REPORT OF ONE DAY INTERNATIONAL SEMINAR
ON
“ AI IN HIGHER EDUCATION: IMPACT ON STUDENT DEVELOPMENT”

The International Association for the Promotion of Asia-Africa Research (IAPAAR) is an international organization collaborating with Medi-Caps University, India. The Association is housed in Gandhi Institute of Engineering and Technology University, Odisha, Gunupur, India. The Association is dedicated to the promotion of international education and university cooperation in the field of Technology, Sciences and Social Sciences. Through the organisation of different international events, it brings together institutions, bodies and organisations from different countries of the world for discussion and cooperation.

The One Day International Seminar On “ AI in Higher Education: Impact On Student Development” , Date: 13 / 07 / 2025, Through Virtual Mode, Time: 05 : 00 Pm (Ist), organized by Department Of Mechanical Engineering ; Gandhi Institute Of Engineering And Technology University ; Odisha, Gunupur, India in Collaboration with International Association For The Promotion Of Asia-Africa Research (IAPAAR) and Department Of Computer Science And Robotics Education, University Of Uyo, Uyo, Nigeria.

The seminar, hosted by Gandhi Institute of Engineering and Technology (GIET) University, Gunupur, Odisha, brought together distinguished speakers and participants from various countries to share insights on the theme "AI in Higher Education: Impact on Student Development." The event commenced with a warm welcome and an insightful address on the significance of the seminar by Dr. Kali Charan Rath, Associate Professor in the Department of Mechanical Engineering at GIET University and International President of IAPAAR. In his speech, Dr. Rath emphasized the transformative potential of Artificial Intelligence in enhancing student learning experiences, fostering academic growth, and shaping the future of global education. The seminar provided a vibrant platform for international experts, educators, and researchers to exchange knowledge and explore AI-driven innovations that are revolutionizing classroom learning and student development in the higher education landscape.

Prof. OLUBIYI, Timilehin Olasoji, Ph.D ; Dean, Faculty of Management, and Social Sciences ; West Midlands Open University ; Lagos State, Nigeria, delivered his talk on "AI in Higher Education". Artificial Intelligence (AI) is transforming higher education by enhancing student development, improving teacher performance, and raising important ethical considerations. Through adaptive learning platforms, AI enables personalized learning experiences tailored to individual student needs, promoting deeper engagement and academic success. For educators, AI-powered analytics offer real-time feedback, helping refine teaching strategies and identify learning gaps effectively. Moreover, AI supports administrative tasks, freeing faculty to focus on mentoring and innovation. However, the integration of AI demands careful attention to ethical issues such as data privacy, algorithmic bias, and the responsible use of student information. By aligning AI applications with ethical standards and inclusive practices, higher education can harness AI as a powerful tool to foster academic excellence, equity, and holistic development.

Dr. Sheetal Mody , K P B Hinduja College Of Commerce Maharashtra, India, delivered in his talk AI is transforming higher education by enhancing student learning outcomes through personalized learning experiences, efficient learning tools and improved collaboration. AI is revolutionizing higher education by enhancing student learning outcomes through personalized learning experiences, efficient learning tools and improved collaboration. AI-powered platforms, such as ChatGPT, provide tailored learning, adjust to individual students' needs and abilities, and offer real-time feedback. Students can leverage ChatGPT and other AI tools to supplement classroom learning, explore complex concepts, and access vast knowledge bases. By utilizing AI-driven resources, students can enhance their critical thinking, problem-solving and research skills, ultimately leading to improved academic performance and deeper understanding of subject matter.

Dr. Animesh Agrawal, MATS University Raipur, India, delivered the content in his talk as Artificial Intelligence is rapidly transforming academic development in higher education by offering personalized learning experiences, intelligent tutoring systems, and adaptive learning platforms that cater to individual student needs and learning paces. These AI-driven tools provide instant feedback, identify learning gaps, and offer tailored resources, thereby enhancing academic performance, engagement, and critical thinking skills. Furthermore, AI streamlines administrative tasks like grading and admissions, allowing educators to focus more on direct student interaction and curriculum optimization. While promising immense potential for improved learning outcomes and efficiency, the integration of AI also necessitates careful consideration of challenges such as ensuring data privacy, mitigating algorithmic bias, preventing over-reliance that might diminish critical thinking, and addressing concerns related to academic integrity.

