



**GIET University, Gunupur-7650022**  
**Permanent Institute ID (PID): 1-4561768721**  
**Vishwa Guru in AI**  
***AI driven activities Yr. 2025***

<b>S/No.</b>	<b>Event Name</b>	<b>Month (Yr. 2025)</b>
1	Expert Talk and Panel Discussion on Future of Artificial Intelligence	08/01/2025
2	MoU between GIET University and CSC Council	12/01/2025
3	One Week Faculty Development Program on Artificial Intelligence, Machine Learning and Deep Learning E&ICT IITR	13/01/2025 to 17/01/2025
4	AI Awareness Program for School Students, Gandhi Public School, Gunupur, Odisha	17/01/2025
5	One Week Faculty Development Program on Image Processing and Pattern Recognition E&ICT IITR	21/01/2025 to 25/01/2025
6	AI Chapter Inauguration in Association with CSC Council Indo-American Council of Emerging Technologies in Association with GIET University	22/01/2025
7	Industrial Talk on Generative AI	24/01/2025
8	MoU between GIET University and Lagozon Technology Pvt. Ltd.	28/01/2025
9	Millets Webinar Series, (Integrating Millets with AI: Building a Sustainable Society with India's Viswa Guru Vision in AI)	27/01/2025, 29/01/2025 30/01/2025, 31/01/2025 01/02/2025, 03/02/2025 03/02/2025, 21/02/2025
10	MOU between GIET University and IRT Digital Analytics Solutions Pvt. Ltd.	03/02/2025
11	University Level Hackathon-2025 (AI Hackathon-2025), In-line with India's Viswa Guru Vision in AI, in Association with CSC Council, Indo-American Council of Emerging Technologies	04/03/2025
12	World Intellectual Property Day 2025 "IPR in the Age of AI: Ownership, Ethics, and Innovation"	26/04/2025
13	FACULTY DEVELOPMENT PROGRAMME (FDP) ON Machine Learning Operations (MLOps) E&ICT NITW	23-28/06/2025
14	26th Annual ISTE Students Convention of Odisha Section and National Seminar on "India's AI Revolution: Viswa Guru AI"	11th - 12 <sup>th</sup> /07/2025
15	One Week Faculty Development Program on Foundations of Artificial Intelligence: Concepts, Techniques, and Applications E&ICT IITR	09/07/2025 to 13/07/2025
16	LEARNATHON 4.0, Unlocking the future: Learn, Build, Innovate Learn to Hack - Hack to Learn, Artificial Intelligence & Machine Learning	23 <sup>rd</sup> /07/2025-26 <sup>th</sup> /07/2025
17	Agentic AI Hackathon	04/09/2025-05/09/2025

18	One Week Faculty Development Program on Machine Learning: From Data to Decision E&ICT IITR	17 <sup>th</sup> /09/2025 to 21 <sup>st</sup> /09/2025
19	AI Hacknovation 1.0	10 <sup>th</sup> /10/2025 & 11 <sup>th</sup> /10/2025

**Expert Talk and Panel Discussion on Future of Artificial Intelligence**  
08/01/2025

**Expert Talk On AI Career Pathways Inline  
With Vishwa Guru In AI**

**AIML CLUB  
GIET UNIVERSITY**

**“We pledge to position India as a Vishwa Guru  
in AI, leading innovation, ethics, and  
education, fulfilling our Prime Minister’s  
vision”**

**Dr. Renu Dalal**  
Asst Prof, IP University, New Delhi

**Dr. Manju Khari**  
Prof, JNU, New Delhi

Organized by  
AIML Club,  
Department Of Computer Science And Engineering,  
GIET University, Gunupur,  
Rayagada, Odisha-765022, India

**Experts**

- Dr. Manju Khari, Professor, JNU New Delhi
- Dr. RenuDalal, Assistant Professor, IP University, New Delhi
- Dr. Jyoti, Assistant Professor, IP University, New Delhi
- Dr. Ankit Agrawal, Assistant Professor, IP University, New Delhi







**AI Awareness Program for School Students**  
**Gandhi Public School, Gunupur, Odisha**  
17 January 2025  
Organized by  
AIML Club  
Department of CSE  
GIET University, Gunupur







**AI Chapter Inauguration in Association with CSC Council  
Indo-American Council of Emerging Technologies in Association with GIET  
University  
AI Chapter  
AIML Club  
Department of Computer Science and Engineering  
GIET University, Gunupur-7650022  
22<sup>nd</sup> January 2025**

<b>Inaugural Ceremony (AI Chapter)</b> 22 <sup>nd</sup> January 2025 (Online Mode)	
05:00PM-05:05PM	Inviting the Guests to the Virtual Dias
05:05PM-05:15PM	Welcome address by AIML Club Mentor Dy. Dean, Computational Sciences <b>Dr. K M Gopal</b> , GIET University
05:15PM-05:25PM	Address by Registrar <b>Prof. (Dr.) NVJ Rao</b> , Registrar, GIET University
05:25PM-05:35PM	Address by Vice Chancellor <b>Prof. (Dr.) AVNL Sharma</b> , Vice Chancellor, GIET University
05:35PM-05:45PM	<b>Mr. CharuPel</b> Founder & CEOE-Innosec, Securetain, CSC Council & ICET
05:45PM-06:00PM	<b>Ms. Kathryn Kellner</b> Founder & Director, The Human Communication Studio
06:00PM-06:10PM	<b>Dr. John Worley</b> <i>WIDP President, People Development</i>
06:10PM-06:20PM	<b>Ms. Janine Kasper</b> <i>President, Kairos Digital Commerce Consulting</i>
06:20PM-06:25PM	Vote of Thanks by AI Chapter Coordinator <b>Dr. Raghvendra Kumar</b> , GIET University



The Indo-American Council of Emerging Technologies

AI Chapter Inauguration  
Department of Computer Science and Engineering  
GIET University, Gunupur-765022

# NAVIGATING YOUR CAREER JOURNEY: FROM YOUTH TO LEGACY WEBINAR

This session marks the first event in our series of webinars designed to inspire students to discover their true potential and bridge the gap between academic life and professional success.



**Kathryn Kellner**  
Founder & Director  
The Human Communication Studio

## THOUGHT LEADERS



**Prof. (Dr.) AVNL Sharma**  
Vice Chancellor, GIET  
University



**Prof. (Dr.) NVJ Rao**  
Registrar, GIET University



**Dr. K M Gopal**  
Dy. Dean, Computational Sciences,  
GIET University



**Dr. Raghendra Kumar**  
GIET University



**Charu Pel**  
CEO -alnnoseec

## Key Discussions & Insights

- ✓ Understanding Career Stages
- ✓ Takeaway Guidelines to create an effective resume
- ✓ Develop basis for a compelling bio
- ✓ Uncover your resilience and adaptability
- ✓ Takeaway real life examples



**22 nd January 2025 at 5PM-6PM**

**REGISTER  
NOW**



Visit our website  
[www.icet.ai](http://www.icet.ai)



The Indo-American Council of Emerging Technologies

AI Chapter Inauguration  
Department of Computer Science and Engineering  
GIET University, Gunupur-765022

## Communicate to Innovate: Mastering the Art of Effective Communication

### WEBINAR

This session marks the first event in our series of webinars designed to inspire students to discover their true potential and bridge the gap between academic life and professional success.



**Kathryn Kellner**  
Founder & Director  
The Human Communication Studio

### THOUGHT LEADERS



**Dr John Worley**  
WIDP President People Development USA



**Janine Kasper**  
President @Kairos Digital Commerce  
Consulting



**Charu Pel**  
CEO -elnnoseec

### Key Discussions & Insights

- ✓ Build active listening skills to improve teamwork and understanding
- ✓ Master the art of clear and concise communication for impactful interactions.
- ✓ Understand how to adjust your message for friends, teachers, and teams.



**22 nd January 2025 at 5PM-6PM**

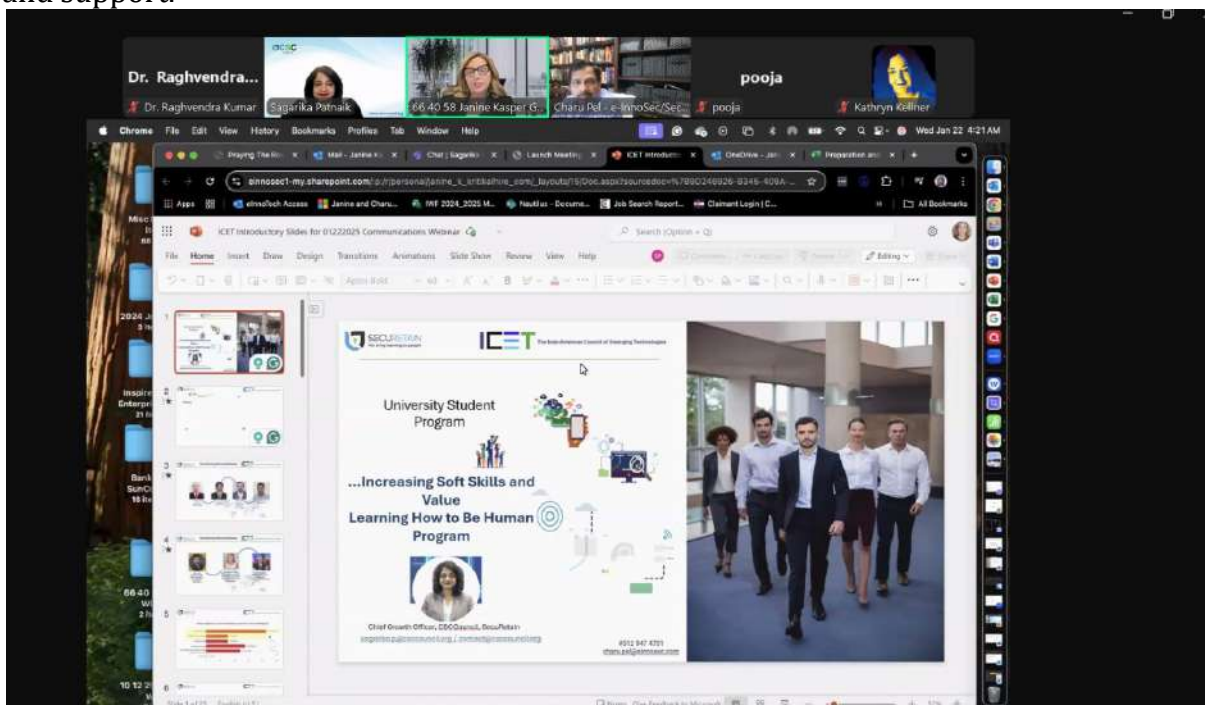
**REGISTER  
NOW**



Visit our website  
[www.icet.ai](http://www.icet.ai)

