/posts/pfbid0JbrV6bxbdAsLKqW6ZsFiUZNxcxJnJBpRJxvAVK9CMdR7XtmignhCPT9iBpeKbFG9I/?sfnsn=wa>
- ii) Twitter
- iii) Instagram : <https://www.instagram.com/p/DNQ0893z3YT/?igsh=OTH6b2t3dDc3bm5h>
- iv) LinkedIn



Academic Year 2023-24

Mentor-Mentee Program

Coordinator Detail	Mentor Institutions	Mentor Activity Schedule
Orientation & Mentoring sessions	Quarterly Progress Meetings	Organise IIC calendar activity
I&E Training & Exposure Visit	Progress Monitoring & Impact Measurement	Guidance
Handholding Support		

Orientation & Mentoring sessions

Conduct an orientation cum mentoring session for all the key functionaries of IIC members at mentee institutions.

[View Guidelines](#)

Sr.No.	Session No.	Session Date & Time	Meeting Link	Expert Name	Expert Designation	Contact info	Activity Brochure / Schedule	Action
No Data Found								

QUICK LINKS

- Home
- Innovation Council
- SIH
- ARIIA

SOCIAL MEDIA LINKS

- Twitter
- Facebook
- Youtube
- Instagram

CONTACT US

- www.mic.gov.in
- lic.mhrd@sicte-india.org
- 011 2958 1226/1513/1517/1235/1240



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The Basic Science and Humanities department in collaboration with Institution's Innovation Council (IIC) of MCKVIE organized a **self-driven event**, "*Nurturing Innovation – Student Idea Contest*", on 18th and 19th August, 2025. This initiative aimed to **promote innovation and entrepreneurship, and research** among students, encouraging them to think beyond conventional boundaries and develop practical solutions to real-world challenges.

The main motto of the event was to **ignite creative thinking**, foster a spirit of **entrepreneurship**, and enable students to transform their innovative ideas into potential research and startup opportunities.

Each participant group presented their idea through a structured format that highlighted the **problem statement, innovative solution, feasibility, budget, research potential, and entrepreneurial value**. More than 130 ideas were initially submitted, out of which 54 were shortlisted and finally after a rigorous evaluation process, 29 groups comprising of 95 students from different streams showcased their innovative ideas. The main focus of the event was Technological innovation, Sustainable solutions, Social entrepreneurship, Research-driven development.

The event **enhanced students' critical thinking**, provided **entrepreneurial insights**, opened **research and mentoring opportunities**, and fostered **cross-disciplinary collaboration** for future innovation.

The "*Nurturing Innovation*" event successfully met its goal of empowering students to think innovatively and align their ideas with **entrepreneurship and research** opportunities. With active participation and enthusiastic response, the event highlighted the institution's commitment to **creating a culture of innovation** that nurtures future leaders and changemakers.





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Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	BS-VI and OBD-II Familiarization		
Programme/Event type (choose and write only the appropriate one from the list)	Student Training Programme		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering	Venue	B316, VECV Workshop
Sponsored by (if any):	NA	Amount of sponsorship (Rs.)	NA
Date of Commencement: (in dd/mm/yyyy format)	24/07/2025	Date of Completion: (in dd/mm/yyyy format)	25/07/2025
Duration of event: (in days and mention hours for hands-on training program)	5 hours/day	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Tapas Kumar Biswas, AUE Dept.	Mob No.	8017270199
Convenor of the program/Event (Full Name with Dept.)	Nirvik Banerjee, AUE Dept.		
Type of Participants:	Students	No. of Participants:	Staff:0 Students: 41

Brief Report on the Event

(within 250 words approx., in Tahoma font, font size 9, line spacing: Multiple, at 1.2)

The Department of Automobile Engineering, MCKV Institute of Engineering (MCKVIE), successfully conducted a two-day training programme on "BS-VI and OBD-II Familiarization" from 24th to 25th July 2025. The session was conducted by Mr. Raju Mondal, a senior expert from VE Commercial Vehicles (VECV). The objective of the training was to provide students with a deeper understanding of Bharat Stage-VI emission norms and On-Board Diagnostics-II (OBD-II) systems, both of which are critical in the context of modern automotive technologies and regulatory compliance. A total of 41 students from the AUE and ME department participated in this training. The training was highly informative and interactive, helping students bridge the gap between academic knowledge and industry practices. Mr. Raju Mondal's in-depth explanations and real-world experience made the sessions particularly impactful.



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Enclose 2-3 nos photographs in JPG Format and paste the same in the box below:



Date of submission:05/08/2025

Overall Event Report

Expert Session & Panel Discussion

Theme: *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"*

Event Overview

The Institution's Innovation Council (IIC-NISP) and the Start-Up Club of MCKV Institute of Engineering successfully organized an Expert Session and Panel Discussion on the theme *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"* on **30th July 2025 at 11:00 AM** in the **B312**.

The event was designed to emphasize the significance of **Intellectual Property Rights (IPR)** in nurturing innovation and supporting the startup ecosystem. Experts from academia, and entrepreneurial ventures came together to share insights, strategies, and real-world experiences on how safeguarding intellectual property can catalyze entrepreneurial growth and sustainability.

Objectives of the Event

- To create awareness about the importance of IPR among students, researchers, and entrepreneurs.
- To highlight various mechanisms of patent filing, copyrights, and trademarks.
- To showcase real-life startup case studies that leveraged IPR for business success.
- To facilitate knowledge exchange through an interactive panel discussion.

Key Highlights

1. **Expert Talks:** Eminent speakers from industry and academia addressed the critical role of IPR in driving innovation.
2. **IPR & Startups:** Discussions on how startups can strategically use IPR for competitive advantage and long-term growth.
3. **Patent Filing Mechanisms:** Step-by-step guidance on patent filing procedures, protection frameworks, and global IPR policies.
4. **Case Studies:** Illustrations from successful startups that used IPR protection as a foundation for scaling their ventures.
5. **Panel Discussion:** A vibrant interaction between IPR experts, legal professionals, startup founders, and participants, encouraging queries and idea-sharing.

Expert Speakers & Panelists

The session was enriched with contributions from the following dignitaries:

- **Dr. Rahul Kapoor** , IPR Expert, Founder TurnIP Innovations
- **Dr. Rajarshi Sanyal** , IPR Expert & Institutional Representative
- **Dr. Abhijit Dutta**, Academic Expert on Innovation & Entrepreneurship
- **Dr. Rahul Kapoor**, Founder of TurnIP Innovations shared entrepreneurial insights

Participation Details

The event witnessed overwhelming participation from:

- Total Number of participants: 118
 - Students from various engineering and management disciplines : 107
 - Faculty members and researchers : 11

Outcomes of the Event

- Enhanced awareness of the role of IPR in fostering innovation and entrepreneurship.
- Participants gained practical insights into filing patents and safeguarding their ideas.
- Strengthened collaboration between academia, legal professionals, and entrepreneurs.
- Encouragement for students and innovators to actively integrate IPR strategies into their entrepreneurial journey.

Conclusion

The Expert Session & Panel Discussion on "*Protect to Prosper: IPR as a Catalyst for Innovation & Startup*" proved to be an enriching and thought-provoking event. It not only highlighted the importance of safeguarding intellectual property but also inspired participants to innovate responsibly while ensuring long-term protection of their creative ideas.

The event successfully aligned with the vision of fostering a culture of innovation, entrepreneurship, and intellectual property awareness at MCKV Institute of Engineering.

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

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Funding for Startup Opportunities
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	20.05.2025
Program Ending Date	20.05.2025
Number of Students Participants	00
Number of Faculty Participants	59
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Understand YUKTI Repository and IIC framework to foster innovation and startups in institutions
Benefits in terms of learning/skill/knowledge development	Gained insights on TRL stages, innovation lifecycle, funding, mentorship, and repository usage to support startup growth
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid02t3GSgz7fEne6VFTupScpJdUHcgTWC5n5t9hmBcLxzfnHPJvhHdr1TDUSZZ4ntDI/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1924443354231980350?t=yZ5DXq2_wCqTbAtusTghcw&s=08 iii) Instagram: https://www.instagram.com/p/DJ1d_KRvMAs/



Overall Report of the Activity

Date & Time: 20.05.2025 & 11:30 AM onwards

Speaker: Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell

Topic: Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Funding for Startup Opportunities

Key Learning:

- Understood the role of YUKTI Repository in managing and tracking institutional innovations.
- Learned how Technology Readiness Levels (TRLs) help assess and support innovation maturity.
- Gained clarity on funding opportunities like APF and YUKTI Innovation Challenge for student startups.
- Recognized the importance of multi-stage mentoring, verification, and collaboration in innovation success.

The session, organized by the Ministry of Education's Innovation Cell (MIC) and AICTE, highlighted the role and functionality of the YUKTI Innovation Repository and the Institutional Innovation Council (IIC) framework as central components of India's higher education innovation ecosystem. Anchored by Mr. Dipan Sahu, Assistant Innovation Director at MIC, the session was part of the broader IIC 7.0 initiative aimed at fostering innovation, entrepreneurship, and startups within academic institutions.

The YUKTI Repository is a zero-cost, digital platform launched to systematically capture, verify, and nurture ideas, innovations, startups, and intellectual properties (IPs) emerging from colleges and universities. Since its inception in 2019, over 15,500 institutions have joined, with nearly 1.9 lakh entries recorded. These include student and faculty-led innovations that are verified through a multi-stage process involving mentors and experts. The repository connects innovations with mentors, incubators, and investors to facilitate their development and commercialization.

The Institutional Innovation Councils (IICs) are mandated at institutional levels to create localized ecosystems through innovation activities, startup mentorship, and capacity-building programs. Innovation ambassadors, faculty mentors, and structured mentoring processes guide the growth of ideas through various Technology Readiness Levels (TRLs)—from concept to prototype to product.

The session also introduced funding opportunities such as the AICTE Productization Fellowship (APF) and YUKTI Innovation Challenge 2025, which offer financial aid of up to ₹10 lakhs for selected innovations. The APF targets students from AICTE-approved institutions, while the YUKTI Challenge is open to faculty, alumni, and incubated startups with entries in the innovation repository.

A significant focus was placed on building collaborative innovation ecosystems through cross-institutional partnerships, structured mentoring boot camps, and zonal networking. Emphasis was also laid on the rising trend of patent filings and the importance of timely submission, regular repository updates, and eligibility compliance for funding programs.



The session concluded with details on upcoming orientation sessions, zonal Q&A, and the importance of institutional discipline and proactive participation. It reinforced that the synergy of digital innovation management, strategic mentorship, IP protection, and financial support is driving a new innovation culture across India's higher education landscape—positioning academic institutions as the bedrock of the country's startup and technology growth.

Banner of the Event



The banner is blue with white text. At the top, it lists logos for G20 India 2023, Institution's Innovation Council, MoE's Innovation Cell, 75 Azadi Ka Amrit Mahotsav, and MCKV. Below the logos, it says "IIC MCKVIE presents" followed by "MIC Driven Activity" in large bold letters. Underneath, it states "Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities". The date and time are "Date: 20.05.2025 Time: 11:30 AM to 12:30 PM" and the venue is "Venue: SIT Hall". At the bottom, it lists the SPOC: "Dr. Abhijit Pramanik (9534080407), Mr. Sourav Ghorai (8900022915)".

IIC MCKVIE presents

MIC Driven Activity

Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities

Date: 20.05.2025 Time: 11:30 AM to 12:30 PM
Venue: SIT Hall

SPOC: Dr. Abhijit Pramanik (9534080407),
Mr. Sourav Ghorai (8900022915)

Photographs of the Event







Howrah, West Bengal, India

243, G. T. Rd (north), Dilush, Howrah, West Bengal 711204, India

Lat 22.625147° Long 86.347296°

20/05/2025 11:51 AM GMT +05:30

Google

GPS Map Camera

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

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	21.04.2025
Program Ending Date	21.04.2025
Number of Students Participants	70
Number of Faculty Participants	43
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Celebrate creativity, promote IP awareness, and launch IP UTSAV to foster national IP literacy.
Benefits in terms of learning/skill/knowledge development	Gained deeper knowledge of IP rights, improved skills in innovation protection & enhanced awareness of the role of IP in creative and economic growth.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02e6LBitVAu7kQpzn7EZtE1cXGmjZWDvr22ANV86kjjbRpgCpC84ZV1kC68S24uTl/?sfnsn=wa ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1913999807829721296?t=7UFyI50903cn17ZnNJg3hA&s=08 iii) <u>Instagram</u> : https://www.instagram.com/p/DlrQLJASYxr/?igsh=MW8xaWxxMGpyMGp6Ng==



Overall Report of the Activity

Date & Time: 21.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Prof. T. G. Sitharam, Chairman, AICTE

(b) Dr. Abhay Jere, Vice Chairman, AICTE

(c) Dr. Sacha Wunsch-Vincent Head of Section, Economics and Statistics Division, and co-editor of The Global Innovation Index (GII) at the World Intellectual Property Organization (WIPO)

(d) Prof. (Dr.) Unnat P. Pandit

Controller General of Patents, Designs & Trademarks Registrar of Copyright and Geographical Indication, DPIIT, MoCI, Government of India

Topic: Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day

Key Learning:

- To highlight the transformative power of creativity and innovation in driving economic, social, and cultural development.
- To raise awareness of the role of the intellectual property system in encouraging and safeguarding creativity across sectors.
- To inaugurate IP UTSAV as a national platform fostering IP literacy and engagement among creators, innovators, and the public.

The speech discusses India's growing innovation ecosystem, emphasizing the role of intellectual property (IP) and creativity in shaping the country's future. Dr. Sacha Vincent, representing the World Intellectual Property Organization (WIPO), highlighted India's significant progress in innovation, noting the country's rise from 80th to 39th in the Global Innovation Index. He commended India's emerging venture capital landscape and government-backed initiatives, particularly in deep tech areas like AI, quantum computing, and space. Despite this, Dr. Vincent stressed the need for further development in late-stage venture capital, urging more international collaboration in research and development (R&D) and increased foreign participation in Indian innovation ecosystems.

The importance of intellectual property (IP) was a major theme of the speech, with Dr. Vincent emphasizing that India's IP system is now deeply ingrained in the national consciousness. He praised India's growing number of patent filings and IP-related activities, especially in educational settings, where awareness of IP rights is being instilled from a young age. He expressed optimism for India's future role in shaping the global innovation landscape, particularly as it redefines IP and creativity from a local to a global scale.

Dr. T.G. Sitharam, Chairman of the AICTE, reinforced this view by highlighting AICTE's commitment to building a culture of innovation, creativity, and entrepreneurship within India's educational institutions. He acknowledged the alignment of AICTE's initiatives with the National Education Policy (NEP) 2020, which encourages hands-on learning, interdisciplinary collaboration, and fostering entrepreneurship among students.

Dr. Sitharam introduced AICTE's initiatives such as the establishment of over 400 Idea Labs across engineering institutions, promoting student-led innovation. These labs support the development of new products and technologies, with a focus on design thinking and prototyping. Additionally, AICTE has created the Kalam Program for IP Literacy, raising awareness about IP rights and ensuring their proper use in educational settings. He also discussed the growing regional innovation ecosystems, particularly in smaller cities and towns, facilitated by AICTE's



Innovation Centers and collaborations with organizations like the Wadwani Foundation.

Lastly, the speech highlighted AICTE's focus on supporting innovation finance, with new schemes like fellowships for productization and industry collaboration, aiming to help students and faculty further develop their ideas. The overall goal is to foster a robust innovation culture that empowers India's youth to contribute to global progress, with AICTE playing a central role in this transformation.

Banner of the Event

IIC MCKVIE Presents
MIC Driven Activity
INAUGURATION OF IP UTSAV &
CELEBRATION OF WORLD CREATIVITY AND
INNOVATION DAY

Dr. T. G. Satharao
 CHAIRMAN, IIC
 MEMBER OF INNOVATION, GOVT. OF INDIA

Dr. Sachin Vohra
 HEAD OF IIC, IIT BOMBAY
 MEMBER OF INNOVATION, GOVT. OF INDIA

Dr. Abhishek
 HEAD OF IIC, IIT BOMBAY
 MEMBER OF INNOVATION, GOVT. OF INDIA

Prof. Dr. Linus Pardo
 HEAD OF IIC, IIT BOMBAY
 MEMBER OF INNOVATION, GOVT. OF INDIA

21st April, 2025
11:30 AM
9 B312

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

Photographs of the Event







INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Discover more with Design Registrations: Masterclass on Patents and Design Registration
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	22.04.2025
Program Ending Date	22.04.2025
Number of Students Participants	59
Number of Faculty Participants	41
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Promote IP awareness, design protection & innovation commercialization among educators and students.
Benefits in terms of learning/skill/knowledge development	Gained practical knowledge of design registration, IP laws, and innovation tools to protect and commercialize creative ideas.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid0iuUT5N8P5t1zMG1wkui3CQJosdrfdSFRf5voixeHG3nnPyhduYmBM5UqimuLZR1ql/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914364430663512510?t=kpbJNnAnTS8Agruw1768zg&s=08 iii) Instagram: https://www.instagram.com/p/DIt1zl4ywiZ/?igsh=NWNnNTZzbGxuMnl2

Overall Report of the Activity

Date & Time: 22.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Prof. Gauri Gargate, Faculty, IP Law & Management, IIT Kharagpur

(b) Dr. B. K. Chakravarthy, Prof. & Dean School of Design Innovation, Mahindra University

Topic: Discover more with Design Registrations: Masterclass on Patents and Design Registration

Key Learning:

- To develop a practical understanding of the protection available through patents and industrial designs.
- To demystify the application and registration process, emphasizing accessibility and strategic benefits for inventors and creators.
- To demonstrate how design and patent rights contribute to innovation, product differentiation, and competitive advantage in the marketplace.

The masterclass held during the Intellectual Property (IP) Week, organized by the Ministry of Education's Innovation Cell and AICTE, focused on design registration, IP protection, and commercialization. Experts Prof. B.K. Chakravarthy (Mahindra University) and Prof. Gauri Gargate (IIT Kharagpur) led the session, offering in-depth insights into design-driven innovation, legal frameworks, and strategies to protect and commercialize creative ideas.

Prof. Chakravarthy emphasized integrating entrepreneurship into design education from the outset, ensuring that innovations are not just conceptual but market-ready. He illustrated this with case studies like the solar oven, ergonomic porter's chair ("pali"), specialized water bottles for forest dwellers, and redesigned helmets. These examples demonstrated the "Seven C's" framework - Cause, Context, Comprehension, Check, Crafting, Connection, and Communication—as a holistic model for innovation that is both user-centric and IP-aware.

Prof. Gauri Gargate elaborated on the legal and procedural aspects of design registration in India under the Design Act 2000, which grants protection for 10 years, extendable by 5. She clarified that design registration protects the aesthetic aspects (shape, pattern, color) of products, unlike patents, which cover functional elements. She also discussed international practices, the importance of novelty, visibility, and distinctiveness in registering a design, and enforcement mechanisms including oppositions and legal recourse.

The session highlighted India's growing IP ecosystem, with increasing design filings from domestic and foreign applicants. Strategic IP management—combining patents, trademarks, trade secrets, and design registrations—was identified as crucial for enhancing brand value, exclusivity, and commercialization potential. Real-world monetization through licensing, technology transfer, and royalties was emphasized as a motivator for innovators and students.

Collaboration with MSMEs, affordable licensing models, and user-centered design were presented as key to scaling innovations. Educational resources such as Coursera, Swayam, YouTube channels, and open-access case studies were recommended for fostering IP literacy and innovation culture.

In conclusion, the masterclass provided a comprehensive guide to transforming creative ideas into protected, market-ready solutions through strategic use of IP. It advocated for a proactive, integrated approach to design and entrepreneurship, encouraging continuous awareness, vigilance, and engagement with the IP system to strengthen India's innovation landscape.



Banner of the Event

IIC MCKVIE Presents
MIC Driven Activity
DISCOVER MORE WITH
DESIGN REGISTRATIONS: MASTERCLASS ON
PATENTS AND DESIGN

Dr. RK Chakraborty
PROF. & HEAD, SCHOOL OF DESIGN AND INNOVATION, KOLKATA UNIVERSITY

Prof. Gauri Gargate
Asst. PROFESSOR, IIT BOMBAY

22nd April, 2025
11:30 AM
9 MCKVIE

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

Photographs of the Event





INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Copy That! Copyrights Uncovered: Masterclass on Copyrights
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	23.04.2025
Program Ending Date	23.04.2025
Number of Students Participants	42
Number of Faculty Participants	19
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	To enhance understanding of copyright law, protection & challenges among creators and legal learners
Benefits in terms of learning/skill/knowledge development	Gained insights into copyright law, fair use, AI issues, and registration, enhancing awareness and compliance in intellectual property.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid0ze9J3Xj99UkzpPHJzkb1q24GUvFUJKUzbS1AK8Jmingdr2A1nqWLAsxRFAdyrAfGl/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914883885856391678?t=EnXq_Z5qUeLmJjUVF779lg&s=08 iii) Instagram: https://www.instagram.com/p/DIxhyBgSjNv/?igsh=MWx4aTluaGR3dWlocw==



Overall Report of the Activity

Date & Time: 23.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Ms. Anooja Padhee, Partner at K&S Partners, Intellectual Property Attorneys
(b) Dr. Hemant Khosla, Sr. Examiner of TM, GI & Copyrights and Deputy Registrar of Copyrights, DPIIT Ministry of Commerce & Industry, GoI

Topic: Copy That! Copyrights Uncovered: Masterclass on Copyrights

Key Learning:

- To enhance knowledge of copyright as a key IP tool protecting original literary, artistic, and digital works.
- To discuss the legal framework, rights of authors, and enforcement mechanisms available under national and international regimes.
- To promote respect for copyright and foster a deeper understanding of its role in supporting creative economies.
- To discuss the legal framework, rights of authors, and enforcement mechanisms available under national and international regimes.
- To promote respect for copyright and foster a deeper understanding of its role in supporting creative economies.

The IP Masterclass session, held on World Book and Copyright Day, focused on the fundamentals, enforcement, and emerging challenges of copyright law in India. Led by Ms. Anooja Padhee, an IP law expert, and Dr. Hemant Khosla, Deputy Registrar of Copyrights of India, the session offered deep legal and practical insights into the rights of creators, protection mechanisms, and current developments.

The session clarified that **copyright protection is automatic** upon the creation of an original work but **registration provides legal evidence** in case of disputes. Covered works include literary, artistic, musical, cinematographic, and digital creations like software. Key legal principles were explored, such as the **idea-expression dichotomy** (RG Anand vs Deluxe Films) and the **requirement of originality** involving a "modicum of creativity" (Eastern Book Company vs DB Modak).

Copyright societies were discussed as vital for managing rights and royalties, but the need for proper registration was stressed, illustrated by the Azure Hospitality vs PPL case. **Practical advice** on registration, documentation, and cost structures was provided, including distinctions between licensing and assignment.

A major segment addressed AI-generated content and related legal uncertainties. Referencing a real-time case (ANI vs OpenAI), the session examined authorship, data scraping for training, and enforcement gaps—highlighting the need for legal evolution in the face of advancing AI.

Dr. Kosla detailed how the Copyright Office is modernizing through online filing (96%), video hearings, and digitization, aiming to increase accessibility and reduce barriers. Despite these advancements, registration rates remain low, pointing to a pressing need for more awareness.

Fair use exceptions, the duration of copyright (life + 60 years), ownership rules for employment and commissioned works, and economic and moral rights were thoroughly explained. The



session emphasized the importance of understanding international treaties like TRIPS and Berne Convention, which ensure equal protection for foreign works under Indian law.

Finally, the Q&A addressed practical concerns around AI, licensing, traditional arts protection, and registration nuances. Educational outreach programs like the National IP Awareness Mission were encouraged to build a broader culture of IP respect and legal literacy.

Overall, the session offered a comprehensive, current, and actionable overview of copyright law, equipping creators, students, and legal professionals with the knowledge to navigate and protect creative rights in an evolving digital landscape.



Banner of the Event



Photographs of the Event







Report on Anharmonicity: The Battle of Unconventional Mind

Date: 24th April, 2025

The event "*Anharmonicity: The Battle of Unconventional Mind*" was organized on **24th April, 2025**, with the aim of fostering creativity, analytical ability, and problem-solving among students. The event provided a platform where technical skills met artistic expression, and knowledge intersected with strategy. It was designed to cultivate a mindset of **innovation, entrepreneurship, strategic thinking, and design thinking**, ensuring a holistic learning experience for participants.



Objectives

- To encourage **innovation** by engaging students in creative and technical tasks.
- To develop **entrepreneurial skills** such as decision-making, negotiation, and risk management.
- To enhance **strategic thinking** through competitions that demand planning and collaboration.
- To foster **design thinking** by combining creativity, precision, and problem-solving.

Mock IPL Auction

The day began with the **Mock IPL Auction**, where participants assumed the role of franchise owners. With a limited budget, they had to acquire players through bidding while building the most competitive team. This event reflected **entrepreneurship and**

strategic thinking, as participants applied market insights, negotiation tactics, and financial management skills.



Technical Drawing

The **Technical Drawing Competition** showcased students' precision and innovation in engineering visualization. Contestants created detailed sketches that balanced accuracy with creativity. The competition embodied **design thinking**, as students explored practical yet imaginative solutions through their drawings.



Photography Competition

The **Photography Competition** celebrated artistic expression and perspective. Participants were challenged to capture frames that told unique stories. This event emphasized **innovation**, encouraging individuals to explore unconventional angles and ideas in visual storytelling.



Quiz

he final event, the **Quiz Competition**, tested knowledge across diverse domains such as science, technology, current affairs, and general knowledge. The team-based format required **strategic thinking** and collaboration, as participants analyzed questions quickly and coordinated responses under pressure.



Outcomes

- Students gained exposure to real-world skills including **entrepreneurship, design thinking, and innovation.**
- Participants demonstrated critical problem-solving abilities, teamwork, and leadership qualities.
- The events promoted interdisciplinary learning by blending technical knowledge with creative and strategic skills.

- The enthusiastic participation and vibrant atmosphere reflected the event's success.



Anharmonicity: The Battle of Unconventional Mind was a resounding success, uniting diverse disciplines under one platform. Through its four sub-events—Mock IPL Auction, Technical Drawing, Photography Competition, and Quiz—it provided participants with opportunities to apply **innovation, entrepreneurship, strategic thinking, and design thinking**. The event not only tested the participants' knowledge and creativity but also nurtured holistic skills essential for future challenges.



MCKV INSTITUTE OF ENGINEERING

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NAAC Accredited "A" Grade Institute



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

Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/

The 79th Independence Day of India was celebrated with great enthusiasm and patriotic spirit at **MCKV Institute of Engineering (MCKVIE)**. The entire campus was adorned with tricolour decorations, and the students, faculty members, and staff assembled to commemorate the occasion with dignity and pride. The programme was organized to honor the sacrifices of our freedom fighters and to instill in the younger generation a sense of unity, responsibility, and devotion towards the nation.

Flag Hoisting Ceremony

The celebration began with the hoisting of the National Flag by our respected Chairman sir, Principal sir and other dignitaries of the institute. The event was followed by the singing of the National Anthem by all attendees, which created an atmosphere of pride and reverence. This solemn moment served as a reminder of the struggles endured during the freedom movement and the significance of preserving the values of democracy and independence.

Cultural and Academic Events

After the flag hoisting, a variety of cultural and academic programmes were conducted, showcasing the creativity and talent of the B.Tech students. The performances included:

- **Student Parade** which added grandeur to the celebration by demonstrating discipline, coordination, and respect for the national values.
- **Patriotic Dance Performances** symbolizing unity and diversity of the nation.
- **Singing of Patriotic Songs** that evoked deep feelings of love and respect for the country.
- **Poem Recitations** dedicated to freedom fighters and the glory of India.
- **Quiz Competitions** based on India's history, culture, and achievements, encouraging intellectual participation among students.

Participation and Impact

The active involvement of B.Tech students in these events highlighted their enthusiasm and commitment to national pride. The performances not only enriched the celebration but also served as a medium to spread awareness about India's glorious past and vision for the future. Faculty members and staff encouraged the students, and their presence added to the significance of the programme.

Conclusion

The Independence Day celebration at MCKVIE Institute was a memorable and inspiring event. It successfully brought together the entire academic community in a spirit of patriotism, unity, and cultural harmony. The programme instilled in the students a renewed sense of duty towards the nation and reinforced the importance of working collectively for the country's progress. The event concluded with a vote of thanks, expressing gratitude to all participants, organizers, and dignitaries who contributed to the success of the programme.

Enclose 2-3 nos photographs in JPG Format and paste the same in the box below:



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Date of submission: 26/08/2025



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Event Reference:	Face book: https://www.facebook.com/61550935470025/posts/122254758098031182 Instagram: https://www.instagram.com/p/DNQihK_SdBU/?igsh=MTRtYWt3YjA2b3gyaw==
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Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	"Overview of Steam Turbine in Thermal Power Plant".		
Programme/Event type (choose and write only the appropriate one from the list)	Expert Talk/ Lecture (Seminar)		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering Dept.	Venue	Online
Sponsored by (if any):	NA	Amount of sponsorship (Rs.)	NA
Date of Commencement: (in dd/mm/yyyy format)	06/04/2025	Date of Completion: (in dd/mm/yyyy format)	06/04/2025
Duration of event: (in days and mention hours for hands-on training program)	2 hours 15 minute	Mode of programme (online/offline):	Online
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Subhojit Paul, AUE dept.	Mob No.	7980557743
Convenor of the program/ Event (Full Name with Dept.)	Nirvik Banerjee, AUE dept.	Mob No.	7059249023
Type of Participants:	Btech Students	No. of Participants :	Staff:5 Students:60

Brief Report on the Event

The Automobile Engineering Department of MCKV Institute of Engineering successfully organized an online seminar on "Overview of Steam Turbine in Thermal Power Plant "for B.tech in Automobile Engineering & Mechanical Engineering students of MCKVIE on 06/04/2025. The event was conducted at the online platform, providing theoretical knowledge about turbine and working principal of steam power generation. A live interaction with Mr. Roy allowing students to gain knowledge about working of thermal power plant. The interactive session encouraged students to ask questions, discuss emerging career opportunities, and understand industry expectations.

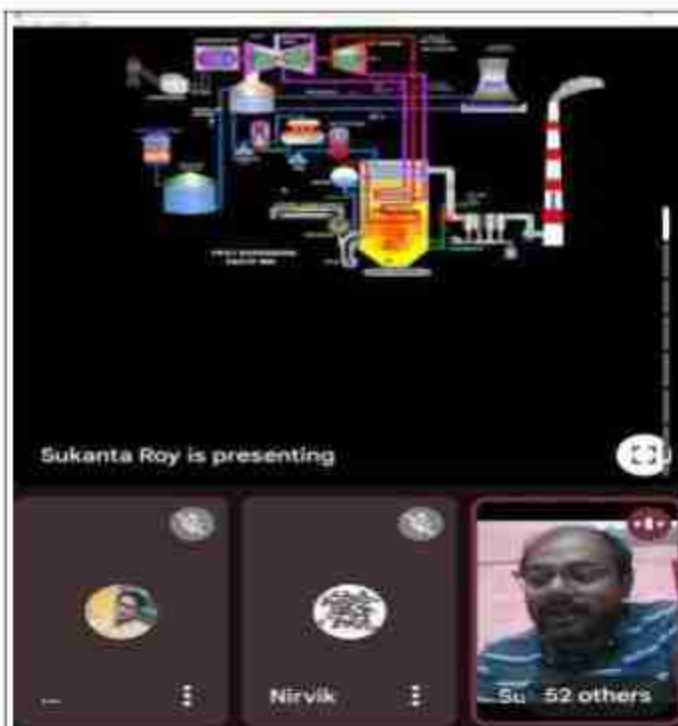


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Date of submission: 10/04/2025



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Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	"Advancements and Future Prospects of Alternative Fuels in IC Engines".		
Programme/Event type (choose and write only the appropriate one from the list)	Expert Talk/ Lecture (Seminar)		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering Dept.	Venue	Seminar room B-312
Sponsored by (if any):	College Sponsorship	Amount of sponsorship (Rs.)	4000
Date of Commencement: (in dd/mm/yyyy format)	07/04/2025	Date of Completion: (in dd/mm/yyyy format)	07/04/2025
Duration of event: (in days and mention hours for hands-on training program)	2 hours 30 minutes	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Subhojit Paul	Mob No.	7980557743
Convenor of the program/ Event (Full Name with Dept.)	Nirvik Banerjee, AUE dept.	Mob No.	7059249023
Type of Participants:	B. Tech Students	No. of Participants :	Staff:5 Students:65

Brief Report on the Event

The Automobile Engineering Department of MCKV Institute of Engineering successfully organized an online seminar on "Advancements and Future Prospects of Alternative Fuels in IC Engines" for B.tech in Automobile Engineering & Mechanical Engineering students of MCKVIE on 07/04/2025. The event was conducted at the offline platform, providing theoretical knowledge about possible alternative and how it is implemented in power generation. A live interaction with Dr. Mithun Das, allowing students to gain knowledge about alternative fuel. The interactive session encouraged students to ask questions, discuss emerging career opportunities, and understand the automobile industry expectations.