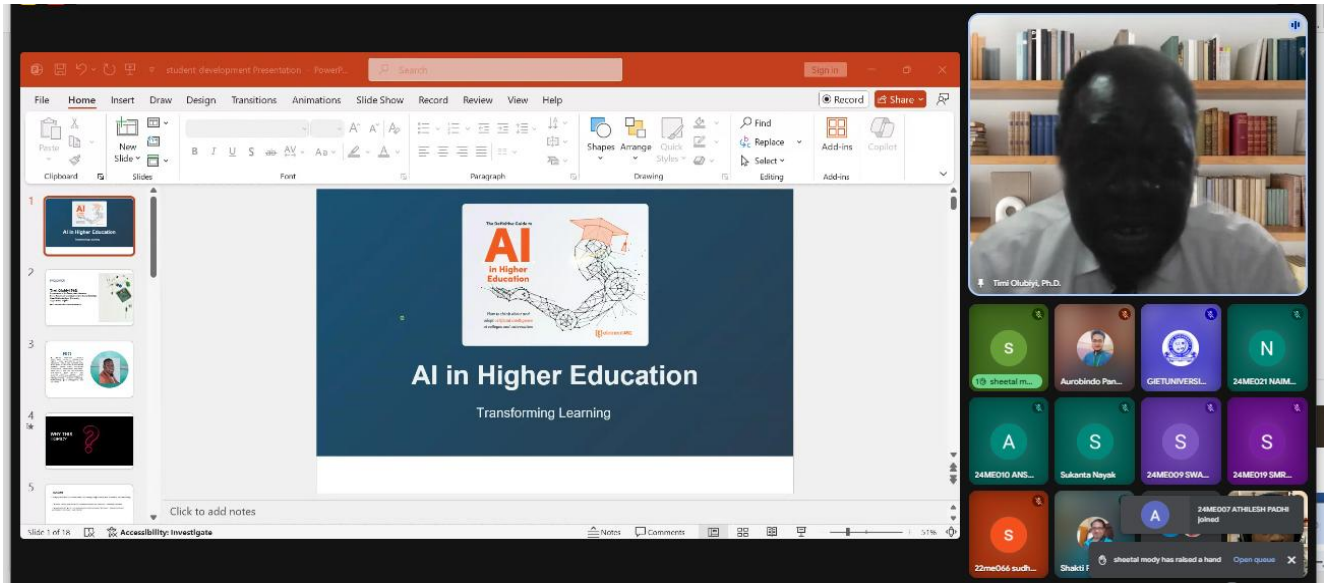
Ms. Gayatri Sunkad , Department of political science , Badami , Karnataka , India deliver his talk with content that AI in higher education provides students with personalized learning experiences, enhancing their academic performance and improving retention rates. By leveraging AI-powered platforms, students can access tailored educational content, real-time feedback and efficient learning tools, ultimately leading to knowledge enhancement and skill development. AI-driven learning platforms also facilitate collaboration, identify at-risk students and

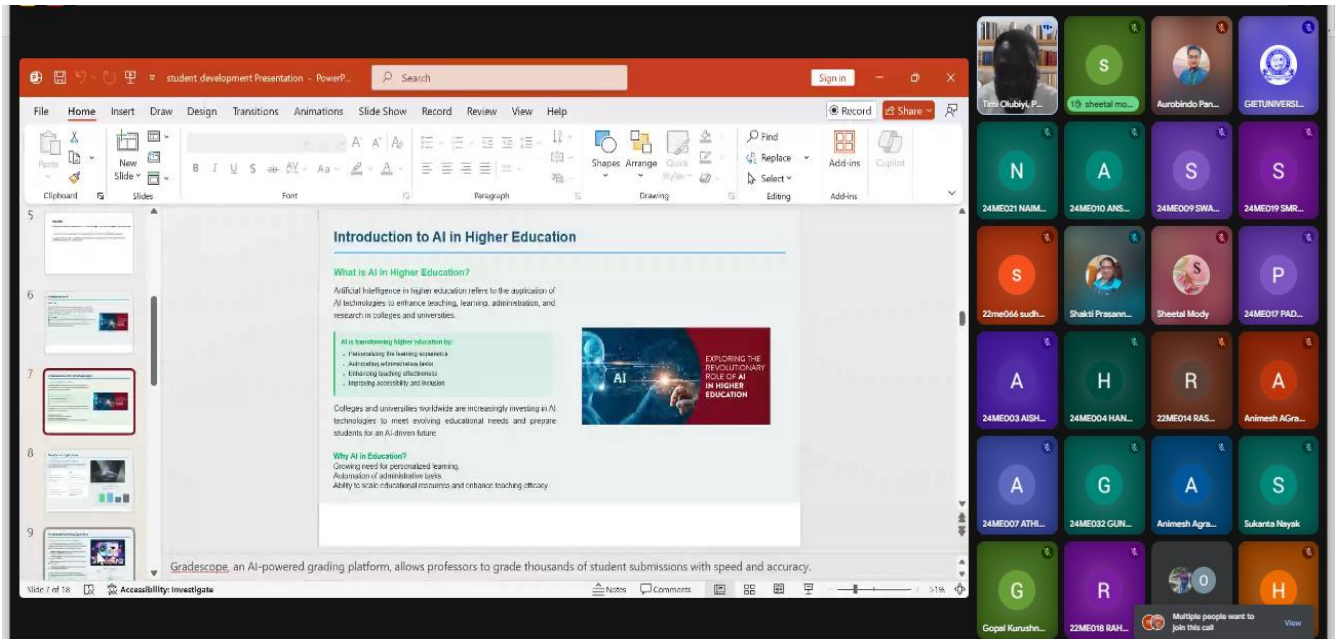
offer on-demand learning opportunities, supporting lifelong learning and academic success. With AI, students can acquire new skills, deepen their understanding of complex concepts and achieve their academic goals more effectively.