The AI Chapter inauguration, held on 22nd January 2025, was a landmark event jointly organized by the Indo-American Council of Emerging Technologies and GIET University. The event, facilitated by the AIML Club of the Department of Computer Science and

Engineering, brought together eminent speakers and professionals to discuss advancements and opportunities in artificial intelligence (AI). The inauguration was conducted in an online mode and witnessed participation from faculty, students, and industry experts. Dr. K M Gopal, Dy. Dean of Computational Sciences and the AIML Club Mentor, extended a warm welcome to all attendees. He highlighted the objectives and vision of the newly established AI Chapter. Prof. (Dr.) NVJ Rao, Registrar of GIET University, emphasized the university's commitment to fostering innovation and integrating cutting-edge technologies into the curriculum. He also encouraged students to actively participate in AI-focused initiatives. Prof. (Dr.) AVNL Sharma, Vice Chancellor of GIET University, delivered an insightful address on the pivotal role of AI in shaping future technological landscapes. He lauded the collaborative efforts of the Indo-American Council and GIET University in establishing the AI Chapter. Mr. Charu Pel, Founder & CEO of E-Innosec, Securetain, CSC Council, and ICET, shared his perspective on emerging AI technologies and their global impact. His address was both motivational and forward-thinking, inspiring attendees to leverage AI for societal betterment. Ms. Kathryn Kellner, Founder & Director of The Human Communication Studio, delivered the keynote speech. She focused on the synergy between AI and human communication, emphasizing the ethical and psychological aspects of AI integration. Dr. John Worley, WIDP President of People Development, spoke about the transformative potential of AI in leadership and workforce development. His speech offered practical insights for students and professionals alike. Ms. Janine Kasper, President of Kairos Digital Commerce Consulting, discussed the application of AI in revolutionizing digital commerce. Her address underscored the importance of AI in enhancing customer experiences and optimizing business operations. Dr. Raghvendra Kumar, AI Chapter Coordinator, concluded the event with a vote of thanks. He expressed gratitude to the distinguished speakers, organizers, and participants for their invaluable contributions and support.



Dr. Raghendra... Sagarika Patnaik pooja Shweta

Dr. Raghendra Kumar Kathryn Kellner Sagarika Patnaik pooja 66 40 58 Janine Kaspe... Shweta

Strategizing through your Breath-Thought Connection

**Patterning our intentions and thoughts with a supportive breathing technique manifests in clear and comprehensive communication.**

Diaphragmatic Breath Thoughts can be Directive Determine an Intention

THREE STEPS  
1. RELEASE  
2. INHALE  
3. EXHALE

DIAPHRAGMATIC BREATH

DIAPHRAGMATIC BREATH

THINK BREATHE SPEAK

DIRECTIVE THOUGHT

Dr. Raghendra... pooja

Dr. Raghendra Kumar Sagarika Patnaik 66 40 58 Janine Kaspe... Anshu Patel 66 40 58 Janine Kaspe... pooja

ChatBOT

AI

Dr. Raghendra... Anchors of IET

Dr. Raghendra Kumar Anshu Patel 66 40 58 Janine Kaspe... Anchors of IET

HOME PHOTOS CO-ORDINATOR BLOG CONTACT

HOME PHOTOS CO-ORDINATOR BLOG CONTACT

**MoU between GIET University and CSC Council**  
12/01/2025

**GIET University, Gunupur**

In Collaboration with

**Indo-American Council  
of Emerging Technologies**

**Inaugurating the  
AI Student Chapter**

Date: 8/01/2025

Proposal – 2025 –  
0925-01

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\*Contact for payment details or pay using the online payment facility at the time of registration

\*All the faculties or students or institutions must register the members online

\*Taxes, shipping, handling, and other fees may apply. We reserve the right to cancel orders arising from pricing or other errors.

Sign:



Jan 18th, 2024

Name: Mr Charu Pelnekar, Founder & CEO  
Ms Sagarika Patnaik, Chief Growth Officer  
Organization: CSC Council ICET.ai/  
Address: e-InnoSec Consulting LLP, Office  
No.1113 -1116, Solus Building, Hiranandani  
Estate, Thane West, 400607  
Contact Details:  
Email: [charu\\_pel@einnosec.com](mailto:charu_pel@einnosec.com) /  
[sagarika.p@cscouncil.org](mailto:sagarika.p@cscouncil.org) /  
Phone: +1 (512) 947-4751 / 8652524781

Sign:



Dr. NVJ Rao  
Registrar  
GIET University, Gunupur  
Address: GIET University, Gunupur-785022,  
Odisha, India

Contact Details:  
Email: [registrar@giet.edu](mailto:registrar@giet.edu)  
Phone: 9437044170

Industrial Talk on Generative AI  
24 January 2025



# Industrial Talk on Generative AI (GAI)

24 January 2025

Organised by  
AIML Club and AI Chapter  
Department of Computer Science and Engineering  
GIET University, Gunupur-765022



**Ms. Aruna Agrawal**  
Associate Director  
Technology, Lagozon Technology  
Pvt. Ltd. USA



**Dr. Manisa Vashisht**  
HOD, CSE  
Echelon Institute of Technology  
Faridabad, India

The screenshot shows a Zoom meeting interface. The main content is a presentation slide for Lagozon.ai, which includes the Microsoft Partner and Qlik Partner logos, the company name 'LAGOZON.ai', and contact information for three offices: New Delhi, Singapore, and Cary, NC. The slide also features 'Get started' and 'Start Slide' buttons. On the right side of the meeting, there is a video feed of Ms. Aruna Agrawal. At the bottom, the Zoom control bar shows a list of participants: Satyaajeet Patra, S.Ramana Red..., Omkar Padhy, ramisettil sivar..., Tester, Tanisha Gaur, 22CSEAIML07..., Pabitra Nayak, 22 others, and Raghvendra A... The meeting time is 5:02 PM and the ID is ogd-mnhc-chz.

**The Internship Experience: Concept to Creation**

- \*Executable Code → Executable code in a virtual environment.
- \*Implementation of Code → Implementation of code with quality, scope, and format.
- \*Popular Framework and Tool → Framework and tools as per use case.
- \*Result-oriented Approach in Code → Workflow-oriented code.
- \*Review is listened but not implemented → Process is not listened to until review is implemented.
- \*Exposure to New Tech is merriment → Exposure to new tech is moderate merriment.

**Our Gen AI Product Offerings**

DBQUERY.AI Database Assistant

INTELLIDOC.AI Documents Assistant

Techniques & Technologies:

RAG (Retrieval, Augmentation, Generation) framework	Large Language Models (GPT, OpenAI, Hugging Face)	Frameworks (LangChain, LlamaIndex)	Dynamic Prompt Engineering	Vector databases (ChromaDB, Pinecone etc.)	Databases (Snowflake, SQL Server, PostgreSQL)
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**Electronics & ICT Academy, Indian Institute of Technology  
Roorkee**  
**One Week Faculty Development Program on  
Artificial Intelligence, Machine Learning and Deep Learning**

**Organized by**  
Department of Computer Science and Engineering  
GIET University, Gunupur-765022 (Hub)  
& ABIT Cuttack (Spoke)  
*13 January 2025 to 17 January 2025*

<b>Inaugural Ceremony Agenda (13/01/2025)</b>	
09:30 AM – 09:35 AM	Inviting the Guests to the Dias
09:35 AM-09:40 AM	Welcome address by Workshop Coordinator <b>Dr. Raghvendra Kumar</b> , GIET University
09:40 AM-09:45AM	Address by Dy. Dean, Computational Sciences <b>Dr. K M Gopal</b> , GIET University
09:45 AM-09:50 AM	Address by Principal, ABIT Cuttack <b>Dr. LeenaSamantaray</b> , Principal, ABIT Cuttack
09:50 AM-10:00 AM	Address by Professor, ECE Department, IIT Roorkee& Chief Investigator <b>Dr. SanjeevManhas</b> , IIT Roorkee
10:00 AM-10:10AM	Address by Guest and Expert <b>Dr. Sandeep Sandha</b> , Co-founded SimpleMindSchool

\*Google Meet Link: <https://meet.google.com/uvk-fxaj-kju>

The inaugural ceremony of the One Week Faculty Development Program commenced on January 13, 2025, at GIET University. The ceremony began with a warm invitation to the dignitaries and guests to take their places on the dais. Dr. Raghvendra Kumar, from GIET University, extended a heartfelt welcome to all participants, guests, and resource persons. He highlighted the objectives of the program, emphasizing the significance of Artificial Intelligence, Machine Learning, and Deep Learning in academia and industry. Dr. K M Gopal, Deputy Dean of Computational Sciences at GIET University, delivered an insightful speech focusing on the evolving landscape of computational sciences and the pivotal role of AI and ML in shaping the future. Dr. Leena Samantaray, Principal of ABIT Cuttack, shared her thoughts on the importance of fostering collaborations and providing faculty members with opportunities to upskill and contribute to cutting-edge technological advancements. Dr. Sanjeev Manhas, Professor at IIT Roorkee and Chief Investigator of the Electronics & ICT Academy, provided a comprehensive overview of the program's goals. He stressed the role of FDPs in bridging the gap between academic research and industry needs. Dr. Sandeep Sandha, co-founder of Simple Mind School, concluded the inaugural session with a thought-provoking speech on the transformative potential of AI in solving real-world challenges and fostering sustainable development.