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Date of submission: 10/04/2025



MCKV INSTITUTE OF ENGINEERING

An Autonomous Institute under UGC Act 1956
Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, W.B.
NAAC Accredited "A" Grade Institute

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

Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/



Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	"Concept of Fluid Power control & its Application".		
Programme/Event type (choose and write only the appropriate one from the list)	Expert Talk/ Lecture (Seminar)		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering Dept.	Venue	Online
Sponsored by (if any):	College Sponsorship	Amount of sponsorship (Rs.)	1000
Date of Commencement: (in dd/mm/yyyy format)	08/04/2025	Date of Completion: (in dd/mm/yyyy format)	08/04/2025
Duration of event: (in days and mention hours for hands-on training program)	2 hours 15 minute	Mode of programme (online/offline):	Online
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Subhojit Paul	Mob No.	7980557743
Convenor of the program/ Event (Full Name with Dept.)	Nirvik Banerjee, AUE dept.	Mob No.	7059249023
Type of Participants:	B.Tech Students	No. of Participants :	Staff:5 Students:57

Brief Report on the Event

The Automobile Engineering Department of MCKV Institute of Engineering successfully organized an online seminar on "Concept of Fluid Power control & its Application" for B.tech in Automobile Engineering & Mechanical Engineering students of MCKVIE on 08/04/2025. The event was conducted at the online platform, providing theoretical knowledge about fluid power system. A live interaction with Dr. Nitesh Mondal allowing students to gain knowledge about working principle of fluid power system and its applications in automobile and heavy industries. The interactive session encouraged students to ask questions, discuss emerging career opportunities, and understand industry expectations.

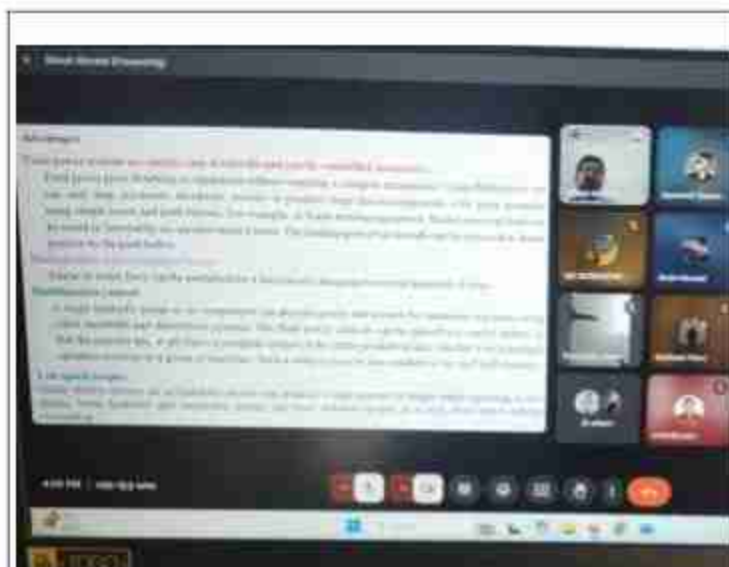


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Date of submission: 10/04/2025

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-“ Basics of Intellectual Property Rights and Importance for Innovators and Entrepreneurs” on 14th Novemver, 2024 at 12.50 PM onwards. The speaker of the session was Dr. Debopoma Kar Ray, Assistant Professor, EE Department, MCKVIE. The vision of the program is to create more job opportunities and a better work environment for all including IPRs, 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.

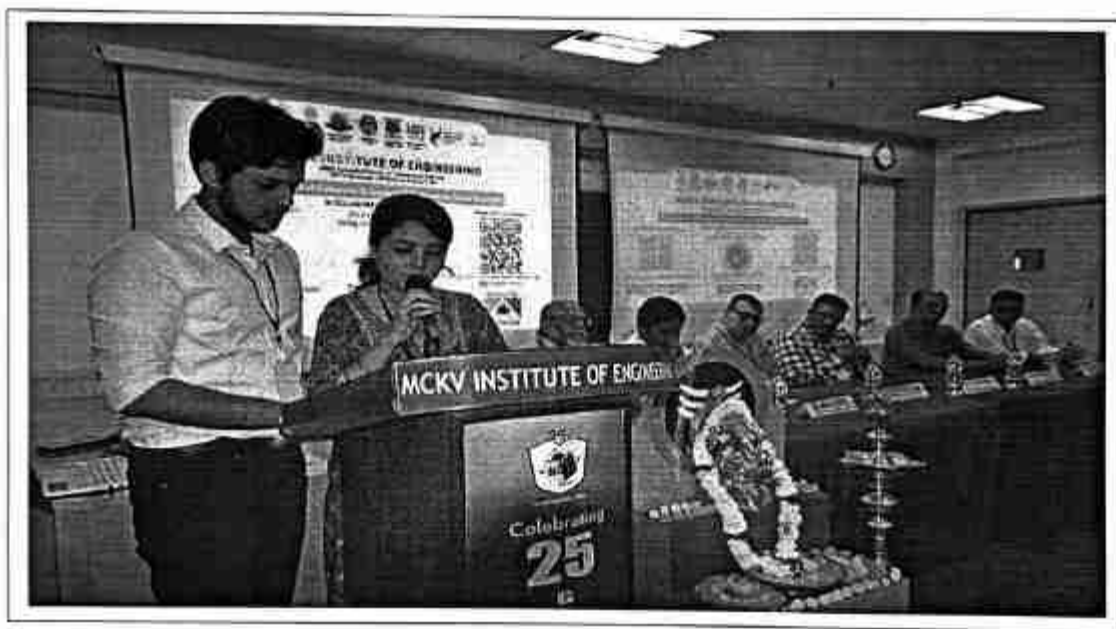
This leadership talk was strengthened by 48 student members and 3 Faculty members of MCKVIE. The program is concluded with the vote of thanks by Mr. Sudeep Samanta, Assistant professor, EE department.





Report on DATAQUEST 2K25, organized by CSE (DS) , February 25-27, 2025

*It is our immense pleasure to announce that the Department of Computer Science and Engineering (Data Science) successfully organized **DATAQUEST 2K25** which was held between 25th February, 2025 and 27th February, 2025. 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, and Coordinator of DATAQUEST 2K25 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, Co-Coordinator of **DATAQUEST- 2K25**. The inauguration program was hosted in an elegant way by the student anchors.*



Audience at B – 312 (B block)



Hosting Round 1: Apti Arena of DataQuest 2K25

*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 C, Java 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 Prize Distribution Ceremony

A student committee was formed with 19 members from both CSE, CSE-AIML 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.



Hosting Round 2: Data Decipher of DataQuest 2K25



Hosting Round 3: Python Pinnacle of DataQuest 2K25

A total of 141 student teams registered for the event. Among 141 registered teams, 115 teams participated in the first round, and after the first-round screening 20 teams moved to second round, and finally 8 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-2K25:

Rank 1: Team Data Alchemists [Srinjoy Bhowmick (CSE-AIML, UEM, Kolkata) and Samaraho Mukherjee (CSE-AIML, UEM, Kolkata)]

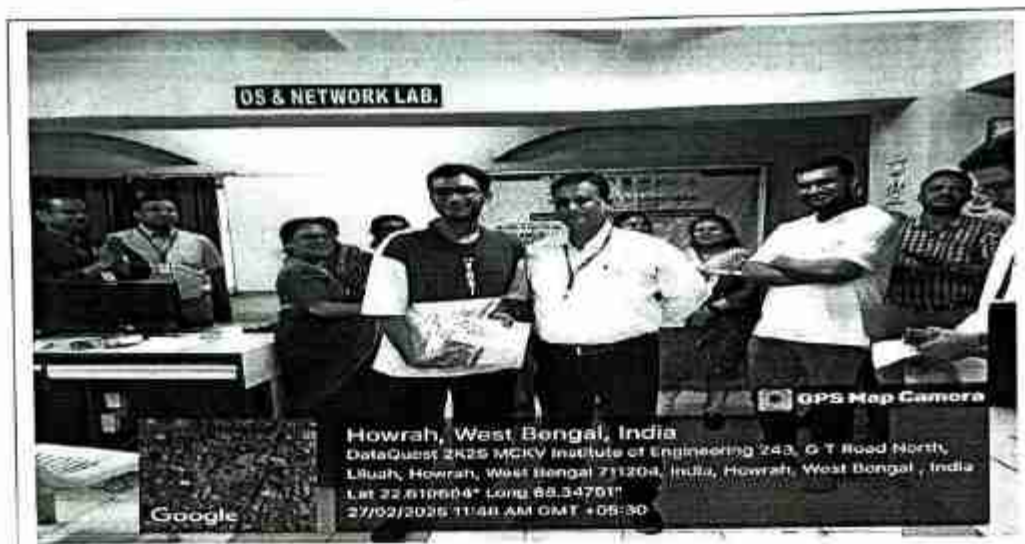
Rank2: Team Aces [Anirban Chakraborty (CSE-AIML, MCKVIE, Howrah) and Kritika Choudhuri (CSE-AIML, MCKVIE, Howrah)]

Rank3: Team Brain Knights [Anjali Gupta (CSE-DS, MCKVIE, Howrah) and Tushar Gupta (CSE, MCKVIE, Howrah)]



Winners of DATAQUEST-2K25

Every participant received chocolates and a participation certificate, 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 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 wholeheartedly 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 as the Co-ordinator of DATAQUEST-2K25 along with Mr. Shukla Mondal and Mr. Arkadeep Goswami, who were the Co-coordinators, Dr. Soma Bandyopadhyay and Mr. Puspen Lahiri, who were the Joint Convenors of the event. The entire event will remain in our memories, and we will try to organize a similar type of event again in the near future.


 (Mr. Shukla Mondal)
 Co-Coordinator, DATAQUEST-2K25


 (Mr. Arkadeep Goswami)
 Co-coordinator, DATAQUEST-2K25


 (Dr. S. S. Thakur)
 Coordinator, DATAQUEST-2K25
 & TIC – CSE(DS)


 (Mr. Avijit Bose)
 HOD-CSE

STATEMENT OF EXPENDITURE FOR "DATAQUEST-2K25"

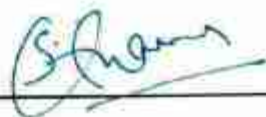
Sl.No.	Item	Expenditure (Rs.)
1.	Prizes for 1 st , 2 nd and 3 rd Teams (Bills attached)	5985.00
2.	Food 65 plates @ Rs. 90/plate (Bill attached)	5850.00
3.	Durga Digital for Banner, Certificate, Brochure, ID Card, etc. (Bill not received)	2000.00
4.	Miscellaneous (Details attached)	1462.00
Total Amount (Rs.): Fifteen Thousand Two Hundred and Ninety seven only		Rs. 15297.00



Prof. (Dr.) S. S. Thakur
(Coordinator, DATAQUEST-2K25)

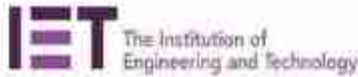
DETAILS OF THE MISCELLANEOUS EXPENDITURE FOR "DATAQUEST-2K25"

Sl.No.	Items	Expenditure (Rs.)
1.	Water bottle (Small size), Tea, Biscuit, Cashew for the Dignitaries, Tea and Biscuits for the staff members	710.00
2.	Cold drinks and GoodDay Biscuits for organizing committee members	337.00
3.	Eclairs for participants (2 Boxes)	415.00
Total	Rupees One Thousand Four Hundred and Sixty-Two only	1462.00



Prof. (Dr.) S. S. Thakur
(Coordinator, DATAQUEST-2K25)

The Institution of Engineering and Technology



Kolkata Local Network

Event Report

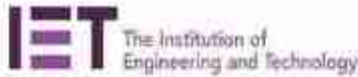
1. Event Name Type: Workshop
2. Event Title: 5 days workshop on Application of ETAP for analysis of Power System Network
3. Event Date: 28th July to 1st August, 2025
4. Event Venue: MCKV Institute of Engineering
5. Event Co-ordinated by: Dr. Debopoma Kar Ray, Mr. Sudeep Samanta, EE department, MCKVIE
6. No. of Attendees: 72
7. No of student attendees – Members: 72
8. No of student attendees - Non Members: 00
9. No. of professional attendees – Members: 00
10. No. of professional attendees - Non Members: 00
11. Total Budget: Rs. 39, 375/-
12. Approved Event Budget by IET KLN (Fill up by IET KLN): Rs. 40,000/-
13. Actual Budget Contribution by IET (Fill up by IET KLN): Rs. 39, 375/-
14. Budget Contribution by Parent Institute/ Organization: Rs. 0/-
15. Short description about the event and its objectives (150 words):

ETAP is the most comprehensive analysis platform for the design, simulation, operation, and automation of generation, distribution, and industrial power systems. A real-time intelligent PC-based energy management software application that runs as an operator workstation to monitor, control, and optimize the operation of your power system while simultaneously serving as an engineering workstation capable of utilizing real-time data to perform full spectrum power system analyses.

Course Contents

- Motor Modeling
- Transient Analysis (e.g. Transformer and Motor)
- Power System Grounding

The Institution of Engineering and Technology



Kolkata Local Network

Event Report

- Harmonics Studies
- Protection O/C 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

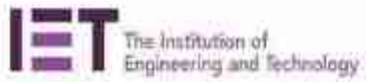
16. Who were present and how did it benefit those present? (word limit 50):

EE 3rd and 4th-year students from 72 IET student chapters across West Bengal attended. Five external and two internal speakers conducted a 5-day session, training students on power system design and analysis using industry-relevant software, enhancing their practical skills and aligning them with modern industry requirements.

17. Event Photographs



The Institution of Engineering and Technology



Kolkata Local Network

Event Report



Event Report

One Day industry visit in Haldia Energy Limited

Date: 29th march, 2025

A one-day industry visit to Haldia Energy Limited was organized to provide students with practical exposure to modern power generation systems. During the visit, students observed the operational workflow of a thermal power plant, including the processes of coal handling, boiler operation, turbine functioning, and power transmission. The visit offered valuable insights into the safety protocols, environmental management practices, and the application of automation in energy production. Engineers and professionals at the plant shared their experiences and explained the significance of efficiency and innovation in the energy sector. The interaction helped students understand the importance of adopting sustainable and smart technologies in large-scale operations. Overall, the visit bridged the gap between academic knowledge and industrial practice, motivating students to explore innovative solutions and pursue careers in the energy domain. The visit successfully aligned with the theme of Innovation & Design Thinking and was a highly enriching experience.

EVENT REPORT

Event Title:

Build Lean and Launch Smart : The Founder's Blueprint: Live with Shivam Nandy

Organized By:

The Start-Up Club

MCKV Institute of Engineering

Date:

1st August 2025

Venue:

B312 Seminar Hall, MCKV Institute of Engineering

Event Objective:

The event was organized with the vision to provide students of MCKV Institute of Engineering a real-time understanding of how technology, innovation, and entrepreneurship converge in the startup ecosystem. The goal was to bridge the knowledge gap between textbook concepts and practical industry applications by learning directly from an industry leader.

About the Speaker:

Mr. Shivam Nandy

- Co-founder, Wisemelon.ai
- Co-organizer, CNCF Kolkata

A passionate technologist and advocate for open-source innovation, Mr. Nandy has played a crucial role in mentoring young tech talent and building scalable AI-driven startup solutions.

Event Highlights:

The session was highly interactive and intellectually enriching. Mr. Nandy covered a wide range of topics relevant to today's tech-driven startup world, such as:

- Understanding Real-World Technology Challenges

- Demystifying Cloud Computing and its practical uses
 - A walkthrough of How Startups Work
 - The concept and importance of an MVP (Minimum Viable Product)
 - Techniques to Clear Basic Concepts in Tech
 - Importance of Open Source and Community Collaboration
 - Career path suggestions for tech-oriented entrepreneurs
 - Live discussion on innovative thinking and adaptability in tech
-

Participation & Engagement:

- Total Attendees: Over 50 students from multiple departments (CSE, AIML, ECE, IT, ME, etc.)
 - Format: Keynote session + Live Q&A
 - Students engaged enthusiastically, raising thoughtful questions on product building, skill development, and startup culture.
-

Snapshots of the Event:



The Founder's Blueprint: Live with Shivam Nandy



Acknowledgement:

We thank Mr. Shivam Nandy for sparing his valuable time and sharing such invaluable insights with our students. His practical approach and motivational guidance will surely help the students shape their careers with a clearer vision and deeper understanding.

Supporting Information:

- List of attendees (50+ students) and organizing committee members will be submitted as a separate document.
 - Feedback from students indicated a high level of satisfaction and demand for more such sessions.
-

Conclusion:

The Founder's Blueprint was not just a speaker session—it was a knowledge-sharing platform where vision met action. The Start-Up Club looks forward to organizing more such high-impact sessions that prepare students to be future-ready in the ever-evolving tech and entrepreneurial ecosystem.

Prepared by:

The Start-Up Club
MCKV Institute of Engineering

Dated:

1st August 2025

Event Report on “Intra Institutional Innovation Competition”

Intra Institutional Innovation Competition has been organized during **4th-5th February, 2025** by IIC. This contest showcased various Innovative Ideas and Models Developed by the students of MCKVIE in the college campus. The event started at **10AM on 04/02/2025** with formal inauguration.

The participants have exhibited their prototypes and its operational features along with its real time employability. Remarkable features of some of the working models have been demonstrated by the students. Evaluators from external institutions assessed their functionalities and significance precisely and advised with some suggestions for the further upgradation of the models.

The noteworthy feature of participating group and their exhibited models were enlisted in **YUKTI Repository** during 2024-25.

Furthermore, in another session on **05/02/2025**, evaluators examined the novel features, significance and the real time applicability of the ideas that were delivered as a plan of work in future. Students revealed some roadmaps regarding the execution and accomplishment of their respective plans which inevitably viable for the sustainable development of society.

Finally, two groups of participants were awarded with winner and runner-up with respect to the excellence of their proposed and exhibited models. The event concluded at **4:30pm on 05/02/2025** with prize distribution. Total duration of the event was 660 minutes.

Participation details:

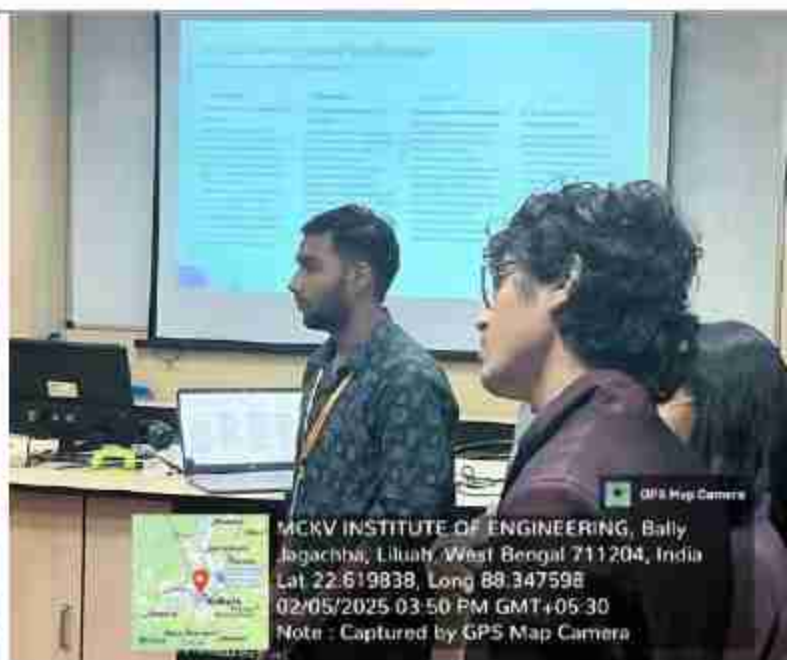
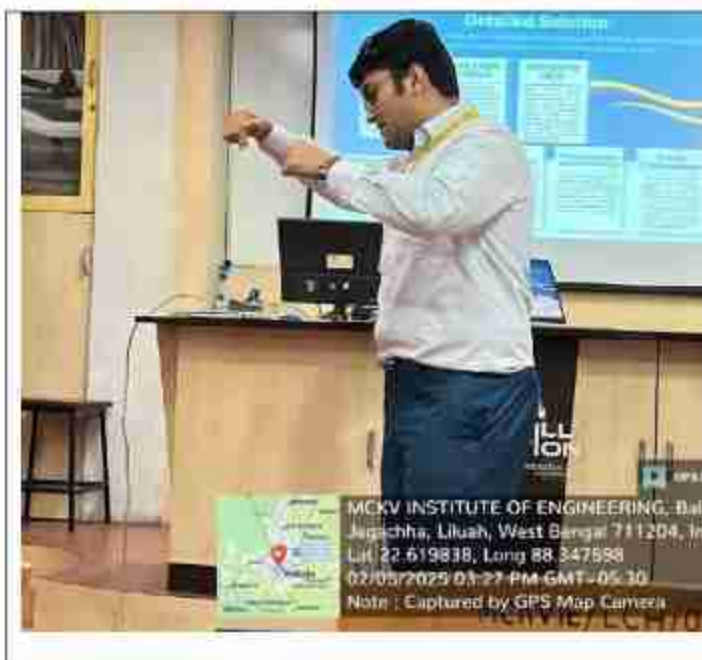
- No. of participants= 135 students
- No. of groups= 34 (Each comprises approx 4 students)
- No. of External Evaluators = 02
- No. of Internal Evaluators = 02

Winner and Runner-up details:

<u>Innovation Title</u>	<u>Innovation Id & Year</u>	<u>Team Leader</u>	<u>Rank</u>
Design and Development of Artificial Intelligence based low cost automatic solar panel cleaning system in dusting environment	Ir2024899891, 2024	Mr. Samrat Hazra	1 st
Thermoelectric couple based Freon free energy efficient Air Conditioning System in Electric Vehicle	Ir2024899575, 2024	Ms. Megha Bhattacharjee	2 nd

Some Glimpses of the Event:





Name of Event Coordinator: Dr. Rajarshi Sanyal

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

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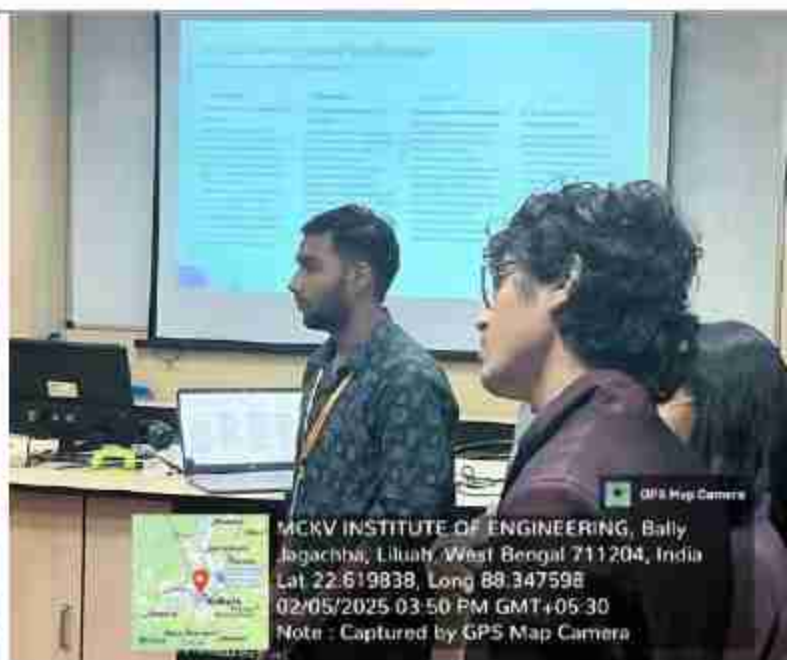
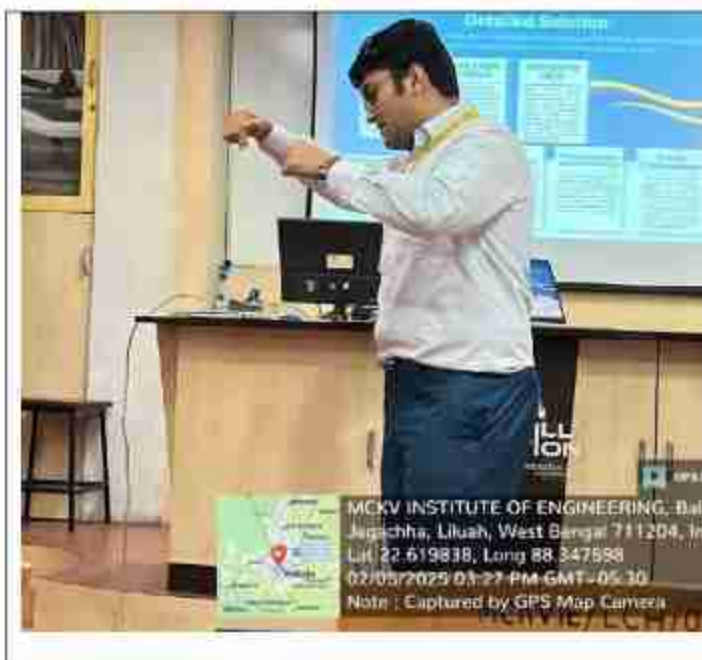
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Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	PULSE.EXE 2025		
Programme/Event type (choose and write only the appropriate one from the list)	Competition		
Organised by (name of dept/ institution/club/cell):	IT Department	Venue	MCKVIE, Block A, 2 nd Floor, 243 G.T. Road (N), Liluah, Howrah, 711204
Sponsored by (if any):	EUPHORIA GenX	Amount of sponsorship (Rs.)	5000/-
Date of Commencement: (in dd/mm/yyyy format)	25/04/2025	Date of Completion: (in dd/mm/yyyy format)	26/04/2025
Duration of event: (in days and mention hours for hands-on training program)	2 days	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Mrs. Jayanti Mahata ,Assistant Professor, Department of Information Technology	Mob No.	9732526103
Convenor of the program/ Event (Full Name with Dept.)	Mrs. Sulagna Roy, Assistant Professor Mr. Shuvankar Chowdhury, Senior Lab Instructor Department of Information Technology		8697553239 9433225130
Type of Participants:	Students from All Departments	No. of Participants :	Staff: 00 Students: 126
Brief Report on 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: Round 1: Crack track: Aptitude test. 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. Round 2: NeuroHack: Hack your neurons for creative ideas. Total 20 teams qualified for this round from Round 1. Final Round: Surprise round. In this round 5 qualified teams from round 2, were asked to solve their innovative ideas and also need to implement the idea within the stipulated time period. They took help of different simulator software. Outcome of the Event: It helps to gain the confidence of the participants over Idea generation and coding for solving real life innovative idea. These problem solving skills also help to develop more skills in a person and build a promising career in future.			



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Event Photographs:



Date of submission: 08/05/2025

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 25th February, 2025 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 12:30 PM with formal inauguration of the renowned Speaker Mr. Subrata Saha, DGM, Reliance Jio, by our student Ms. Srileena Roy.

Mr. Saha resonated his valuable speech in order to share the significance of Technology Transfer along with some remarkable achievements in various domains such as Tech-transfer cycle using the Telecommunication System based on Optical fiber and RF Link.

The focusing issue of Mr. Saha'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 in modern communication systems.

The lecture concluded with interaction among 91 students and 12 number of faculty members and their enthusiastic appreciation.

Name of Event Coordinator: Dr. Rajarshi Sanyal

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

Some Glimpses of the Event:





EVENT BANNER





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 “Paving Way to Innovation” on 24th, 25th and 28th February, 2025

The workshop, *Paving Way to Innovation*, organized by the Basic Science and Humanities Department on 24th, 25th, and 28th February 2025, was a resounding success, inspiring 426 first-year students to cultivate an innovative mindset. Mandatory for all newcomers, the workshop comprised five sessions, each featuring insightful speeches from distinguished dignitaries, including Prof. (Dr.) Abhijit Lahiri (Principal), Prof. (Dr.) Sudipta Chaki (Dean of Administration), Prof. (Dr.) Satadal Saha (Dean of Academics), Prof. (Dr.) Arun Kumar Jalan (Dean of Student Affairs), Dr. Prasenjit Chatterjee (Dean of Research and Consultancy), and Dr. Dipankar Ghosh (HOD, Basic Science). Their addresses set the stage, instilling enthusiasm and curiosity among attendees.



The keynote sessions, led by Dr. Supriya Das and Mr. Mojammel Rahaman, introduced students to the essence of innovation through engaging games, thought-provoking discussions, and relatable real-world examples. Additionally, Dr. Tanmoy Roy Chowdhury conducted an interactive brainstorming session, where students were presented with innovative puzzles and challenges. These activities encouraged analytical thinking and creative problem-solving, igniting the spirit of future innovators.



The workshop commenced with an innovative word game, setting a lively and engaging tone. Speakers illustrated the meaning and necessity of innovation by addressing common everyday challenges such as water pipe bursts and phone screen breakage. These examples not only demonstrated the significance of need-driven innovation but also clarified the fundamental differences between innovation and invention. The discussions also shed light on the hurdles faced in the journey of innovation.



One of the key highlights of the workshop was the exploration of innovation in Artificial Intelligence and Robotics, with a special focus on the humanoid robot *Ameca*. Another noteworthy discussion revolved around sustainable water solutions, introducing the *Watergem Mobility*, a mobile Atmospheric Water Generator (AWG) system designed to provide clean water efficiently.

The workshop also addressed innovations designed to enhance accessibility for visually impaired individuals. The *OrCam MyEye 2 Pro*, a cutting-edge device integrating advanced AI, machine learning, and a compact camera to interpret and vocalize visual information in real-time, served as an inspiring example of technology's role in transforming lives.

Participants were introduced to different types of innovation—incremental, disruptive, and architectural—through contemporary examples. The ongoing AI race was exemplified by a comparative analysis of *DeepSeek* with existing AI models, illustrating how innovation can thrive even in competitive landscapes. Lifestyle innovations, such as the AI-powered *New 4-Door Family Hub*, were also discussed, highlighting how technology is revolutionizing everyday life.

Throughout the workshop, students actively participated in hands-on activities, brainstorming exercises, group discussions, and idea-generation tasks. These interactive elements provided them with practical exposure, encouraging them to think critically and develop solutions for real-world problems.



The event concluded with a vote of thanks by Mr. Milan Chakraborty, who reiterated that innovation is about both generating new ideas and enhancing existing ones. Students were urged to observe their surroundings, identify challenges, and approach problem-solving with creativity and innovation.

In summary, the *Paving Way to Innovation* workshop successfully nurtured a spirit of creativity among students, equipping them with valuable insights into the multifaceted nature of innovation and its impact on society.