Mr. Modou Gaye (BOUR) , Educationist and Mental Health Advocate, Gambia, West Africa shared his experince in his talk that AI in higher education leverages machine learning algorithms and natural language processing to provide personalized learning experiences, adaptive assessments and real-time feedback, thereby enhancing student engagement, knowledge retention and academic performance. AI-powered tools facilitate efficient learning, identify knowledge gaps and offer tailored recommendations, while also promoting critical thinking, creativity and academic integrity. By integrating AI technologies, institutions can optimize educational outcomes, improve student success rates and foster a culture of lifelong learning, provided that ethical considerations, data privacy and AI literacy are adequately addressed.

Mr. Santosh Kumar Tripathy, Assistant Professor, Department of Mechanical Engineering, GIET University, Gunupur, Odisha, delivered the vote of thanks, expressing heartfelt gratitude to all session chairs, eminent speakers, participants, and media personnel for their valuable presence and contributions to the seminar. He also extended his sincere thanks to all the chairs of IAPAAR for their support and collaboration in making this international seminar a grand success. His concluding remarks acknowledged the collective efforts that led to the fruitful exchange of ideas and knowledge on the transformative role of AI in higher education and student development.

Some clicks of the programme

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Introduction to AI in Higher Education
What is AI in Higher Education?
Artificial Intelligence in higher education refers to the application of AI technologies to enhance teaching, learning, administration, and research in colleges and universities.
AI is transforming higher education by:
Personalizing the learning experience
Automating administrative tasks
Enhancing teaching effectiveness
Improving accessibility and inclusion
Colleges and universities worldwide are increasingly investing in AI technologies to meet evolving educational needs and prepare students for an AI-driven future.
EXPLORING THE REVOLUTIONARY ROLE OF AI IN HIGHER EDUCATION
Why AI in Education?
Growing need for personalized learning.
Automation of administrative tasks.
Ability to scale educational resources and enhance teaching efficacy.
Gradescope, an AI-powered grading platform, allows professors to grade thousands of student submissions with speed and accuracy.
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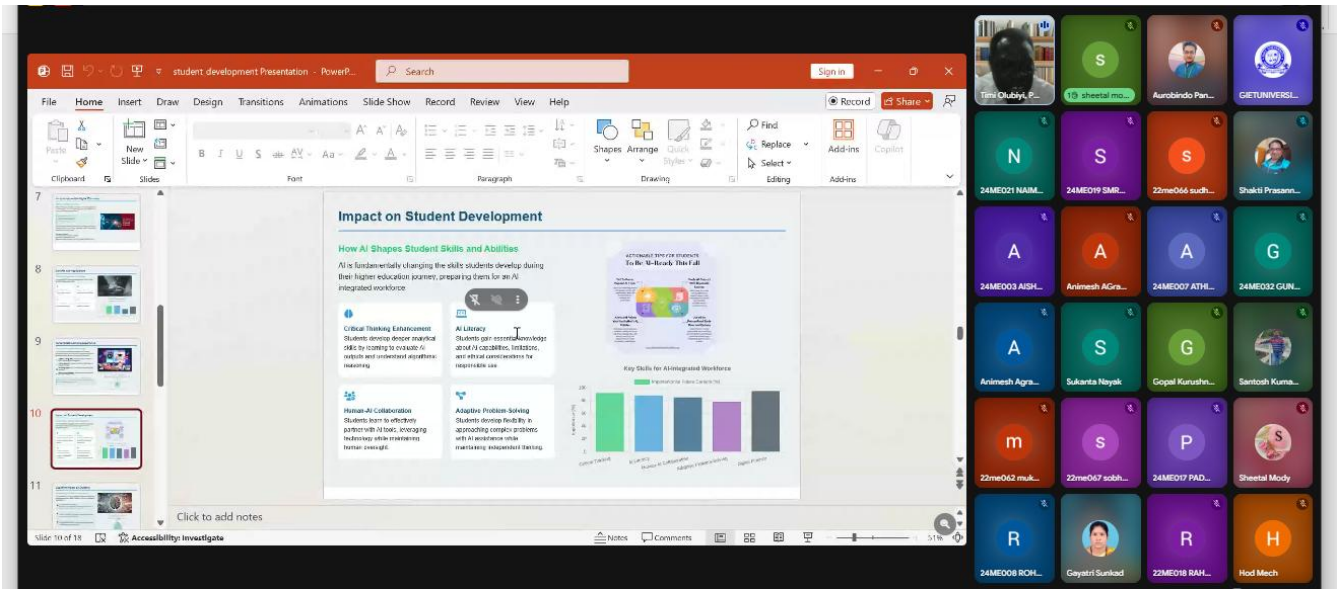
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Impact on Student Development
How AI Shapes Student Skills and Abilities
AI is fundamentally changing the skills students develop during their higher education journey, preparing them for an AI-integrated workforce.
Critical Thinking Enhancement
Students develop deeper analytical skills by learning to evaluate AI outputs and understand algorithmic reasoning.
AI Literacy
