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JIMS Engineering
Department
AI FOR
Mr.
Tynesh Rai
ASSISTANT PROFESSOR

Yatra

JEMTEC

December

2024



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CHAIRMAN'S MESSAGE

As we look ahead to 2025, let's carry forward the lessons learned and the friendships forged. The new year offers a fresh canvas for new aspirations, challenges, and successes. Embrace it with enthusiasm, continue to explore your passions, and strive for excellence in all that you do.

I wish you all a joyous Christmas, a well-deserved break, and a prosperous New Year. May your hard work pay off in your exams, and may you return refreshed and ready for an exciting new semester!

Dr. Amit Gupta
Chairman JIMS



DIRECTOR'S MESSAGE

It's hard to believe we're already at the December issue! As the year draws to a close, I find myself reflecting on the incredible journey we've shared. This month brings with it the festive cheer of Christmas and the promise of a New Year, but also the intensity of end-term examinations.

I urge you to approach your exams with confidence and determination. Remember the hard work you've put in throughout the semester, and trust your abilities. Take advantage of all the resources available, support one another, and most importantly, prioritize your well-being during this demanding period.

Prof. (Dr.) Sachin Yadav
Director, JEMTEC

EDITOR IN CHIEF



As we approach the end of the semester, I would like to congratulate you all for the wonderful achievements we been able to accomplish as team JEMTEC. Kudos to the editorial team for juggling your hectic classes to bring this issue of Yatra to life.

Dr. Nafees Uddin
Editor-in-chief

EDITORS

Dear Friends,

We're back with another exciting edition of Yatra – packed with moments that celebrate the energy, creativity, and achievements of JIMSites!

From show-stealing performances on independence and teacher's day to the lively buzz across campus, this issue captures it all. A huge congratulations to all our star performers!

Flip through, relive the highlights, and Good vibes and epic luck coming your way for the journey ahead!

- Ayush Parashar – Chief Editor**
- Mohd. Abdullah Meraj – Chief Editor**
- Anwasha Sen – Chief Editor**
- Pratyush Patwal – Chief Editor**

- Atulya Mukesh – Editor**
- Niharika Kumari – Editor**
- Avishka Bhardwaj – Editor**



Ayush



Abdullah



Anwasha



Pratyush



Atulya



Niharika



Avishka

CSE

01

Codetrek'24

Code Trek: Relay Coding, organized by the HashTag Technical Society under the Department of B.Tech CSE, was more than just a competition—it was a celebration of logic, teamwork, and real-world coding. Held on August 28, 2024, the half-day event welcomed 150+ students from different years, offering them a unique opportunity to test their coding mettle in a dynamic relay format.

Each team member had limited time to contribute to a collaborative solution, pushing participants to think fast, code smart, and work in perfect sync. The event encouraged strategic thinking, adaptability, and effective communication—skills vital to the evolving tech industry.



From beginners eager to learn to seasoned coders sharpening their edge, Code Trek created an inclusive space where ideas flowed freely, and learning never stopped. Backed by dedicated faculty and an enthusiastic student team, the event was met with glowing feedback for its engaging structure and vibrant execution.

It truly embodied what HashTag stands for—innovation, community, and a shared passion for tech.





Aarambh'24

Celebrating the Magic of Old Bollywood

The spirit of Old Bollywood came alive at Aarambh 2024, a spectacular cultural fest organized by Navras, the B.Tech CSE society at JIMS EMTC. The event transformed the auditorium into a cinematic dreamscape, celebrating nostalgia through three thrilling competitions. Saarang, the singing contest, featured heartfelt tributes to Bollywood classics. Darpan, the acting and modelling event, brought iconic characters to life with flair and emotion. Taalmel, the dance showdown, had performers setting the stage ablaze with rhythm and energy. A soulful guest performance by Antra Sangeet Samiti elevated the experience. With music, drama, and timeless charm, Aarambh was a perfect blend of talent, creativity, and celebration.