(Mr. Milan Chakraborty)
Event Coordinator

(Dr. Dipankar Ghosh)
HOD, BSH



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



Report on “Paving Way to Innovation” on 24th, 25th and 28th February, 2025

The workshop, *Paving Way to Innovation*, organized by the Basic Science and Humanities Department on 24th, 25th, and 28th February 2025, was a resounding success, inspiring 426 first-year students to cultivate an innovative mindset. Mandatory for all newcomers, the workshop comprised five sessions, each featuring insightful speeches from distinguished dignitaries, including Prof. (Dr.) Abhijit Lahiri (Principal), Prof. (Dr.) Sudipta Chaki (Dean of Administration), Prof. (Dr.) Satadal Saha (Dean of Academics), Prof. (Dr.) Arun Kumar Jalan (Dean of Student Affairs), Dr. Prasenjit Chatterjee (Dean of Research and Consultancy), and Dr. Dipankar Ghosh (HOD, Basic Science). Their addresses set the stage, instilling enthusiasm and curiosity among attendees.



The keynote sessions, led by Dr. Supriya Das and Mr. Mojammel Rahaman, introduced students to the essence of innovation through engaging games, thought-provoking discussions, and relatable real-world examples. Additionally, Dr. Tanmoy Roy Chowdhury conducted an interactive brainstorming session, where students were presented with innovative puzzles and challenges. These activities encouraged analytical thinking and creative problem-solving, igniting the spirit of future innovators.



The workshop commenced with an innovative word game, setting a lively and engaging tone. Speakers illustrated the meaning and necessity of innovation by addressing common everyday challenges such as water pipe bursts and phone screen breakage. These examples not only demonstrated the significance of need-driven innovation but also clarified the fundamental differences between innovation and invention. The discussions also shed light on the hurdles faced in the journey of innovation.



One of the key highlights of the workshop was the exploration of innovation in Artificial Intelligence and Robotics, with a special focus on the humanoid robot *Ameca*. Another noteworthy discussion revolved around sustainable water solutions, introducing the *Watergem Mobility*, a mobile Atmospheric Water Generator (AWG) system designed to provide clean water efficiently.

The workshop also addressed innovations designed to enhance accessibility for visually impaired individuals. The *OrCam MyEye 2 Pro*, a cutting-edge device integrating advanced AI, machine learning, and a compact camera to interpret and vocalize visual information in real-time, served as an inspiring example of technology's role in transforming lives.

Participants were introduced to different types of innovation—incremental, disruptive, and architectural—through contemporary examples. The ongoing AI race was exemplified by a comparative analysis of *DeepSeek* with existing AI models, illustrating how innovation can thrive even in competitive landscapes. Lifestyle innovations, such as the AI-powered *New 4-Door Family Hub*, were also discussed, highlighting how technology is revolutionizing everyday life.

Throughout the workshop, students actively participated in hands-on activities, brainstorming exercises, group discussions, and idea-generation tasks. These interactive elements provided them with practical exposure, encouraging them to think critically and develop solutions for real-world problems.



The event concluded with a vote of thanks by Mr. Milan Chakrabortty, who reiterated that innovation is about both generating new ideas and enhancing existing ones. Students were urged to observe their surroundings, identify challenges, and approach problem-solving with creativity and innovation.

In summary, the *Paving Way to Innovation* workshop successfully nurtured a spirit of creativity among students, equipping them with valuable insights into the multifaceted nature of innovation and its impact on society.

(Mr. Milan Chakrabortty)
Event Coordinator

(Dr. Dipankar Ghosh)
HOD, BSH



MCKV Institute of Engineering (MCKVIE)
Institution's Innovation Council (IIC) in collaboration of Dept. Management Science
organised

B-Plan Pitch: A Poster Presentation Contest of Business Plans with Mentorship Support

Date of Event: 3.5.2025

Time: 9 a.m. to 6 p.m.

Mode: Offline

EVENT REPORT

The “B-Plan Pitch: A Poster Presentation Contest of Business Plans with Mentorship Support” was organised in SIT Hall of MCKV Institute of Engineering (MCKVIE) by Institution's Innovation Council (IIC) in collaboration of Dept. Management Science on 3.5.2025. The competition was of 9 hours' duration (including desk registration and prize distribution program times), from 9 a.m. to 6 p.m. However, the competition and mentoring sessions were from 10 a.m. to 5 p.m. The participating students were from various high schools and college. There were two distinct categories of competition – one for high-school students and another for college students. Students participated either individually or in teams of not more than 3 students. Each team had to present unique Business Plan in front of a Jury. The students brought either hand-drawn or printed posters illustrating and pitching the business plan. The evaluation parameters were transparently communicated to the students in registration document. The parameters to judge the merit of the plan included:

- a) Clarity of business plan. (15 marks)
- b) Originality of idea (25 marks)
- c) Contribution of the planned business towards the society and environment. (15 marks)
- d) Financial viability of business (15 marks)
- e) Completeness of plan and attention to detail (15 marks)
- f) Quality of presentation (ability to illustrate the plan through attractive drawing and effective communication). (15 marks)

The participation was based on online registration process without any registration fee.

The total number of student attendees was 45 distributed in 16 contesting teams. Total number of faculty participants were 11.

The program was inaugurated by Prof. (Dr.) Parthasarathi Chakraborty, Chief Executive Officer, MCKV Group of Institutions.

The poster presentations of the participating teams were judged by a panel of judges. The Jury members were Mr. Arun Mukherjee - Co-founder of Chaigram and Founder of Bengal Entrepreneurs' Ecosystem (BEE), Ms. Joyee Dey, Ms. Asha Sarkar, and Ms. Tasneem Habib - Co-founders of Titliya Fashion Studio and members of Bengal Entrepreneurs' Ecosystem (BEE), Mr. Jaydeep Bose - Co Founder & COO of Say Rooms & Homes, and Mr. Prabhat Das - Zonal Sales Manager, Jubilant Agri & Consumer Products Ltd.

Each team was mentored after their poster presentation and all the above-mentioned start-up owners evaluated their plans comprehensively and provided detailed insights on the scope of development of their plans.

The team named "Clean Co." from emerged as winner of the competition in the School Category. In the same category, the runners-up team was "Creators". Both the teams were from Agrasain Balika Siksha Sadan School, Liluah. The team "The Alchemist" won the college category competition, whereas, the team "Triple A" became the runners-up in the same category. Both the teams were from George Telegraph Institute of Accounts. Nevertheless, the poster presentations of other teams were highly appreciated by the Jury. The winner teams were awarded with cash prize of Rs.1000/- per participant and the runners-up teams were awarded with cash prize of Rs.500/- per participant. The Winners and Runners-Up certificates were presented on the stage along with the cash prize in the prize distribution ceremony. Each participant was presented with an e-Certificate of Participation within 10 days of the completion of the event i.e. by 12.5.2025.







			
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**B-Plan Pitch: A Poster Presentation
Contest of Business Plans with
Mentorship Support**

Organized by

**Institution's Innovation Council (IIC) and
Department of Management Science**

Date: 3.5.2025 Time: 10 a.m. to 5 p.m. Mode: Offline

Venue: MCKV Institute of Engineering

Event Flyer

 B-Plan Pitch: A Poster Presentation Contest of Business Plans with Mentorship Support <i>Organized by</i> Institution's Innovation Council (IIC) and Department of Management Science Date: 3.5.2025 Time: 10 a.m. to 5 p.m. Mode: Offline Venue: MCKV Institute of Engineering please Click here for more information	HIGHLIGHTS	Engage directly with founders of leading start-ups from the Bengal Entrepreneurship Ecosystem (BEE). • Open to high school and college students from all disciplines, participating individually or in teams of up to 3, under separate categories. • Each team/student presents one original business plan to a panel, supported by a 3 ft x 2 ft poster for on-the-spot pitching. • Top two teams win exciting prizes and Certificates of Achievement; all participants receive Certificates of Participation. Contacts: Dr. Soumyajit Das (9830333644) Dr. Anindita Ghosh (9830339009)
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**Event Flyer published in Website of MCKV Institute of Engineering
(www.mckvie.edu.in)**



**Institution's Innovation Council (IIC) and Department of Management Science,
MCKV Institute of Engineering (MCKVIE)**

organised

**Two-Day Workshop on Regulations Relating to Presentation of Annual Accounts of
Companies as per the Companies Act, 2013, and Various Issues Relating to Acquisition
and Merger of Companies**

IIC Activity [September 2024 to November 2024]

Date of Event: 13.11.2024 and 14.11.2024

EVENT REPORT

A two-day workshop on "Regulations Relating to Presentation of Annual Accounts of Companies as per the Companies Act, 2013, and Various Issues Relating to Acquisition and Merger of Companies" was conducted by the Department of Management Science in collaboration with Institution's Innovation Council (IIC). The dates of workshop was 13.11.2024 and 14.11.2024.

Mr. Subrata Kumar Ray, Professor of Maulana Abul Kalam Azad University of Technology (MAKAUT) and Ex-General Manager & Company Secretary, MSTC Limited (A Govt. of India Enterprise) and Ms. Arpita Dhal, Assistant Professor, MAKAUT, had taken the sessions. The students were enlightened by the speakers on most contemporary aspects of mergers and acquisition in India by Mr. Subrata Kumar Ray. The speaker cited various relevant cases on the said area. Ms. Arpita Dhal also taken engaging sessions on advanced financial accounting methods as laid down by Companies Act, 2013 with hands-on demonstration in the workshop.





MCKV Institute of Engineering
NAAC 'A' Grade Accredited Institute
MAKAUT Affiliated, AICTE Approved, NBA Accredited Courses
Department of Management Science & Institution's Innovation Council (IIC) present

Two-Day Workshop on Regulations Relating to Presentation of Annual Accounts of Companies as per The Companies Act, 2013, and Various Issues Relating to Acquisition and Merger of Companies



Speaker:
Mr. Subrata Kumar Roy
 General Manager (P)
 Company Secretary
 IIMB (at New Delhi)



Speaker:
Ms. Arpita Chel
 Assistant Professor
 Taxation, Audit & Assurance
 Institute of Management & Technology (IMT)

Date : 13th & 14th November, 2024

10 AM Onwards  **VENUE: Room No. 332**  **@MCKVIE**



**Institution's Innovation Council (IIC) and Department of Management Science,
MCKV Institute of Engineering (MCKVIE)**

organised

**Three-Day Workshop on Application of Business Analytics, Digital Marketing and Artificial
Intelligence (AI) in Innovative Business Decision Making**

IIC Activity [September 2024 to November 2024]

Date of Event: 23.10.2024, 24.10.2024, and 25.10.2024 (postponed to 29.10.2024)

EVENT REPORT

A three-day workshop on "Application of Business Analytics, Digital Marketing and Artificial Intelligence (AI) in Innovative Business Decision Making" was conducted by the Department of Management Science under the aegis of Institution's Innovation Council (IIC). The workshop was scheduled for consecutive 3 days - 23.10.2024, 24.10.2024, and 25.10.2024. However, due to the cyclonic storm "Dana", the college was declared closed on 25.10.2024 and as a result, the event was postponed to 29.10.2024.

Day	Date	Topic	Resource Person
Day #1	23.10.2024	Application of Business Analytics in Various Job Roles	Dr. Sayantani Roychoudhury, Associate Professor, Praxis Business School, Kolkata, and Visiting Faculty - IIM Udaypur and IIM Amritsar.
Day #2	24.10.2024	The Modern Marketers' Ultimate Digital & AI Toolkit	Mr. Amar Krishna Jha, Chairman, Amarketing
Day #3	25.10.2024 (postponed to 29.10.2024)	AI and Its impact at Workplace: A New Era	Mr. Sugata Halder, Director, Vriksh Consulting

As mentioned in the above table, the speakers were from the academia and industry. The speakers helped the students to get multilevel exposures to business analytics models and their applications, hands-on training on digital marketing, and finally the application of artificial intelligence in innovative business decision making. This workshop was useful for the students to learn the additional elements of managerial decision making beyond the curriculum. This workshop was instrumental in guiding the students to join various industries – either as professionals or as entrepreneurs.



Day #1: Session being taken by Dr. Sayantani Roychoudhury on 23.10.2024



Day #2: Session being taken by Mr. Amar Krishna Jha on 24.10.2024



Day #3: Session being taken by Mr. Sugata Halder on 29.10.2024



NCV INSTITUTE OF ENGINEERING
NACC 'A' GRADE ACCREDITED INSTITUTE, MAKAUT AFFILIATED, AICTE APPROVED
MBA ACCREDITED COURSES

Three-Day Workshop on Application of Business Analytics, Digital Marketing and Artificial Intelligence in Innovative Business Decision Making.

Organized by
Department of Management Science and Institution's Innovation Council

DATE: 23.10.24 Topic: Dr. Sayantani Roychoudhury, Associate Professor, Trade Assistant, School, Kolkata, introducing faculty for the day and the Institute.	DATE: 24.10.24 Topic: Mr. Amar Krishna Jha, Chairman, Advertising	DATE: 29.10.24 Topic: Mr. Sugata Halder, Director, HR&M
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TIME: 10 A.M. ONWARDS VENUE: ROOM NO. B312



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

Workshop on Effective Sales and Marketing Strategies for Entrepreneurs /Startups
by

Dr. Soumyajit Das, Department of Management Science, MCKVIE

Date: 25.2.2025

Time: 11:00 a.m. onwards

Venue: SIT Hall, MCKV Institute of Engineering, Liluah, Howrah

EVENT REPORT

Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE) organised a "Workshop on Effective Sales and Marketing Strategies for Entrepreneurs /Startups" for the students of various disciplines of MCKVIE. The duration of the workshop was of $5\frac{1}{2}$ hours (11 a.m. to 4:30 p.m. with 30 minutes break in between). The program was conducted in two parts i.e. 11 a.m. to 1:30 p.m. at room number C305 and 2 – 4:30 p.m. at SIT Hall of MCKVIE.

The resource person for this workshop was Dr. Soumyajit Das, Associate Professor, Department of Management Science, MCKVIE. Dr. Das has rich experience in teaching entrepreneurship development courses. In this workshop, he conducted lecture session and exhibited hands-on demonstration of various entrepreneurial skillsets like time management, critical thinking and problem solving. Precisely, the topics covered by Dr. Das were as follows:

- Sales funnel optimisation
- Cost-Efficient Marketing Strategies
- Green Marketing
- Search Engine Optimisation and Social Media Strategy

The session was featured by live demonstration of managerial techniques for the entrepreneurs. Forty-two (42) students participated in the workshop along with the faculty members of various academic disciplines. The students participated in the program with spontaneity and showed highest degree of engagement by participating in small workshop assignments. The outcome of the program (workshop) was effective in provoking the entrepreneurial readiness among the students of MCKVIE.











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

WORKSHOP ON EFFECTIVE SALES AND MARKETING STRATEGIES FOR ENTREPRENEURS/STARTUPS


 Resource Person:
 Dr. Soumyajit Das,
 Department of Management Science,
 MCKV Institute Of Engineering

Date: 23.2.2025
 Time: 11:00 a.m. onwards
 Venue: SIT Hall, MCKV Institute of Engineering,
 Liluah, Howrah









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

in collaboration with

Entrepreneurship Development Institute of India (EDII)

organised

**Entrepreneurship Awareness Programme (EAP)
under the aegis of Ministry of MSME, Govt. of India**

IIC Activity [December 2024 to February 2025]

Date of Event: 17.2.2025

EVENT REPORT

The Institution's Innovation Council (IIC) of MCKV Institute of Engineering (MCKVIE) organised the Entrepreneurship Awareness Programme (EAP) in collaboration with Entrepreneurship Development Institute of India (EDII) on 17th February, 2025, under the aegis of Ministry of MSME, Govt. of India, in SIT Hall of MCKVIE. The students of different discipline of the college participated in this program through prior registration and the total number of participants was 140. The speakers of the awareness program focused on various aspects of entrepreneurship – the behavioural, financial, as well as strategic, which are essentially required by an entrepreneurs to mark his/her presence in the business world.

The duration of the program was around $2\frac{1}{2}$ hours starting at 1 p.m. and ending around 3:30 p.m. The session was characterised by the lucid and elaborate illustration of the entrepreneurial issues by the speakers from the prestigious institute like EDII. The students found the session very engaging and was asking plenty of relevant questions. Through the interaction between the speakers and the students, the outcome of the program turned out to be really effective. Upon the success of this event, EDII is interested to build up long-term relationship with MCKVIE where the advanced-level of programs can be organised in the future.

It was interesting to note from the feedback of the students about their future plan that around 30% of the students who attended the session want to be the future entrepreneurs. The feedback was shared with EDII to obtain some specialized entrepreneurial plan from their side.





**INSTITUTION'S INNOVATION COUNCIL (IIC) OF MCKV INSTITUTE OF ENGINEERING
AND
ENTREPRENEURSHIP DEVELOPMENT INSTITUTE OF INDIA (EDII)
ORGANISE
ENTREPRENEURSHIP AWARENESS PROGRAMME (EAP)
UNDER THE AEGIS OF MINISTRY OF MSME, GOVT OF INDIA**

**DATE: 17.2.2025
TIME: 1 P.M. ONWARDS**

VENUE: SIT HALL, MCKV INSTITUTE OF ENGINEERING, LILUAH, HOWRAH



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

organised

Workshop on Business Model Canvas (BMC)

by

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

Date: 10.4.2025

Time: 12 - 5 p.m.

Venue: Room No. B312, MCKV Institute of Engineering, Liluah, Howrah

EVENT REPORT

The one-day Workshop on Business Model Canvas (BMC) was held in MCKV Institute of Engineering (MCKVIE) in Room No. B312, Liluah on Friday, 10.4.2024. The five-hour workshop began at 12 p.m. and ended at 5:00 p.m., Dr. Soumyajit Das and Dr. Arindam Ghosh from the Department of Management Science served as the workshop's resource persons. The internal students from various disciplines took part in the workshop.

Forty-one (41) students and ten (10) faculty members participated in total. All sessions were quite captivating. Throughout the interactive sessions, the student participants asked many thought-provoking questions. The participants received pen-and-paper homework during the workshop. During these seminars, the lecturers employed audio-visual aids.

The program was executed in line with the objectives of the workshop. Aspiring entrepreneurs are expected to gain from the program's output by developing their capacity for strategic decision-making.







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

WORKSHOP ON BUSINESS MODEL CANVAS (BMC)



Speaker:
Dr. Soumyajit Das
Associate Professor,
Dept. of Management Science (MS)
MCKV Institute of Engineering



Speaker:
Dr. Arindam Ghosh
Assistant Professor,
Dept. of Management Science (MS)
MCKV Institute of Engineering

Date: 10.4.2025
Time: 12:00 - 5:00 p.m.
Venue: B312, MCKV Institute of Engineering,
Litani, Howrah





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

Workshop on Raising Capital and Managing Finance for Start-up

Resource Persons: Dr. Juin Ghosh Sarkar

Dept. of Management Science, MCKVIE

Date: 22.4.2025 **Time:** 12 - 5 p.m.

Venue: Room No. B312, MCKVIE

EVENT REPORT

The one-day Workshop on Raising Capital and Managing Finance for Start-up was held in MCKV Institute of Engineering (MCKVIE) in Room No. B312, Liluah on Friday, 22.4.2024. The five-hour workshop began at 12 p.m. and ended at 5:00 p.m. Dr. Juin Ghosh Sarkar, Head of the Department of Department of Management Science functioned as the workshop's resource person. The internal students from various disciplines took part in the workshop.

Forty-one (42) students and ten (10) faculty members participated in total. The workshop was quite absorbing. Throughout the interactive sessions, the student participants asked many thought-provoking questions. The participants received pen-and-paper assignments during the workshop. During the workshop, Dr. Ghosh Sarkar used audio-visual aids.

The program was executed in line with the objectives of the workshop. Aspiring entrepreneurs are expected to gain from the program's output by developing their capacity for strategic financial decision-making.









Institution's Innovation Council
Organises

Workshop on
"Raising Capital and Managing
Finance for Start-up"



Dr. Juin Ghosh Sarkar

22.4.2025
12 p.m. to 5 p.m.
Room No. B312

A Brief Report of Students' Technical Article Competition "PRAYAS-2025"

Name of the Event: Students' Technical Article Competition "PRAYAS-2025"

Sponsored by: IET (UK, Kolkata Local Network, MCKVIE

Duration: 25th April, 2025 Offline Event

No. of Articles presented: 15

No. of Participants: 53

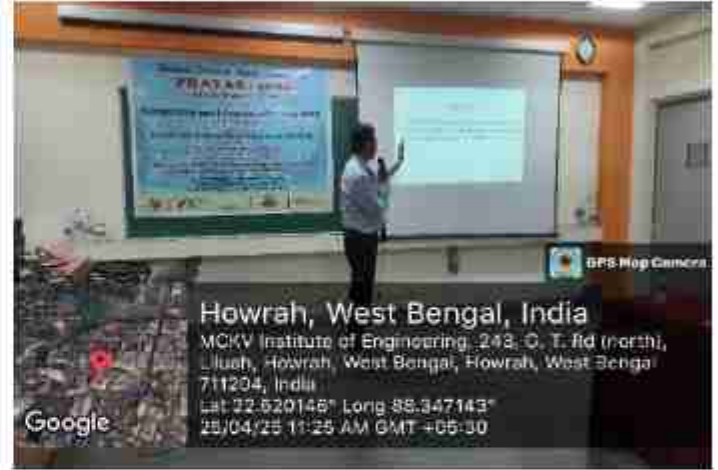
No. of Committee members: 25

The Department of Electronics & Communication Engineering, MCKV Institute of Engineering had organized Students' Article Competition "PRAYAS-2025" on 25th April, 2025. The event was held on an offline mode at MCKVIE, under the sponsorship of IET (UK) Kolkata Local Network and MCKVIE **in collaboration with IIC MCKVIE**. Nineteen articles in various domains of Electronics & Communication Engineering and allied fields were accepted for the event. Fifteen articles were presented and a total of fifty three participants from various engineering colleges/ universities participated in the program. The presented articles were evaluated on the basis of different criteria by the judges, viz. Dr. Manabendra Maiti, Professor, Techno International New Town, Kolkata, Dr. Santanu Ghorai, Professor Heritage Institute of Technology, Kolkata, Dr. Anindita Das, Associate Professor, Dean of Admin & Students Affair, REIE Kolkata. 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 best similarity index 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 was done and proceedings of the competition will be published in the form of a book with ISBN. Some participants were IET members.

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 technical articles and also share their views through scientific discussion and also share their views through scientific discussion. This event promotes presentation of innovative ideas and models.

The organizing committee is thankful to all the sponsors for their active support and cooperation and hopes to receive such help in years to come. Attaching some photographs of PRAYAS-2025.





Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Self-driven activity
3. Quarter-I: [Sep.'24 to Nov'24]
4. Program/Activity Name: **Dynamic Analysis of Laminated Composite: Numerical and Experimental Approaches**
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
 - Level-3
 - viii) Boot camp
 - ix) Competition
 - x) Demo day
 - xi) Exhibition
 - Level-4
 - xii) Workshop
 - xiii) Challenges
 - xiv) Hackathon
 - xv) Techfest
6. Other: Mention the details of Program type if you choose others at 5.
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 mins): 120 mins
9. Start Date (in days): 03-10-2024
10. End Date (in days): 03-10-2024
11. Number of Student Participants: 50
12. Number of Faculty Participants: 10
13. Number of External Participants, if any: 02
14. Expenditure amount, if any: (With supporting documents)
15. Remark:
16. Mode of session delivery (online/offline): Online
17. Overview:
 - i) Objective:(100 Words)
Laminated structures have received special attention in today's high-performance engineering because of their numerous advantages. In addition, these structural

components are well-known for their low shear strength, including the debonding type of failure. Debonding or delamination is the process of separation between the consecutive layers of the laminated structure and reduces the structural integrity as a whole. This, in turn, significantly affects structural responses such as frequency, deflection (static and dynamic), stability, etc., during the structure's operational life. Hence, it is important to assess the vulnerability of internal damage on the discussed structural responses in addition to the time-dependent deflection (transient responses) of a laminated composite structure under mechanical loading.

ii) Benefit in terms of learning/skill/knowledge obtained (150 Words):

- The session provides a more comprehensive understanding of the composite's behavior, which can lead to improvements in design, material selection, and manufacturing.
- The benefits of this session extended beyond the immediate context, offering participant's valuable learning experiences that can be applied in the emerging manufacturing fields with wide application scope.
- Participants have gained practical skills in brainstorming, collaboration, and rapid prototyping, equipping them to tackle complex manufacturing problems in innovative ways.
- The session fortified a mindset shift towards embracing failure as a crucial step in the learning process, fostering resilience and adaptability.
- Experimental analysis provides real-world validation through physical testing, while numerical analysis offers controlled, extensive.

18. Documents required:

- i) Video URL:
- ii) 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
- ii) Twitter
- iii) Instagram
- iv) LinkedIn



INSTITUTIONS INNOVATION COUNCIL (IIC) PRESENTS AN EXPERT TALK ON

"Dynamic analysis of laminated composite: Numerical and Experimental Approaches"

Dr. Chetan Kumar Bhawan
Assistant Professor, Department
of Mechanical Engineering, MTU Varanasi
Project Scholar in the Defense Research
and Development Organization (DRDO)

Date: 3rd October, 2024 | Time: 2PM to 4PM

Event coordinator - Dr. Ajit Kumar Pandey
Assistant Professor, ME (MCKVIE)



Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Self-driven activity
3. Quarter-I: [Sep.'24 to Nov'24]
4. Program/Activity Name: Emerging Trends in Hydraulics and Pneumatics Control Systems
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
 - Level-3
 - viii) Boot camp
 - ix) Competition
 - x) Demo day
 - xi) Exhibition
 - Level-4
 - xii) Workshop
 - xiii) Challenges
 - xiv) Hackathon
 - xv) Techfest
6. Other: Mention the details of Program type if you choose others at 5.
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 mins): 120 mins
9. Start Date (in days): 27-01-2025
10. End Date (in days): 27-01-2025
11. Number of Student Participants: 50
12. Number of Faculty Participants: 10
13. Number of External Participants, if any: 02
14. Expenditure amount, if any: (With supporting documents)
15. Remark:
16. Mode of session delivery (online/offline): Online
17. Overview:
 - i) Objective:(100 Words)
 - ii) The objective of this expert talk is to provide insights into the latest advancements and innovations in hydraulics and pneumatics control systems. The session aims to:

1. **Highlight Emerging Technologies** – Discuss new developments in smart hydraulics, electrohydraulic actuators, servo-pneumatics, and Industry 4.0 integration.
2. **Enhance Industry Awareness** – Educate professionals and students on the impact of automation, IoT, and AI in fluid power systems.
3. **Improve System Efficiency** – Explore energy-efficient designs, sustainable practices, and advancements in fluid dynamics.
4. **Address Industrial Challenges** – Provide solutions to common operational challenges, including maintenance, reliability, and system optimization.
5. **Foster Innovation and Collaboration** – Encourage research, development, and interdisciplinary collaboration in the field of fluid power control.

iii) Benefit in terms of learning/skill/knowledge obtained (150 Words):

- By the end of the session, participants will gain a deeper understanding of cutting-edge trends shaping the future of hydraulics and pneumatics.
- Understand real-world applications in industries such as manufacturing, automotive, aerospace, and construction.
- The benefits of this session extended beyond the immediate context, offering participant's valuable learning experiences that can be applied in the emerging Technology of hydraulics and pneumatics system.
- Gain valuable troubleshooting techniques for common issues in hydraulic and pneumatic systems.
- Experimental analysis provides real-world validation through physical testing, while numerical analysis offers controlled, extensive.

18. Documents required:

- i) Video URL:
- ii) 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
- ii) Twitter
- iii) Instagram
- iv) LinkedIn



INSTITUTION'S INNOVATION COUNCIL (IIC) PRESENTS AN EXPERT TALK ON

"Emerging Trends in Hydraulic and Pneumatic Control Systems"



Dr. Md Ehtesham:
Assistant Professor at
School of Mechanical Engineering
KIIT University,
Bhubaneswar, Odisha

Date: 27th January, 2025
Time: 2:30 PM to 4:30 PM

Event coordinator - Dr. Ajit Kumar Pandey,
Dept. of Mechanical Engineering (MCKVIE)

[@IIMCKVIE](#)

MO EHTESHAM HASAN (Presenting)

The simplest pump consists of a rotating rotor inside a larger circular cavity.

The cavity of the rotor is an offset, being eccentric to the center of the outer circle and of the rotor itself and as it rotates, moving space develops in the pump cavity.

On the inside, side of the pump, the rotor is loaded with increasing pressure. These increasing pressure chambers are filled with fluid, which is then driven into the pump, creating a pressure that the fluid being pumped often has the chambers.

On the outside, side of the pump, the rotor is loaded with decreasing pressure, forcing fluid out of the pump.

The action of the rotor inside the cavity creates a fluid pump rotation.





MO EHTESHAM HASAN



A



S

30 others

Multiple people want to join this call

3:06 PM | qbe-ncot-zwk

Activate Windows

MO EHTESHAM HASAN (Presenting)





MO EHTESHAM HASAN



A



S

30 others

Multiple people want to join this call

3:18 PM | qbe-ncot-zwk

Activate Windows



Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) IIC calendar activity
 - ii) MIC activity
 - iii) Self-driven activity
3. Quarter-I: [Sep.'24 to Nov'24]
4. Program/Activity Name: Green Hydrogen: The Future Fuel for a Carbon Neutral Mobility Revolution
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
 - Level-3
 - viii) Boot camp
 - ix) Competition
 - x) Demo day
 - xi) Exhibition
 - Level-4
 - xii) Workshop
 - xiii) Challenges
 - xiv) Hackathon
 - xv) Techfest
6. Other: Mention the details of Program type if you choose others at 5.
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 mins): 120 mins
9. Start Date (in days): 27-02-2025
10. End Date (in days): 27-02-2025
11. Number of Student Participants: 63
12. Number of Faculty Participants: 10
13. Number of External Participants, if any:15
14. Expenditure amount, if any: (With supporting documents)
15. Remark:
16. Mode of session delivery (online/offline): Online
17. Overview:

Objective :(100 Words)

Green hydrogen is emerging as a key solution for achieving carbon neutrality in transportation. Unlike grey or blue hydrogen, which rely on fossil fuels, green

hydrogen emits zero greenhouse gases, making it an ideal alternative to traditional fuels.

In mobility, hydrogen fuel cells power vehicles by converting hydrogen into electricity, offering advantages such as fast refueling, long-range capabilities, and zero emissions. This technology is gaining traction in sectors like heavy-duty transport, aviation, and shipping, where battery-electric solutions face limitations. Challenges remain, including high production costs, infrastructure development, and energy efficiency concerns. However, with global investments and policy support, green hydrogen is poised to revolutionize sustainable mobility, paving the way for a cleaner and greener future.

i) Benefit in terms of learning/skill/knowledge obtained (150 Words):

- The session provides a more comprehensive understanding of the green hydrogen its production, challenge in storage and transportation.
- The benefits of this session extended beyond the immediate context, offering participant's valuable learning experiences that can be applied in the emerging fields with wide application scope.
- Participants have gained practical skills in brainstorming, collaboration, and rapid prototyping, equipping them to tackle complex problems in innovative ways.
- The session fortified a mindset shift towards embracing failure as a crucial step in the learning process, fostering resilience and adaptability.
- Experimental analysis provides real-world validation through physical testing, while numerical analysis offers controlled, extensive.