Students gain essential knowledge about AI capabilities, limitations, and ethical considerations for responsible use.
Human-AI Collaboration
Students learn to effectively partner with AI tools, leveraging technology while maintaining human oversight.
Adaptive Problem-Solving
Students develop flexibility in approaching complex problems with AI assistance while maintaining independent thinking.
Key Skills for AI-Integrated Workforce
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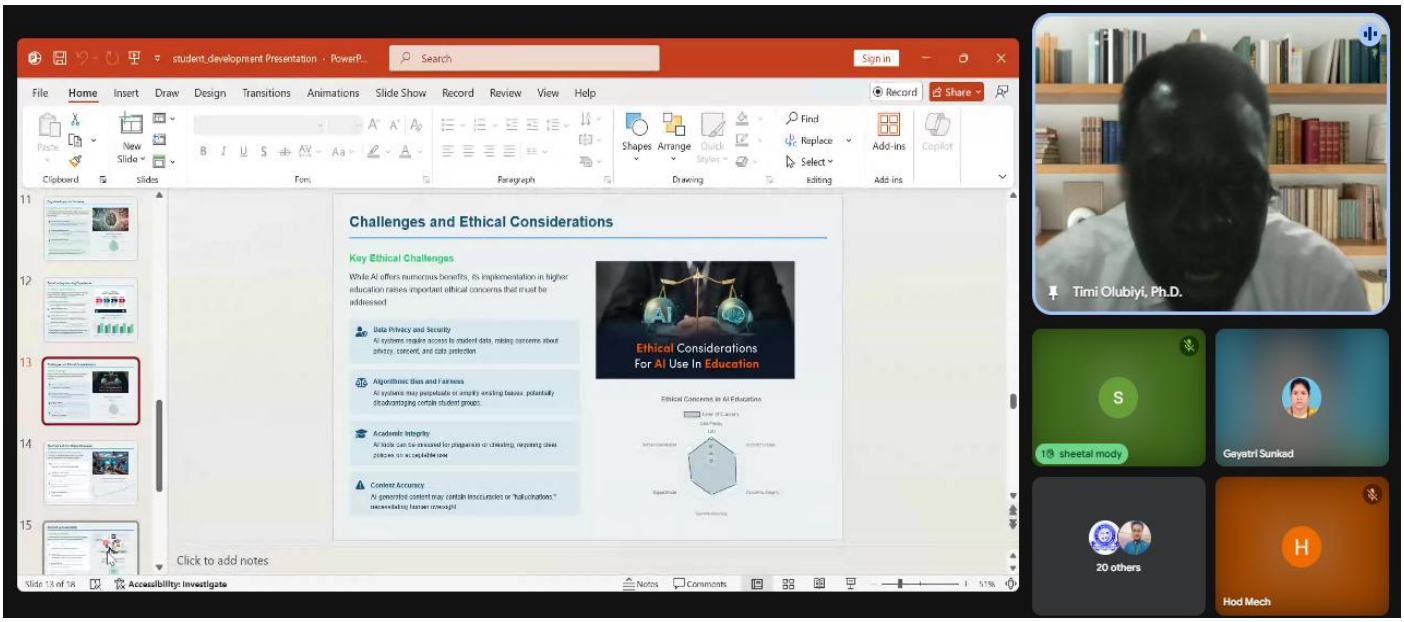
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Challenges and Ethical Considerations
Key Ethical Challenges
While AI offers numerous benefits, its implementation in higher education raises important ethical concerns that must be addressed.
Data Privacy and Security
AI systems require access to student data, raising concerns about privacy, consent, and data protection.
Algorithmic Bias and Fairness
AI systems may perpetuate or amplify existing biases, potentially disadvantaging certain student groups.
Academic Integrity
AI tools can be misused for plagiarism or cheating, requiring clear policies on acceptable use.
Content Accuracy
AI-generated content may contain inaccuracies or "hallucinations," necessitating human oversight.
Ethical Considerations For AI Use In Education
Ethical Concerns in AI Education
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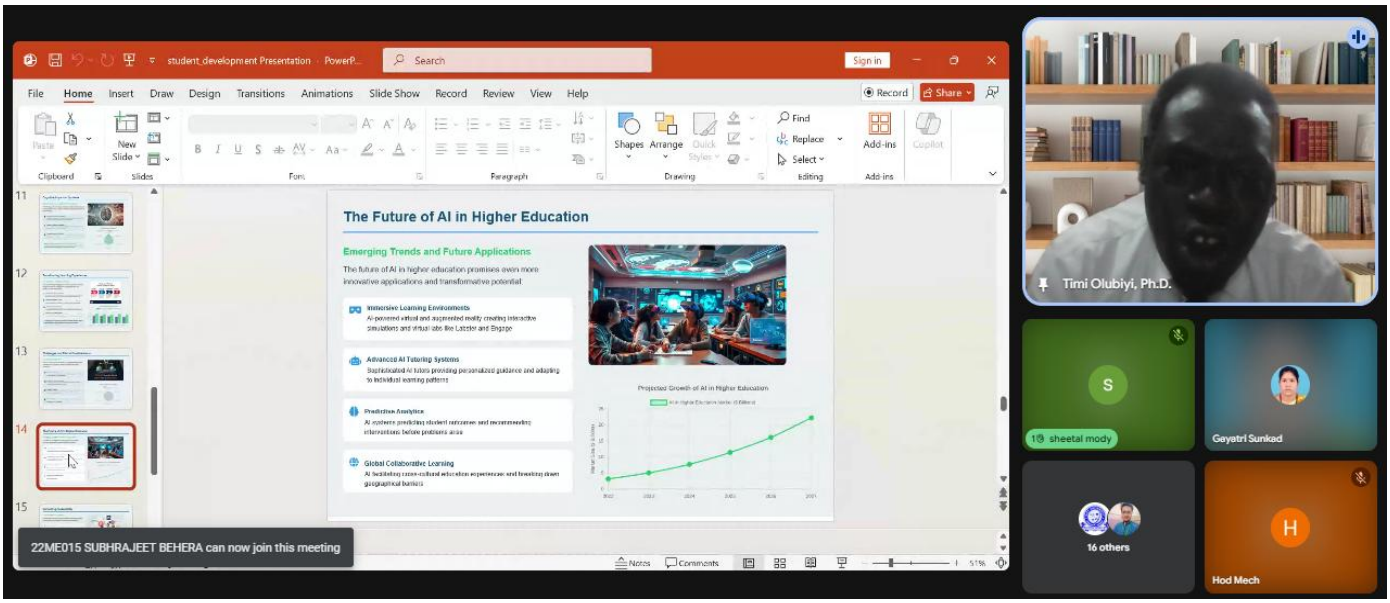
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The Future of AI in Higher Education
Emerging Trends and Future Applications
The future of AI in higher education promises even more innovative applications and transformative potential
Immersive Learning Environments
AI-powered virtual and augmented reality creating interactive simulations and virtual labs like Lasster and Engage
Advanced AI Tutoring Systems
Sophisticated AI tutors providing personalized guidance and adapting to individual learning patterns
Predictive Analytics
AI systems predicting student outcomes and recommending interventions before problems arise
Global Collaborative Learning
AI facilitating cross-cultural education experiences and breaking down geographical barriers
Projected Growth of AI in Higher Education
22ME015 SUBHRAJEET BEHERA can now join this meeting
Timi Olubiyi, Ph.D.
sheetal mody
Gayatri Sunkad
16 others
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Reshaping Curriculum & Required Skills
AI Literacy
Students across all disciplines need to understand AI's capabilities and limitations.
Critical Thinking
Evaluating AI outputs and formulating informed questions becomes more crucial than ever.
Human-Centric Skills
Creativity, emotional intelligence, and ethical reasoning are amplified as uniquely human advantages.
Universities are rapidly developing new AI ethics and data science programs (e.g., MIT, Stanford) to meet this demand.
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Gayatri Sunk...
Sheetal Mody
Timi Olubiyi, P...
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Nalinikanta Panda joined