9:25 AM | uvk-fxaj-kju

Participants (from top-left to bottom-right):

- Tanushree Bharti
- Jubilee Patel
- D leena Samant...
- GIETUNIVERSIT...
- Ankit Khandel...
- Renu Sin More options
- Smrutiranjn D...
- Akanksha Gupta
- Dr. Niharika Th...
- Na Deep
- Sudhir Tiwary
- Aashi Jain
- Dr. Krishna kav...
- Amandeep kaur
- Prasanth Badhri
- Sonalika Saman...
- akankshya Das
- Suman Prasad
- Sonam Barfung...
- Sumit Kumar M...
- smita samentar...
- Monalisa Moha...
- Dengeti Sriniva...
- Pratap Kumar ...
- Rashmi Swain
- Shakti Mohanty
- DIPTI PRAVA S...
- Sucheta Pradhan
- Dr. Amaresh Sa...
- Anita Jaware
- SANTOSH SAHU
- Sunil Lenka
- 23ceaim059 a...
- Neha Jee
- vesanti gaud
- Chinmayee Rout
- PUSTAK ACAD...
- Soumya Sidhar...
- Malini Arun
- Shibani Tripathy
- bharat veerla
- Dr. Rajesh Kum...
- HoD I
- Dr. Raghvendra Kumar

9:25 AM | uvk-fxaj-kju

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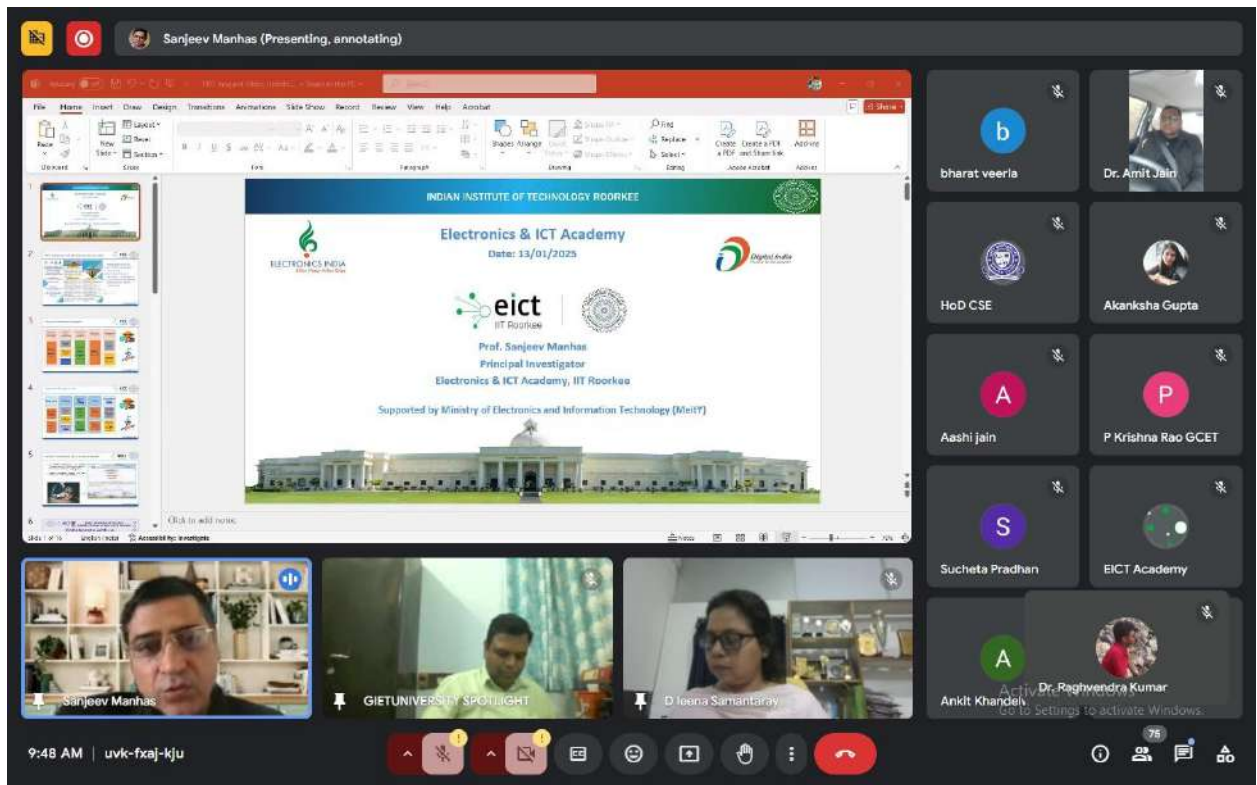
9:39 AM | uvk-fxaj-kju

Participants in Gallery View (from top-left to bottom-right):

- Sanjeev Manhas
- GIETUNIVERSITY SP
- HoD CSE
- Akanksha Gupta
- Aashi Jain
- P Krishna Rao GCET
- bharat veerla
- Sucheta Pradhan
- EICT Academy
- Dr. Raghvendra Kumar

9:39 AM | uvk-fxaj-kju

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### Time Table

Time	Day 1 13/01/2025	Day 2 14/01/2025	Day 3 15/01/2025	Day 4 16/01/2025	Day 5 17/01/2025
09:00AM-11:00AM	Expert lecture from IIT Roorkee Dr. Sandeep Sandha	<b>Lecture 3</b> AI in Business Automation (SS)	<b>Lecture 5</b> Explainable AI (XAI) (BS)	<b>Lecture 7</b> ML for Natural Language Processing (NLP) (SKP)	<b>Lecture 9</b> DL for Healthcare (LS)
11:00AM-01:00PM	<b>Lab Session</b> Dr. Sandeep Sandha	<b>Lab Session</b> Multilingual Speech emotions detection (SB)	<b>Lab Session</b> Custom dataset with multiple predictors (NM)	<b>Lab Session</b> Object Detection Using YOLO for Autonomous Vehicles (SKP)	<b>Lab Session</b> Implementing Differential Privacy in Machine Learning Models (MV)
03:00PM-05:00PM	<b>Lecture 2</b> Supervised Learning: Regression Techniques with R Language (SKP) – (05:00PM-07:00PM)	<b>Lecture 4</b> Generative AI (AD)	<b>Lecture 6</b> Deep Learning Algorithm (SPS)– (05:00PM-07:00PM)	<b>Lecture 8</b> AI for sustainable development - smart cities, agriculture and climate change (KS)	<b>Lecture 10</b> Data Privacy and Security in AI and ML (KMG)
05:00PM-07:00PM	<b>Lab Session</b> Regression techniques in supervised learning using R (SKP)—(07:00PM-09:00PM)	<b>Lab Session</b> Multilingual Speech emotions detection (SB)	<b>Lab Session</b> Data Analysis using deep learning algorithm (SPS)— (07:00PM-09:00PM)	<b>Lab Session</b> Lane Detection Using Deep Learning (AS)	<b>Quiz</b> <b>Valedictory</b>

SS: Dr. Sandeep Sandha, SimpleMindSchool

SKP: Dr. Sanjaya Kumar Panda, Asst. Professor, Department of CSE, NIT Warangal

SS: Dr. SrinivasSethi, Professor, Department of Computer Science Engineering & Applications, IGIT Sarang

SB: Dr. Sudipta Bhattacharya, Department of CSE & IT, Bengal Institute of Technology  
 SPS: Dr. SandipanSahu, Department of CSE & IT, Bengal Institute of Technology  
 LS: DrLeenaSamantaray, Professor, ABIT  
 KMG: Dr. K M Gopal, GIET University, Gunupur  
 BS: Dr. BanditaSahu, BJU, Bhubaneswar  
 AD: Dr. AnkurDumka, Dean (academics and research) and HoD (CSE), Women institute of technology (govt. College), Dehradun, Uttarakhand  
 KS: Dr. K.Saravanan, Department of Computer Science and Engineering, Anna University,Chennai-25  
 NM: Dr. Nidhi Malik, Northcap University  
 AS: Dr Ashok Sharma, University of Jammu  
 MV: Dr. ManishaVashisht, HoD, CSE, EIT Faridabad  
 Day 1  
 Dr. Sandeep Sandha, IIT R and SimpleMindSchool  
**Topic:LLM**

The screenshot displays a Zoom meeting interface. The main content is a presentation slide titled "Prophet Tuning Example.ipynb". The slide features a line chart with four data series: "Train Series" (blue), "Test GroundTruth" (orange), "Predictions Default" (green), and "Predictions Tuned" (red). The chart shows a clear upward trend in the data over time, with the "Predictions Tuned" series closely following the "Test GroundTruth".

Below the chart, there is a table titled "BibTeX" showing performance metrics for various models and organizations. The table has the following columns: Model, Organization, Global Average, Precision Average, Recall Average, Mathematics Average, Data Analysis Average, Language Average, and F1 Average.