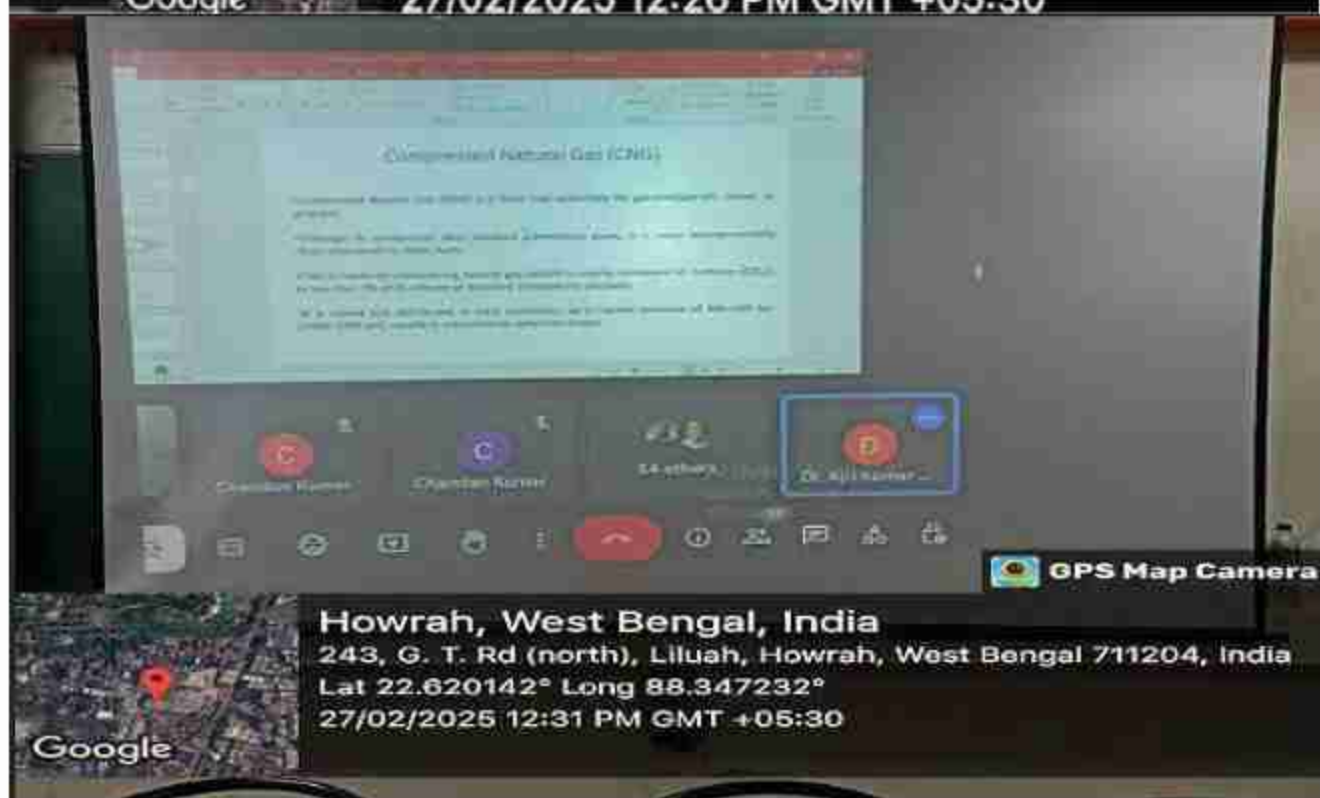
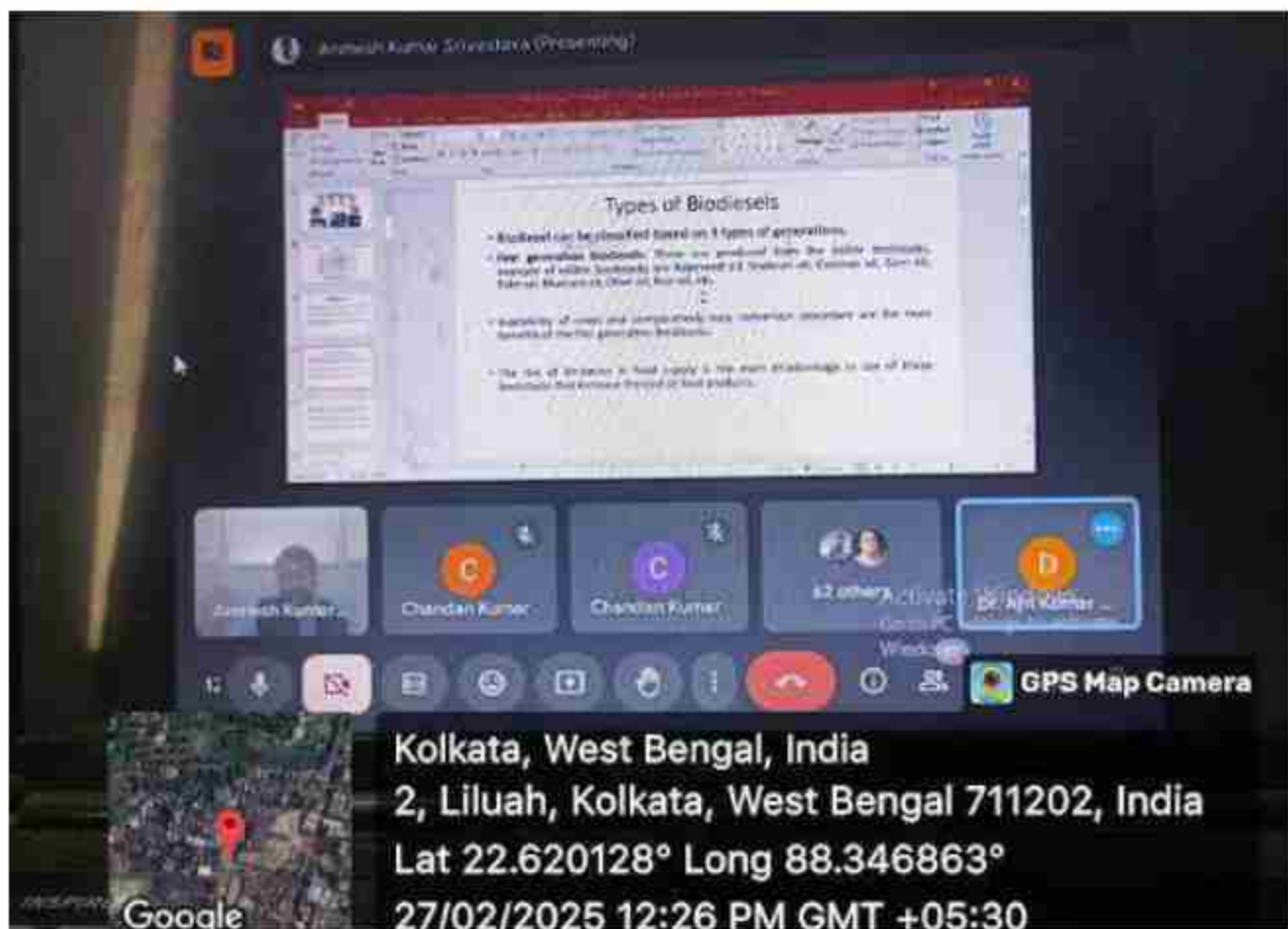
18. Documents required:

- i) Video URL:
- ii) 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://www.facebook.com/100076310046734/posts/pfbid0cbFpYWGjhDeDbxS9xVNHMUY6Het2aUo3HPRgv59Fdbr5jV4twmfJ3MV8eER9CfPWl/>
- ii) Twitter:
https://x.com/IICMCKVIE/status/1891176607718551695?t=rrZ2SjWnbOa7gcew_fzSw&s=08
- iii) Instagram:
<https://www.instagram.com/p/DGJFXCYSI5D/?igsh=dHdwMWlsMnZldzNv>
LinkedIn

27/02/2025 12:23 PM GMT +05:30



Report on "MY STORY: Motivational Session by Successful Innovators"

The "MY STORY: Motivational Session by Successful Innovators" was organized by the MCKV Institute of Engineering Startup Club on 21st October 2024. The event featured Mr. Syantan Mukherjee, an accomplished innovator, sharing his inspiring journey, challenges, and achievements to motivate students and aspiring entrepreneurs. Participants gained valuable insights into creativity, perseverance, and problem-solving for success. The session encouraged entrepreneurial thinking and highlighted real-world applications of knowledge. Attendees left motivated to pursue their own ventures, equipped with practical wisdom and renewed confidence. This event was a significant step in fostering a culture of innovation and excellence at MCKV Institute of Engineering.

Video Link: https://www.youtube.com/live/4zLlx4wdRPU?si=_u1os-u0bNK8T7WU

Photographs:





Report on "MY STORY: Motivational Session by Successful Innovators"

The "MY STORY: Motivational Session by Successful Innovators" was organized by the MCKV Institute of Engineering Startup Club on 22nd October 2024. The event featured Mr. Vishwas Anand Bhusan, an accomplished innovator, sharing his inspiring journey, challenges, and achievements to motivate students and aspiring entrepreneurs. Participants gained valuable insights into creativity, perseverance, and problem-solving for success. The session encouraged entrepreneurial thinking and highlighted real-world applications of knowledge. Attendees left motivated to pursue their own ventures, equipped with practical wisdom and renewed confidence. This event was a significant step in fostering a culture of innovation and excellence at MCKV Institute of Engineering.

Video Link: <https://www.youtube.com/live/cUSNzf1S2FY?si=PLJHBffXoxbL-vIU>

Photographs:





Report on Off-Stage Events: Illumina, Flameless Feast and Eco-Craft, held on 29th & 30th January, 2025

It is our immense pleasure to share that we have successfully hosted the Off-Stage Events on 29th and 30th January, 2025 at the Mechanical Workshop, MCKVIE. The events were Non-fire cooking (Flameless Feast), Face Painting (Illumina) and Art out of Waste (Eco-Craft). The participation fees was Rs.50/- per event. The following are the number of teams participated:-

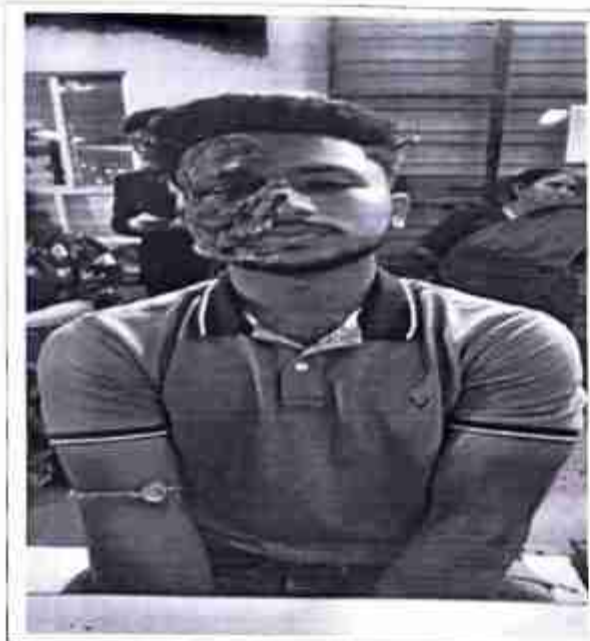
- *Flameless Feast: 11*
- *Illumina: 6*
- *Eco-Craft: 5*
- *Total teams joined: 22*
- *The winners were gifted with One memento per team and certificates for individual team members.*
- *All the participants were given appreciation certificates for the participation in the event.*



Hosting the Event: Flameless Feast in the Mechanical Workshop



Hosting the Event: Eco-Craft in the Mechanical Workshop



Hosting the Event: Illumina in the Mechanical Workshop



Judges at the Event: Eco-Craft in the Mechanical Workshop



Judges at the Event: Flameless Feast in the Mechanical Workshop



Judges at the Event: Flameless Feast in the Mechanical Workshop



A Group Photograph between all the Dignitaries, Judges and the Students.



Prize Distribution Ceremony of the Event.

Winners of the Events are:-

FLAMELESS FEAST

1st Position: JOY

Member: Joyjeet Manna (BTECH/CSE-DS/24/048)

2nd Position: Ahare Bahare

Members: Rupika Debnath(BTECH/EE/23/048), Pragya Ghosh(BTECH/EE/23/013)

3rd Position: Gourmet Blends

Members: Sayantani Ghosal(BTECH/ECE/24/013), SRESTHA GHOSH(BTECH/ECE/24/23)

ECOCRAFT

1st Position: Team 3D

Members: Sristi Sarkar(BTECH/CSE-DS/22/063), Dipti Bhowmik(BTECH/IT/22/010)

2nd Position: Crafty Wrafty

Members: Bhumi Prasad(BTECH/CSE/23/049), Olina Kundu(BTECH/CSE/23/013)

3rd Position: Slick wit it

Members: Arinjay Maitra (B-TECH/CSE/24/081), Anwayee Sasmal(B-TECH/CSE-AIML/24/052)

ILLUMINA

1st Position: Pixie Paint

Members: Soumili Lahiri(BTECH/CSE/2021/10), Sharda Kumari(BTECH/CSE/2021/61)

2nd Position: Kitty

Members: Sanchari Karati(BTECH/CSE/2022/62), Piyali Ghosh(BTECH/CSE/2022/09)

3rd Position: Team AD

Members: Anwesha Das (BTECH/EE(L)/22/081), Dipanjan Polen(BTECH/EE(L)/22/083)

We convey our heartfelt gratitude to all the team members, faculty as well as students for their utmost co-operation and support from their end.

Last but not the least, we are sincerely obliged to our Honorable Chairman, Mr.K.K.Kejriwal Sir, Trustee, Mr.Abhay Kumar Kejriwal Sir, CEO,Prof.(Dr.) P.S.Chakraborty Sir,Principal, Dr.Abhijit Lahiri Sir, Chairman,Utopia-2K25, Dr.A.K.Jalan Sir for their constant encouragement and co-operation throughout the events.



Mr. Soham Goswami
Co-ordinator, Off-Stage Events,
Utopia 2k25



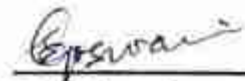
Mr. Soumya Paul
Co-ordinator, Off-Stage Events,
Utopia 2k25



Mr. Sudip Bera
Co-coordinator, Off-Stage Events,
Utopia 2k25

Statement of Expenditure for Utopia: Off-Stage Events 2K25

Sl.No.	Item	Expenditure(Rs.)
1.	Identity Card	20.00
2.	Memento & other prizes	3000.00
3.	Certificates	440.00
	Total Expenditure	3460.00



Mr. Soham Goswami
Co-ordinator, Off-Stage Events,
Utopia 2k25



Mr. Sudip Bera
Co-coordinator, Off-Stage Events,
Utopia 2k25



Mr. Soumya Paul
Co-ordinator, Off-Stage Events,
Utopia 2k25

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Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/



Report on Innovative Project Competition **Academic Year: 2024-25**

Name of the Event	Innovative Project Competition		
Event type	Competition		
Organized by:	Department of Information Technology	Venue	Block-A, 2 nd Floor, IT Lab-3, MCKVIE
Date of Commencement:	02/04/2025	Date of Completion:	04/04/2025
Duration of event:	Two Days	Mode of the Session Delivery:	Offline
Coordinator of the Event	Jayanti Mahata, Assistant Professor, Department of Information Technology	Mob. No.	9732526103
Type of Participants:	Students of MCKVIE	No. of Participants :	Staff: 12 Students: 112

Brief Report on the Event:

The Innovative Project Competition was held on 02/04/2025 and 04/04/2025, organized by the department of Information Technology, MCKV Institute of Engineering aiming to encourage creativity, critical thinking, and problem-solving among students. Participants presenting original and impactful ideas addressing real-world problems in group.

The objectives of the innovative project competition were to Spark creativity, identify new solutions, and promote a culture of innovation by encouraging participants to develop and present unique concepts.

Participants showcased their ideas through presentations across domains such as technology, environment, healthcare, and education. Some standout ideas included EVENTURE FOR MCKVIE, Reclaiming the Ganga: an Innovative Solution, Empowering Indian MSME's Automated Legal Document Drafting, Revolutionizing Cancer Detection With Machine Learning, Smart Pot: Future Plant Care etc.

Projects were evaluated based on originality, feasibility, impact, and presentation. Feedback from both participants and judges was overwhelmingly positive, with many appreciating the platform for nurturing innovation and collaboration. The best projects were selected for submission for Yukt Portal.

This Innovative project contests boost problem-solving capability, creativity, and critical thinking. Participants learn research, communication, and teamwork skills. Students gain valuable knowledge, potentially discovering new solutions and expanding their horizons.

In summary, the Innovative Project Competition was a resounding success, inspiring participants to think beyond conventional boundaries and work toward solutions that can shape a better future. As a result, few unique concepts come from the young minds for solving real life problems which we are facing in our daily life.



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Event Photographs:



Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) **IIC calendar activity**
 - ii) MIC activity
 - iii) Celebration activity
 - iv) Self-driven activity
3. Quarter-4: [June'24 to August'24]
4. Program/Activity Name: KODIKAS 2K25 Innovation Driven Through GEN AI
5. Program type: (Choose anyone)
 - 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
 - Level-4
 - xiii) Workshop
 - xiv) Challenges
 - xv) Competition/Hackathon
 - xvi) Techfest
 - xvii) Bootcamp
 - xviii) 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): **12 Hours**
9. Start Date (In days): **19th August 2024**
10. End Date (In days): **20th May 2024**
11. Number of Student Participants (Min 40): **45**
12. Number of Faculty Participants: **6**
13. Number of External Participants, if any: **Na**
14. Expenditure amount, if any: (With supporting documents): **Nil**

15. Remark: The department of Computer Science and Engineering has organized the workshop for the second and third year students to give valuable insights into emerging AI tools and their practical applications and to enhance their knowledge of how Gen AI can be applied in real-world scenarios .

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

17. Overview:

- I. Objective:(100 letters): It explore concepts, tools, and applications of Generative AI for innovation and learning.
- II. Benefit in terms of learning/skill/knowledge obtained (150 letters): The workshop enhanced awareness of Generative AI, improved practical skills, and inspired innovative applications for academics and industry.

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://www.facebook.com/100076310046734/posts/pfbid0JbrV6bxbdAsLKqW6ZsFiUZNxcxJnJBpRJxvAVK9CMdR7XtmignhCPT9iBpeKbFG9I/?sfnsn=wa>
- ii) Twitter
- iii) Instagram : <https://www.instagram.com/p/DNQ0893z3YT/?igsh=OTH6b2t3dDc3bm5h>
- iv) LinkedIn





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



The Basic Science and Humanities department in collaboration with Institution's Innovation Council (IIC) of MCKVIE organized a **self-driven event**, "*Nurturing Innovation – Student Idea Contest*", on 18th and 19th August, 2025. This initiative aimed to **promote innovation and entrepreneurship, and research** among students, encouraging them to think beyond conventional boundaries and develop practical solutions to real-world challenges.

The main motto of the event was to **ignite creative thinking**, foster a spirit of **entrepreneurship**, and enable students to transform their innovative ideas into potential research and startup opportunities.

Each participant group presented their idea through a structured format that highlighted the **problem statement, innovative solution, feasibility, budget, research potential, and entrepreneurial value**. More than 130 ideas were initially submitted, out of which 54 were shortlisted and finally after a rigorous evaluation process, 29 groups comprising of 95 students from different streams showcased their innovative ideas. The main focus of the event was Technological innovation, Sustainable solutions, Social entrepreneurship, Research-driven development.

The event **enhanced students' critical thinking**, provided **entrepreneurial insights**, opened **research and mentoring opportunities**, and fostered **cross-disciplinary collaboration** for future innovation.

The "*Nurturing Innovation*" event successfully met its goal of empowering students to think innovatively and align their ideas with **entrepreneurship and research** opportunities. With active participation and enthusiastic response, the event highlighted the institution's commitment to **creating a culture of innovation** that nurtures future leaders and changemakers.





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Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	BS-VI and OBD-II Familiarization		
Programme/Event type (choose and write only the appropriate one from the list)	Student Training Programme		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering	Venue	B316, VECV Workshop
Sponsored by (if any):	NA	Amount of sponsorship (Rs.)	NA
Date of Commencement: (in dd/mm/yyyy format)	24/07/2025	Date of Completion: (in dd/mm/yyyy format)	25/07/2025
Duration of event: (in days and mention hours for hands-on training program)	5 hours/day	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Tapas Kumar Biswas, AUE Dept.	Mob No.	8017270199
Convenor of the program/Event (Full Name with Dept.)	Nirvik Banerjee, AUE Dept.		
Type of Participants:	Students	No. of Participants:	Staff:0 Students: 41

Brief Report on the Event

(within 250 words approx., in Tahoma font, font size 9, line spacing: Multiple, at 1.2)

The Department of Automobile Engineering, MCKV Institute of Engineering (MCKVIE), successfully conducted a two-day training programme on "BS-VI and OBD-II Familiarization" from 24th to 25th July 2025. The session was conducted by Mr. Raju Mondal, a senior expert from VE Commercial Vehicles (VECV). The objective of the training was to provide students with a deeper understanding of Bharat Stage-VI emission norms and On-Board Diagnostics-II (OBD-II) systems, both of which are critical in the context of modern automotive technologies and regulatory compliance. A total of 41 students from the AUE and ME department participated in this training. The training was highly informative and interactive, helping students bridge the gap between academic knowledge and industry practices. Mr. Raju Mondal's in-depth explanations and real-world experience made the sessions particularly impactful.



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Enclose 2-3 nos photographs in JPG Format and paste the same in the box below:



Date of submission:05/08/2025

Overall Event Report

Expert Session & Panel Discussion

Theme: *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"*

Event Overview

The Institution's Innovation Council (IIC-NISP) and the Start-Up Club of MCKV Institute of Engineering successfully organized an Expert Session and Panel Discussion on the theme *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"* on **30th July 2025 at 11:00 AM** in the **B312**.

The event was designed to emphasize the significance of **Intellectual Property Rights (IPR)** in nurturing innovation and supporting the startup ecosystem. Experts from academia, and entrepreneurial ventures came together to share insights, strategies, and real-world experiences on how safeguarding intellectual property can catalyze entrepreneurial growth and sustainability.

Objectives of the Event

- To create awareness about the importance of IPR among students, researchers, and entrepreneurs.
- To highlight various mechanisms of patent filing, copyrights, and trademarks.
- To showcase real-life startup case studies that leveraged IPR for business success.
- To facilitate knowledge exchange through an interactive panel discussion.

Key Highlights

1. **Expert Talks:** Eminent speakers from industry and academia addressed the critical role of IPR in driving innovation.
2. **IPR & Startups:** Discussions on how startups can strategically use IPR for competitive advantage and long-term growth.
3. **Patent Filing Mechanisms:** Step-by-step guidance on patent filing procedures, protection frameworks, and global IPR policies.
4. **Case Studies:** Illustrations from successful startups that used IPR protection as a foundation for scaling their ventures.
5. **Panel Discussion:** A vibrant interaction between IPR experts, legal professionals, startup founders, and participants, encouraging queries and idea-sharing.

Expert Speakers & Panelists

The session was enriched with contributions from the following dignitaries:

- **Dr. Rahul Kapoor** , IPR Expert, Founder TurnIP Innovations
- **Dr. Rajarshi Sanyal** , IPR Expert & Institutional Representative
- **Dr. Abhijit Dutta**, Academic Expert on Innovation & Entrepreneurship
- **Dr. Rahul Kapoor**, Founder of TurnIP Innovations shared entrepreneurial insights

Participation Details

The event witnessed overwhelming participation from:

- Total Number of participants: 118
 - Students from various engineering and management disciplines : 107
 - Faculty members and researchers : 11

Outcomes of the Event

- Enhanced awareness of the role of IPR in fostering innovation and entrepreneurship.
- Participants gained practical insights into filing patents and safeguarding their ideas.
- Strengthened collaboration between academia, legal professionals, and entrepreneurs.
- Encouragement for students and innovators to actively integrate IPR strategies into their entrepreneurial journey.

Conclusion

The Expert Session & Panel Discussion on *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"* proved to be an enriching and thought-provoking event. It not only highlighted the importance of safeguarding intellectual property but also inspired participants to innovate responsibly while ensuring long-term protection of their creative ideas.

The event successfully aligned with the vision of fostering a culture of innovation, entrepreneurship, and intellectual property awareness at MCKV Institute of Engineering.

INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Funding for Startup Opportunities
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	20.05.2025
Program Ending Date	20.05.2025
Number of Students Participants	00
Number of Faculty Participants	59
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Understand YUKTI Repository and IIC framework to foster innovation and startups in institutions
Benefits in terms of learning/skill/knowledge development	Gained insights on TRL stages, innovation lifecycle, funding, mentorship, and repository usage to support startup growth
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid02t3GSgz7fEne6VFTupScpJdUHcgTWC5n5t9hmBcLxzfnHPJvhHdr1TDUSZZ4ntDI/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1924443354231980350?t=yZ5DXq2_wCqTbAtusTghcw&s=08 iii) Instagram: https://www.instagram.com/p/DJ1d_KRvMAs/



Overall Report of the Activity

Date & Time: 20.05.2025 & 11:30 AM onwards

Speaker: Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell

Topic: Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Funding for Startup Opportunities

Key Learning:

- Understood the role of YUKTI Repository in managing and tracking institutional innovations.
- Learned how Technology Readiness Levels (TRLs) help assess and support innovation maturity.
- Gained clarity on funding opportunities like APF and YUKTI Innovation Challenge for student startups.
- Recognized the importance of multi-stage mentoring, verification, and collaboration in innovation success.

The session, organized by the Ministry of Education's Innovation Cell (MIC) and AICTE, highlighted the role and functionality of the YUKTI Innovation Repository and the Institutional Innovation Council (IIC) framework as central components of India's higher education innovation ecosystem. Anchored by Mr. Dipan Sahu, Assistant Innovation Director at MIC, the session was part of the broader IIC 7.0 initiative aimed at fostering innovation, entrepreneurship, and startups within academic institutions.

The YUKTI Repository is a zero-cost, digital platform launched to systematically capture, verify, and nurture ideas, innovations, startups, and intellectual properties (IPs) emerging from colleges and universities. Since its inception in 2019, over 15,500 institutions have joined, with nearly 1.9 lakh entries recorded. These include student and faculty-led innovations that are verified through a multi-stage process involving mentors and experts. The repository connects innovations with mentors, incubators, and investors to facilitate their development and commercialization.

The Institutional Innovation Councils (IICs) are mandated at institutional levels to create localized ecosystems through innovation activities, startup mentorship, and capacity-building programs. Innovation ambassadors, faculty mentors, and structured mentoring processes guide the growth of ideas through various Technology Readiness Levels (TRLs)—from concept to prototype to product.

The session also introduced funding opportunities such as the AICTE Productization Fellowship (APF) and YUKTI Innovation Challenge 2025, which offer financial aid of up to ₹10 lakhs for selected innovations. The APF targets students from AICTE-approved institutions, while the YUKTI Challenge is open to faculty, alumni, and incubated startups with entries in the innovation repository.

A significant focus was placed on building collaborative innovation ecosystems through cross-institutional partnerships, structured mentoring boot camps, and zonal networking. Emphasis was also laid on the rising trend of patent filings and the importance of timely submission, regular repository updates, and eligibility compliance for funding programs.



The session concluded with details on upcoming orientation sessions, zonal Q&A, and the importance of institutional discipline and proactive participation. It reinforced that the synergy of digital innovation management, strategic mentorship, IP protection, and financial support is driving a new innovation culture across India's higher education landscape—positioning academic institutions as the bedrock of the country's startup and technology growth.



Banner of the Event



The banner is blue with white and yellow text. At the top, it lists logos for G20 India 2023, Institution's Innovation Council, MoE's Innovation Cell, 75 Azadi Ka Amrit Mahotsav, and MCKV. Below the logos, it says "IIC MCKVIE presents" in white. The main title "MIC Driven Activity" is in large white font. Below it, the subtitle "Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities" is in white. The date and time "Date: 20.05.2025 Time: 11:30 AM to 12:30 PM" and venue "Venue: SIT Hall" are in white. At the bottom, the SPOC names and contact numbers "SPOC: Dr. Abhijit Pramanik (9534080407), Mr. Sourav Ghorai (8900022915)" are in white.

IIC MCKVIE presents

MIC Driven Activity

Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities

Date: 20.05.2025 Time: 11:30 AM to 12:30 PM
Venue: SIT Hall

SPOC: Dr. Abhijit Pramanik (9534080407),
Mr. Sourav Ghorai (8900022915)

Photographs of the Event







Howrah, West Bengal, India

243, G. T. Rd (north), Dilush, Howrah, West Bengal 711204, India

Lat 22.625147° Long 86.347296°

20/05/2025 11:51 AM GMT +05:30

Google

GPS Map Camera

INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	21.04.2025
Program Ending Date	21.04.2025
Number of Students Participants	70
Number of Faculty Participants	43
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Celebrate creativity, promote IP awareness, and launch IP UTSAV to foster national IP literacy.
Benefits in terms of learning/skill/knowledge development	Gained deeper knowledge of IP rights, improved skills in innovation protection & enhanced awareness of the role of IP in creative and economic growth.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02e6LBitVAu7kQpzn7EZtE1cXGmjZWDvr22ANV86kjjbRpgCpC84ZV1kC68S24uTl/?sfnsn=wa ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1913999807829721296?t=7UFyI50903cn17ZnNJg3hA&s=08 iii) <u>Instagram</u> : https://www.instagram.com/p/DlrQLJASYxr/?igsh=MW8xaWxxMGpyMGp6Ng==



Overall Report of the Activity

Date & Time: 21.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Prof. T. G. Sitharam, Chairman, AICTE

(b) Dr. Abhay Jere, Vice Chairman, AICTE

(c) Dr. Sacha Wunsch-Vincent Head of Section, Economics and Statistics Division, and co-editor of The Global Innovation Index (GII) at the World Intellectual Property Organization (WIPO)

(d) Prof. (Dr.) Unnat P. Pandit

Controller General of Patents, Designs & Trademarks Registrar of Copyright and Geographical Indication, DPIIT, MoCI, Government of India

Topic: Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day

Key Learning:

- To highlight the transformative power of creativity and innovation in driving economic, social, and cultural development.
- To raise awareness of the role of the intellectual property system in encouraging and safeguarding creativity across sectors.
- To inaugurate IP UTSAV as a national platform fostering IP literacy and engagement among creators, innovators, and the public.

The speech discusses India's growing innovation ecosystem, emphasizing the role of intellectual property (IP) and creativity in shaping the country's future. Dr. Sacha Vincent, representing the World Intellectual Property Organization (WIPO), highlighted India's significant progress in innovation, noting the country's rise from 80th to 39th in the Global Innovation Index. He commended India's emerging venture capital landscape and government-backed initiatives, particularly in deep tech areas like AI, quantum computing, and space. Despite this, Dr. Vincent stressed the need for further development in late-stage venture capital, urging more international collaboration in research and development (R&D) and increased foreign participation in Indian innovation ecosystems.

The importance of intellectual property (IP) was a major theme of the speech, with Dr. Vincent emphasizing that India's IP system is now deeply ingrained in the national consciousness. He praised India's growing number of patent filings and IP-related activities, especially in educational settings, where awareness of IP rights is being instilled from a young age. He expressed optimism for India's future role in shaping the global innovation landscape, particularly as it redefines IP and creativity from a local to a global scale.

Dr. T.G. Sitharam, Chairman of the AICTE, reinforced this view by highlighting AICTE's commitment to building a culture of innovation, creativity, and entrepreneurship within India's educational institutions. He acknowledged the alignment of AICTE's initiatives with the National Education Policy (NEP) 2020, which encourages hands-on learning, interdisciplinary collaboration, and fostering entrepreneurship among students.

Dr. Sitharam introduced AICTE's initiatives such as the establishment of over 400 Idea Labs across engineering institutions, promoting student-led innovation. These labs support the development of new products and technologies, with a focus on design thinking and prototyping. Additionally, AICTE has created the Kalam Program for IP Literacy, raising awareness about IP rights and ensuring their proper use in educational settings. He also discussed the growing regional innovation ecosystems, particularly in smaller cities and towns, facilitated by AICTE's



Innovation Centers and collaborations with organizations like the Wadwani Foundation.

Lastly, the speech highlighted AICTE's focus on supporting innovation finance, with new schemes like fellowships for productization and industry collaboration, aiming to help students and faculty further develop their ideas. The overall goal is to foster a robust innovation culture that empowers India's youth to contribute to global progress, with AICTE playing a central role in this transformation.