The Future of Student Development with AI

AI as a Research Partner

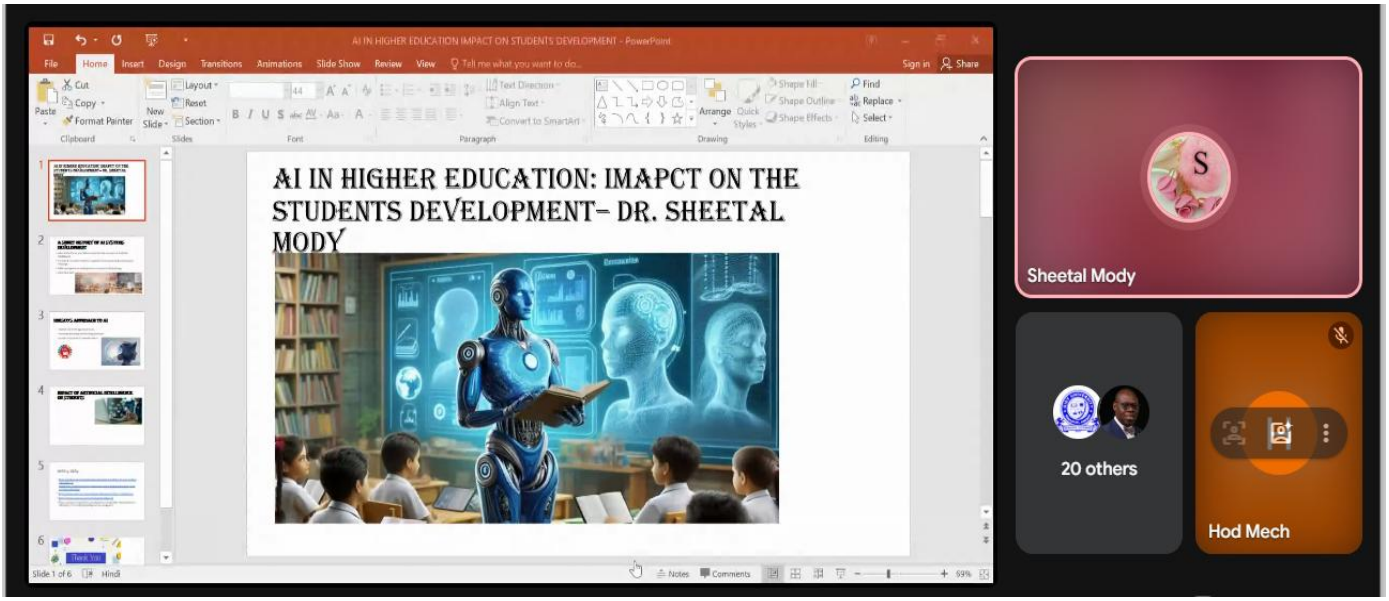
Accelerating discovery and data analysis, allowing students to tackle complex problems.