Treasure Hunt'24

The HashTag Technical Society's Treasure Hunt on October 24, 2024, turned the campus into a thrilling puzzle zone. Over 100 students teamed up to solve clever clues and navigate a series of logic-based challenges. The event combined fun, teamwork, and quick thinking, sparking excitement across all years. d learning. Winners walked away with cash prizes, medals, and certificates. With energetic participation and seamless organization by student coordinators, the hunt was a roaring success—reinforcing HashTag's mission of blending creativity with skill-base



Independence Day



Navras, the cultural society of JIMS Greater Noida, hosted a vibrant celebration of Independence Day, echoing the spirit of patriotism across campus. With heartfelt poetry, stirring speeches, soulful music, and energetic dance performances, students paid tribute to the heroes who gifted us freedom.

The amphitheatre resonated with emotion and pride as the tricolor soared high. The event not only honored our legacy but reignited a shared passion for unity, courage, and sacrifice.

AI ML & AIDS

2022



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Guest Lecture

A Talk on Data Science Trends

On 22nd August 2024, the Department of AIML and AIDS hosted an insightful guest lecture on “Trends in Data Science with AI/ML,” led by Mr. Harsh Sharma, Co-founder and CTO of AccioJob and an IIT Delhi alumnus. Held in the Seminar Room at JIMS, the session explored key concepts in AI/ML, career pathways, and the latest industry applications. From real-world use cases in NLP and computer vision to live demonstrations of cutting-edge tools like OpenAI’s speech-to-speech reasoning, students were captivated. The event concluded with an engaging Q&A, leaving attendees inspired and informed about AI’s rapidly evolving future.

Quiz Challenge 2024

On August 30, 2024, the Catalyst AI Club of the AIML & AIDS Department at JIMS organized an engaging “Quiz Challenge” for third and fifth-semester students. The event aimed to test students’ grasp over core AI concepts like Python, Deep Learning, Supervised and Unsupervised Learning. With 55 participants, the competition was intense and intellectually charged.



Questions were designed to challenge speed, accuracy, and conceptual clarity, pushing students to think on their feet. The quiz was followed by a dynamic discussion session where doubts were clarified and concepts reinforced, making it a valuable learning experience. Winners from both years were awarded and appreciated for their quick thinking and strong fundamentals. The event not only encouraged academic competitiveness but also sparked enthusiasm for AI applications. Catalyst AI Club’s initiative proved to be a perfect blend of fun, challenge, and knowledge-sharing.

Expert Lecture

AI for Business



The Departments of AI&ML and AI&DS, along with the Catalyst AI Club, organized an expert lecture by Mr. Lakshay Taneja, CEO of ChainFly on 3rd September 2024. The session explored how AI transforms businesses—covering idea-to-solution workflows, tools like TensorFlow and

PyTorch, and applications in fraud detection and customer analytics. Mr. Taneja shared real-world case studies and offered practical steps for developing and scaling AI solutions. Students also learned about internship opportunities at ChainFly, gaining insight into the industry. The session ended with a vibrant Q&A, enriching the experience for all 73 attendees and bridging the gap between AI concepts and entrepreneurial application.

Teacher's Day

The Departments of AIML and AIDS, along with the Catalyst AI Club, celebrated Teacher's Day on 5th September 2024 in the Seminar Hall, JIMS. The event began with lamp lighting and Ganesh Vandana, followed by classical dance, solo/group singing, and energetic dance performances. Dignitaries including Dr. Sachin Yadav, Dr. Sandeep Saxena, and Dr. R.N. Rajotiya graced the occasion.



Teachers participated in games like Pictionary and Guess the Actor, with winners awarded prizes. Students expressed gratitude through thoughtful gestures, gifts, and performances, creating a warm and festive atmosphere.

Guest Lecture's Mentoring by Industry Expert



On 17th September 2024, Mr. Prashant K., CEO of NativeByte Softwares, delivered an insightful mentoring session to students of AI&ML and AI&DS. He emphasized the real-world demands of AI careers, explained the distinctions between AI and CSE, broke down LLMs and neural networks, and challenged students to build a mini LLM—making it a highly engaging and practical session.

Digital Transformation

On 19th September 2024, Mr. Rakesh Karn, AVP at Axis Bank, delivered an engaging guest lecture on Digital Transformation. He provided a comprehensive overview of cloud computing, data science, and big data frameworks like Apache Hadoop. A notable highlight was his breakdown of real-world applications, including the high-level system design of platforms like YouTube.