Banner of the Event

IIC MCKVIE Presents
MIC Driven Activity
INAUGURATION OF IP UTSAV &
CELEBRATION OF WORLD CREATIVITY AND
INNOVATION DAY

Dr. T. G. Satharao
 CHAIRMAN, IIC
 MEMBER OF INNOVATION, GOVT. OF INDIA

Dr. Sachin Vohra
 HEAD OF IIC, MOE
 MEMBER OF INNOVATION, GOVT. OF INDIA

Dr. Abhishek
 HEAD OF IIC, MOE
 MEMBER OF INNOVATION, GOVT. OF INDIA

Prof. Dr. Linnet Pande
 HEAD OF IIC, MOE
 MEMBER OF INNOVATION, GOVT. OF INDIA

21st April, 2025
11:30 AM
9:30 PM

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

Photographs of the Event







INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Discover more with Design Registrations: Masterclass on Patents and Design Registration
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	22.04.2025
Program Ending Date	22.04.2025
Number of Students Participants	59
Number of Faculty Participants	41
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Promote IP awareness, design protection & innovation commercialization among educators and students.
Benefits in terms of learning/skill/knowledge development	Gained practical knowledge of design registration, IP laws, and innovation tools to protect and commercialize creative ideas.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid0iuUT5N8P5t1zMG1wkui3CQJosdrfdSFRf5voixeHG3nnPyhduYmBM5UqimuLZR1ql/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914364430663512510?t=kpbJNnAnTS8Agruw1768zg&s=08 iii) Instagram: https://www.instagram.com/p/DIt1zl4ywiZ/?igsh=NWNnNTZzbGxuMnl2



Overall Report of the Activity

Date & Time: 22.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Prof. Gauri Gargate, Faculty, IP Law & Management, IIT Kharagpur

(b) Dr. B. K. Chakravarthy, Prof. & Dean School of Design Innovation, Mahindra University

Topic: Discover more with Design Registrations: Masterclass on Patents and Design Registration

Key Learning:

- To develop a practical understanding of the protection available through patents and industrial designs.
- To demystify the application and registration process, emphasizing accessibility and strategic benefits for inventors and creators.
- To demonstrate how design and patent rights contribute to innovation, product differentiation, and competitive advantage in the marketplace.

The masterclass held during the Intellectual Property (IP) Week, organized by the Ministry of Education's Innovation Cell and AICTE, focused on design registration, IP protection, and commercialization. Experts Prof. B.K. Chakravarthy (Mahindra University) and Prof. Gauri Gargate (IIT Kharagpur) led the session, offering in-depth insights into design-driven innovation, legal frameworks, and strategies to protect and commercialize creative ideas.

Prof. Chakravarthy emphasized integrating entrepreneurship into design education from the outset, ensuring that innovations are not just conceptual but market-ready. He illustrated this with case studies like the solar oven, ergonomic porter's chair ("pali"), specialized water bottles for forest dwellers, and redesigned helmets. These examples demonstrated the "Seven C's" framework - Cause, Context, Comprehension, Check, Crafting, Connection, and Communication—as a holistic model for innovation that is both user-centric and IP-aware.

Prof. Gauri Gargate elaborated on the legal and procedural aspects of design registration in India under the Design Act 2000, which grants protection for 10 years, extendable by 5. She clarified that design registration protects the aesthetic aspects (shape, pattern, color) of products, unlike patents, which cover functional elements. She also discussed international practices, the importance of novelty, visibility, and distinctiveness in registering a design, and enforcement mechanisms including oppositions and legal recourse.

The session highlighted India's growing IP ecosystem, with increasing design filings from domestic and foreign applicants. Strategic IP management—combining patents, trademarks, trade secrets, and design registrations—was identified as crucial for enhancing brand value, exclusivity, and commercialization potential. Real-world monetization through licensing, technology transfer, and royalties was emphasized as a motivator for innovators and students.

Collaboration with MSMEs, affordable licensing models, and user-centered design were presented as key to scaling innovations. Educational resources such as Coursera, Swayam, YouTube channels, and open-access case studies were recommended for fostering IP literacy and innovation culture.

In conclusion, the masterclass provided a comprehensive guide to transforming creative ideas into protected, market-ready solutions through strategic use of IP. It advocated for a proactive, integrated approach to design and entrepreneurship, encouraging continuous awareness, vigilance, and engagement with the IP system to strengthen India's innovation landscape.



Banner of the Event

IIC MCKVIE Presents
MIC Driven Activity
DISCOVER MORE WITH
DESIGN REGISTRATIONS: MASTERCLASS ON
PATENTS AND DESIGN

Dr. RK Chakraborty
PROF. & HEAD, SCHOOL OF DESIGN AND INNOVATION, JALPAIGURI UNIVERSITY

Prof. Gauri Gargate
Asst. PROFESSOR, IIT BOMBAY

22nd April, 2025
11:30 AM
9 MCKVIE

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

Photographs of the Event





INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Copy That! Copyrights Uncovered: Masterclass on Copyrights
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	23.04.2025
Program Ending Date	23.04.2025
Number of Students Participants	42
Number of Faculty Participants	19
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	To enhance understanding of copyright law, protection & challenges among creators and legal learners
Benefits in terms of learning/skill/knowledge development	Gained insights into copyright law, fair use, AI issues, and registration, enhancing awareness and compliance in intellectual property.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid0ze9J3Xj99UkzpPHJzkb1q24GUvFUJKUzbS1AK8Jmingdr2A1nqWLAsxRFAdyrAfGl/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914883885856391678?t=EnXq_Z5qUeLmJjUVF779lg&s=08 iii) Instagram: https://www.instagram.com/p/DIxhyBgSjNv/?igsh=MWx4aTluaGR3dWlocw==



Overall Report of the Activity

Date & Time: 23.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Ms. Anooja Padhee, Partner at K&S Partners, Intellectual Property Attorneys
(b) Dr. Hemant Khosla, Sr. Examiner of TM, GI & Copyrights and Deputy Registrar of Copyrights, DPIIT Ministry of Commerce & Industry, GoI

Topic: Copy That! Copyrights Uncovered: Masterclass on Copyrights

Key Learning:

- To enhance knowledge of copyright as a key IP tool protecting original literary, artistic, and digital works.
- To discuss the legal framework, rights of authors, and enforcement mechanisms available under national and international regimes.
- To promote respect for copyright and foster a deeper understanding of its role in supporting creative economies.
- To discuss the legal framework, rights of authors, and enforcement mechanisms available under national and international regimes.
- To promote respect for copyright and foster a deeper understanding of its role in supporting creative economies.

The IP Masterclass session, held on World Book and Copyright Day, focused on the fundamentals, enforcement, and emerging challenges of copyright law in India. Led by Ms. Anooja Padhee, an IP law expert, and Dr. Hemant Khosla, Deputy Registrar of Copyrights of India, the session offered deep legal and practical insights into the rights of creators, protection mechanisms, and current developments.

The session clarified that **copyright protection is automatic** upon the creation of an original work but **registration provides legal evidence** in case of disputes. Covered works include literary, artistic, musical, cinematographic, and digital creations like software. Key legal principles were explored, such as the **idea-expression dichotomy** (RG Anand vs Deluxe Films) and the **requirement of originality** involving a "modicum of creativity" (Eastern Book Company vs DB Modak).

Copyright societies were discussed as vital for managing rights and royalties, but the need for proper registration was stressed, illustrated by the Azure Hospitality vs PPL case. **Practical advice** on registration, documentation, and cost structures was provided, including distinctions between licensing and assignment.

A major segment addressed AI-generated content and related legal uncertainties. Referencing a real-time case (ANI vs OpenAI), the session examined authorship, data scraping for training, and enforcement gaps—highlighting the need for legal evolution in the face of advancing AI.

Dr. Kosla detailed how the Copyright Office is modernizing through online filing (96%), video hearings, and digitization, aiming to increase accessibility and reduce barriers. Despite these advancements, registration rates remain low, pointing to a pressing need for more awareness.

Fair use exceptions, the duration of copyright (life + 60 years), ownership rules for employment and commissioned works, and economic and moral rights were thoroughly explained. The



session emphasized the importance of understanding international treaties like TRIPS and Berne Convention, which ensure equal protection for foreign works under Indian law.

Finally, the Q&A addressed practical concerns around AI, licensing, traditional arts protection, and registration nuances. Educational outreach programs like the National IP Awareness Mission were encouraged to build a broader culture of IP respect and legal literacy.

Overall, the session offered a comprehensive, current, and actionable overview of copyright law, equipping creators, students, and legal professionals with the knowledge to navigate and protect creative rights in an evolving digital landscape.



Banner of the Event



Photographs of the Event







Required details for event report submission in IIC portal:

1. Academic Year: 2024-25
2. Program Driven by: (Choose Anyone)
 - i) **IIC calendar activity**
 - ii) MIC activity
 - iii) Celebration activity
 - iv) Self-driven activity
3. Quarter-4: [June'24 to August'24]
4. Program/Activity Name: KODIKAS 2K25 Innovation Driven Through GEN AI
5. Program type: (Choose anyone)
 - 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
 - Level-4
 - xiii) Workshop
 - xiv) Challenges
 - xv) Competition/Hackathon
 - xvi) Techfest
 - xvii) Bootcamp
 - xviii) 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): **12 Hours**
9. Start Date (In days): **19th August 2024**
10. End Date (In days): **20th May 2024**
11. Number of Student Participants (Min 40): **45**
12. Number of Faculty Participants: **6**
13. Number of External Participants, if any: **Na**
14. Expenditure amount, if any: (With supporting documents): **Nil**

15. Remark: The department of Computer Science and Engineering has organized the workshop for the second and third year students to give valuable insights into emerging AI tools and their practical applications and to enhance their knowledge of how Gen AI can be applied in real-world scenarios .

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

17. Overview:

- I. Objective:(100 letters): It explore concepts, tools, and applications of Generative AI for innovation and learning.
- II. Benefit in terms of learning/skill/knowledge obtained (150 letters): The workshop enhanced awareness of Generative AI, improved practical skills, and inspired innovative applications for academics and industry.

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://www.facebook.com/100076310046734/posts/pfbid0JbrV6bxbdAsLKqW6ZsFiUZNxcxJnJBpRJxvAVK9CMdR7XtmignhCPT9iBpeKbFG9I/?sfnsn=wa>
- ii) Twitter
- iii) Instagram : <https://www.instagram.com/p/DNQ0893z3YT/?igsh=OTH6b2t3dDc3bm5h>
- iv) LinkedIn



Academic Year 2023-24

Mentor-Mentee Program

Coordinator Detail	Mentor Institutions	Mentor Activity Schedule
Orientation & Mentoring sessions	Quarterly Progress Meetings	Organise IIC calendar activity
I&E Training & Exposure Visit	Progress Monitoring & Impact Measurement	Guidance
Handholding Support		

Orientation & Mentoring sessions

Conduct an orientation cum mentoring session for all the key functionaries of IIC members at mentee institutions.

[View Guidelines](#)

Sr.No.	Session No.	Session Date & Time	Meeting Link	Expert Name	Expert Designation	Contact info	Activity Brochure / Schedule	Action
No Data Found								

QUICK LINKS

- Home
- Innovation Council
- SIH
- ARIIA

SOCIAL MEDIA LINKS

- Twitter
- Facebook
- Youtube
- Instagram

CONTACT US

- www.mic.gov.in
- lic.mhrd@sicte-india.org
- 011 2958 1226/1513/1517/1235/1240



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



The Basic Science and Humanities department in collaboration with Institution's Innovation Council (IIC) of MCKVIE organized a **self-driven event**, "*Nurturing Innovation – Student Idea Contest*", on 18th and 19th August, 2025. This initiative aimed to **promote innovation and entrepreneurship, and research** among students, encouraging them to think beyond conventional boundaries and develop practical solutions to real-world challenges.

The main motto of the event was to **ignite creative thinking**, foster a spirit of **entrepreneurship**, and enable students to transform their innovative ideas into potential research and startup opportunities.

Each participant group presented their idea through a structured format that highlighted the **problem statement, innovative solution, feasibility, budget, research potential, and entrepreneurial value**. More than 130 ideas were initially submitted, out of which 54 were shortlisted and finally after a rigorous evaluation process, 29 groups comprising of 95 students from different streams showcased their innovative ideas. The main focus of the event was Technological innovation, Sustainable solutions, Social entrepreneurship, Research-driven development.

The event **enhanced students' critical thinking**, provided **entrepreneurial insights**, opened **research and mentoring opportunities**, and fostered **cross-disciplinary collaboration** for future innovation.

The "*Nurturing Innovation*" event successfully met its goal of empowering students to think innovatively and align their ideas with **entrepreneurship and research** opportunities. With active participation and enthusiastic response, the event highlighted the institution's commitment to **creating a culture of innovation** that nurtures future leaders and changemakers.





MCKV INSTITUTE OF ENGINEERING

An Autonomous Institute under UGC Act 1956

Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, W.B.

NAAC Accredited "A" Grade Institute

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

Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/



Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	BS-VI and OBD-II Familiarization		
Programme/Event type (choose and write only the appropriate one from the list)	Student Training Programme		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering	Venue	B316, VECV Workshop
Sponsored by (if any):	NA	Amount of sponsorship (Rs.)	NA
Date of Commencement: (in dd/mm/yyyy format)	24/07/2025	Date of Completion: (in dd/mm/yyyy format)	25/07/2025
Duration of event: (in days and mention hours for hands-on training program)	5 hours/day	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Tapas Kumar Biswas, AUE Dept.	Mob No.	8017270199
Convenor of the program/Event (Full Name with Dept.)	Nirvik Banerjee, AUE Dept.		
Type of Participants:	Students	No. of Participants:	Staff:0 Students: 41

Brief Report on the Event

(within 250 words approx., in Tahoma font, font size 9, line spacing: Multiple, at 1.2)

The Department of Automobile Engineering, MCKV Institute of Engineering (MCKVIE), successfully conducted a two-day training programme on "BS-VI and OBD-II Familiarization" from 24th to 25th July 2025. The session was conducted by Mr. Raju Mondal, a senior expert from VE Commercial Vehicles (VECV). The objective of the training was to provide students with a deeper understanding of Bharat Stage-VI emission norms and On-Board Diagnostics-II (OBD-II) systems, both of which are critical in the context of modern automotive technologies and regulatory compliance. A total of 41 students from the AUE and ME department participated in this training. The training was highly informative and interactive, helping students bridge the gap between academic knowledge and industry practices. Mr. Raju Mondal's in-depth explanations and real-world experience made the sessions particularly impactful.



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Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/



Enclose 2-3 nos photographs in JPG Format and paste the same in the box below:



Date of submission:05/08/2025

Overall Event Report

Expert Session & Panel Discussion

Theme: *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"*

Event Overview

The Institution's Innovation Council (IIC-NISP) and the Start-Up Club of MCKV Institute of Engineering successfully organized an Expert Session and Panel Discussion on the theme *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"* on **30th July 2025 at 11:00 AM** in the **B312**.

The event was designed to emphasize the significance of **Intellectual Property Rights (IPR)** in nurturing innovation and supporting the startup ecosystem. Experts from academia, and entrepreneurial ventures came together to share insights, strategies, and real-world experiences on how safeguarding intellectual property can catalyze entrepreneurial growth and sustainability.

Objectives of the Event

- To create awareness about the importance of IPR among students, researchers, and entrepreneurs.
- To highlight various mechanisms of patent filing, copyrights, and trademarks.
- To showcase real-life startup case studies that leveraged IPR for business success.
- To facilitate knowledge exchange through an interactive panel discussion.

Key Highlights

1. **Expert Talks:** Eminent speakers from industry and academia addressed the critical role of IPR in driving innovation.
2. **IPR & Startups:** Discussions on how startups can strategically use IPR for competitive advantage and long-term growth.
3. **Patent Filing Mechanisms:** Step-by-step guidance on patent filing procedures, protection frameworks, and global IPR policies.
4. **Case Studies:** Illustrations from successful startups that used IPR protection as a foundation for scaling their ventures.
5. **Panel Discussion:** A vibrant interaction between IPR experts, legal professionals, startup founders, and participants, encouraging queries and idea-sharing.

Expert Speakers & Panelists

The session was enriched with contributions from the following dignitaries:

- **Dr. Rahul Kapoor** , IPR Expert, Founder TurnIP Innovations
- **Dr. Rajarshi Sanyal** , IPR Expert & Institutional Representative
- **Dr. Abhijit Dutta**, Academic Expert on Innovation & Entrepreneurship
- **Dr. Rahul Kapoor**, Founder of TurnIP Innovations shared entrepreneurial insights

Participation Details

The event witnessed overwhelming participation from:

- Total Number of participants: 118
 - Students from various engineering and management disciplines : 107
 - Faculty members and researchers : 11

Outcomes of the Event

- Enhanced awareness of the role of IPR in fostering innovation and entrepreneurship.
- Participants gained practical insights into filing patents and safeguarding their ideas.
- Strengthened collaboration between academia, legal professionals, and entrepreneurs.
- Encouragement for students and innovators to actively integrate IPR strategies into their entrepreneurial journey.

Conclusion

The Expert Session & Panel Discussion on *"Protect to Prosper: IPR as a Catalyst for Innovation & Startup"* proved to be an enriching and thought-provoking event. It not only highlighted the importance of safeguarding intellectual property but also inspired participants to innovate responsibly while ensuring long-term protection of their creative ideas.

The event successfully aligned with the vision of fostering a culture of innovation, entrepreneurship, and intellectual property awareness at MCKV Institute of Engineering.

INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Funding for Startup Opportunities
Programme Type	Expert talk
Programme Theme	Innovation & Design Thinking
Program Stats Date	20.05.2025
Program Ending Date	20.05.2025
Number of Students Participants	00
Number of Faculty Participants	59
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Understand YUKTI Repository and IIC framework to foster innovation and startups in institutions
Benefits in terms of learning/skill/knowledge development	Gained insights on TRL stages, innovation lifecycle, funding, mentorship, and repository usage to support startup growth
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid02t3GSgz7fEne6VFTupScpJdUHcgTWC5n5t9hmBcLxzfnHPJvhHdr1TDUSZZ4ntDI/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1924443354231980350?t=yZ5DXq2_wCqTbAtusTghcw&s=08 iii) Instagram: https://www.instagram.com/p/DJ1d_KRvMAs/



Overall Report of the Activity

Date & Time: 20.05.2025 & 11:30 AM onwards

Speaker: Dipan Sahu, Assistant Innovation Director, Ministry of Education's Innovation Cell

Topic: Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Funding for Startup Opportunities

Key Learning:

- Understood the role of YUKTI Repository in managing and tracking institutional innovations.
- Learned how Technology Readiness Levels (TRLs) help assess and support innovation maturity.
- Gained clarity on funding opportunities like APF and YUKTI Innovation Challenge for student startups.
- Recognized the importance of multi-stage mentoring, verification, and collaboration in innovation success.

The session, organized by the Ministry of Education's Innovation Cell (MIC) and AICTE, highlighted the role and functionality of the YUKTI Innovation Repository and the Institutional Innovation Council (IIC) framework as central components of India's higher education innovation ecosystem. Anchored by Mr. Dipan Sahu, Assistant Innovation Director at MIC, the session was part of the broader IIC 7.0 initiative aimed at fostering innovation, entrepreneurship, and startups within academic institutions.

The YUKTI Repository is a zero-cost, digital platform launched to systematically capture, verify, and nurture ideas, innovations, startups, and intellectual properties (IPs) emerging from colleges and universities. Since its inception in 2019, over 15,500 institutions have joined, with nearly 1.9 lakh entries recorded. These include student and faculty-led innovations that are verified through a multi-stage process involving mentors and experts. The repository connects innovations with mentors, incubators, and investors to facilitate their development and commercialization.

The Institutional Innovation Councils (IICs) are mandated at institutional levels to create localized ecosystems through innovation activities, startup mentorship, and capacity-building programs. Innovation ambassadors, faculty mentors, and structured mentoring processes guide the growth of ideas through various Technology Readiness Levels (TRLs)—from concept to prototype to product.

The session also introduced funding opportunities such as the AICTE Productization Fellowship (APF) and YUKTI Innovation Challenge 2025, which offer financial aid of up to ₹10 lakhs for selected innovations. The APF targets students from AICTE-approved institutions, while the YUKTI Challenge is open to faculty, alumni, and incubated startups with entries in the innovation repository.

A significant focus was placed on building collaborative innovation ecosystems through cross-institutional partnerships, structured mentoring boot camps, and zonal networking. Emphasis was also laid on the rising trend of patent filings and the importance of timely submission, regular repository updates, and eligibility compliance for funding programs.



The session concluded with details on upcoming orientation sessions, zonal Q&A, and the importance of institutional discipline and proactive participation. It reinforced that the synergy of digital innovation management, strategic mentorship, IP protection, and financial support is driving a new innovation culture across India's higher education landscape—positioning academic institutions as the bedrock of the country's startup and technology growth.



Banner of the Event

The banner is blue with white text. At the top, it lists logos for G20 India 2023, Institution's Innovation Council, MoE's Innovation Cell, 75 Azadi Ka Amrit Mahotsav, and MCKV. Below the logos, it says "IIC MCKVIE presents" followed by the title "MIC Driven Activity" in large bold letters. The subtitle reads "Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities". The date and time are "Date: 20.05.2025 Time: 11:30 AM to 12:30 PM" and the venue is "Venue: SIT Hall". At the bottom, it lists the SPOC: "Dr. Abhijit Pramanik (9534080407), Mr. Sourav Ghorai (8900022915)".

IIC MCKVIE presents

MIC Driven Activity

Building YUKTI Innovation Repositories in IIC Institutions: Productizing Campus Ideas & Boosting Innovation Funding for Startup Opportunities

Date: 20.05.2025 Time: 11:30 AM to 12:30 PM
Venue: SIT Hall

SPOC: Dr. Abhijit Pramanik (9534080407),
Mr. Sourav Ghorai (8900022915)

Photographs of the Event







Howrah, West Bengal, India

243, G. T. Rd (north), Dilush, Howrah, West Bengal 711204, India

Lat 22.625147° Long 86.347296°

20/05/2025 11:51 AM GMT +05:30

Google

GPS Map Camera

INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	21.04.2025
Program Ending Date	21.04.2025
Number of Students Participants	70
Number of Faculty Participants	43
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Celebrate creativity, promote IP awareness, and launch IP UTSAV to foster national IP literacy.
Benefits in terms of learning/skill/knowledge development	Gained deeper knowledge of IP rights, improved skills in innovation protection & enhanced awareness of the role of IP in creative and economic growth.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid02e6LBitVAu7kQpzn7EZtE1cXGmjZWDvr22ANV86kjjbRpgCpC84ZV1kC68S24uTl/?sfnsn=wa ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1913999807829721296?t=7UFyI50903cn17ZnNJg3hA&s=08 iii) <u>Instagram</u> : https://www.instagram.com/p/DlrQLJASYxr/?igsh=MW8xaWxxMGpyMGp6Ng==



Overall Report of the Activity

Date & Time: 21.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Prof. T. G. Sitharam, Chairman, AICTE

(b) Dr. Abhay Jere, Vice Chairman, AICTE

(c) Dr. Sacha Wunsch-Vincent Head of Section, Economics and Statistics Division, and co-editor of The Global Innovation Index (GII) at the World Intellectual Property Organization (WIPO)

(d) Prof. (Dr.) Unnat P. Pandit

Controller General of Patents, Designs & Trademarks Registrar of Copyright and Geographical Indication, DPIIT, MoCI, Government of India

Topic: Inauguration of IP UTSAV and Celebration of World Creativity and Innovation Day

Key Learning:

- To highlight the transformative power of creativity and innovation in driving economic, social, and cultural development.
- To raise awareness of the role of the intellectual property system in encouraging and safeguarding creativity across sectors.
- To inaugurate IP UTSAV as a national platform fostering IP literacy and engagement among creators, innovators, and the public.

The speech discusses India's growing innovation ecosystem, emphasizing the role of intellectual property (IP) and creativity in shaping the country's future. Dr. Sacha Vincent, representing the World Intellectual Property Organization (WIPO), highlighted India's significant progress in innovation, noting the country's rise from 80th to 39th in the Global Innovation Index. He commended India's emerging venture capital landscape and government-backed initiatives, particularly in deep tech areas like AI, quantum computing, and space. Despite this, Dr. Vincent stressed the need for further development in late-stage venture capital, urging more international collaboration in research and development (R&D) and increased foreign participation in Indian innovation ecosystems.

The importance of intellectual property (IP) was a major theme of the speech, with Dr. Vincent emphasizing that India's IP system is now deeply ingrained in the national consciousness. He praised India's growing number of patent filings and IP-related activities, especially in educational settings, where awareness of IP rights is being instilled from a young age. He expressed optimism for India's future role in shaping the global innovation landscape, particularly as it redefines IP and creativity from a local to a global scale.

Dr. T.G. Sitharam, Chairman of the AICTE, reinforced this view by highlighting AICTE's commitment to building a culture of innovation, creativity, and entrepreneurship within India's educational institutions. He acknowledged the alignment of AICTE's initiatives with the National Education Policy (NEP) 2020, which encourages hands-on learning, interdisciplinary collaboration, and fostering entrepreneurship among students.

Dr. Sitharam introduced AICTE's initiatives such as the establishment of over 400 Idea Labs across engineering institutions, promoting student-led innovation. These labs support the development of new products and technologies, with a focus on design thinking and prototyping. Additionally, AICTE has created the Kalam Program for IP Literacy, raising awareness about IP rights and ensuring their proper use in educational settings. He also discussed the growing regional innovation ecosystems, particularly in smaller cities and towns, facilitated by AICTE's



Innovation Centers and collaborations with organizations like the Wadwani Foundation.

Lastly, the speech highlighted AICTE's focus on supporting innovation finance, with new schemes like fellowships for productization and industry collaboration, aiming to help students and faculty further develop their ideas. The overall goal is to foster a robust innovation culture that empowers India's youth to contribute to global progress, with AICTE playing a central role in this transformation.

Banner of the Event



IIC MCKVIE Presents
MIC Driven Activity
INAUGURATION OF IP UTSAV & CELEBRATION OF WORLD CREATIVITY AND INNOVATION DAY

Dr. T. G. Satharaj
 CHAIRMAN, IIC
 MEMBER OF INNOVATION, GOVT. OF INDIA

Dr. Sachin Vinnar
 HEAD OF INNOVATION, RESEARCH AND CREATION
 PROGRAM, INSTITUTIONS OF THE COUNCIL
 (INNOVATION HUBS) OF THE WORLD

Dr. Abhinav Jena
 CHAIRMAN, IIC
 MEMBER OF INNOVATION, GOVT. OF INDIA

Prof. Dr. Linnet Pande
 CHAIRMAN, IIC
 MEMBER OF INNOVATION, GOVT. OF INDIA

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

21st April, 2025
11:30 AM
9 B312

Photographs of the Event







INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Discover more with Design Registrations: Masterclass on Patents and Design Registration
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	22.04.2025
Program Ending Date	22.04.2025
Number of Students Participants	59
Number of Faculty Participants	41
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Promote IP awareness, design protection & innovation commercialization among educators and students.
Benefits in terms of learning/skill/knowledge development	Gained practical knowledge of design registration, IP laws, and innovation tools to protect and commercialize creative ideas.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid0iuUT5N8P5t1zMG1wkui3CQJosdrfdSFRf5voixeHG3nnPyhduYmBM5UqimuLZR1ql/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914364430663512510?t=kpbJNnAnTS8Agruw1768zg&s=08 iii) Instagram: https://www.instagram.com/p/DIt1zl4ywiZ/?igsh=NWNnNTZzbGxuMnl2



Overall Report of the Activity

Date & Time: 22.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Prof. Gauri Gargate, Faculty, IP Law & Management, IIT Kharagpur

(b) Dr. B. K. Chakravarthy, Prof. & Dean School of Design Innovation, Mahindra University

Topic: Discover more with Design Registrations: Masterclass on Patents and Design Registration

Key Learning:

- To develop a practical understanding of the protection available through patents and industrial designs.
- To demystify the application and registration process, emphasizing accessibility and strategic benefits for inventors and creators.
- To demonstrate how design and patent rights contribute to innovation, product differentiation, and competitive advantage in the marketplace.

The masterclass held during the Intellectual Property (IP) Week, organized by the Ministry of Education's Innovation Cell and AICTE, focused on design registration, IP protection, and commercialization. Experts Prof. B.K. Chakravarthy (Mahindra University) and Prof. Gauri Gargate (IIT Kharagpur) led the session, offering in-depth insights into design-driven innovation, legal frameworks, and strategies to protect and commercialize creative ideas.

Prof. Chakravarthy emphasized integrating entrepreneurship into design education from the outset, ensuring that innovations are not just conceptual but market-ready. He illustrated this with case studies like the solar oven, ergonomic porter's chair ("pali"), specialized water bottles for forest dwellers, and redesigned helmets. These examples demonstrated the "Seven C's" framework - Cause, Context, Comprehension, Check, Crafting, Connection, and Communication—as a holistic model for innovation that is both user-centric and IP-aware.

Prof. Gauri Gargate elaborated on the legal and procedural aspects of design registration in India under the Design Act 2000, which grants protection for 10 years, extendable by 5. She clarified that design registration protects the aesthetic aspects (shape, pattern, color) of products, unlike patents, which cover functional elements. She also discussed international practices, the importance of novelty, visibility, and distinctiveness in registering a design, and enforcement mechanisms including oppositions and legal recourse.

The session highlighted India's growing IP ecosystem, with increasing design filings from domestic and foreign applicants. Strategic IP management—combining patents, trademarks, trade secrets, and design registrations—was identified as crucial for enhancing brand value, exclusivity, and commercialization potential. Real-world monetization through licensing, technology transfer, and royalties was emphasized as a motivator for innovators and students.

Collaboration with MSMEs, affordable licensing models, and user-centered design were presented as key to scaling innovations. Educational resources such as Coursera, Swayam, YouTube channels, and open-access case studies were recommended for fostering IP literacy and innovation culture.

In conclusion, the masterclass provided a comprehensive guide to transforming creative ideas into protected, market-ready solutions through strategic use of IP. It advocated for a proactive, integrated approach to design and entrepreneurship, encouraging continuous awareness, vigilance, and engagement with the IP system to strengthen India's innovation landscape.

Banner of the Event



IIC MCKVIE Presents
MIC Driven Activity
DISCOVER MORE WITH
DESIGN REGISTRATIONS: MASTERCLASS ON
PATENTS AND DESIGN

Dr. RK Chakraborty
 PROF. & HEAD, SCHOOL OF DESIGN AND INNOVATION, JALPAIGURI UNIVERSITY

Prof. Gauri Gargate
 Asst. PROFESSOR, IIT BOMBAY

22nd April, 2025
11:30 AM
9 MCKVIE

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

Photographs of the Event





INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Copy That! Copyrights Uncovered: Masterclass on Copyrights
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	23.04.2025
Program Ending Date	23.04.2025
Number of Students Participants	42
Number of Faculty Participants	19
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	To enhance understanding of copyright law, protection & challenges among creators and legal learners
Benefits in terms of learning/skill/knowledge development	Gained insights into copyright law, fair use, AI issues, and registration, enhancing awareness and compliance in intellectual property.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid0ze9J3Xj99UkzpPHJzkb1q24GUvFUJKUzbS1AK8Jmingdr2A1nqWLAsxRFAdyrAfGl/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914883885856391678?t=EnXq_Z5qUeLmJjUVF779lg&s=08 iii) Instagram: https://www.instagram.com/p/DIxhyBgSjNv/?igsh=MWx4aTluaGR3dWlocw==



Overall Report of the Activity

Date & Time: 23.04.2025 & 11:30 AM – 01:00 PM

Speaker: (a) Ms. Anooja Padhee, Partner at K&S Partners, Intellectual Property Attorneys
(b) Dr. Hemant Khosla, Sr. Examiner of TM, GI & Copyrights and Deputy Registrar of Copyrights, DPIIT Ministry of Commerce & Industry, GoI

Topic: Copy That! Copyrights Uncovered: Masterclass on Copyrights

Key Learning:

- To enhance knowledge of copyright as a key IP tool protecting original literary, artistic, and digital works.
- To discuss the legal framework, rights of authors, and enforcement mechanisms available under national and international regimes.
- To promote respect for copyright and foster a deeper understanding of its role in supporting creative economies.
- To discuss the legal framework, rights of authors, and enforcement mechanisms available under national and international regimes.
- To promote respect for copyright and foster a deeper understanding of its role in supporting creative economies.