Model	Organization	Global Average	Precision Average	Recall Average	Mathematics Average	Data Analysis Average	Language Average	F1 Average
facebook-prophet-2024-1102	Anthropic	58.03	56.07	67.13	62.38	66.09	53.76	60.30
facebook-prophet-2024-1102	Anthropic	56.74	57.17	60.05	54.32	56.87	53.21	58.01
gpt-4o-2024-09-19	OpenAI	57.76	72.35	49.16	61.99	57.40	40.90	49.80
gemini-exp-1121	Google	57.36	49.02	49.70	63.76	40.35	40.30	40.15
gpt-4o-2024-05-13	OpenAI	56.00	62.17	47.39	46.77	50.72	44.90	50.88
gpt-4o-2024-08-05	OpenAI	55.02	55.02	61.44	43.64	50.01	47.80	50.08
gemini-1.5-pro-002	Google	54.41	40.07	50.00	45.08	61.37	40.00	48.21
gpt-4o-1101	OpenAI	54.00	49.08	48.90	60.07	54.87	45.00	50.76
gpt-4o-1101	OpenAI	54.00	54.00	45.44	54.88	54.43	45.84	49.63
gemini-1.5-pro-exp-0827	Google	53.29	50.02	41.43	50.00	50.00	45.11	49.28
meta-llama-3.1-405b-instruct-hf	Meta	52.36	63.25	42.68	47.06	55.85	45.40	50.90
gpt-4o-2024-11-05	OpenAI	52.16	56.74	46.08	43.87	56.15	47.37	54.94
gemini-1.5-pro-exp-0827	Google	50.19	43.02	46.07	47.77	54.87	41.98	48.18
facebook-prophet-2024-1102	OpenAI	51.80	60.00	47.44	42.45	57.00	45.30	49.37
gemini-1.5-pro-exp-0827	Meta	51.44				51.81	34.99	44.29

Dr. Sanjaya Kumar Panda, Asst. Professor, Department of CSE, NIT Warangal

## Topic: Regression Techniques and R

The image shows a Zoom meeting interface with two main content areas and a participant list on the right.

**Top Content Area (Presentation):**

Dr. Sanjaya Kumar Panda - NIT Warangal (Presenting, annotating)

The presentation displays a regression analysis table and calculations:

Student ID	$x_i$	$y_i$	$x_i - \bar{x}$	$y_i - \bar{y}$	$(x_i - \bar{x})(y_i - \bar{y})$	$(x_i - \bar{x})^2$
1	95	85	17	8	136	289
2	85	95	7	18	126	49
3	80	70	2	-7	-14	4
4	70	65	-8	-12	96	64
5	60	70	-18	-7	126	324
					470	730

Calculations shown:

$$\bar{x} = \frac{95 + 85 + 80 + 70 + 60}{5} = \frac{390}{5} = 78$$

$$\bar{y} = \frac{85 + 95 + 70 + 65 + 70}{5} = \frac{385}{5} = 77$$

$$a = \frac{470}{730}$$

$$b = \bar{y} - a\bar{x}$$

Regression equation:  $y = ax + b$

**Bottom Content Area (Jupyter Notebook):**

Dr. Sanjaya Kumar Panda - NIT Warangal (Presenting, annotating)

```

In[ ]:
1 x=c(95,85,80,70,60)
2 y=c(85,95,70,65,70)
3 relation=lm(y~x)
4 print(relation)

```

Console Output:

```

R 4.1.1 - /jupyter
> x=c(95,85,80,70,60)
> y=c(85,95,70,65,70)
> relation=lm(y~x)
> print(relation)

Call:
lm(formula = y ~ x)

Coefficients:
(Intercept)          x
 26.7808         0.6438

```

**Participant List (Right Side):**

- Dr. Sanjaya Kumar P...
- AMRITA DASH
- Suhalla Kk
- Prasanth Badhri
- sasm'ta nayak
- pabak mohapatra
- vasanti gaud
- Debakanta Behera
- 49 others
- GIETUNIVERSITY SP...

System messages: "Activate Windows. Go to Settings to activate Windows."

Meeting controls at the bottom show the time as 17:44 and 18:09, and the topic as "Artificial Intelligence, Machine Learning an..."

Day 2

Dr. SrinivasSethi, Professor, Department of Computer Science Engineering & Applications, IGIT Sarang  
Topic: AI in Business Automation

The image displays two screenshots of a Google Meet presentation. The top screenshot shows a slide titled "AI in Business Automation" by Dr. Srinivas Sethi, Professor at CSEA, IGIT Sarang. The bottom screenshot shows a slide titled "Benefits of Artificial Intelligent (AI) in Business Automation" with a bulleted list of advantages.

**AI in Business Automation**

DR. Srinivas Sethi, Professor  
CSEA, IGIT Sarang

**Benefits of Artificial Intelligent (AI) in Business Automation**

- Increased Efficiency
- Improved Accuracy
- Error Reduction
- Increasing work experience
- Enhanced Customer Experience
- Digital Assistance
- Cost Savings
  - Reduce cost of training and operation
- Scalability


Dr. AnkurDumka, Dean (academics and research) and HoD (CSE), Women institute of technology (govt. College), Dehradun, Uttarakhand

Topic: Generative AI

The image shows a Zoom meeting interface. At the top, the title bar indicates 'Ankur Dumka (Presenting, annotating)'. The main content area is split into two parts. The upper part displays a presentation slide with the following text: 'GENERATIVE AI: UNLOCKING CREATIVE POTENTIAL', 'PRESENTED BY DR. ANKUR DUMKA', 'ASSOCIATE PROFESSOR', 'DEAN (ACADEMIC & RESEARCH) & HOD (CSE)', and 'WOMEN INSTITUTE OF TECHNOLOGY, DEHRADUN'. The lower part of the main area shows a browser window displaying the Google Cloud website. The website content includes: 'Build what's next in generative AI', 'Try Gemini 2.0 models, the latest and most advanced multimodal models in Vertex AI. See what you can build with up to a 2M token context window, starting as low as \$0.0001.', 'More ways you can build and scale with Google Cloud', and three promotional cards: 'Try Gemini Code Assist to accelerate developer productivity', 'Get a \$1,000 credit for Vertex AI Agent Builder', and 'Start your next project with 20+ free products'. On the right side of the Zoom window, a grid of participant thumbnails is visible, including Dr. Krishna kavitha, Raghendra Agrawal, Prateek Singhal, Ravi Kant, PUSTAK ACADEMY, Ankur Dumka, Dr. Amit Jain, Prasanth Kumar, and 45 others. The Zoom control bar at the bottom shows the time as 15:05 and 15:59, and the meeting title as 'Artificial Intelligence, Machine Learning a...'. A system notification at the top right says 'To exit full screen, press Esc'.

Dr. Sudipta Bhattacharya, Department of CSE & IT, Bengal Institute of Technology


Topic: Multi-lingual Speech Emotion Detection using Deep Learning



# Multi-lingual Speech Emotion Detection Using Deep Learning

This presentation explores the application of deep learning for multi-lingual speech emotion detection, highlighting the challenges, techniques, and advancements in this field.

by **DR.SUDIPTA BHATTACHARYA**  
Bengal Institute of Technology, Kolkata  
Techno India Group



Participant list:

- SUDIPTA BHAT...
- Prasanth Kumar
- Dr. Manju Arora
- PUSTAK ACAD...
- Prateek Singhal
- annapurna sah...
- P Sudheer Babu
- AMRITA DASH
- P Krishna Rao ...
- Renu Singhanla
- 42 others
- GIETUNIVERSIT...

11:02 | Artificial Intelligence, Machine Learning and Dee... 

# Introduction to Speech Emotion Recognition (SER)

<h3>Understanding Emotions</h3> <p>SER aims to automatically identify emotions expressed through spoken language.</p>	<h3>Applications</h3> <p>SER finds application in diverse fields, including human-computer interaction, mental health monitoring, and personalized learning.</p>
---	--



Participant list:

- SUDIPTA BHAT...
- Prasanth Kumar
- Dr. Manju Arora
- PUSTAK ACAD...
- Prateek Singhal
- annapurna sah...
- P Sudheer Babu
- AMRITA DASH
- P Krishna Rao ...
- Renu Singhanla
- 43 others
- GIETUNIVERSIT...

11:03 | Artificial Intelligence, Machine Learning and Dee... 

The image displays two screenshots of a Zoom meeting. The top screenshot shows a Jupyter Notebook titled 'RAVDESS\_ASR\_LSTM\_Project\_2024.ipynb'. The code in the notebook includes:

```
from google.colab import drive
drive.mount('/content/drive', force_remount=True)

Mounted at /content/drive

import torch
import torch.nn as nn
import torch.nn.functional as F
import torch.optim as optim

device = torch.device("cuda" if torch.cuda.is_available() else "cpu")
print("Device available for running: ")
print(device)
```

The bottom screenshot shows the Kaggle website page for the 'RAVDESS Emotional speech audio' dataset. The page includes a search bar, a 'Data Card' tab, and a 'Code' tab. The 'Code' tab is active, showing the following text:

**File naming convention**

Each of the 1440 files has a unique filename. The filename consists of a 7-part numerical identifier (e.g., 03-01-06-01-02-01-12.wav). These identifiers define the stimulus characteristics:

**Filename identifiers**

- Mutuality (01 = full-AV, 02 = video-only, 03 = audio-only).
- Vocal channel (01 = speech, 02 = song).
- Emotion (01 = neutral, 02 = calm, 03 = happy, 04 = sad, 05 = angry, 06 = fearful, 07 = disgust, 08 = surprised).
- Emotional intensity (01 = normal, 02 = strong). NOTE: There is no string intensity for the 'neutral' emotion.

Both screenshots show a Zoom meeting interface with a grid of participants on the right and a meeting title 'Artificial Intelligence, Machine Learning an...' at the bottom.