He also touched upon machine learning techniques for dictionary building, showcasing their role in managing large-scale data. With over 79 students in attendance, the session offered valuable insights into the evolving digital landscape and the critical role of emerging technologies in modern business.

Industrial Visit to the Ministry of Electronics and IT

On 24th September 2024, students from the 3rd and 5th semesters of AI&ML and AI&DS, accompanied by the Catalyst Gen AI Club, visited the Ministry of Electronics and Information Technology, New Delhi. The visit offered an enriching glimpse into India's digital transformation journey. Welcomed into the digital conference hall, students were introduced to the Ministry's tech-driven operations and pivotal schemes like Digital India. A detailed session on the "Nine Pillars of Digital India" provided clarity on national initiatives such as E-Governance, IT in Agriculture, and Broadband Highways. Career guidance followed, where ministry officials highlighted opportunities in



AI, cybersecurity, and digital governance. Students also engaged in an interactive quiz on Digital India, observed educational exhibits, and explored a live mainframe server model. The visit concluded with insights into the Skill India Mission, cybersecurity tools, and startup innovation programs.



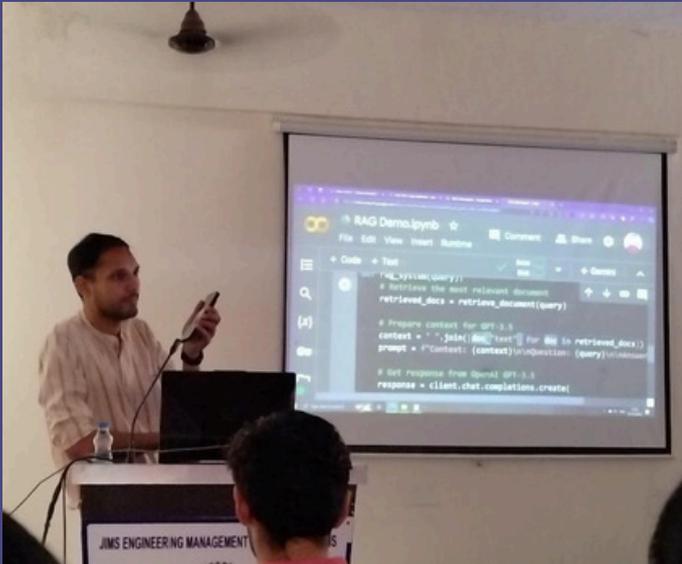
The visit offered valuable insights into India's digital growth, inspiring students to explore careers and innovation in emerging tech fields.



Dandiya Dhamaal

On 14th October 2024, the Department of AI&ML and AI&DS, in collaboration with Swaroop—their newly formed cultural society—hosted Dandiya Dhamaal, a vibrant celebration that brought festive joy to the college auditorium. The event opened with a creative Rangoli competition, setting a colorful tone for the day. From energetic group dances and soulful singing to a powerful Nukkad Natak and heartfelt shayari, students showcased a rich blend of talent and tradition. Interactive sessions on Diwali and Dussehra deepened the festive spirit, while the grand finale—a collective dance floor celebration—ensured the event ended on a high, joyful note.

Mentoring Session by Industry Expert



The Departments of AI&ML and AI&DS organized a mentoring session on 9th October, featuring Mr. Prashant Kumar, CEO of NativeByte Softwares. The session offered deep insights into advanced AI applications, with a special focus on the Retrieval-Augmented Generation (RAG) model. Mr. Prashant provided a hands-on demonstration of the RAG model's architecture and implementation,

illustrating document retrieval and response generation in real time. He also assigned students the task of building a voice assistant, challenging them to apply AI concepts like speech recognition and NLP in a practical setting.

Py Rush “Python Project Challenge”

Held on 17th October 2024, “Py Rush” was a fast-paced Python project competition aimed at boosting coding confidence and creativity.



Organized by Catalyst Gen AI, the event provided students a platform to apply core Python concepts through practical problem-solving, collaboration, and real-time debugging—fueling passion for programming.

Guest Lecture on “AI for Cybersecurity”

The Department of AIML and AIDS, in collaboration with the Catalyst Gen AI Club, hosted a captivating guest lecture titled “AI for Cybersecurity” on October 22, 2024, at the JIMS auditorium. The session was led by Mr. Trinesh Rai, co-founder of Class Avatar and a leading voice in the field of AI and digital security. With over 80 students in attendance, the workshop provided a hands-on look at how AI is transforming cybersecurity—from real-time threat detection and anomaly recognition to automated defense systems and predictive fraud analysis.