The IP Masterclass session, held on World Book and Copyright Day, focused on the fundamentals, enforcement, and emerging challenges of copyright law in India. Led by Ms. Anooja Padhee, an IP law expert, and Dr. Hemant Khosla, Deputy Registrar of Copyrights of India, the session offered deep legal and practical insights into the rights of creators, protection mechanisms, and current developments.

The session clarified that **copyright protection is automatic** upon the creation of an original work but **registration provides legal evidence** in case of disputes. Covered works include literary, artistic, musical, cinematographic, and digital creations like software. Key legal principles were explored, such as the **idea-expression dichotomy** (RG Anand vs Deluxe Films) and the **requirement of originality** involving a "modicum of creativity" (Eastern Book Company vs DB Modak).

Copyright societies were discussed as vital for managing rights and royalties, but the need for proper registration was stressed, illustrated by the Azure Hospitality vs PPL case. **Practical advice** on registration, documentation, and cost structures was provided, including distinctions between licensing and assignment.

A major segment addressed AI-generated content and related legal uncertainties. Referencing a real-time case (ANI vs OpenAI), the session examined authorship, data scraping for training, and enforcement gaps—highlighting the need for legal evolution in the face of advancing AI.

Dr. Kosla detailed how the Copyright Office is modernizing through online filing (96%), video hearings, and digitization, aiming to increase accessibility and reduce barriers. Despite these advancements, registration rates remain low, pointing to a pressing need for more awareness.

Fair use exceptions, the duration of copyright (life + 60 years), ownership rules for employment and commissioned works, and economic and moral rights were thoroughly explained. The



session emphasized the importance of understanding international treaties like TRIPS and Berne Convention, which ensure equal protection for foreign works under Indian law.

Finally, the Q&A addressed practical concerns around AI, licensing, traditional arts protection, and registration nuances. Educational outreach programs like the National IP Awareness Mission were encouraged to build a broader culture of IP respect and legal literacy.

Overall, the session offered a comprehensive, current, and actionable overview of copyright law, equipping creators, students, and legal professionals with the knowledge to navigate and protect creative rights in an evolving digital landscape.



Banner of the Event



Photographs of the Event







INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Mark the Spot: Trademarks Talk: Masterclass on Trademarks and Geographical Indications
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Start Date	24.04.2025
Program Ending Date	24.04.2025
Number of Students Participants	59
Number of Faculty Participants	42
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Understand trademarks and GIs to protect brand identity and regional product uniqueness.
Benefits in terms of learning/skill/knowledge development	Gained insights into trademark laws, GI protection, filing procedures, and global IP strategies for brand and heritage preservation.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid0gC6wKnqLyuuXEcYPKsBDB5fRBaEnsTMH9wKniFL2KTEh9TkN4TR3HgUE2LaTCQrvl/ ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1914883967850889581?t=x06itg9bBXm4WR8juMuTyA&s=08 iii) <u>Instagram</u> : https://www.instagram.com/p/DIxx1KWYMQ/?igsh=MWxpMm5mbm9sbzQ2Zw==



Overall Report of the Activity

Date & Time: 24.04.2025 & 11:30 AM – 01:00 PM

Speaker: Dr. Rahul Taneja, Scientist B, Haryana State Council for Science, Innovation and Technology, Directorate of Science and Technology (Haryana), and Registered Patent & Trademark Agent

Topic: Mark the Spot: Trademarks Talk: Masterclass on Trademarks and Geographical Indications

Key Learning:

- To understand the fundamentals of trademarks and geographical indications (GIs) and their role in branding and origin identity.
- To learn the registration process, protection mechanisms, and enforcement of trademarks and GIs.
- To explore how trademarks and GIs add economic value and promote regional products and heritage.

This masterclass delves into trademarks and geographical indications (GIs), essential tools in intellectual property (IP) protection for securing brand identity and regional product authenticity. Led by Dr. Rahul Taneja, an expert in pharmaceutical sciences and IP law, the session provides foundational knowledge and strategic guidance for startups, MSMEs, and innovators.

Dr. Taneja begins by distinguishing between tangible and intangible assets, followed by an overview of IPRs, including patents, copyrights, industrial designs, trademarks, and GIs. He defines trademarks as distinctive signs—names, logos, shapes, or colors—that differentiate goods/services and are legally renewable every 10 years. While all trademarks are brands, not all brands are legally protected trademarks.

The session highlights the Nice Classification system's 45 classes for trademark registration, emphasizing the importance of selecting appropriate classes and creating distinctive marks to avoid rejection. Legal pitfalls, such as using generic, religious, or geographical terms, are discussed. Examples like Nike's swoosh demonstrate the power of visual identifiers in building brand identity.

On GIs, Dr. Taneja explains these as collective rights for communities tied to products with unique regional characteristics, such as Basmati rice or Mysore Sandalwood. Unlike trademarks, GIs cannot be assigned or transferred and protect traditional knowledge and cultural heritage.

The session outlines the step-by-step trademark registration process: searching, filing (online or offline), examination, opposition, and certification, including renewal rules. It introduces the Madrid Protocol, enabling centralized trademark filings across multiple countries, a significant tool for internationalizing Indian brands.

Key comparisons are drawn between trademarks and service marks, industrial designs, and the broader IP framework. Real-world queries on AI-generated marks, brand timing for startups, and filing strategies are addressed. Dr. Taneja underscores the complementarity of IP types—patents for inventions, copyrights for creativity, designs for aesthetics, and trademarks for identity.

Concluding with an appeal for strategic IP planning, he highlights government-supported IP



facilitation centers (IPFCs), which aid with filing and offer reimbursements.

The session equips participants with practical legal and procedural knowledge critical for protecting business identity and regional uniqueness in competitive and globalized markets.



Banner of the Event



Photographs of the Event





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

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Significance of IP Protection and Commercialization
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	25.04.2025
Program Ending Date	25.04.2025
Number of Students Participants	75
Number of Faculty Participants	23
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Understand IP rights and strategies for protection and commercialization of innovations.
Benefits in terms of learning/skill/knowledge development	Learned how to use multiple IP tools to protect innovations and commercialize them effectively across sectors.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) <u>Facebook</u> : https://www.facebook.com/100076310046734/posts/pfbid0sPo1dTkbrTLvSAqRvG3aEaM6eSHto9fDTukXg4BmdZtDAGfo6Hpa4ngF6nYJ6n1l/?sfnsn=wa ii) <u>Twitter</u> : https://x.com/IICMCKVIE/status/1914883941523194095?t=9LfWUGbA9ENgbykZAgrkpQ&s=08 iii) <u>Instagram</u> : https://www.instagram.com/p/DIxh0JlySGb/?igsh=MW9oM2JqM3hwn2d6bg



Overall Report of the Activity

Date & Time: 25.04.2025 & 11:30 AM – 01:00 PM

Speaker: Dr. Sripathi Rao Kulkarni, Senior Principal Scientist, CSIR Innovation Complex - Mumbai

Topic: Significance of IP Protection and Commercialization

Key Learning:

- To explore the economic and strategic benefits of IP protection across sectors.
- To understand various IP commercialization avenues including licensing, technology transfer, and startup incubation.
- To identify government schemes and support systems available for IP- driven innovation and business growth.

The video session by Dr. Sripathi Rao Kulkarni from CSIR Innovation Complex Mumbai offers an insightful overview of Intellectual Property (IP) protection and commercialization, forming part of the IPA 2025 initiative by AICTE and the Ministry of Education's Innovation Cell. Dr. Kulkarni emphasizes that innovation success depends not only on creation but also on strategically safeguarding and commercializing IP assets.

The session covers various IP rights such as patents, copyrights, trademarks, trade secrets, industrial designs, semiconductor layouts, and plant variety rights. Dr. Kulkarni highlights the importance of employing multiple IP instruments simultaneously to create layered protection. For example, a mobile phone can be shielded by patents (technology), copyrights (software/manuals), trademarks (brand), and industrial designs (appearance). The discussion underscores that understanding the unique scope of each IP type is essential for effective protection.

He illustrates the distinction between copyright and design rights using a motorcycle sketch case, showing why relying on one protection form is inadequate. The session also explores infringement types, placing the burden of proof on IP holders and clarifying ethical and legal differences between plagiarism and copyright violation.

Patents receive detailed attention, including their definition, filing processes, territorial limits, and essential criteria: novelty, inventive step, and industrial applicability. Dr. Kulkarni explains how patent claims define the legal boundaries of protection—much like property boundaries. The session discusses Indian patent law's restrictions on patenting known substances without enhanced therapeutic efficacy, referencing Section 3D, which prevents trivial patents and supports affordable medicines.

The commercialization segment highlights the entrepreneurial qualities required to translate IP into marketable products, such as endurance and strategic focus. Real-world challenges in drug development—like high costs, lengthy timelines, and clinical trial risks—are described, along with a success story of the CSIR-developed non-steroidal contraceptive, "Saheli," which exemplifies impactful IP-led innovation.

The Q&A section addresses practical questions on patent filing across industries, licensing costs, differentiating ideas from patentable inventions, and tech transfer from academia to industry. The session closes with encouragement for Indian innovators to pursue globally significant



inventions.

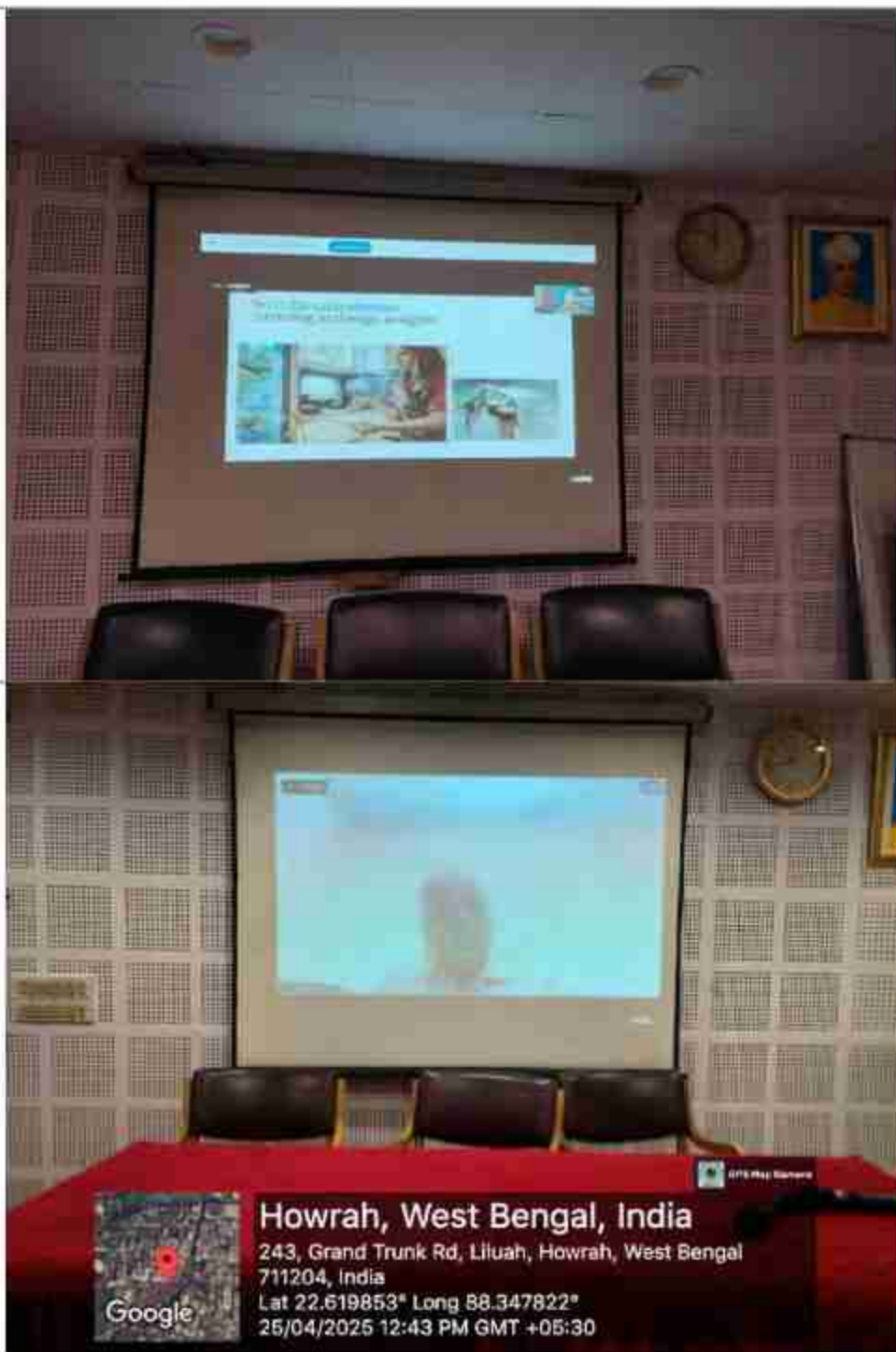
Overall, the session provides a comprehensive, practical guide on the strategic use of IP rights, emphasizing layered protection, rigorous patent standards, and effective commercialization to foster innovation ecosystems in India.

Banner of the Event



Photographs of the Event







Howrah, West Bengal, India

243, Grand Trunk Rd, Liluah, Howrah, West Bengal
711204, India
Lat 22.619843° Long 88.347874°
25/04/2025 12:22 PM GMT +05:30

INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Three
Activity Name	Patent to Product (Srujanta Se Samruddhi)
Programme Type	Expert talk
Programme Theme	IPR & Technology Transfer
Program Stats Date	26.04.2025
Program Ending Date	26.04.2025
Number of Students Participants	42
Number of Faculty Participants	56
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	To understand patenting and commercialization processes, empowering innovation from lab to market.
Benefits in terms of learning/skill/knowledge development	Gained insights into IP rights, patent filing, TRLs, and tech transfer to commercialize innovations into market-ready products.
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/100076310046734/posts/pfbid02eppFwRzoZ1CcN6FgHKbr9tHd56Eeg8W2agAuTkxWRbVMb1LL9x9Q1rfS3JRUR6SP1/?sfnsn=wa ii) Twitter: https://x.com/IICMCKVIE/status/1914883914134376471?t=5LuUkTLsxgXlCdIC8feggA&s=08 iii) Instagram: https://www.instagram.com/p/DIxhzDgSEty/?igsh=aGd5aGEyZmQwbmpz



Overall Report of the Activity

Date & Time: 26.04.2025 & 11:30 AM – 01:00 PM

Speaker: Dr. Dara Ajay, Head - Technology Transfer Office, Intellectual Property Management Cell, IIT Madras

Topic: Patent to Product (Srujanta Se Samruddhi)

Key Learning:

- To trace the journey from patent filing to product development and market entry.
- To highlight the role of innovation, entrepreneurship, and ecosystem support in commercializing patents.
- To inspire innovators by showcasing success stories of patent-led startups and technologies under the "Srujanta Se Samruddhi" (Creativity to Prosperity) theme.

The "Patent to Product" session, part of IP Week 2025 organized by AICTE and the Ministry of Education's Innovation Cell, commemorated World Intellectual Property Day by highlighting the journey from patenting to commercialization. Expert speakers Mr. Jai Veer (Assistant Controller of Patents and Designs, DPIIT) and Dr. Dara Ajay (Head, Technology Transfer Office, IIT Madras) provided a deep dive into both the legal and strategic aspects of intellectual property (IP) and its role in transforming innovations into viable products.

Mr. Veer outlined the fundamentals of IP rights with an emphasis on patents, including patentability criteria—novelty, inventive step, and industrial applicability—filing procedures, timelines, and the significance of well-drafted claims. He also stressed the role of prior art searches, the importance of maintaining confidentiality before filing, and how online tools support efficient IP management, particularly for academic institutions and startups.

Dr. Ajay focused on the commercialization aspect—specifically, how patented inventions progress through Technology Readiness Levels (TRLs), moving from lab-scale prototypes to market-ready products. He addressed the common challenges encountered during the "valley of death" stage, where funding shortages and market uncertainties hinder progress. He emphasized the need for business planning, licensing strategies, market validation, and stakeholder collaboration to bridge this gap successfully.

A notable case study of Chem Biosciences, a startup from IIT Madras, illustrated how multi-patented fiber optic sensor technology was commercialized through strategic partnerships, licensing, and international collaboration. This example reinforced the value of institutional support, continuous IP portfolio management, and effective tech transfer mechanisms.

The session concluded with a vibrant Q&A covering practical concerns like patent costs, duration, refusals, emerging tech patentability (e.g., algorithms), and specific challenges faced by institutions in smaller cities. Special mention was made of the Capila scheme, which supports patent filing and examination fees for educational institutions and fosters grassroots innovation across India.

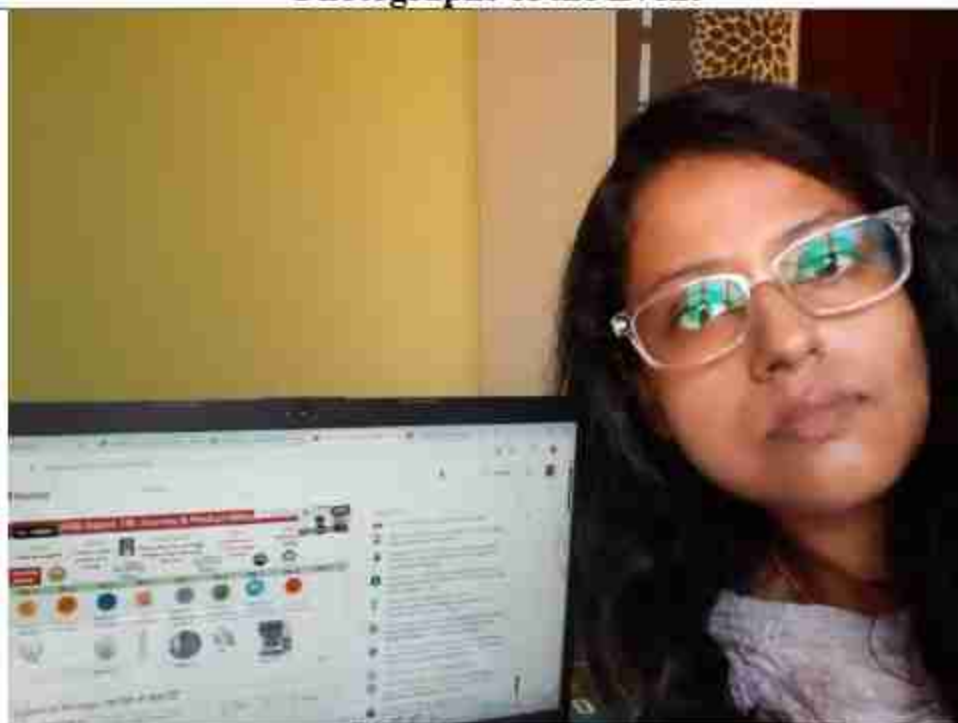
In essence, the session provided a comprehensive roadmap for innovators—from securing IP protection to navigating commercialization. It underscored that while a patent is a legal right, transforming it into a successful product requires technical validation, funding, business strategy, and institutional ecosystems that encourage innovation and collaboration.



Banner of the Event



Photographs of the Event







Overall Report on IdeaFusion 2025

1. Introduction

The Institution's Innovation Council (IIC) and Start-Up Club of the MCKV Institute of Engineering (MCKVIE) are jointly organizing **IdeaFusion 2025**, a two-day **Exhibition and Poster Presentation** scheduled for **21st – 22nd August 2025** at the institute premises. The event is designed to promote innovation, creativity, and entrepreneurial spirit among engineering students, aligning with the vision of fostering a culture of research and innovation in higher education institutions.

2. Objectives

The primary objectives of IdeaFusion 2025 are as follows:

- To provide a structured platform for students to demonstrate innovative models and research-oriented posters.
- To encourage problem-solving approaches and interdisciplinary applications of engineering knowledge.
- To facilitate interaction with peers, faculty members, and industry experts for knowledge exchange.
- To recognize and reward outstanding contributions through awards, certificates, and acknowledgment.
- To strengthen the innovation and start-up ecosystem within the institution.

3. Eligibility and Participation

The event is **open exclusively to undergraduate (UG) and postgraduate (PG) students of MCKVIE**. Interested participants are required to submit an **abstract of their working model or poster** within the prescribed deadline through the official submission link or email provided by the organizers.

4. Key Features of the Event

- Exhibition of working models and poster presentations.
- Evaluation and recognition by peers, faculty members, and invited industry experts.
- Three (3) Prizes in each category (Model and Poster) and certificates to encourage excellence and innovation.
- Networking opportunities among student innovators for collaborative initiatives.
- Evaluation was done by external Judge **Prof.(Dr.) Hrishikesh Bhaumik**, Professor, Dept. of IT, RCC Institute of Information Technology

5. Thematic Areas

The scope of IdeaFusion 2025 encompasses diverse themes, including but not limited to:

- Artificial Intelligence (AI) and Internet of Things (IoT)
- Sustainable Technologies
- Smart Systems and Automation
- Robotics and Intelligent Machines
- Green and Renewable Energy Solutions
- Product Design and Innovation

6. Expected Outcomes

- Promotion of innovation-driven learning and problem-solving competencies among students.
- Generation of novel ideas with scope for practical application and entrepreneurial ventures.
- Strengthened institutional image as a hub for technical creativity and innovation.
- Enhanced collaboration between the academic community and industry stakeholders.

7. Conclusion

IdeaFusion 2025 is envisioned as a flagship initiative of MCKVIE to nurture and showcase the innovative potential of its student community. The event seeks to transform creative concepts into impactful technological solutions, thereby reinforcing the institution's commitment to fostering an environment of innovation, research, and entrepreneurship.

MCKV Institute of Engineering

Report on the 1st International Conference on Sustainable Communication, Machine Intelligence, and Metaverse (SCMIM 2025)

February 7th to 8th, 2025

The 1st International Conference on Sustainable Communication, Machine Intelligence, and Metaverse (SCMIM 2025) was successfully held in a hybrid format from February 7th to 8th, 2025, at MCKV Institute of Engineering, India. Jointly organized by MCKV Institute of Engineering (India), Yuan Ze University (Taiwan), and EIT (Australia), the conference served as a dynamic platform for discussions on AI-driven decision-making, sustainable communication, and metaverse applications.

SCMIM 2025 was honored to have the esteemed Prof. Gerhard Wilhelm Weber (Poznan University of Technology, Poland) as Honorary Chair, and Shri Kishan Kumar Kejriwal, Chairman of MCKV Group, as Chief Patron. We were also privileged to receive strong support from Prof. Sun Yi-Ming, Dean of Engineering at Yuan Ze University, Taiwan. Dr. Prasenjit Chatterjee, Dean – Research & Consultancy was the Organizing Secretary, who had the great responsibility of coordinating this large-scale event, ensuring its success through meticulous planning, collaboration, and a shared vision of advancing sustainable and intelligent technologies.

The conference was honored by the presence of eminent keynote speakers, including Dr. Shervin Zakeri (University of Geneva), Prof. Yuvraj Gajpal (University of Manitoba, Canada), Prof. Josua Thomas (Penang University College, Malaysia), and Prof. Akhtar Kalam and Dr. Akhlaqur Rahman (EIT, Australia). Their expertise and visionary insights significantly enriched discussions on AI, digital transformation, and sustainability. SCMIM 2025 featured engaging keynotes by global experts, technical paper presentations, and interactive sessions on AI, blockchain, and immersive digital ecosystems. The conference attracted 377 full-paper submissions from across the globe with 85 papers accepted (around 22% acceptance rate), ensuring high academic standards. The event fostered academia-industry collaboration and emphasized ethical AI deployment.

Adding to the vibrancy of the event, SCMIM 2025 celebrated "Unity in Diversity" through cultural performances showcasing the rich heritage of India and participating countries. Attendees experienced traditional Indian dance forms, music, and artistic performances reflecting global cultural harmony. These moments not only highlighted the importance of cross-cultural connections in research but also reinforced the theme of sustainability, collaboration, and inclusivity.

The organizing committee and student volunteers played a pivotal role in ensuring the seamless execution of SCMIM 2025. As the conference concludes, we reflect on two days of insightful discussions and meaningful collaborations. Operational Research enriches SCMIM with tools for AI, blockchain, and sustainability. Many present and past ORSI Kolkata Chapter members contributed, highlighting shared interests in optimization and data-driven strategies. We look forward to continued collaboration at SCMIM 2026.



Inauguration of SCMIM 2025



Felicitation of the Chief Guest



External participants presenting research papers, conference lunch and networking



The Organizing Committee

Report of PRAGATI-2025 (Technical Fest)

The Annual Technical Fest, PRAGATI 2025, hosted by MCKV Institute of Engineering, organized from 4th February, 2025 to 6th February, 2025, attracting students, professionals, and enthusiasts from the engineering community across the nation. This fest serves as a platform to showcase innovations, exchange knowledge, and foster connections among future engineers and industry leaders.

The main objectives of this grand event are as follows:

- To encourage the exchange of innovative ideas and technical expertise among participants.
- To provide students with an opportunity to display their innovative models, projects and research.
- To foster networking between students, faculty, and industry professionals.

The fest featured a variety of competitions under the wings, viz. Innovation Wing, Coding and Engineering Design Wing, Quiz and Mathematical Aptitude Contest Wing, Gaming Wing and Robotics Wing, designed to challenge the participants' engineering skills and creativity. The innovative wings consist three events itself and Coding and Engineering Design Wing consisted of four events as shown in the table below.

Sl. No.	Event Wings	Events
1	Innovation Wing	Innovative Idea Contest
		Innovative Model Competition
		Technical Poster Presentation
2	Coding and Engineering Design Wing	Code Fiesta
		Design Contest with CATIA
		Circuit Design
		ML Mania

A total of 665 participants (Internal: 635, External: 30) from all engineering streams of MCKVIE and different technical and general UG and PG level institutes in and around West Bengal have registered in different events. The students from Supreme Knowledge Foundation Group of Institutions, Techno Main Saltlake, B. P. Poddar Institute of Management & Technology, Academy of Technology, RCC Institute of Information Technology, Prasanta Chandra Mahalanobis Mahavidyalaya (PCMM), Netaji Subhas Open University, Narula Institute of Technology, Dr Sudhir Chandra Sur Institute of Technology & Sports Complex, Heritage Institute of Technology, Sister Nivedita University, etc. have

participated in various events under different wings.

The inaugural session was graced by the presence of esteemed personalities including Prof. (Dr.) Dipankar Chattopadhyay, Professor, Department of Polymer Science & Technology, University of Calcutta as Chief Guest; and Mr. Sankar Nath Mukhopadhyay, Chartered Engineer, Energy Auditor, Chairman, IET Kolkata Local Network as Guest of Honour respectively. Mr. Sankar Nath Mukhopadhyay also acted as External Evaluator for judgment of Innovative Model Competition in Innovation Wing. Prof. (Dr.) Jyoti Sekhar Banerjee, Head of the Department, Dept. of CSE (AI & ML), Professor-in-Charge, R & D and Consultancy Cell, Nodal Officer, IPR Cell, Bengal Institute of Technology, Kolkata acted as External Evaluator for judgment of Innovative Idea Contest in Innovation Wing; and Prof. (Dr.) Santanu Ghorai, Professor, Department of AEIE, Heritage Institute of Technology acted as External Evaluator for judgment of Technical Poster Presentation in Innovation Wing.

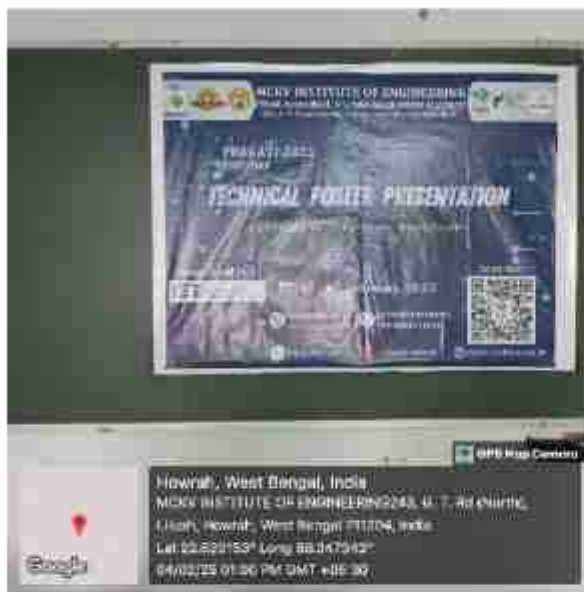
Dr. Tamal Roy, Head of the Department, Dept. of EE; Prof. (Dr.) S.S.Thakur, Professor, Dept. of CSE; Dr. Dipankar Ghosh, Head of the Department, Dept. of BSH; and Dr. Shampa Sengupta, Dept. of IT acted as internal evaluators in Innovative Idea Contest, Technical Poster Presentation, Innovative Model Competition, and ML Mania respectively.

The event ended up with a prize distribution ceremony on 06th February, 2025, where winners of different events were honored with the certificates. Prize money for the same has been transferred to their respective bank accounts. Meanwhile, all the participants across all the events are entitled to receive e-certificates.

In nutshell this events encourage the students for different innovative idea generation, prototype development, and converting in innovative model.



1. Inauguration of Technical Fest



2. Technical poster presentation



3. Innovative Idea Presentation



4. Innovative Model Presentation

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 21st February, 2025 at 1:00 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: 8

Students: 54

Event Photographs:





Social Media Links:

Facebook link:

<https://www.facebook.com/100076310046734/posts/pfbid0p42AHZBVijXo3C5ZLAJ7uKgwNkj8LrSZihbuxHSagNZbtJxjq8skA9ybm3Pp2mmv/>

Instagram link:

<https://www.instagram.com/p/DGTcgeNyPHA/?igsh=ZjFjMmRzNHBhbzk=>

Twitter Link:

<https://x.com/IICMCKVIE/status/1892634885589782537?t=TRZlv9IsJWYiqTrV8BluSA&s=08>

Event Report Submission

1. Academic Year: 2024-25
2. Program Driven by: Self-driven activity
3. Quarter-I: [September'24 to November'24]
4. Program/Activity Name: Design of Automobile Suspension System
5. Program type: Workshop
 - Level-1
 - i) Expert talk (One-day Workshop)
6. Other: Mention the details of Program type if you choose others at 5.
7. Program Theme: Innovation & Design Thinking
8. Duration of the activity (in mins): 2hrs 15 mins
9. Start Date (in days): 5th October 2024
10. End Date (in days): 5th October 2024
11. Number of Student Participants: 81
12. Number of Faculty Participants: 7
13. Number of External Participants, if any: NA
14. Expenditure amount, if any: NA
15. Remark: Program was conducted successfully
16. Mode of session delivery (online/offline): Online
17. Overview:
 - i) Objective:(100 letters)
Workshop on latest adaptive suspension tech sparks innovation, research, and cross-discipline collaboration
 - ii) Benefit in terms of learning/skill/knowledge obtained (150 letters):
Workshop on auto suspension systems offers hands-on experience in AI/energy tech, boosting students' skills and faculty knowledge, fostering teamwork and innovation.
18. Documents required:
 - i) Video URL:
 - ii) 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://www.facebook.com/100076310046734/posts/pfbid024FiRbUjBcLnNXaBb2tecXc5hRHaok6pfZTJyfwSufdVWEgc6TWvdDn2yrAceWGGyl/?sfnsn=mo>
 - ii) Twitter : <https://x.com/IICMCKVIE/status/1842426518925869446?t=ZoEKt-0OZrkYc9SkQDipKA&s=08>
 - iii) Instagram:
<https://www.instagram.com/p/DAusXuzSUSg/?igsh=MXy4ZjAxanZzdTdQMq==>
 - iv) LinkedIn :

Event Report [Level 1 Program]
One-day Expert Talk & Workshop in association with IIC Cell MCKVIE
on
“Design of Automobile Suspension System”
IIC 7.0 Calendar Activity [September’24 to November’24]
Date of Event: 5th October, 2024
by
Guest : Dr. Goutam Pohit, Department of Mechanical engineering
Ex-professor Jadavpur University
Organized by: Automobile Engineering Department

The one-day workshop on Design of Automobile Suspension system was conducted in online mode on 05.10.2024, Saturday. The workshop was of 2 hours and 15 mins duration, starting at 12:00 noon. The resource persons for the workshop was Dr. Goutam Pohit, Department Mechanical Engineering, Ex-professor Jadavpur University. The participants of the event were the students of B.Tech AUE & ME of MCKVIE and the faculty members from various departments.