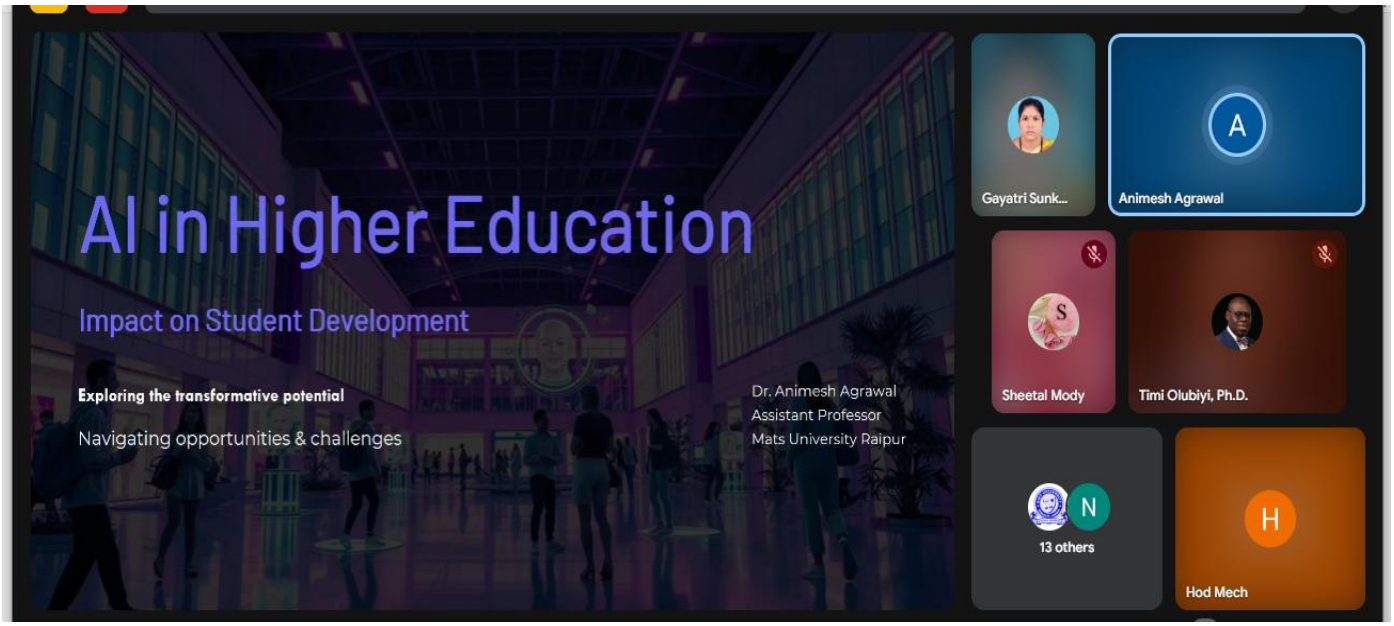
Hyper-Personalized Career Guidance

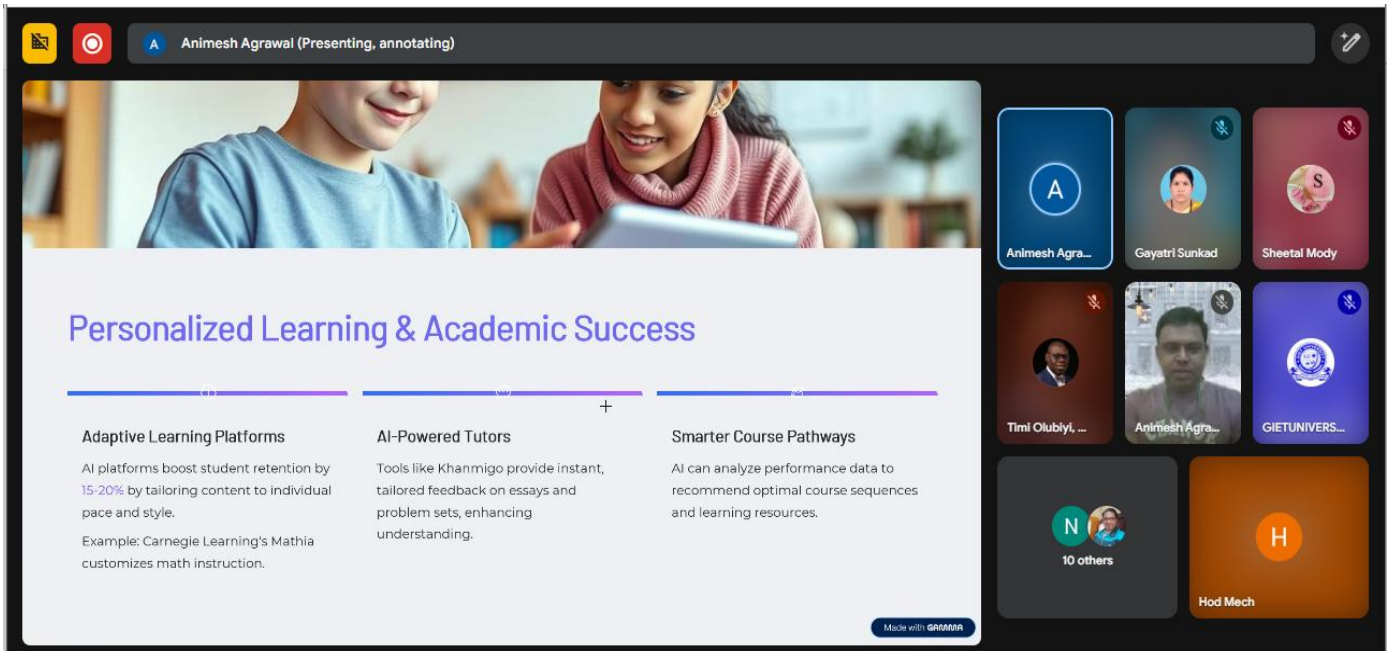
Tailored career paths based on individual profiles, skills, and real-time market trends.