Mr. Rai explained how AI enhances real-time threat detection, automates security responses, and uses predictive analytics to stay ahead of cybercriminals. The session emphasized key aspects such as anomaly detection, fraud prevention, and adaptive learning systems. Students actively engaged in a dynamic Q&A segment, seeking clarity on real-world applications of AI in securing digital infrastructure.

The event not only strengthened students' technical understanding but also sparked interest in the ethical and strategic dimensions of AI-driven security. It was a highly informative and future-forward session that left a lasting impression.



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Python Workshop



The Department of AIML & AIDS hosted a dynamic peer-led Python Workshop for second-year students, organized by the Catalyst Gen AI Club. Conducted by third-year mentors, the workshop delivered a hands-on learning experience—starting from Python basics to advanced topics. The AI lab buzzed with collaborative coding, real-time Q&As, and practical examples.

Students not only sharpened their technical skills but also appreciated the comfort of peer-based learning. Feedback was overwhelmingly positive, proving that students can teach—and inspire—students.

Industry Visit

On October 25, 2024, second-year AIML & AIDS students visited Embee Software Pvt. Ltd., Noida, for a hands-on industry experience organized by the Catalyst Gen AI Club. The session covered SAP, SQL, SAP S/4HANA, and Cloud Technologies, offering real-world insights into how these tools power modern businesses. Students explored practical use cases like data management, ERP systems, and cloud infrastructure.



The visit bridged academic learning with industry application, sparking curiosity and broadening their perspective on tech-driven careers.

JIMS EMTC at Nasscom

Technology Confluence 2024

On November 26, 2024, a ten-member team from JIMS EMTC, Greater Noida, attended the prestigious Nasscom Technology Confluence (NTC) 2024 in New Delhi. Centered on “Tech for All”, the event focused on digital skilling, AI-driven education, and industry-academia collaboration. Our students engaged in discussions on emerging technologies, curriculum reform, and apprenticeships.

The delegation also networked with experts from AWS, Cisco, and Tech Mahindra, reaffirming JIMS EMTC’s commitment to nurturing an industry-ready, digitally skilled talent pool.



Guest Lecture Safeguarding Ideas with IPR Technology



On 14th November 2024, AIML & AIDS Department’s Catalyst Gen AI Club organized a guest lecture on Safeguarding Ideas with IPR Technology. Mr. Kumar Parth’s deep dive into patents, digital tools, and blockchain for IP protection opened students’ eyes to tech’s role in innovation security. The interactive Q&A sparked thoughtful questions and curiosity among all 49 attendees.

External Mentoring session

On 5th December 2024, the Departments of AIML and AIDS at JIMS hosted an inspiring mentoring session led by Mr. Prashant Kumar, CEO of NativeByte Softwares and a multi-faceted AI consultant. The session, titled “Use Cases of LLMs and LLMs in Action,” offered an insightful dive into how Large Language Models are revolutionizing industries like healthcare, finance, legal, education, and customer service



The session also touched upon future-facing tech like Multimodal LLMs, Edge AI, and Auto-GPT, offering a glimpse into real-time, autonomous, and cross-modal AI applications. With 67 students actively engaged, the session delivered practical insights and emphasized the balance between innovation and responsibility in AI.

Students were exposed to both the power and pitfalls of LLMs—from real-world applications to challenges like data privacy, bias, misinformation, and high costs. Mr. Kumar emphasized the need for ethical AI development, transparent governance, and equitable access.



BCA

03

Teacher's Day

On 5th September 2024, the BCA Department of JIMS Greater Noida came together to celebrate Teachers' Day with heartfelt warmth and admiration. Marking the birth anniversary of Dr. Sarvepalli Radhakrishnan, the event was a tribute to the educators who inspire, guide, and shape young minds. Students expressed their gratitude by presenting thoughtful tokens of appreciation to the faculty, creating moments of joy and reflection.



The atmosphere resonated with shared stories, laughter, and deep respect as teachers spoke about their experiences and the rewards of teaching. More than just a celebration, the event was a reminder of the powerful role education plays in shaping lives and futures — a day where gratitude met inspiration.