The total number of student participants were 81 (Eighty one) and the total number of faculty participants were 7 (seven). 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 session consisted of discussion on explanation of traditional suspension system design to new innovative design and simulations. New innovations of suspension systems in the automotive world like Active Adaptive Suspension Systems (AASS) electromagnetic nature which has AI driven technology combined with energy harvesting systems All 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. Participants.

The program was conducted in compliance with the objectives of the workshop. This knowledge will boost the skill sets, making the students more competitive in the job market and prepared for research or entrepreneurial ventures. Faculty members will benefit by staying updated on current industry trends and emerging technologies, enriching their curriculum and research capabilities. The workshop encourages collaborative projects and cross-disciplinary innovation, fostering an environment that promotes teamwork and creative problem-solving. Furthermore, participants understood the concepts and practical implementation, and driving forward-thinking approaches in both education and industry-related research projects solutions.

Prof. Gordon Polk (Presenting)

So, while springs by themselves seem like simple devices, designing and implementing them on a car to balance passenger comfort with handling is a complex task.

And to make matters more complex, springs alone can't provide a perfectly smooth ride. Why? Because springs are great at absorbing energy, but not so good at dissipating it. Other structures, known as dampers, are required to do this.

People

Prof. Gordon Polk	100%
Dr. J. B. Smith	100%
Dr. C. D. Jones	100%
Dr. E. F. Brown	100%
Dr. G. H. Green	100%
Dr. I. J. White	100%
Dr. K. L. Black	100%
Dr. M. N. Grey	100%
Dr. O. P. Red	100%
Dr. Q. R. Blue	100%
Dr. S. T. Yellow	100%
Dr. U. V. Purple	100%
Dr. W. X. Silver	100%
Dr. Y. Z. Gold	100%

10:10 PM Wed Apr 10

Prof. Gordon Polk (Presenting)

Simulation and analysis

The body acceleration for model A decreases as compared to model B

People

Prof. Gordon Polk	100%
Dr. J. B. Smith	100%
Dr. C. D. Jones	100%
Dr. E. F. Brown	100%
Dr. G. H. Green	100%
Dr. I. J. White	100%
Dr. K. L. Black	100%
Dr. M. N. Grey	100%
Dr. O. P. Red	100%
Dr. Q. R. Blue	100%
Dr. S. T. Yellow	100%
Dr. U. V. Purple	100%
Dr. W. X. Silver	100%
Dr. Y. Z. Gold	100%

10:10 PM Wed Apr 10



MCKV Institute of Engineering

A report on field visit to the Pre incubation Unit, RISE FOUNDATION ,IISER,KOLKATA

Date: 9th & 10th April 2025

Organized for: Students of MCKVIE

Faculty co-ordinator: Mr. Sourav Ghorai

The field visit to **RISE Foundation**, hosted at **IISER Kolkata**, on the 9th and 10th of April 2025, was a highly enriching experience for the students of **MCKVIE**, aimed at bridging the gap between academic learning and real-world applications in the fields of **research, innovation, and entrepreneurship**.

During the visit, students had the opportunity to explore various **research initiatives** undertaken by IISER Kolkata in collaboration with the RISE Foundation. The faculty and researchers at the institute provided in-depth insights into their ongoing scientific projects, cutting-edge laboratory facilities, and interdisciplinary approach to problem-solving.

A major highlight of the visit was the detailed session on **innovation and start-up incubation**. The RISE Foundation's incubation center showcased multiple successful **start-up ventures** initiated by students, researchers, and young entrepreneurs. The MCKVIE students interacted with start-up founders who shared their journey from ideation to execution, emphasizing the role of research-based innovation in building scalable solutions.

Workshops and interactive discussions during the two-day visit emphasized critical thinking, problem identification, and the process of transforming research findings into practical innovations. Students were encouraged to think beyond traditional engineering roles and consider paths in **entrepreneurship and innovation-driven careers**.

The visit successfully ignited the spirit of **curiosity and creativity** among students, helping them understand the importance of **scientific research and technological innovation** in contributing to national development.

Conclusion:

The field visit to RISE Foundation, IISER Kolkata, was a valuable educational experience that inspired students to engage deeply with the ideas of research, innovation, and start-up culture. It opened up new avenues for them to explore and equipped them with the knowledge and motivation to pursue excellence in their future endeavors.



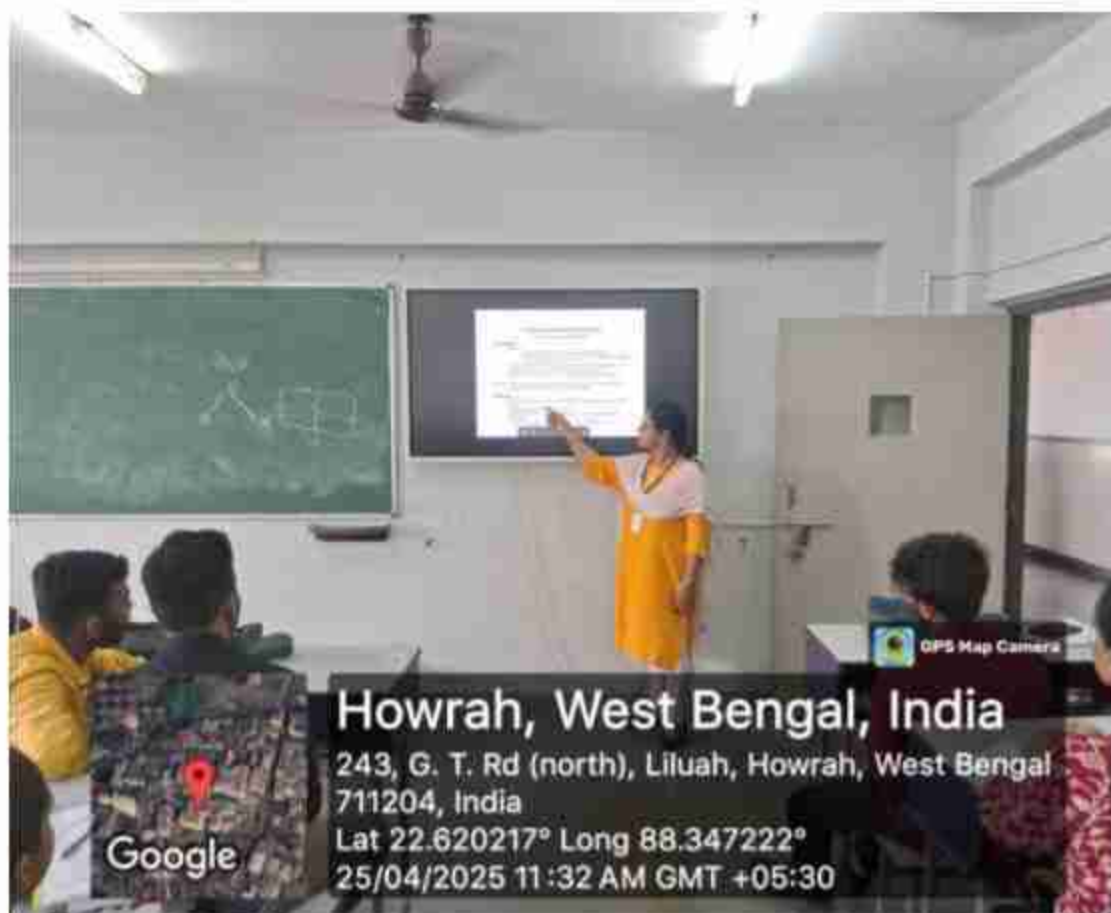
In order to provide students with the basic knowledge about how to plan a start-up and the steps to be taken towards achieving goals, Institution Innovation Cell of MCKVIE organized two days' workshop on the topic "Innovation/ prototype validation – converting innovation into a start-up or session on Achieving "Value Proposition Fit" & "Business Fit" on 24th and 25th June, 2025 from 10 AM to 5 PM. The speaker of the session was Dr. Debopama Kar Ray and 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 48 student members and 4 Faculty members of MCKVIE. The program is concluded with the vote of thanks by Dr. Tamal Roy, Associate professor, EE department.







Howrah, West Bengal, India

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

Lat 22.620217° Long 88.347222°
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Google

Report on Intra-Institutional Business Plan Competition

The Intra-Institutional Business Plan Competition, organized by the Institution's Innovation Council (IIC) in association with the Startup Club at MCKV Institute of Engineering, was held on April 11, 2025, at the SIT Hall. Open to all MCKV students, the event encouraged teams of 2 to 4 members to present a unique and well-structured business plan using a 10–12-slide presentation. Judging criteria included business model clarity, originality, financial feasibility, completeness, and presentation quality. A total of 14 teams, comprising 42 team members, participated in the competition. These teams were selected on a first-come-first-serve basis, with the top two teams receiving trophies and certificates of achievement, while all participants were awarded e-certificates.



On November 12, 2024, our team visited Eastern Rail workshop, Liluah. The insightful tour showcased advanced manufacturing processes, emphasizing sustainability and technological innovation. Engaging discussions with industry experts deepened our understanding. The visit proved instrumental in broadening our knowledge, providing valuable industry exposure, and fostering potential collaborations. Overall, it was a fruitful experience, aligning seamlessly with our quest for excellence in [relevant field/industry].

On February 26th & 27th 2025, our team visited at Future Automobile Agency pvt ltd NH 6, Chamrail ,Kona . The purpose of this visit was to gain insights into the company's **innovation-driven** approaches, its role as a **startup**, and its contributions to **incubation and research**.

The insightful tour showcased advanced manufacturing processes, emphasizing sustainability and technological innovation. Engaging discussions with industry experts deepened our understanding. The visit proved instrumental in broadening our knowledge, providing valuable industry exposure, and fostering potential collaborations. Overall, it was a fruitful experience, aligning seamlessly with our quest for excellence in industry.





Ula, West Bengal, India

J8r3+765, Rd, Nalpur, Ula, West Bengal 711310, India

Lat 22.640728° Long 88.303145°

27/02/2025 12:41 PM GMT +05:30

Event Report

Five Day On-Line Faculty Development Programme on “ Smart Computing Applications: Innovative Computational Approaches”

from 25th Nov- 29th Nov, 2024

The 5-day Online Faculty Development Program(FDP) on “Smart Computing Applications: Innovative Computational Approaches” was organized by the Department of Information Technology which was scheduled from 25th -29th November,2024. It is a 5-day program, and every day 2 sessions were conducted each of 2 hours duration. In total 5 speakers of renowned organizations have delivered their lectures. A total of 70 participants who attended the FDP were included in both external and internal registrations.

Day 1: Date: 25th Nov, 2024

Time: 10 a.m.

Name of the speaker: Dr. Nurzaman Ahmed, Engineering Research Scientist Donald Danforth Plant Science Center, USA

Topic: Integrating IOT and Edge computing for real time crop monitoring

Dr. Ahmed discussed different data collection methods and computing technologies to solve different real world problems of agricultural domain. He discussed WSN technique and different data capturing devices that are necessary to design an IOT based framework for data capturing and analysis. He discussed how we can integrate the IOT and edge computing technique for real time crop monitoring. He has also given some research directions where our participants can work.





Day 2: Date: 26th Nov, 24

Time: 10 a.m.

Name of the speaker: Dr. Ayan Mondal, Assistant Professor in the Department of Computer Science and Engineering at the Indian Institute of Technology (IIT) Indore

Topic: Edge Computing and its application

Dr. Ayan Mondal gave the lecture on IoT, Cloud Computing, Edge Computing and its application. The research area on this topic has been shared. IoT, Edge computing and 5G, Cloudlet computing, Edge AI etc are the important topics in this lecture.





Day4: 28th Nov, 2024

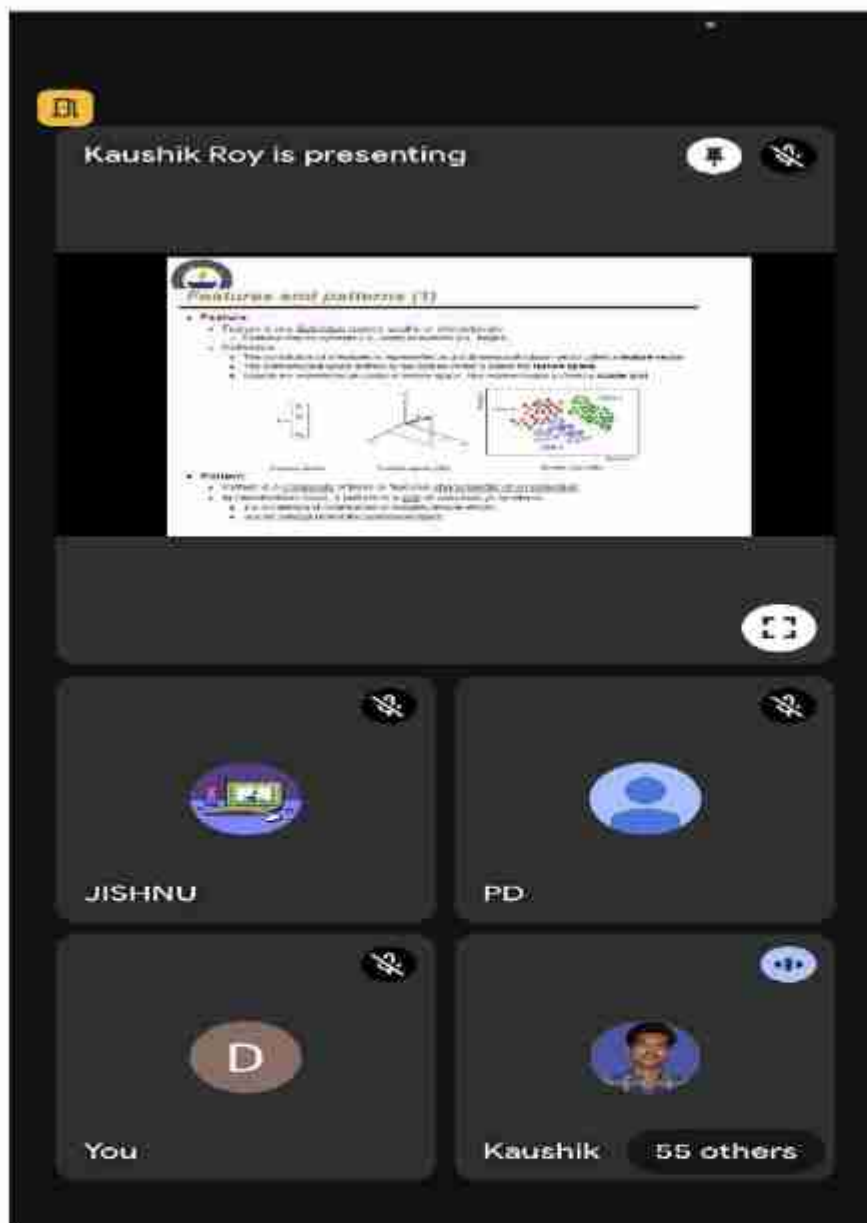
Time: 10 a.m.

Name of the speaker: Prof(Dr.) Kaushik Roy, Professor, West Bengal State University, Barasat

Topic: ML and DL approaches for developing smart computing application

Dr. Roy discussed different data pre-processing methods and deep learning techniques to solve different real world problems. He discussed specifically N technique for developing deep learning based models for document classification. He has also given some research directions where our participants can work.





Day5: 29th Nov, 2024

Time: 10 a.m.

Name of the speaker: Mr. Sujoy Palit, Engaged professionally as a Solution Architect in BSS&OSS domain with the leading Swedish MNC

Topic: Data to Cloud Computing

Mr. Sujoy Palit pointed out the capabilities of Large Language Model (LLM) where the structures are Generate Text, Understand Language and Learn and Adapt. He also discussed about different aspects of XAI (Explainable AI) and different machine learning/deep learning models that can perform a variety of natural language processing (NLP) and analysis tasks, including translating, classifying and generating text, answering questions in a conversational manner, and identifying data patterns. Mr. Palit also pointed out Reinforcement Learning and Computer Vision concepts, Sentiment Analysis, NLP Models as High Stake Smart Computing Applications.

The Session ended with Vote of Thanks by Mr. Sachin Balo, HOD of IT Department and Examination on Outcome of FDP held in the Second Half of that day



Event Report [Level 1 Program]
One-day Expert Talk & Workshop in association with IIC Cell MCKVIE
on
“A knowledge session on social media etiquettes and branding for students”
IIC 7.0 Calendar Activity [December’25 to February’25] Q2

Date of Event: 10th February, 2025

by

Guest : Mr. Kishore Nag,
Director, Techwala K3 Solutions pvt.ltd

The one-day expert talk on “**Social media etiquettes and branding for students**” was conducted in online mode on 10.02.2025, Monday. The workshop was of 3 hours and 05 mins duration, starting at 10:30 a.m. The resource persons for the workshop was Mr. Kishore Nag, Director, Techwala K3 Solutions pvt. ltd. The participants of the event were the students of B.Tech AUE & ME of MCKVIE and the faculty members from various departments.

The total number of student participants were 68 (Sixty Eight) and the total number of faculty participants were 7 (seven). 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 session covered key topics such as online behavior, personal and professional branding strategies, the impact of social media on career opportunities, and the do's and don'ts of posting content. Real-world examples and case studies were shared to highlight how social media can be both a powerful tool and a potential risk if not used responsibly. Students also learned how to build a strong LinkedIn profile, craft engaging posts, and manage their online reputation effectively.

Benefits

The session included interactive activities like live demonstrations of profile optimization, group discussions on content strategies, and role-playing exercises to practice handling online conflicts. A Q&A segment allowed students to clarify doubts and gain personalized advice. Handouts summarizing the session's key points, along with resource links for further learning, were provided. This session was highly beneficial as it equipped students with practical skills to enhance their digital footprint, boosting their confidence in using social media as a tool for networking, job hunting, and personal branding.





MCKV INSTITUTE OF ENGINEERING

An Autonomous Institute under UGC Act 1956

Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, W.B.

NAAC Accredited "A" Grade Institute

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

Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/



Report on programme/event conducted

1. Event

Academic Year: 2024-25

Name of the Programme/Event	"Tata power skill development institute Jojobera".		
Programme/Event type (choose and write only the appropriate one from the list)	Industrial visit		
Organised by (name of dept/ institution/club/cell):	Automobile Engineering Dept.	Venue	Tata Power Jojobera
Sponsored by (if any):	Self Paid	Amount of sponsorship (Rs.)	Self Paid
Date of Commencement: (in dd/mm/yyyy format)	06/06/2025	Date of Completion: (in dd/mm/yyyy format)	06/06/2025
Duration of event: (in days and mention hours for hands-on training program)	1 Day	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Subhojit Paul, AUE dept.	Mob No.	7980557743
Convenor of the program/ Event (Full Name with Dept.)	Dr. Ajit kumar Pandey, ME dept.	Mob No.	7677742044
Type of Participants:	Btech Students	No. of Participants :	Staff:2 Students:41

Brief Report on the Event

(within 250 words approx., in Tahoma font, font size 9, line spacing: Multiple, at 1.2)

The Automobile Engineering Department of MCKV Institute of Engineering successfully organized an offline industrial visit at "Tata Power Jojobera Plant" for B.tech in Automobile Engineering, Electrical Engineering & Mechanical Engineering students of MCKVIE on 06/06/2025. The main objective of the Tata Power Plant visit in Jamshedpur for B.Tech students is to provide them with practical exposure to industrial operations and power generation processes. It helps students understand the application of theoretical concepts they learn in classrooms, such as energy production, transmission, and distribution. The visit also aims to develop awareness about modern technologies, safety measures, and environmental practices used in the power sector. This experience enhances their technical knowledge, bridges the gap between academics and industry, and motivates them to explore future opportunities in the energy sector. The event was conducted at the offline platform, providing theoretical knowledge about boiler and working principal of steam power generation. A live interaction with the faculty members of Tata power skill development institute allowing students to gain knowledge about working of thermal power plant. The interactive session encouraged students to ask questions, discuss emerging career opportunities, and understand industry expectations.



MCKV INSTITUTE OF ENGINEERING

An Autonomous Institute under UGC Act 1956

Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, W.B.

NAAC Accredited "A" Grade Institute

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

Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in/



Enclose 2-3 nos photographs in JPG Format and paste the same in the box below:



Report on the Seminar: "Accelerators/Incubation – Opportunities for Students & Faculties – Early-Stage Entrepreneurs"

Organized by:

Startup Club MCKV Institute of Engineering

Date: 12th July 2025

Time: 12:00 PM onwards

1. Objective of the Session

The objective of this session was to provide valuable insights into the landscape of startup accelerators and incubation programs. It aimed to expose students, faculty members, and early-stage entrepreneurs to various support mechanisms available in India and globally for nurturing innovative ideas into viable businesses. The session also encouraged academic institutions to actively participate in creating entrepreneurial ecosystems.

2. Speaker Profile

Mr. Supriyo Mitra was invited as the esteemed speaker for this event. A seasoned professional with deep industry experience and involvement in various startup incubation initiatives, Mr. Mitra shared his knowledge on emerging trends, best practices, and government as well as private support systems available for budding entrepreneurs.

4. Outcomes and Benefits

Participants gained a comprehensive understanding of the startup lifecycle, from ideation to acceleration, and became aware of the roles of incubation centres and accelerator programs in supporting young innovators. The session enriched their knowledge of funding avenues, pitching techniques, and institutional collaborations, while also inspiring and guiding them to transform innovative ideas into viable startup ventures. Additionally, it fostered the development of an entrepreneurial mindset and provided valuable networking opportunities with like-minded individuals.

5. Feedback and Participation

The session witnessed active participation from students, faculty members, and innovation enthusiasts. The event proved to be highly interactive and inspiring, motivating many to consider entrepreneurial paths.

6. Conclusion

The session on "Accelerators/Incubation – Opportunities for Students & Faculties – Early-Stage Entrepreneurs" was a significant step toward fostering an entrepreneurial ecosystem within MCKV Institute of Engineering. It not only provided theoretical knowledge but also practical guidance, making it a valuable experience for all attendees. Such initiatives should be continued regularly to build a culture of innovation and self-reliance among students and educators alike.



SMART INDIA HACKATHON, 2024

1. **About the event:** Smart India Hackathon 2024 (SIH 2024) 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 2024 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 from 4th to 6th September, 2024 on the college campus. 65 groups comprised of 6 students each including the team leader and at least one female member have participated in the event. 44 groups were nominated for Smart India Hackathon, 2024.

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



3. **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.

5. **Jury panel relevant details:**

The jury panel was comprised of external judges only.

6. **Nominated top teams**

Nomination	Team No.	Team Name	Name of The Team Leader
1	8	Medmik	Avirup Ghosh
2	32	SURAKHSHA SAATHI	Harsh Mishra
3	7	Snippets	Sanchayita Ghosh
4	28	TEAM AKATSUKI	Somnath Paul
5	31	Marine Mavericks	Diya Sarkar
6	48	TRIAD	Ankur Banerjee
7	16	Horizon	Diptadeep Ghosh
8	38	Senescent	Debayan Ghosh
9	33	Infinity	Rajdip Ghorai
10	45	Agro Bytes	Ushasi Bag
11	46	Team Bots	Tuhin Kumar Singha Roy
12	49	Nerd Herd	Nishka Shrimali
13	1	B-MADS	Bhargab Banerjee
14	17	Dark Spirits	Sujal Kumar Gupta
15	3	Ayur Dehi	Meghna Bakuli
16	19	Unicorn	Rupankar Das
17	22	TECHTREK	Nishant Kumar Bhadani
18	25	Aqua Assassimators	Sweta Das
19	26	Codecatalyst	Subhas Mukherjee
20	27	Tech Titans	Srijani Tribedi
21	35	Cruel Knights	Oneeka Kundu

22	42	Ti - Team of inn Thinkers'	Subham Mondal
23	21	Devops	Arghyadeep Singha
24	29	CREATIVE CATALYST	Avinandan Chakraborty
25	51	Brainless Fellas	Ayush Kumar Choudhary
26	20	Knee-Pulse	Alisha Yasmin
27	37	Fearless Achievers	Amit Kumar Shaw
28	41	Vengram	Saikat Jana
29	50	Aiding Soldiers	Soumaditya Deb
30	61	Hacktivate	Swarnabha Ghosh
31	2	Cosmic Weavers	Sanchari Karati
32	11	The Matrix	Anohita Mukherjee
33	14	CTRL C-V	Nirotay Mukherjee
34	24	SIXER	Ankan Samanta
35	47	Electro Infinity	Samrat Hazra
36	57	Iraters	Devanshu Sharma
37	58	THE MAJESTIC RETREAT	Titli Purkait
38	59	THE ACHIEVERS	Ansh Gupta
39	63	Hackwave	Bishnu Bhakat
40	4	Team unity	Shubhankar Pal
41	18	Binary Soul	Ramesh Kumar Singh
42	23	SiteSmiths	Divya Rampuria
43	40	SYNTAX ERROR	Sunit Das
44	56	Hackathon.com	Soumyajit Sarkar

7. Judges details

1)Dr. Partha Ghosh,Assistant Professor,Department of IT,Netaji Subhash Engineering College, Kolkata, West Bengal, India, parthal812@gmail.com,partha_ghosh@nsec.ac.in, 70030 56220

2)Dr. Princy Randhawa ,Assistant Professor (Senior Scale),Department of Mechatronics Engineering ,Manipal University Jaipur ,princy.randhawa@jaipur.manipal.edu , 95210 99223

3)Dr. Rajdeep Chakraborty,Associate Professor ,,Department of CSE ,Medi-Caps University, Indore, Madhya Pradesh, India , rajdeep_chak@gmail.com, rajdeep.chakraborty@medicaps.ac.in, 98368 25426

4)Prof. Silky Sharma, School of Commerce & Management Studies, Dayananda Sagar University, Bengaluru, India silky_sharma@dsu.edu.in, 9958023366

5)Dr Sachi Nandan Mohanty ,Professor , school of Computer Science and Engineering, VI T -AP university sachinandan09@gmail.com, 9437322121

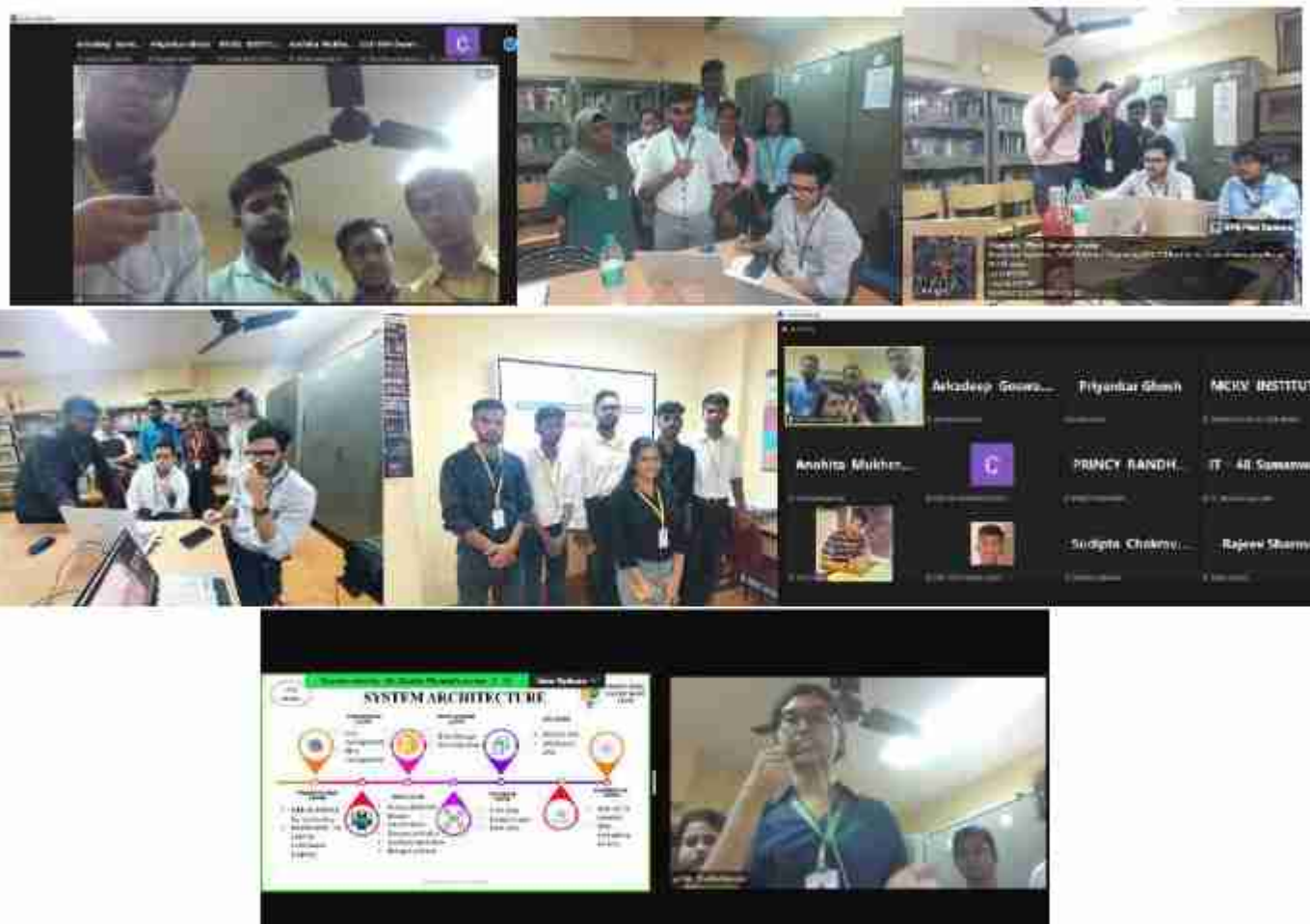
6)Dr Archana Singh,Professor,D Y Patil University, Pune. drarchana.singh@dpu.edu.in, 7219851303

7)Prof. Aparajita Sanyal, Calcutta Business School, sanyal.aparajita@gmail.com, 9830519050

8)Dr. Sanjoy kumar Debnath,Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India , sanjoy.kumar@chitkara.edu.in or sanjoyyy@yahoo.com, 7009504312

9)Prof. Swapnil Gorde, Professor of Practice , MIT ADT Univeristy, Pune.
swapnil.gorde@mituniversity.edu.in, 8100771166

8. Total teams and students participated and photos



Team Id	Team Name	Team Leader	Problem Statement / Idea	Theme	Category	PS Number
1	B-MADS	Bhargab Banerjee	Developing solutions , keeping in mind the needs to enhance the primary sectors of India -Agriculture and to manage and process our agriculture produce.[STUDENT INNOVATION]	Agriculture , FoodTech & Rural Development	Hardware	SIH1536
2	Coasmic Weavers	Sanchari Karati	SAR Image Colorization for Comprehensive Insight using Deep Learning Model (h)	Space Technology	Software	SIH1733
3	Ayur Dehi	Meghna Bakuli	Create a Virtual Herbal Garden that provides an interactive, educational, and immersive experience to users, showcasing the diverse range of medicinal plants used in AYUSH (Ayurveda, Yoga & Naturopathy, Unani,	MedTech / BioTech / HealthTech	Software	SIH1555