Day 3: Dr. BanditaSahu, BJU, Bhubaneswar  
Topic: XAI Building trust and Transparency in AI

Dr. Bandita Sahu (Presenting, annotating)

# Explainable AI (XAI)

## Building Trust and Transparency in AI

Dr. Bandita Sahu  
Bandita.sahu@gmail.com

1/15/2025 EXPLAINABLE AI 4

```
graph LR; TD[Train Data] --> M((Model)); TD --> XAI((XAI LIME/SHAP)); M --> P[Predictions]; M --> XAI; SO[Single Observation] --> M; XAI --> E[Explanation];
```

09:03 | Artificial Intelligence, Machine Learning a...

09:10 | Artificial Intelligence, Machine Learning a...

Dr. Bandita Sahu

Dr. Bandita Sahu

Raghendra Ag... Debakanta Beh... Ankit Khandel... Smittaranjandu... Lopamudra Pru... Dr. Sasmita Ma... Dr. Niharika Th... 22 others

Raghendra Ag... Debakanta Beh... Ankit Khandel... Smittaranjandu... Lopamudra Pru... Sashibhusan N... PUSTAK ACAD... 29 others

Dr. Nidhi Malik, Northcap University  
**Topic:** Predictive Analysis

The screenshot displays a Zoom meeting in progress. The main content is a presentation slide from Dr. Nidhi Malik, a faculty member at The NorthCap University. The slide is titled "Predictive Analysis: Custom Datasets and Multiple Predictors" and lists an agenda of topics to be discussed. The meeting interface includes a top toolbar with icons for chat, mute, and video, and a bottom toolbar with icons for mute, video, chat, and other controls. A grid of participant avatars is visible on the right side of the screen.

**Presentation Slide Content:**

### Predictive Analysis: Custom Datasets and Multiple Predictors

Dr. NIDHI MALIK  
THE NORTHCAP UNIVERSITY  
GURUKRAM

#### AGENDA

- Understanding Predictors in a Dataset
- Building a Custom Dataset
- Analyzing the Dataset
- Modeling with Multiple Predictors
- Challenges and Best Practices
- Case Study Discussion
- Conclusion and Q&A

Dr. SandipanSahu, Department of CSE & IT, Bengal Institute of Technology

**Topic: Fundamentals of Deep Learning Techniques**

The screenshot displays a Zoom meeting interface with a presentation slide titled "Foundations of Deep Learning Models" by Dr. Sandipan Sahu. The slide lists his affiliation as Bengal Institute of Technology, Kolkata, Techno India Group. The meeting controls at the bottom show the time as 17:04. A second screenshot shows a slide titled "Cost Functions" with a table of O/P Neurons and their corresponding values:

O/P Neurons	Value
0	0.43
1	0.28
2	0.18
3	0.72
4	0.01
5	0.64
6	0.88
7	0.63
8	0.28
9	0.99

The third screenshot shows a slide titled "LSTM" with a "Step-by-Step LSTM Walk Through" section. It includes a diagram of an LSTM cell and the equations for the input gate layer:

$$i_t = \sigma(W_i \cdot [h_{t-1}, x_t] + b_i)$$

$$\tilde{C}_t = \tanh(W_C \cdot [h_{t-1}, x_t] + b_C)$$

The meeting controls at the bottom show the time as 18:25.

**Day 4:**Dr. Sanjaya Kumar Panda, Asst. Professor, Department of CSE, NIT Warangal  
**Topic:** Data Visualization Techniques

Dr. Sanjaya Kumar Panda (Presenting, annotating)

## Data Visualization Techniques

**Dr. Sanjaya Kumar Panda**  
IEEE Senior Member and CSI & ACM Distinguished Speaker

Assistant Professor  
Department of Computer Science and Engineering  
**National Institute of Technology, Warangal**  
(An Institute of National Importance under MHRD, Govt. of India)  
Warangal - 506004, Telangana, India  
Mobile No.: +91-9861126947  
Email: sanjaya[ at ] gmail [ dot ] com  
sanjaya [ at ] nitw [ dot ] ac [ dot ] in  
[Google Scholar](#) [DBLP](#) [YouTube](#)

09:04 | Artificial Intelligence, Machine Learning a...

Dr. Sanjaya Kumer Panda (Presenting, annotating)

### Different Types of Analysis

Different types of analysis for data visualization

- Univariate Analysis
  - We will be using a single feature to analyze almost all of its properties.
- Bivariate Analysis
  - When we compare the data between exactly 2 features then it is bivariate analysis.
- Multivariate Analysis
  - We will be comparing more than 2 variables.

09:19 | Artificial Intelligence, Machine Learning a...

Participants: Deepanshu Parnami, mayuri pohane, Suhalla Kk, Smrutiranj Dash, Raghvendra Agrawal, Dr. Sanjaya Kumar P..., Lopamudra Prusty, Shibani Tripathy, madhu patra, Neha Jain, SANTOSH SAHU, Shakti Mohanty.

Dr. Sanjaya Kumar Panda (Presenting, annotating)

To exit full screen, press `Esc`

```

1 x=c(21,62,10,53)
2 labels=c("London", "New York", "Singapore", "Mumbai")
3 p1percent=round(100*x/sum(x),1)
4 png(f1file="city_percentage_legends.jpg")
5 pie(x,labels,names="city",pie.chart",col=rainbow(length(x)))
6 legend("topright",c("London", "New York", "Singapore", "Mumbai"),f1file)

```

Environment: R 4.1.3 (64-bit) x64\_ubuntu20.04

Files: Files, Plots, Packages, Help, Viewers, Presentation

User Library:

Name	Description	Version
abind	Combine Multidimensional Arrays	1.4-5
base64enc	Base64 Encoding	1.4-1
base64enc	Tools for base64 encoding	0.1-3
binio	Basic R Input Output	1.1-3
broom	Convert Statistical Objects into Tidy Tibbles	1.0.5
cachem	Cache R Objects with Automatic	1.0.2

09:46 | Artificial Intelligence, Machine Learning a...

Dr. Sanjaya Kumar Panda (Presenting, annotating)

total revenue

Month	X (Green)	Y (Red)	Z (Blue)	Total Revenue
Jan	2	3	6	11
Feb	9	8	2	19
Mar	3	7	8	18
Apr	11	3	10	24
May	9	12	10	31

10:20 | Artificial Intelligence, Machine Learning a...

41 others

Activate Windows  
Go to Settings to activate Windows.

GIETUNIVERSITY SP...

Dr. K.Saravanan, Department of Computer Science and Engineering, Anna University, Chennai-25  
**Topic:** AI for Sustainable development-Smart cities, agriculture and climate change

**AI FOR SUSTAINABLE DEVELOPMENT - SMART CITIES, AGRICULTURE AND CLIMATE CHANGE**

Dr. Saravanan K  
Associate Professor,  
Department of Computer science and Engineering,  
College of Engineering Guindy,  
Anna University Chennai.

**Urbanization Rate, in %, Global, 1950 - 2050\***

Year	Urbanization Rate (%)
1950	29.6
1970	36.6
1990	43
2015	53.9
2030	60.4
2050	68.4

Source: United Nations Department of Economic and Social Affairs

Dr Ashok Sharma, University of Jammu  
Topic: ALTAIR AI Tool

The image shows a Zoom meeting interface with two main content areas. The top area displays the Orange3 data science software interface, which is currently empty with the message: "Your process looks empty. Add some data first. Drag data or operators here." The bottom area shows a presentation slide with a table of Titanic data and a list of preprocessing steps.

**Table 1: Titanic Data**

First	Allison, Miss...	Male	0.917	1	2	113781	151.550	C21 C56	Southampton	11	Yes
First	Allison, Miss...	Female	2	1	2	113781	151.550	C21 C56	Southampton	13	No
First	Allison, Mr...	Male	38	1	2	113781	151.550	C21 C56	Southampton	13	No
First	Allison, Mr...	Female	25	1	2	113781	151.550	C21 C56	Southampton	13	No
First	Anderson, ...	Male	41	0	0	10952	26.550	E32	Southampton	3	Yes

**Text on Slide:**

2. We need to preprocess the data missing value outlier etc
3. We decide target attribute [Survive]  
*Design survival prediction model using Titanic data*
4. Split Data into Two Parts  
Training Part and Testing  
1309 80% percent for Training  
20% Testing

## Day 5

DrLeenaSamantaray, Professor, ABIT

Topic: Deep Learning in Healthcare

Dr. Leena Samantaray (Presenting, annotating)

# Deep Learning in Healthcare

Prof. Leena Samantaray  
Principal & Professor  
Electronics and Communication Engineering  
Ajay Binay Institute of Technology, Cuttack

---

## AI vs ML vs DL vs DS

Enable machine to think

- Supervised
- Unsupervised
- Reinforced

- ANN
- CNN
- RNN
- Advanced Learning
  - Transfer
  - Incremental

9:38 AM | Artificial Intelligence, Machine Learning and D...

9:39 AM | Artificial Intelligence, Machine Learning and D...

Dr. ManisaVashisht,

Topic : Shaping the future: Ethical and Responsible AI for Educators and Researchers

The image shows a Microsoft Teams meeting interface. The main window displays a presentation slide titled "Faculty Development Program" with the subtitle "Shaping the Future: Ethical and Responsible AI for Educators and Researchers". The presenter is identified as Prof. (Dr.) Manisha Vashisht, Head of Department – Computer Science & Engineering at Echelon Institute of Technology, Faridabad, Haryana. The slide includes logos for eict and other institutions, and a "Get started" button.

The second slide, shown at the bottom, poses the question: "If an AI system makes a wrong decision—like misdiagnosing a disease or denying a loan—who should be held accountable: the developer, the user, or the organization deploying it?"