Debating the Digital Age



The Bytecode – IT Club of the BCA Department sparked lively discourse on August 21, 2024, with a spirited Debate Competition open to all BCA students across semesters I, III, and V. Tackling timely and thought-provoking topics – “Computer Games as Classroom Activities” and “Is There a Real Threat from Generative AI?” – participants showcased not only their speaking prowess but also their depth of insight into emerging tech trends.

The event served as a platform to build confidence, encourage critical thinking, and foster a healthy exchange of ideas. The audience was equally engaged, cheering for their peers and reflecting on perspectives that blended logic, innovation, and bold opinions.

Industrial Visit



On October 28, 2024, BCA students of JIMS EMTC, Greater Noida embarked on an insightful industrial visit to the Mother Dairy plant in Patparganj, Delhi, accompanied by faculty members Ms. Preeta and Mr. Devanshu Dube. The visit offered students a fascinating behind-the-scenes look into one of India’s leading dairy brands. From witnessing automated processes involving pasteurization, homogenization, and quality testing, to understanding the strict 23-step quality control checks – every moment sparked curiosity and learning.

B.Com

04

E – Cell : Entrepreneur Challenge

The Department of Commerce (B.Com Hons.), JEMTEC Greater Noida, organized an exciting E-Cell activity titled “Entrepreneur Challenge: A Business Plan Presentation” on 30th August 2024. The event brought together students from all three years, who participated enthusiastically in teams to present their original business ideas. Anchored by third-semester student Prachi Dadhich, the session began with an overview of the event structure and rules, setting the stage for a competitive yet collaborative atmosphere.



Students presented well-structured business plans covering key aspects such as general introduction, business venture goals, organizational structure, production processes, marketing strategies, HR planning, and financial forecasting. The presentations reflected a commendable mix of creativity, analytical thinking, and market understanding.

The event not only fostered entrepreneurial skills but also enhanced communication, teamwork, and leadership qualities among participants. The session concluded with certificate distribution, faculty appreciation, and inspiring words from the HOD, leaving students motivated and future-ready.



Teacher's Day

On 5th September 2024, a lively Teacher's Day celebration organized by the Cultural Club. The event began with a graceful Saraswati Vandana and a welcome note by Kareena Sethi, highlighting the role of teachers in students' lives. Heartfelt gifts were presented to faculty, followed by spirited dance and music performances by students.



The fun continued with Dumb Charades and Antakshari, where mixed student-faculty teams competed. The programme concluded with an inspiring speech by HOD Dr. Shaily Saxena and a joyful cake-cutting ceremony.

NSE Visit

On 19th September 2024, students of B.Com (Hons.) III and V semesters from JEMTEC, visited the National Stock Exchange, Delhi, for an enriching industrial exposure. Guided by faculty members Ms. Priyanka Goel and Mr. Indrajeet Singh, the visit aimed to deepen students' understanding of financial markets. Mr. Mohd. Izhar, the session host, delivered



an engaging presentation covering the structure of capital markets, financial planning, risk-return analysis, and investment options like mutual funds, ELSS, ETFs, and Sovereign Gold Bonds. Students learned about the Time Value of Money, equity returns, and the role of SEBI in investor protection. The session ended with interactive videos and a lively Q&A. A token of appreciation was presented to the host, followed by refreshments and warm interactions. The session proved to be highly informative, offering practical insights into market operations and inspiring students to explore careers in finance and investment.

NSS Swachhata Pakhwada

Girls Hostel Cleanliness Drive

On September 23, 2024, the NSS unit of JEMTEC, Greater Noida, organized a vibrant Swachhata Pakhwada initiative focused on the Girls Hostel. With brooms in hand and a shared sense of purpose, 26 student volunteers transformed their living spaces through sweeping, mopping, dusting, and organizing. From cleaning furniture to ensuring hygiene in common areas, the activity not only enhanced the hostel environment but also encouraged responsibility, teamwork, and pride in one's surroundings. The energy and enthusiasm of the participants reflected the deeper message of the campaign—cleanliness begins at home.