			Siddha, and Homeopathy).			
4	Team unity	Shubhankar Pal	Development of a mobile application to provide recreational suitability information of beach locations across India	Travel & Tourism	Software	SIH1656
5	Udbhaban	Baiduryya Garai	Indian Sing Language to Text/Speech translation	Miscellaneous	Software	SIH1716
6	ECO FRIENDS	Sukanya Saha	Development of an educational game (web-based and mobile-based) on groundwater conservation and management	Smart Education	Software	SIH1698
7	Snippets	Sanchayita Ghosh	Mobile App for Direct Market Access for Farmers	Agriculture, FoodTech & Rural Development	Software	SIH1637
8	Medmik	Avirup Ghosh	Student Innovation	MedTech / BioTech / HealthTech	Hardware	SIH1537
9	AgroVision	Sandipa Chakraborty	AI-Driven Crop Disease Prediction and Management System	Agriculture, FoodTech and Rural Development	Software	SIH1638
10	Phoenix	Shouvanik Santra	STUDENT INNOVATION	ROBOTICS AND DRONES	Hardware	SIH1533
11	The Matrix	Anohita Mukherjee	Women Safety Analytics – Protecting Women from safety threats	Miscellaneous	Software	SIH1605
12	Technocrats	Priyam Pal	Conversational Image Recognition Chatbot	Smart Automation	Software	SIH1604
13	STS (Switch To Smart)	Shubhrajit Sarkar	Disaster Management includes ideas related to risk mitigation and Planning before, after or Duration of Disaster.	Disaster Management	Software	SIH1587
14	CTRL C+V	Nirotyay Mukherjee	Online Chatbot based ticketing system	Travel & Tourism	Software	SIH1648
15	EduElevate	Arpan Chakrabarty	Farmers Disease Diagnostic/Reporting Portal - Mobile Portal AI Base	Agriculture, FoodTech & Rural Development	Software	SIH1673
16	Horizon	Diptadeep Ghosh	Enhancing Navigation for Railway Station Facilities and Locations	Transportation & Logistics	Software	SIH1710
17	Dark Spirits	Sujal Kumar Gupta	Development of a Geolocation-Based Attendance Tracking Mobile Application.	Miscellaneous	Software	SIH1707
18	Binary Soul	Ramesh Kumar Singh	Let's Learn Constitution in a Simpler Manner- Citizen Perspective	Smart Education	Software	SIH1703
19	Unicorn	Rupankar Das	Development of a non-electrical device for tracking the movement of the sun for movement of the solar panels, increasing their efficiency.	Renewable / Sustainable Energy	Hardware	SIH1545
20	Knee-Pulse	Alisha Yasmin	Health Data Information & Management System	MedTech / BioTech / HealthTech	Software	SIH1626

			Mobile Application (HDIMS)			
21	DevOps	Arghyadeep Singha	AI-Driven Crop Disease Prediction and Management System	Agriculture, Food tech & Rural Development	Software	SIH1638
22	TECHTREK	Nishant Kumar Bhadani	Online Chatbot based ticketing system	Travel & Tourism	Software	SIH1648
23	SiteSmiths	Divya Rampuria	Create a Virtual Herbal Garden that provides an interactive, educational, and immersive experience to users, showcasing the diverse range of medicinal plants used in AYUSH (Ayurveda, Yoga & Naturopathy, Unani, Siddha, and Homeopathy).	MedTech / BioTech / HealthTech	Software	SIH1555
24	SIXER	Ankan Samanta	AI-Driven Crop Disease Prediction and Management System	Agriculture, FoodTech & Rural Development	Software	SIH1638
25	Aqua Assassins	Sweta Das	Drone based Intelligent ET sensing system and irrigation water use accounting system for irrigation commands.	Robotics and Drones	Hardware	SIH1571
26	CodeCatalyst	Subhas Mukherjee	Personalized testing kits for testing Residual Chlorine level at delivery points	Smart Automation	Hardware	SIH1569
27	Tech Titans	Srijani Tribedi	Downscaling of satellite based air quality map using AI/ML	Clean and green technology	Software	SIH1734
28	TEAM AKATSUKI	Somnath Paul	Automated Bus Scheduling and Route Management System for Delhi Transport Corporation	Smart Vehicles	Software	SIH1612
29	CREATIVE CATALYST	Avinandan Chakraborty	Women Safety Analytics – Protecting Women from safety threats	Miscellaneous	Software	SIH1605
30	Stack_Surge	Diptak Sarkar	Mobile App for Direct Market Access for Farmers	Agriculture, FoodTech & Rural Development	Software	SIH1637
31	Marine Mavericks	Diya Sarkar	Research and develop a design on "autonomous water surface cleaning robot".	Clean and Green Technology	Software	SIH1603
32	SURAKHSHA SAATHI	Harsh Mishra	Student Innovation	Smart Automation	Hardware	SIH1540
33	Infinity	Rajdip Ghorai	Development of a non-electrical device for tracking the movement of the sun for movement of the solar panels, increasing their efficiency.	Renewable / Sustainable Energy	Hardware	SIH1545
34	SECURE HIVE	Ushasi Bag	Women Safety Analytics – Protecting Women from safety threats	Miscellaneous	Software	SIH1605

35	Cruel Knights	Oneeka Kundu	Mobile App for Direct Market Access for Farmers	Agriculture foodtech and rural development	Software	SIH1637
36	Edu.ITians	Abhiroop Mukherjee	Develop Software Solutions to Enhance Educational Infrastructure and Connectivity in Rural Areas	Miscellaneous	Software	SIH1664
37	Fearless Achievers	Amit Kumar Shaw	Health Data Information and Management System Mobile Application (HDIMIS)	MedTech/BioTech/HealthTech	Software	SIH1626
38	Senescent	Debayan Ghosh	Online Chatbot based ticketing system	Travel & Tourism	Software	SIH1648
39	Energons	Upayan Chakraborty	A smart AI based solution for traffic management on routes with heavy traffic from different directions, with real-time monitoring and adaptation of traffic light timings	Smart Automation	Software	SIH1607
40	SYNTAX ERROR	Sunit Das	Assured Contract Farming System for Stable Market Access	Agriculture, FoodTech & Rural Development	Software	SIH1640
41	Vengram	Saikat Jana	Student Innovation	Miscellaneous	Software	SIH1588
42	Ti - Team of inn Thinkers'	Subham Mondal	Mentor Connect	Smart Education	Software	SIH1630
43	Aikyam	Sushmita Kumari Mahato	Student Innovation	Smart Education	Software	SIH1586
44	ByteBenders	Jay Deb	Student Innovation	Clean & Green Technology	Software	SIH1592
45	Agro Bytes	Ushasi Bag	Smart Irrigation System for Precision Farming	Agriculture, FoodTech & Rural Development	Hardware	SIH1554
46	Team Bots	Tuhin Kumar Singha Roy	Mobile App for Direct Market Access for Farmers	Agriculture, FoodTech & Rural Development	Software	SIH1637
47	Electro Infinity	Samrat Hazra	Student Innovation	Renewable / Sustainable Energy	Hardware	SIH1530
48	TRIAD	Ankur Banerjee	Women Safety Analytics – Protecting Women from safety threats	Miscellaneous	Software	SIH1605
49	Nerd Herd	Nishka Shrimali	AI based Customized time slot Delivery of Articles/Parcels " To align with the needs of the modern lifestyles of customers and their expected time of availability at the home or office address where an item needs to be delivered, the time slot can be decided in consultation with the customer based on an AI Driven correspondence system as per demand/request of the Sender or Receiver"	Transportation & Logistics	Software	SIH1761

50	Aiding Soldiers	Soumaditya Deb	Microphone array-based direction of arrival for gunshot detection	Miscellaneous	Software	SIH1651
51	Brainless Fellas	Ayush Kumar Choudhary	A modern approach in the sewage maintenance using IoT sensors and Transducers	Clean & Green Technology	Hardware	SIH1532
52	Team Optimizers	Supriyo Ghosh	Student Innovation	MedTech / BioTech / HealthTech	Software	SIH1597
53	Paryas	Rahul Kumar Shaw	The technological solutions for capturing AQI values through mobile and other forms of stations	Clean & Green Technology	Software	SIH1616
54	Innovators	Rahul Kumar	Online Chatbot based ticketing system	Travel & Tourism	Software	SIH1648
55	Hackademics	Biswarup Saha	Creating intelligent devices to improve the commutation sector	Smart Vehicles	Software	SIH1595
56	Hackathon.com	Soumyajit Sarkar	Innovating for Sustainability: Driving Smart Resource Conservation (Energy & Water) in Home Appliances (Refrigerators, Air Conditioners, Washing Machines and Desert Air Coolers)	Smart Resource Conservation	Software	SIH1524
57	IRATERs	Devanshu Sharma	Women Safety Analytics – Protecting Women from safety threats	Miscellaneous	Software	SIH1605
58	THE MAJESTIC RETREAT	Titli Purkait	STUDENT INNOVATION	TRAVEL & TOURISM	Software	SIH1591
59	THE ACHIEVERS	Ansh Gupta	Development of a non-electrical device for tracking the movement of the sun for movement of the solar panels, increasing their efficiency.	Renewable / Sustainable Energy	Hardware	SIH1545
60	Tech Travellers	Ismail Sk	Development of a mobile application to provide recreational suitability information of beach locations across India.	Travel & Tourism	Software	SIH1656
61	Hacktivate	Swarnabha Ghosh	Queuing models in OPDs/ availability of beds/ admission of patients. A hospital based solution is ideal which can be integrated with city wide module	MedTech / BioTech / HealthTech	Software	SIH1620
62	Next Tech	Sayan Bhattacharjee	Online Chatbot based ticketing system	Travel and Tourism	Software	SIH1648
63	Hackwave	Bishnu Bhakat	Mobile App for Direct Market Access for Farmers	Ministry of Agriculture and Farmers Welfare	Software	SIH1637
64	THE ARCHONS	Sulabh Kumar Shaw	Online Chatbot based ticketing system	Travel & Tourism	Software	SIH1648
65	Tiny Coders	Archana Rai	Mental health and Academic Pressure	Fitness & Sports	Software	SIH1599

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

INSTAGRAM: https://www.instagram.com/p/C_74h3ey4tK/?igsh=MXY0bHcxM2RrM2I0OA==

FACEBOOK:

<https://www.facebook.com/100076310046734/posts/pfbid027sH5sxaK7raav9X9LMpm7LC7x31vDuqHjZXn/k14WpTA6fLrY5mFnLp4DAuvHicTl/?fsrc=mc>

10. Use of hashtags such as #sih2024 #smartindiahackathon2024 is must / 11. Tag official page of innovation cell, ministry of education on twitter.

https://x.com/IICMCKVIE/status/1835273888781005100?t=8fKsaM6LLuIryN7_Qb-nzg&s=08



Arkadeep Goswami

SPOC, SIH 2024
Asst. Professor, CSE
MCKVIE

Event Report

Workshop on "Entrepreneurship and Innovation" as Career Opportunity

1st Quarter IIC-NISP Calendar Activity [Sep'24 to Nov'24]

Date of Event: 05.11.2024

by

Ms. Anwesa Das, Department of Information Technology

The one-day workshop on "Entrepreneurship and Innovation as Career Opportunity" was conducted in Room No. B312 of MCKV Institute of Engineering (MCKVIE), Liluah on 05.11.2024, Tuesday.

The resource persons for the workshop was Mr. Tuhin Kumar Saha, Founder and CEO of Success Scholar. He started his entrepreneurial journey late 2017. He is currently the Founder & CEO of Success Scholar, which is a Training & Placement organization based out of Kolkata and its operations spread out across the northern and southern parts of India. He motivated the students regarding entrepreneurship with innovative skill as a career opportunity.

The participants of the event were the students of B.Tech programs of MCKVIE and the faculty members from various departments. The total number of student participants was 93 and the total number of faculty participants was 17. 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 and Date	Topic	Resource person
11:45pm onwards 05/11/2024	Entrepreneurship and Innovation as Career Opportunity	Mr. Tuhin Kumar Saha, Founder and CEO of Success Scholar.



 **GPS Map Camera**

Howrah, West Bengal, India
Laxmi Niketan, 243, G.t. Road (n), Liluah,
Howrah, West Bengal 711204, India
Lat 22.620148° Long 88.347307°
05/11/24 12:20 PM GMT +05:30

Google



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-“ How to plan for startup and legal & Ethical steps” on 24th April, 2025, from 10 AM to 3 PM. The speaker of the session was Mr. Sudeep Samanta, 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 42 student members and 3 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 Patent filling and IPR, Institution Innovation Cell of MCKVIE organized a seminar on the topic-"Intellectual Property Rights and IP management for startup" on 25th May 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.



Overall activity report of IIC driven activity by IIC, MCKVIE on:

“Innovation & Entrepreneurship Outreach Programme” at School

Date: 21/02/2025

Institution's Innovation Council (IIC) of MCKVIE organized an outreach session “Innovation & Entrepreneurship” on 21st February (Friday), 2025. This is an offline event and total 46 students of Jagadispur High School, 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 IIC-MCKVIE organized this outreach programme. Dr. Banerjee and Mr. Ghosal acted as joint speakers in this event.

Dr. Banerjee discussed about different aspects of idea generation to identification of right problem and problem-solving approach. He has discussed about different techniques to convert ideation to innovation. He discussed about different topics like importance of new idea generation and different emerging areas of innovations like Artificial Intelligence, IoTs etc. He focused about the importance of identification of right problem and taking right approach for innovation.

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

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



Overall report of the activity: Innovation & Entrepreneurship Outreach Programme

Date: 27/08/2025

Institution's Innovation Council (IIC) of MCKVIE organized an outreach session "Innovation & Entrepreneurship" on 27th August (Wednesday), 2025. This is an offline event and a total of 54 number of students of Raghunathpur Nafar Academy (HS), Howrah attended this event.

Dr. Arindam Ghosh, Associate Professor of MS Department & member of IIC-MCKVIE and Mr. Ajoy Ghosal, Laboratory Instructor of ECE Department & member of IIC-MCKVIE conducted this outreach programme as joint speakers.

Dr. Ghosh 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 recent trends of start up. 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 Business management plan and idea generation. He focused on the importance of identification of problems and taking the right approach to innovation and converting them into start up.

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 a nutshell, through this session, students were exposed and were encouraged to generate and execute their own ideas.

Event:- Session on Prototype /process Design and Development

About the session: The Institution Innovation Council (IIC), MCKV Institute of Engineering organized a session on "Prototype/Process Design and Development Workshop" on 24th March, 25 and 28th March, 25 at 10:00 AM. The session was conducted by Mr. Sumit Majumdar, Assistant Professor in the Department of Computer Science and Engineering, MCKVIE. He provided valuable insights into the knowledge and skills required to successfully design, prototype, and refine products, systems, and services across various domains.

Objectives of the session:

The objective of the session on Prototyping, Process Design, and Development is to provide participants with a thorough understanding of the key concepts, methodologies, and best practices involved in creating prototypes and designing efficient processes. The session is designed to equip attendees with the essential knowledge and practical skills needed to successfully design, prototype, and refine products, systems, or services across a range of 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:

Facebook link:

<https://www.facebook.com/100076310046734/posts/pfbid0DyYwx91vJrLaLGH5wp5CUwRpF8N2SnCLvmcUs9ujVc5y1zWXj1L4W8vzeChiyWAsl/>

Instagram link:

https://www.instagram.com/p/DHaX0vKSq_1/?igsh=MTZwZzRsYTcyaDB2cA==

IIC of MCKVIE link:

<https://x.com/IICMCKVIE/status/1902617590452940833?t=Hq6CM5Xldxwr3d2-uaeUCw&s=08>





Add on course 2025

Event Report

1. Event Name Type: Seminar
2. Event Title: 1 day seminar on Future Drive: Innovating Mobility Solutions
3. Event Date: 24th July, 2025
4. Event Venue: MCKV Institute of Engineering
5. Event Co-ordinated by: Dr. Tamal Roy, Dr. Debopoma Kar Ray, Mr. Sudeep Samanta, EE department, MCKVIE
6. No. of Attendees: 100
7. No of student attendees – Members: 100
8. Total Budget: Rs. 2,500/-
9. Short description about the event and its objectives (150 words):

Future Drive is revolutionizing how we move by pioneering intelligent, sustainable mobility solutions. With a focus on electric and autonomous vehicles, the company integrates cutting-edge AI, smart infrastructure, and clean energy to create seamless transportation ecosystems. Future Drive aims to reduce urban congestion, lower emissions, and enhance accessibility through shared mobility platforms and connected vehicle networks. By embracing innovation and user-centric design, it envisions a future where mobility is efficient, inclusive, and environmentally responsible. Future Drive is not just redefining transportation—it's driving the world toward a smarter, greener tomorrow. Mobility, reimagined for the future. In this seminar student has been trained about the basic requirement of industry wherein innovations related to innovative mobility solutions are involved.

10. Event Photographs



Add on course 2025

Event Report





MCKV INSTITUTE OF ENGINEERING

An Autonomous Institute under UGC Act 1956

Approved by AICTE & affiliated to Maulana Abul Kalam Azad University of Technology, W.B.

NAAC Accredited "A" Grade Institute

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

Ph: +91 33 26549315/17 email: info@mckvie.edu.in Web: www.mckvie.edu.in



Report on programme/event conducted

Academic Year: 2024-25

Name of the Programme/Event	Sparkade 2K25		
Programme/Event type (choose and write only the appropriate one from the list)	Innovative design thinking Competition		
Organised by (name of dept/ institution/club/cell):	EE	Venue	B312, B 410
Sponsored by (if any):	-	Amount of sponsorship (Rs.)	-
Date of Commencement: (in dd/mm/yyyy format)	27 th March, 2024	Date of Completion: (in dd/mm/yyyy format)	27 th March, 2024
Duration of event: (in days and mention hours for hands-on training program)	9 hrs	Mode of programme (online/offline):	Offline
Coordinator/Chairman of the program/Event (Full Name with Dept.)	Mr. Sudeep Samanta, Dr. Debopama Kar Ray, Mr. Soham Das, Mr. Aritra Chattopadhyay, MCKVIE		Mob No. 8910325697
Convenor of the program/Event (Full Name with Dept.)	Mr. Ardhendu Maity, Mr. Samrat Hazra		
Type of Participants:	Any B. Tech students from MCKVIE	No. of Participants :	Staff: - Students: 300

Brief Report on the Event
(within 250 words approx., in Tahoma font, font size 9, line spacing: Multiple, at 1.2)

A stimulating Innovative Model Design and Quiz Competition, named SPARKADE 2K25 was organized on [Date] at [Venue], aimed at fostering creativity, problem-solving skills, and technical knowledge among participants. The event witnessed enthusiastic participation from students eager to showcase their innovative ideas and test their conceptual understanding. The Innovative Model Design segment encouraged participants to develop unique and practical solutions to real-world challenges. Teams presented working models and prototypes, demonstrating their technical expertise and ingenuity. The models were evaluated based on creativity, feasibility, and presentation skills. The Quiz Competition tested participants' knowledge across various domains, including science, technology, and innovation. The quiz was conducted in multiple rounds, covering conceptual questions, problem-solving scenarios, and rapid-fire segments. It created an engaging and competitive atmosphere, motivating students to think critically and apply their knowledge effectively.

The event provided a valuable learning experience, enhancing participants' technical skills, critical thinking, and teamwork. The event also promoted collaborative learning, as students exchanged ideas and received insights from mentors and peers. The program concluded with an award ceremony where winners were recognized for their outstanding performances. The event successfully met its objectives, inspiring students to explore innovation and continuous learning. Overall, the competition was a resounding success, leaving participants motivated and better equipped with essential problem-solving and analytical skills.



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Enclose 2-3 nos photographs in JPG Format and paste the same in the box below:



Date of submission: 01/04/2025

World Environment Day

World Environment Day 2025 focused on the theme "Beat Plastic Pollution", emphasizing the urgent need to combat plastic waste and its harmful effects on ecosystems and human health. This global observance served as a call to action, encouraging individuals, governments, and businesses to adopt sustainable alternatives and reduce their plastic footprint. To mark the occasion, MCKV Institute of Engineering organized a webinar on 5th June 2025, featuring Dr. Soumyajit Ghorai as the keynote speaker. The session was attended by approximately 58 students and 4 staff members. Dr. Ghorai delivered an insightful talk on the pervasive use of plastic in our daily lives, shedding light on its long-term consequences for the environment. He emphasized the importance of adopting eco-friendly habits and shifting towards sustainable consumption patterns. The webinar was highly informative and impactful, leaving attendees motivated to make meaningful changes in their personal and community practices. The event was successfully concluded, contributing to the global movement against plastic pollution.

Webinar

World Environment Day

Date: 5th June

Time: 8:30 pm Onwards

Platform: Google Meet

Teacher Coordinator:
Dr. Sasmita Subhadarsinee Choudhury

Student Coordinator:
Swastik Ghosh
Dipti Bhowmik

Dr. Soumyajit Ghorai
Assistant Professor
Basic Science and Humanities

Logos: RISERS, MCKV, INSTITUTIONS INNOVATION COUNCIL, IISc

Footer: Facebook: Risers Club of MCKV Institute of Engineering, Instagram: rc_mckvie, X: RC_MCKVIE, YouTube: Risers Club of MCKVIE



FACEBOOK:

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INSTAGRAM:

https://www.instagram.com/p/DKjJHZZSPm0/?utm_source=ig_web_copy_link&igsh=MzRlODBiNWFlZA==

NATIONAL TECHNOLOGY DAY

On 11th May 2025, The Risers Club of MCKV Institute of Engineering proudly hosted a remarkable webinar on Emerging Technologies and Innovation to commemorate National Technology Day. The event was a resounding success, over 40+ participants bringing together enthusiastic students, aspiring technologists, and faculty members to celebrate the power of science and innovation.

This webinar not only celebrated technological achievements but also inspired students to dream bigger, innovate boldly, and contribute meaningfully to the future of technology.





FACEBOOK:

<https://www.facebook.com/share/p/1C5hzaK3SQ/>

INSTAGRAM:

<https://www.instagram.com/p/DJeenrfywJt/?igsh=MXJxZG40dHAxaGdtdA==>

INSTITUTION'S INNOVATION COUNCIL (IIC)

MCKV Institute of Engineering, Liluah

Reporting the Event of IIC

Academic Year	2024-2025
Program driven by	MIC Driven Activity
Quarter	Four
Activity Name	Podcast Series on "Rashtra Pratham" and "Celebrating Failures"
Programme Type	Expert talk
Programme Theme	Entrepreneurship & Startup
Program Stats Date	04.07.2025 & 11.07.2025
Program Ending Date	04.07.2025 & 11.07.2025
Number of Students Participants	42
Number of Faculty Participants	61
Number of Expert Participants	NIL
Expenditure, If Any	NIL
Mode of Delivery	Blended
Objectives	Inspire youth and startups on leadership, innovation, resilience, and smart financial choices
Benefits in terms of learning/skill/knowledge development	Enhances leadership, problem-solving, financial literacy, resilience, innovation, and strategic thinking for personal and professional growth
Program Coordinator	Dr. Abhijit Pramanik & Mr. Sourav Ghorai SPOC, MIC Driven Activity, IIC MCKVIE, Liluah
Promotional link in social media:	i) Facebook: https://www.facebook.com/share/p/17ADXfwmDo/ ii) LinkedIn: https://www.linkedin.com/posts/moe-innovation-cell-introducing-rashtra-pratham-voices-that-activity-7346440637849718784-Ans3/?utm_source=share&utm_medium=member_desktop&rcm=ACoAAFD9uwBLkdS7bpHzwsW7U3bYdzsdQwyE4



Overall Report of the Activity

Date & Time: 04.07.2025 & 11.07.2025, 11:30 AM onwards

Speaker: (a) Ashish Chauhan – MD & CEO of NSE, expert in financial markets, leadership, and innovation.
(b) Mayank Vidavatka – Co-founder of Koo, startup mentor, and expert in user-focused growth and resilience.

Topic: Podcast Series on “Rashtra Pratham” and “Celebrating Failures”

Key Learning:

- Build solutions that serve real, underserved user needs with empathy and insight.
- Balance rapid growth with early monetization and long-term sustainability.
- Communicate clearly to align stakeholders and build trust in your mission.
- Embrace failure, learn continuously, and adapt with resilience and emotional strength.
- Use technology to democratize opportunities and create value beyond capital.

Two insightful events were conducted featuring **Ashish Chauhan**, MD & CEO of India's National Stock Exchange (NSE), and **Mayank Vidavatka**, co-founder of *Koo*. Both sessions provided valuable lessons on leadership, innovation, financial prudence, and resilience, offering guidance to youth and startups.

In the first event, **Ashish Chauhan** shared his inspiring journey from a Gujarati-medium school to leading one of the world's most advanced stock exchanges. He explained how determination, adaptability, and a focus on solving real problems helped him overcome academic and cultural challenges. He highlighted how NSE's automation transformed India's capital markets and emphasized the role of trust and transparency in financial systems. Chauhan also advised young investors to practice financial literacy, avoid impulsive decisions driven by social media trends, and focus on long-term, value-driven investing. His reflections on failure and resilience showed how setbacks can be used as opportunities to learn and grow.

In the second event, **Mayank Vidavatka** discussed his experience building *Koo*, a vernacular microblogging platform that enabled non-English speakers to create and discover content in regional languages. The platform quickly gained millions of users and global recognition but ultimately shut down due to global funding shortages and market uncertainties. Mayank candidly spoke about the emotional challenges of entrepreneurship, the importance of understanding user behavior, early monetization, and clear communication. He shared how external factors beyond a founder's control can impact business viability and how resilience and emotional intelligence are crucial in such times. Post-*Koo*, he launched *Billion Hearts*, a new venture aimed at connecting users through innovative technology, and authored *500 Tips for Startup Folks* to support aspiring entrepreneurs.

Both events emphasized that success is not guaranteed but can be pursued through persistence, empathy, learning from failures, and leveraging technology to create value. These sessions empowered attendees with practical tools and mindsets essential for navigating uncertain environments, building sustainable businesses, and contributing meaningfully to society.



Banner of the Event

Rashtra Pratham
Voices that Shape the Nation

4th July 2025
Friday, 11:30 AM

LIVE STREAMING
/MoEInnovationCell

Ashish Chauhan
MD & COO
National Stock Exchange of India (NSE)

Dr. Abhay Jore
Vice Chairman NCTE & Chief Innovation Officer (CIO)
Ministry of Education, Govt. of India

**MIC DRIVEN ACTIVITY:
DEBUT EPISODE OF
"CELEBRATING FAILURES"**

Mr. Mayank Bidawatka
CO-FOUNDER OF KOD

11th JULY, 2025
11:30AM
@ MCKV

Dr. Abhijit Pramanik (9534080407)
Mr. Sourav Ghosal (8900022915)

One



Comments

- @nirvikbanerjee6357 • 5 min ago
Nirvik Banerjee, Assistant Professor, MCKV Institute of Engineering
- @SpumyasanghamitraKar • 2 min ago
Rashtra pratRashtra Pratham' by Dr. Abhay Jere is an inspiring platform that highlights the real voices behind India's growth. The insights shared today truly moti... Read more
- @NileshKumar120m • 21 min ago
A good initiative by the Ministry, definitely it will add on to the leadership, innovation and resilience. The experience shared are quite wonderful and will ignite the young ... Read more
- @Rishidasmukh1995 • 32 min ago (edited)
- Add a comment...

11:39

85



Comments

Top

Newest

- @DebabrataBhattacharjee-b3c • 5 min ago
Good Morning, Sirs, Looking forward to an enriching experience, Regards, Prof. (Dr.) Debabrata Bhattacharjee, Techno India University, West Bengal
- @puspenlahiri6402 • 14 sec ago
Puspen Lahiri, Assistant Professor, CSE, MCKV Institute of Engineering, Liluah, Howrah, WB
- @ViceChancellor14g • 5 min ago
Thanks, Eternal University, HP



Add a comment...

The session on *Angel and Venture Capital (VC) Investment* was successfully conducted with active participation from students, faculty, and professionals. The event aimed to provide an in-depth understanding of startup funding, investor perspectives, and the dynamics of early-stage financing.

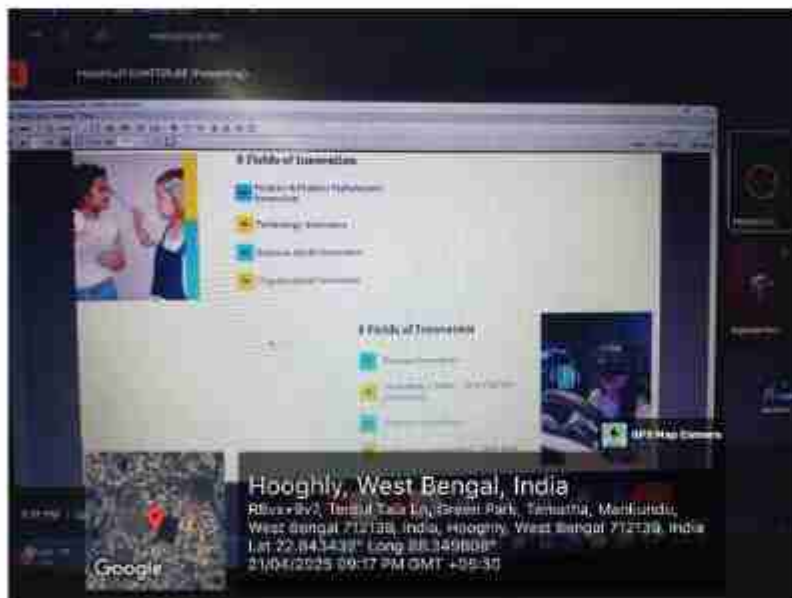
The speaker highlighted the role of angel investors and venture capitalists in nurturing entrepreneurial ecosystems, explained key processes such as valuation, due diligence, and term sheets, and shared practical insights through real-life case studies. Interactive discussions helped participants clarify doubts and explore strategies for attracting investments.

The session enabled attendees to develop knowledge of funding models, negotiation skills, and critical evaluation of investment opportunities. Participants expressed that the event broadened their understanding of startup finance, enhanced their entrepreneurial mindset, and motivated them to explore innovation-driven ventures.

Overall, the event was highly impactful, bridging the gap between theory and practice, and equipping participants with the skills and confidence to engage with investors and pursue entrepreneurial ambitions.

World Creativity and Innovation Day

On 21st April, 2025 Risers Club of MCKV, in collaboration with the Institution's Innovation Council (IIC), organized a vibrant and inspiring event aimed at fostering creativity, innovation, and entrepreneurial thinking among students. The event featured engaging activities, interactive sessions, and insightful talks by our guest speaker who emphasized the importance of creative problem-solving and innovation in today's rapidly evolving world. Participants showcased their unique ideas and projects, reflecting the spirit of ingenuity and collaboration. The celebration not only highlighted the role of creativity in driving sustainable development but also encouraged students to think beyond traditional boundaries and embrace new possibilities for a better future.





INSTITUTION'S
INNOVATION
COUNCIL



Webinar on

WORLD CREATIVITY AND INNOVATIVE DAY



Date :
21st April



Time :
8:30 pm Onwards

Teacher Coordinator:

Dr. Sasmita Subhadarsinee Choudhury

Student Coordinators:

Argha Kamal Saha

Saraswat Chatterjee



Dr. Prasenjit Chatterjee

Professor and Dean
(Research & Consultancy)



Risers Club of MCKV Institute of Engineering



rc_mckvie



RC_MCKVIE



Risers Club of MCKVIE

World Intellectual Property Day

In honor of World Intellectual Property Day(26/04/2025), MCKV Institute of Engineering hosted an interesting online webinar to educate students of all ages about the value of intellectual property (IP) in encouraging creativity and innovation in engineering. The purpose of the session was to inform students about the importance of intellectual property rights in the quickly evolving technology environment of today. It concentrated on the protection and use of concepts, innovations, designs, and creative works to promote industrial, academic, and personal development. The webinar included enlightening talks about copyrights, trademarks, patents, and their useful engineering applications. The lesson focused on how students may safeguard their inventions and make responsible contributions to the digital ecosystem by having a thorough awareness of intellectual property rights. The occasion effectively generated interest and educated attendees on the vital role intellectual property (IP) plays in promoting research, preserving innovation, and forming a knowledge-based future.



- Instagram <https://www.instagram.com/p/DI3DgHgZ6UX/?igsh=M2gyZ2F1NmVjdZQ2>
- Facebook <https://www.facebook.com/share/p/1XKgHbsmGK/>