On the right side, a grid of participant avatars is visible. The participants listed include: Manisha Vashisht, Dr. Krishna kavitha Ac..., Dr. Leena Samantaray, Mayuri Arvind Pohane, Prasanth Badhri, Adesh Chaudhary, Prasanta Kumar Sahoo, 51 others, Raghendra Agrawal, Prasanta Kumar Sahoo, Dr. Krishna kavitha Ac..., Dr. Leena Samantaray, Mayuri Arvind Pohane, Prasanth Badhri, Adesh Chaudhary, 49 others, and Raghendra Agrawal. The meeting title at the bottom is "Artificial Intelligence, Machine Learning and ...".

Dr. K M Gopal, GIET University, Gunupur  
 Topic: Introduction to Differential Privacy

DR. KAKITA MURALI GOPAL (Presenting, annotating)

**Introduction to Differential Privacy**  
Balancing Data Utility and Privacy

Participants: DR. KAKITA MURALI..., Rajalaxmi Panda, Prasanth Badhri, 23SDCS29\_Chalapa..., Jubilee Patel, Sucheta Pradhan, Akanksha Gupta, Smrutiranjana Dash, 26 others.

15:11 | Artificial Intelligence, Machine Learning an...

DR. KAKITA MURALI GOPAL (Presenting, annotating)

**What is Differential Privacy?**

- Differential Privacy (DP) is a mathematical framework to protect individual data privacy during analysis.
- Key Point: Allows insights without revealing sensitive individual information.

Participants: DR. KAKITA MURALI..., Rajalaxmi Panda, Prasanth Badhri, Sucheta Pradhan, 23SDCS29\_Chalapa..., Jubilee Patel, Akanksha Gupta, Smrutiranjana Dash, 27 others.

15:12 | Artificial Intelligence, Machine Learning an...







### Registered Participants

S/No.	Email Address	Mobile Number	Where do you want to attend from?	Name of the Applicant (to be printed on certificate)	Organization/Institute/College Name (to be printed on certificate)
1	skumar.hans.sk@gmail.com	9149404030	GIET University, Gunupur (Hub)	Sachin Kumar	Department of Computer Science and IT, University of Jammu
2	bharatbharat.veerla@giet.edu	9966200881	GIET University, Gunupur (Hub)	BHARAT VEERLA	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY
3	abhijitgogoi@dibru.ac.in	8133960854	GIET University, Gunupur (Hub)	ABHIJIT GOGOI	Dibrugarh University
4	jitendra.gardia@opju.ac.in	7008110413	GIET University, Gunupur (Hub)	Mr. JITENDRA KUMAR GARDIA	O.P. JINDAL UNIVERSITY, RAIGARH
5	rupachandu86@gmail.com	9398344639	GIET University, Gunupur (Hub)	Roopa Devi Chandanala	GIET, Gunupur
6	swathi.akula15@gmail.com	9490306561	GIET University, Gunupur (Hub)	AkulaSwathi	GIET university
7	kolluru10@gmail.com	9848610090	GIET University, Gunupur (Hub)	Kollurusankarsastry	GayatriVidyaparishad college for degree and pg courses (A)
8	amit.kumar@poornima.org	7615000100	GIET University, Gunupur (Hub)	AMIT KUMAR	POORNIMA COLLEGE OF ENGINEERING
9	sashibhusannayak.cs@ravenshawuniversity.ac.in	9437135590	Ajay Binay Institute of Technology, Cuttack (Spoke)	SASHIBHUSAN NAYAK	RAVENSHAW UNIVERSITY CUTTACK
10	ntulasiraju.cse@swarnandhra.ac.in	9640877358	GIET University, Gunupur (Hub)	NETHALA TULASIRAJU	SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY
11	sumitkumar.mallick@abit.edu.in	6371817855	Ajay Binay Institute of Technology, Cuttack (Spoke)	Sumit Kumar Mallick	Ajay Binay Institute of Technology
12	dangetisrinivasarao@giet.edu	9493745820	GIET University, Gunupur (Hub)	DangetiSrinivasa Rao	GIET university
13	rachakonda.srinivas@giet.edu	7013911263	GIET University, Gunupur (Hub)	RachakondaSrinivas	GIET, GUNUPUR, ODISHA
14	ravikumar.gurugubelli@giet.edu	9010463666	GIET University, Gunupur (Hub)	GurugubelliRavikumar	Chaitanya engineering college
15	pratibha.lanka@giet.edu	8500091624	GIET University, Gunupur (Hub)	PRATIBHA LANKA	GayatriVidyaParishad College for Degree and PG Courses(A)
16	malini.raju2@gmail.com	9070034222	GIET University, Gunupur (Hub)	Dr. R. Malini	Inderprastha Engineering College, Ghaziabad
17	prasanthbadhri15@gmail.com	9010842295	GIET University, Gunupur (Hub)	DudduPrasanth Kumar	Acharya Nagarjuna University
18	bhaskar.m@mlrinstitutions.ac.in	9703333896	GIET University, Gunupur (Hub)	BhaskarMekala	MLR Institute of Technology
19	sabitha.p@mallareddyuniversity.ac.in	08008463700	GIET University, Gunupur (Hub)	P.SABITHA	GIET UNIVERSITY,GUNUPUR
20	BIJAYKML@gmail.com	7016636332	GIET University, Gunupur (Hub)	Bijay Kumar Kushwaha	GIET University, Gunupur (Hub)
21	chaitanya.p001@gmail.com	9985025997	GIET University, Gunupur (Hub)	ChaitanyaPampana	GIET University, Gunupur

22	avinash4vvit@gmail.com	8125550300	GIET University, Gunupur (Hub)	BUARADGUNTA AVINASH	VASIREDDY VENKATADRI INSTITUTE OF TECHNOLOGY
23	geethacse.brau@gmail.com	8790986909	GIET University, Gunupur (Hub)	B VYSAGEETHA	GIET University, Gunupur
24	prateeksinghal2031@gmail.com	8960061347	GIET University, Gunupur (Hub)	PrateekSinghal	Christ (Deemed to be University)
25	pattapuchalapathi.rao@giet.edu	9492248872	GIET University, Gunupur (Hub)	PattapuChalapathi Rao	Gandhi Institute of Engineering and Technology University
26	jamijanardhana.rao@giet.edu	9396262695	GIET University, Gunupur (Hub)	JANARDHANARAO JAMI	Sri Venkateswara College of Engineering & Technology
27	bkchinna.asstprof2022@gmail.com	9885527397	GIET University, Gunupur (Hub)	BERAGERI KURUVA CHINNA MADDILETI	GIET UNIVERSITY GUNUPUR
28	pkrishnarao.cse@gcet.edu.in	9948330248	GIET University, Gunupur (Hub)	KRISHNARAO PATWARI	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD
29	shibani.tripathy@giet.edu	9556385672	GIET University, Gunupur (Hub)	ShibaniTripathy	GIET University
30	kadamati.dileepkumar@giet.edu	8179045564	GIET University, Gunupur (Hub)	KADAMATI DILEEP KUMAR	MVGR COLLEGE OF ENGINEERING
31	venkatamaheshamujuru@gmail.com	7893450469	GIET University, Gunupur (Hub)	A VenkataMahesh	Miracle Educational Society Group of Institutions
32	bantu.mahesh@giet.edu	7032567432	GIET University, Gunupur (Hub)	bantu mahesh	GIET
33	dasakankshya99@gmail.com	08847822835	Ajay Binay Institute of Technology, Cuttack (Spoke)	AKANKSHYA DAS	Ajay Binay Institute of Technology, Cuttack
34	drmpraharaj@gmail.com	9937174843	Ajay Binay Institute of Technology, Cuttack (Spoke)	Dr. Manoj Kumar Praharaj	Ajay Binay Institute of Technology, Cuttack, Odisha
35	amaresh_sahu@yahoo.com	9861071090	Ajay Binay Institute of Technology, Cuttack (Spoke)	Dr.AmareshSahu	Ajay Binay Institute of Technology
36	debakanta.behera@abit.edu.in	9861344399	Ajay Binay Institute of Technology, Cuttack (Spoke)	DebakantaBehera	Ajay Binay Institute of Technology Cuttack
37	babar.ali@miet.ac.in	8860311736	GIET University, Gunupur (Hub)	KUNWAR BABAR ALI	MEERUT INSTITUTE OF ENGINEERING & TECHNOLOGY, MEERUT
38	rajesh_sahoo@rediffmail.com	9437142376	Ajay Binay Institute of Technology, Cuttack (Spoke)	Dr. Rajesh Kumar Sahoo	Ajay Binay Institute of Technology
39	palden73@gmail.com	9434867624	Ajay Binay Institute of Technology, Cuttack (Spoke)	SonamPaldenBarfungpa	Advanced Technical Training Centre
40	niharika.thakur@chitkara.edu.in	09464951964	GIET University, Gunupur (Hub)	Dr. Niharika Thakur	Chitkara University, Punjab
41	sam_smita66@rediffmail.com	8763928795	Ajay Binay Institute of Technology, Cuttack (Spoke)	SmitaSamantray	SmitaSamantaray
42	jee.neha20@gmail.com	9778819898	Ajay Binay Institute of Technology, Cuttack (Spoke)	NEHA JEE	Ajay Binay Institute of Technology
43	amalendu.bag@gmail.com	9090080832	Ajay Binay Institute of Technology, Cuttack (Spoke)	AMALENDU BAG	EINSTEIN ACADEMY OF TECHNOLOGY AND MANAGEMENT BHUBANESWAR
44	shaktibhakti007@gmail.com	7978964153	Ajay Binay Institute of Technology, Cuttack (Spoke)	Shakti Prasad Mohanty	AJAY BINAY INSTITUTE OF TECHNOLOGY
45	pateljublee@gmail.com	9000994604	Ajay Binay Institute of Technology, Cuttack (Spoke)	Jublee Patel	Ajay Binay Institute of Technology, Cuttack
46	krishnakavitha.acharya@abit.edu.in	9439253422	Ajay Binay Institute of Technology, Cuttack (Spoke)	Dr. KRISHNA KAVITHA ACHARYA	Ajay Binay Institute of technology, cuttack
47	lopa.lipina@gmail.com	8093304763	Ajay Binay Institute of Technology, Cuttack (Spoke)	Lopamudraprusty	ABIT
48	prasantini.iter@gmail.com	9853536400	Ajay Binay Institute of Technology, Cuttack (Spoke)	PrasantiniSamal	Ajay Binay Institute of Technology