Park Cleanliness Drive

Extending their efforts beyond campus walls, NSS volunteers from the B.Com department led a Park Cleanliness Drive on September 26, 2024, at a nearby government park. The initiative aimed to raise environmental awareness and promote sustainable habits among the public. Students cleaned littered spaces, segregated waste, and interacted with visitors to spread the message of responsible citizenship. Armed with gloves, posters, and purpose, they turned a regular day into a powerful reminder that public spaces deserve care too. The drive left the park visibly cleaner—and the community visibly inspired.



Alumini Guest Lecture

On 9th October 2024, the Department of Commerce (B.Com Hons.), JEMTEC Greater Noida, hosted an insightful Alumni Guest Lecture on “Workplace Learning Challenges Faced by Freshers in Corporates”. The speaker, Ms. Alisha Beg—an alumna of the 2020–23 batch and Executive at Technip Global Business Services—shared real-world corporate experiences in treasury and cash management. She highlighted essential skills students must develop during their graduation, including Financial Modelling, Tally Prime, Advanced Excel, and Data Analytics, while encouraging professional certifications and networking through platforms like LinkedIn.



She also emphasized the importance of communication, time management, and staying updated on core finance concepts. Candidly sharing her own journey, she spoke about facing rejections, handling workplace pressure, and maintaining work-life balance. The interactive session not only clarified industry expectations but also empowered students with tools for personal and professional growth. It concluded with a vote of thanks and a token of appreciation from the department.



NSS Poster Making Competition

On 14th November 2024, the Department of Commerce (B.Com Hons), in collaboration with the NSS unit of JIMS EMTC, hosted a Poster Making Competition on Gender Sensitization. Aimed at promoting inclusivity and addressing societal stereotypes, the event drew enthusiastic participation from 20 creative students



Their posters tackled crucial sub-themes like gender equality, women empowerment, and breaking stereotypes, blending artistic flair with powerful social messages. Judged on creativity, relevance, and visual impact, the entries sparked thoughtful dialogue and engaged both peers and faculty. The initiative used visual art to promote awareness, respect, and inclusivity.

External Mentoring Session

The Department of B.Com (H), JEMTEC, Greater Noida, hosted an engaging guest lecture on “Can You Express Well to Impress” on 30th November 2023. Delivered by Ms. Ambika Rathi, Corporate Trainer at NISM, the session highlighted the vital link between communication and mental well-being in professional settings. Attended by 80 students and faculty, the lecture offered practical tips on emotional expression, self-awareness, and managing stress. The interactive session encouraged students to reflect on their expression styles and left them inspired to communicate with clarity and confidence. The event concluded with a warm vote of thanks and memento presentation.



Guest Lecture's



A guest lecture on “Start-Up Ecosystem” on 21st August 2024, led by Mr. Rohit Kumar, founder of ASRA Education Foundation. The session began with a warm welcome by student anchor Soumya Sharma and HOD Dr. Shaily Saxena. Mr. Kumar interacted with students on the concepts of “start-up” and “entrepreneur,” stressing that anyone with vision and strategy can succeed, regardless of qualifications. He discussed traits of entrepreneurs using examples like Ambani and explained how to create effective business proposals covering organizational, HR, marketing, financial, and contingency plans.

An enlightening guest lecture on “How to Develop Creative Thinking” on 31st October 2023. The session featured Ms. Ambika Rathi, Corporate Trainer at NISM, Delhi, known for her expertise in workplace mental wellness. The event began with a welcome note and introduction by HOD Dr. Chandra Shaardha, followed by Ms. Rathi’s engaging talk on mental health – its types, causes, and impact in organizational settings. She emphasized the importance of expressing thoughts clearly and managing emotions effectively to boost creative thinking. The session, anchored by third-semester student Arpit, was both insightful and interactive.



On 13th November 2024, a thought-provoking guest lecture on “Idea to Impact” by Mr. Anurag Singh, founder of THINKFIN FINSERVE Pvt. Ltd. The event began with a warm welcome by first-semester student Garima Arora and HOD Dr. Shaily Saxena. Mr. Singh engaged students through an interactive discussion on start-ups and entrepreneurship, highlighting essential qualities of successful entrepreneurs with examples like Ambani. In the second half, he shared his inspiring journey of building THINKFIN, a FinTech firm leveraging AI and ML to deliver investment solutions. The session offered real-world insights into turning ideas into impactful ventures, leaving students highly motivated.



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