Lifelong Learning Platforms

AI-powered tools for continuous skill development, crucial for post-graduation adaptation.






Animesh Agrawal (Presenting, annotating)
Personalized Learning & Academic Success
Adaptive Learning Platforms
AI platforms boost student retention by 15-20% by tailoring content to individual pace and style.
Example: Carnegie Learning's Mathia customizes math instruction.
AI-Powered Tutors
Tools like Khanmigo provide instant, tailored feedback on essays and problem sets, enhancing understanding.
Smarter Course Pathways
AI can analyze performance data to recommend optimal course sequences and learning resources.
Made with GAMMA
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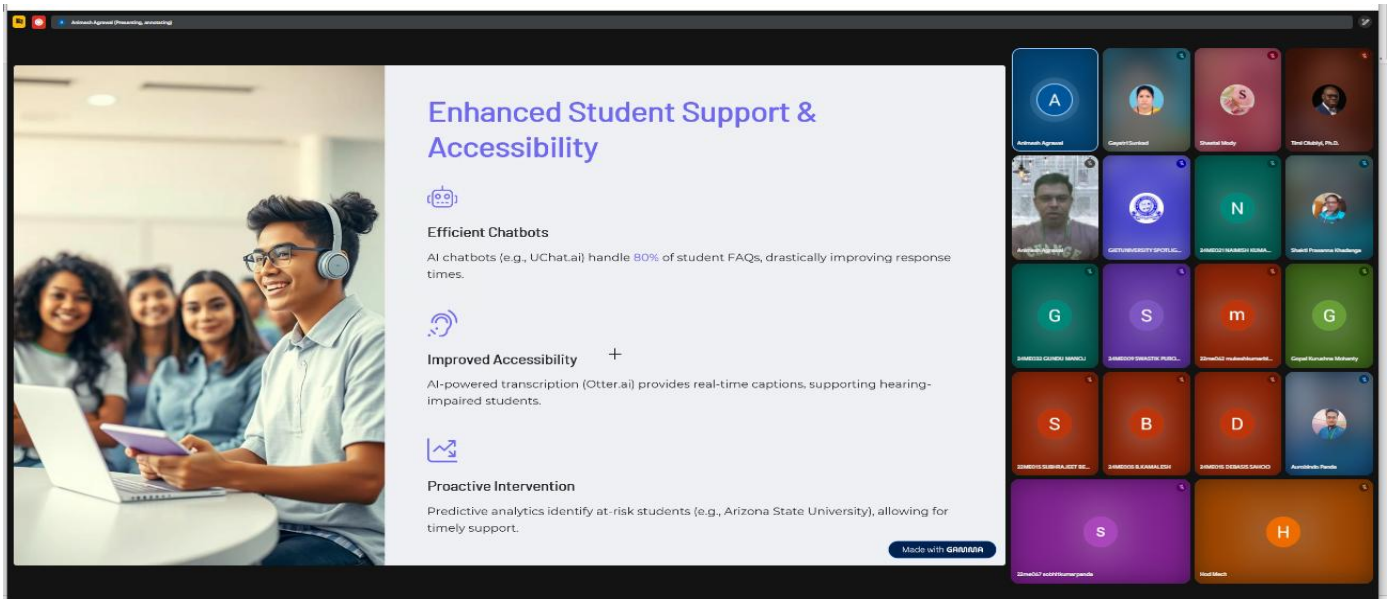
Enhanced Student Support & Accessibility
Efficient Chatbots
AI chatbots (e.g., UChat.ai) handle 80% of student FAQs, drastically improving response times.
Improved Accessibility
AI-powered transcription (Otter.ai) provides real-time captions, supporting hearing-impaired students.
Proactive Intervention
Predictive analytics identify at-risk students (e.g., Arizona State University), allowing for timely support.
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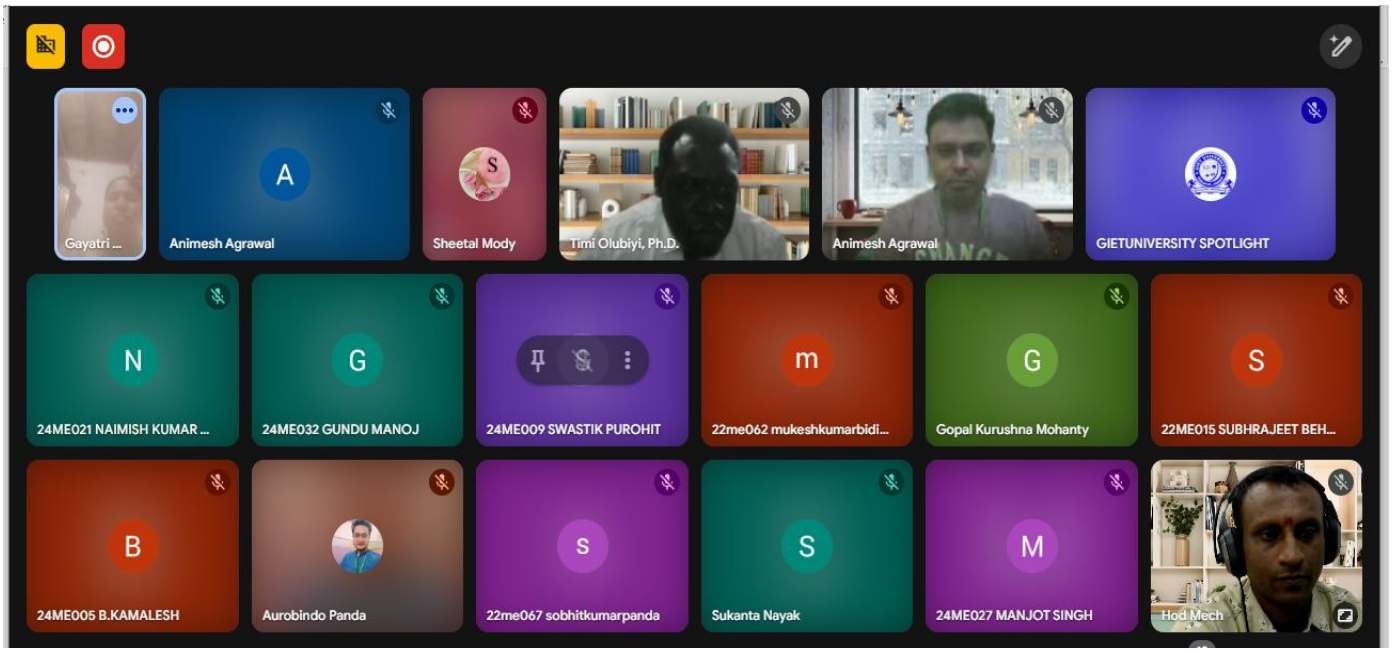
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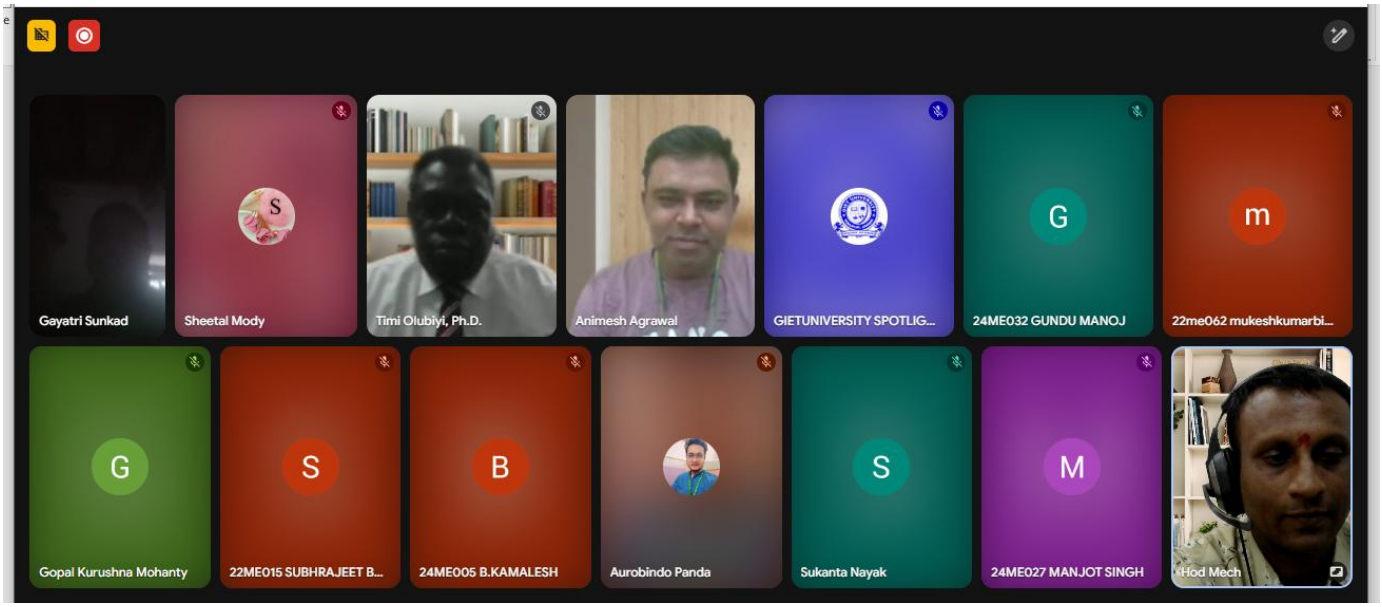
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