49	soumyasidmsd7@gmail.com	7978600770	Ajay Binay Institute of Technology, Cuttack (Spoke)	SOUMYA SIDHARTHA RAY	AJAY BINAY INSTITUTE OF TECHNOLOGY
50	evita25bhowmik@gmail.com	8981703826	Ajay Binay Institute of Technology, Cuttack (Spoke)	EVITA BHOWMIK	AJAY BINAY INSTITUTE OF TECHNOLOGY
51	sasmita.lina@yahoo.com	8249093015	Ajay Binay Institute of Technology, Cuttack (Spoke)	SASMITA MANJARI NAYAK	AJAY BINAY INSTITUTE OF TECHNOLOGY
52	diptiprava29@gmail.com	9962775900	Ajay Binay Institute of Technology, Cuttack (Spoke)	DIPTI PRAVA SAHU	BijuPatnaik University of Technology
53	jyoti.4049@gmail.com	8895230924	Ajay Binay Institute of Technology, Cuttack (Spoke)	JYOTI RANJAN SAHOO	AJAY BINAY INSTITUTE OF TECHNOLOGY
54	akm.mahapatra@gmail.com	7978460043	Ajay Binay Institute of Technology, Cuttack (Spoke)	ASHOK KUMAR MAHAPATRA	AJAY BINAY INSTITUTE OF TECHNOLOGY
55	pratap.champati@abit.edu.in	7978397745	Ajay Binay Institute of Technology, Cuttack (Spoke)	PRATAP KUMAR CHAMPATI	AJAY BINAY INSTITUTE OF TECHNOLOGY
56	rajalexmpanda85@gmail.com	7873968733	Ajay Binay Institute of Technology, Cuttack (Spoke)	Rajalaxmi Panda	AJAY BINAY INSTITUTE OF TECHNOLOGY, CUTTACK
57	chinmayee.rout@abit.edu.in	7978631210	Ajay Binay Institute of Technology, Cuttack (Spoke)	Chinmayee Rout	Ajay Binay Institute of Technology
58	santoshkumparpandava@gmail.com	9966586725	Ajay Binay Institute of Technology, Cuttack (Spoke)	SANTOSHKUMAR PANDAVA	AJAY BINAY INSTITUTE OF TECHNOLOGY
59	smashdash_2000@yahoo.com	9437140125	Ajay Binay Institute of Technology, Cuttack (Spoke)	SMRUTI RANJAN DASH	SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL
60	amritadash2000@gmail.com	7735185532	Ajay Binay Institute of Technology, Cuttack (Spoke)	Miss Amrita Dash	Parala Maharaja Engineering College (P.M.E.C), Berhampur
61	chinkydebadarshini@gmail.com	7788809604	Ajay Binay Institute of Technology, Cuttack (Spoke)	ChinkiDebadarshiniBehera	Ajay Binay institute of Technology
62	suchetapradhan@yahoo.com	9853310553	Ajay Binay Institute of Technology, Cuttack (Spoke)	Sucheta Pradhan	Ajay Binay Institute of Technology.
63	manju.arora@jimsindia.org	09968284440	GIET University, Gunupur (Hub)	Dr.Manju Arora	Jagan Institute of Management Studies
64	subhrajyotibehura@gmail.com	8018932966	Ajay Binay Institute of Technology, Cuttack (Spoke)	SubhrajyotiBehura	Ajay Binay Institute of Technology
65	nsdeep121@gmail.com	9938039059	Ajay Binay Institute of Technology, Cuttack (Spoke)	Narasingh Deep	Ajay Binay Institute of Technology
66	sks020684@gmail.com	9938521671	Ajay Binay Institute of Technology, Cuttack (Spoke)	SANTOSH KUMAR SAHU	SUBAS INSTITUTE OF TECHNOLOGY
67	sonalikasamanataray813@gmail.com	08144856424	Ajay Binay Institute of Technology, Cuttack (Spoke)	SonalikaSamantaray	Ajay Binay Institute Of Technology, Cuttack
68	sunita.panda03@gmail.com	9437415020	Ajay Binay Institute of Technology, Cuttack (Spoke)	SUNITA PANDA	SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL
69	manini.n07iitkgp@gmail.com	9338814407	Ajay Binay Institute of Technology, Cuttack (Spoke)	ANNAPURNA SAHOO	AJAY BINAY INSTITUTE OF TECHNOLOGY
70	leena_sam@rediffmail.com	9861181558	Ajay Binay Institute of Technology, Cuttack (Spoke)	DrLeenaSamantaray	Ajay Binay Institute of Technology
71	sanu.sanata@gmail.com	7008422247	Ajay Binay Institute of Technology, Cuttack (Spoke)	SANATA KUMAR SWAIN	AJAY BINAY INSTITUTE OF TECHNOLOGY
72	smittaranjandutta@gmail.com	7979735132	Ajay Binay Institute of Technology, Cuttack	SMITTA RANJAN DUTTA	Ajay Binay Institute and Technology

			(Spoke)		
73	rashmiswain02@gmail.com	9337578373	Ajay Binay Institute of Technology, Cuttack (Spoke)	RashmiRekha Swain	Ajay Binay Institute of technology
74	pabakmohapatra@gmail.com	9338899950	Ajay Binay Institute of Technology, Cuttack (Spoke)	PABAK MOHAPATRA	AJAY BINAY INSTITUTE OF TECHNOLOGY, CUTTACK
75	lingaraj.sray@gmail.com	8249688608	Ajay Binay Institute of Technology, Cuttack (Spoke)	LINGARAJ SAMANTARAY	AJAY BINAY INSTITUTE OF TECHNOLOGY, CUTTACK
76	23cseaiml017.bodalaharshit@giet.edu	9437840020	GIET University, Gunupur (Hub)	BodalaHarshit	GIET UNIVERSITY
77	amarmajhi143@gmail.com	9040209194	Ajay Binay Institute of Technology, Cuttack (Spoke)	Amar Majhi	Ajay Binay Institute of Technology, Cuttack, Odisha, India
78	23cseaiml059.adityamishra@giet.edu	08280140085	GIET University, Gunupur (Hub)	Aditya Mishra	GIETU GUNUPUR
79	23cseaiml059.adityamishra@giet.edu	08280140085	GIET University, Gunupur (Hub)	Aditya Mishra	Gietgunupur
80	23cseaiml063.sanskarprasad@giet.edu	8249721660	GIET University, Gunupur (Hub)	Sanskar Prasad	GIETU, GUNUPUR
81	prasadsuman800@rediffmail.com	7504160447	Ajay Binay Institute of Technology, Cuttack (Spoke)	SumanSourav Prasad	Ajay Binay Institute Of Technology
82	23cseaiml039.kiranpatel@giet.edu	9937711115	GIET University, Gunupur (Hub)	KIRAN PATEL	Gandhi Institute of Engineering and Technology
83	23cseaiml195.subhammeher@giet.edu	7735557835	GIET University, Gunupur (Hub)	SubhamMeher	GIET UNIVERSITY, GUNPUR
84	sujitbehera9979@gmail.com	9090794194	Ajay Binay Institute of Technology, Cuttack (Spoke)	Sujit Kumar Behera	Ajay Binay Institute Of Technology
85	23cseaiml037.majjirohit@giet.edu	6371315735	GIET University, Gunupur (Hub)	MajjiRohit	GIETU
86	monalisa.mohanty@abit.edu.in	7978590178	Ajay Binay Institute of Technology, Cuttack (Spoke)	MONALISA MOHANTY	ABIT
87	slenka55@gmail.com	9861794748	Ajay Binay Institute of Technology, Cuttack (Spoke)	SUNIL LENKA	AJAY BINAY INSTITUTE OF TECHNOLOGY
88	satinder1026cse.phd24@chitkara.edu.in	9914470931	GIET University, Gunupur (Hub)	Satinderkaur	Chitkara University
89	m.samal766@gmail.com	9658030988	Ajay Binay Institute of Technology, Cuttack (Spoke)	ManasSamal	Ajay Binay Institute Of Technology
90	prasantasahoocs@gmail.com	7008788411	Ajay Binay Institute of Technology, Cuttack (Spoke)	PRASANTA KUMAR SAHOO	SUBAS INSTITUTE OF TECHNOLOGY
91	shubhalaxmi.mohapatra@abit.edu.in	9861330729	Ajay Binay Institute of Technology, Cuttack (Spoke)	Dr. ShubhalaxmiMohapatra	Ajay Binay Institute of Technology
92	bikashchandra_ds@yahoo.co.in	9861264149	Ajay Binay Institute of Technology, Cuttack (Spoke)	Bikash Chandra Das	Ajay Binay Institute of Technology,Cuttack



**An Initiative of Ministry of  
Electronics & Information  
Technology (MeitY)  
Government of India  
A Faculty Development Program**

On  
**Artificial Intelligence,  
Machine Learning and Deep Learning**

**13/1/2025 to 17/1/2025**

Under the aegis of  
**Electronics & ICT Academy IIT Roorkee**  
In the collaboration with

**GIET University, Gunupur (Hub)  
and Ajay Binay Institute of Technology  
Cuttack (Spoke)**



**Why this course?**

The Faculty Development Program aims to enhance the knowledge and skills of faculty members in the rapidly evolving fields of Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL). It is designed to bridge the gap between academic teaching and practical applications of AI technologies in research and industry.

**Objectives of the course**

- To provide faculty members with a comprehensive understanding of the foundational concepts and principles of Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL).
- To familiarize faculty with the latest trends, technologies, and real-world applications of AI, ML, and DL across various industries, ensuring their teaching remains relevant to contemporary requirements.
- To empower educators with strategies for effectively integrating AI and ML topics into existing curricula, making complex concepts accessible to students.
- To foster an interdisciplinary and collaborative environment among participants, encouraging the exchange of ideas and potential partnerships for academic projects and industry collaborations.



**Focus Areas**

- Fundamentals of AI, ML, and DL
- Machine Learning Algorithms
- Advanced Machine Learning and Optimization
- Deep Learning Essentials
- Natural Language Processing (NLP): Text Preprocessing, Word Embeddings, and Sentiment Analysis
- Generative Adversarial Networks (GANs): Architecture and Applications
- Explainable AI (XAI): Importance and Tools
- AI for Sustainable Development: Smart Cities Agriculture, and Climate Change
- Deploying AI Models on Cloud Platforms: AWS, Google Cloud, and Azure
- AI Ethics: Fairness, Bias, and Responsible AI
- Current Trends in AI: Edge AI, Federated Learning, and Quantum AI
- Future Directions in AI Research and Development

**Prerequisites**

No experience is required, but fundamental knowledge of any programming language would be helpful.

**Course Features**

- 40 Hours of Lectures, Hands-on & Pedagogy/ Industry sessions
- Lectures from Expert Speakers, Hands-on from industry/Academia experts
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

**Who Should Register?**

Any Interested Faculty/PhD-Scholars UG/PG/ & Industry Persons can register.

These FDPs can be considered in alignment with other Quality Improvement Programs (QIP) as well as NBA and NAAC for recognition/credit.



**Registration Fee**

Fees: ₹ 250/participant, non-refundable (Applicable for all)  
Note: Refund will be done in case of course cancellation only, within 20 working days  
How to make Payment: <https://eict.iitr.ac.in/instruction-for-payment/>  
Conference Code: EICTIITR-FDP-25-02  
Registration Link: <https://forms.gle/2oCqiuJLWuST76n8>

**Accommodation**



Accommodation on a sharing basis will be provided based on the availability of guest rooms on a paid basis.

Accommodation charge: (INR 1200/day/person)  
Contact - sibofromgiет@giet.edu (9437234031) for booking

**Principal Investigator**

Prof. Sanjeev Manhas, ECE Department, IIT Roorkee

**Course Coordinators**

Dr. Raghendra Kumar, CSE Department  
GIET University

**Course Co-coordinators**

Mr. Sudheer Babu.P, CSE Department, GIET University  
Mr. G V S Narayana, CSE Department, GIET University

**Spoke Course coordinator details**

Prof. (Dr.) Leena Samantray, Principal, ABIT, Cuttack  
Mobile No -91-9861181558  
E- Mail: [leena.samantray@abit.edu.in](mailto:leena.samantray@abit.edu.in)/  
[leena\\_sam@radiffmail.com](mailto:leena_sam@radiffmail.com)

**Spoke Course Co-Coordinator details**

Dr. Shree Kanungo  
Mobile No - 9556716167  
E - Mail: [shree.kanungo@abit.edu.in](mailto:shree.kanungo@abit.edu.in)

**Reach Us:**

Prof. Sanjeev Manhas, ECE Department, IIT Roorkee  
Mobile Number: +91-8112766397  
+91-1332286457  
Email ID: [eict@iitr.ac.in](mailto:eict@iitr.ac.in)

Dr. Raghendra Kumar, CSE Department  
GIET University  
Mobile Number: +91-7804068698  
Email ID: [raghvendra@giet.edu](mailto:raghvendra@giet.edu)

Prof. (Dr.) Leena Samantray, Principal, ABIT, Cuttack  
Mobile No -91-9861181558  
E- Mail: [leena.samantray@abit.edu.in](mailto:leena.samantray@abit.edu.in)/  
[leena\\_sam@radiffmail.com](mailto:leena_sam@radiffmail.com)

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 [gietuniversitygunupur](https://www.instagram.com/gietuniversitygunupur)

**Electronics & ICT Academy, Indian Institute of Technology  
Roorkee**

**One Week Faculty Development Program on  
Image Processing and Pattern Recognition**

**Organized by**

Department of Computer Science and Engineering  
GIET University, Gunupur-765022 (Hub)  
& ABIT Cuttack (Spoke)


*21 January 2025 to 25 January 2025*

<b>Inaugural Ceremony Agenda (21/01/2025)</b>	
09:30 AM – 09:35 AM	Inviting the Guests to the Dias
09:35 AM-09:40 AM	Welcome address by Workshop Coordinator <b>Dr. Raghvendra Kumar</b> , GIET University
09:40 AM-09:45AM	Address by Dy. Dean, Computational Sciences <b>Dr. K M Gopal</b> , GIET University
09:45 AM-09:50 AM	Address by Principal, ABIT Cuttack <b>Dr. Leena Samantaray</b> , Principal, ABIT Cuttack
09:50 AM-10:00 AM	Address by Professor, ECE Department, IIT Roorkee & Chief Investigator <b>Dr. Sanjeev Manhas</b> , IIT Roorkee
10:00 AM-10:10AM	Address by Guest and Expert <b>Dr. Raksha Sharma</b> , IIT Roorkee


\*Google Meet Link: <https://meet.google.com/uvk-fxaj-kju>

The inaugural ceremony for the Faculty Development Program (FDP) on Image Processing and Pattern Recognition was conducted on 21st January 2025 with a structured and engaging agenda. Dr. Raghvendra Kumar from GIET University formally welcomed the dignitaries, experts, and participants. He emphasized the significance of the program in advancing academic and practical knowledge in the domain of image processing and pattern recognition. Dr. K M Gopal, GIET University, addressed the gathering and highlighted the collaborative efforts of GIET University and ABIT Cuttack in hosting this program. He underscored the importance of computational sciences in modern technology. Dr. Leena Samantaray, Principal of ABIT Cuttack, extended her gratitude to IIT Roorkee's Electronics & ICT Academy for their support and shared her vision for the academic benefits the program would bring to the spoke institution and participants. Dr. Sanjeev Manhas from IIT Roorkee delivered an insightful address focusing on the relevance of image processing and pattern recognition in various research and industrial applications. He outlined the objectives of the Electronics & ICT Academy in promoting faculty upskilling. Dr. Raksha Sharma, an expert from IIT Roorkee, shared her thoughts on the advancements and interdisciplinary nature of image processing and pattern recognition. She encouraged the participants to actively engage and leverage the program's content for their research and teaching endeavors. The Faculty Development Program aimed to provide an in-depth understanding of image processing and pattern recognition techniques, focusing on their theoretical and practical aspects. It fostered knowledge exchange between academia and experts from IIT Roorkee, helping participants stay abreast of cutting-edge developments in the field.

09:37 | uvk-fxaj-kju






Sanjeev Manhas




09:52 | uvk-fxaj-kju

### Why Faculty Development Programs





<p style="font-size: small;">Stay Updated with Emerging Technologies</p> <div style="background-color: #f4a460; padding: 10px; margin-top: 5px;"> <p style="font-size: x-small;">AI, Machine Learning, Blockchain, AR/VR, IoT, 5G etc</p> </div>	<p style="font-size: small;">Bridge the Industry-Academia Gap</p> <div style="display: flex; flex-direction: column; gap: 5px; margin-top: 5px;"> <div style="background-color: #d9d9d9; padding: 5px; font-size: x-small;">Connect with Industry Experts</div> <div style="background-color: #f4a460; padding: 5px; font-size: x-small;">Understand Industry Trends</div> <div style="background-color: #4a86e8; padding: 5px; font-size: x-small;">Real-world Applications of Technologies</div> </div>	<p style="font-size: small;">Foster Innovative Teaching Approaches</p> <div style="background-color: #76c730; padding: 10px; margin-top: 5px;"> <p style="font-size: x-small;">NEP, 2020</p> <p style="font-size: x-small;">Enhance Learning Experiences with Technology</p> </div>	<p style="font-size: small;">Curriculum Development</p> <div style="background-color: #f4a460; padding: 10px; margin-top: 5px;"> <p style="font-size: x-small;">Integrate Emerging Technologies in Curriculum</p> </div>	<p style="font-size: small;">Collaboration and Networking</p> <div style="display: flex; flex-direction: column; gap: 5px; margin-top: 5px;"> <div style="background-color: #d9d9d9; padding: 5px; font-size: x-small;">Interaction Among Educators</div> <div style="background-color: #f4a460; padding: 5px; font-size: x-small;">Sharing Best Practices and Experiences</div> </div>	
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I I T ROORKEE



Sanjeev Manhas



Dr. Leena Samantaray



Time	Day 1 21/01/2025	Day 2 22/01/2025	Day 3 23/01/2025	Day 4 24/01/2025	Day 5 25/01/2025
09:00AM-11:00AM	Dr. Raksha Sharhma	<b>Lecture 3</b> Dr. Deepak Ranjan Nayak	<b>Lecture 5</b> Dr.S.Kanithan	<b>Lecture 7</b> Dr. Vijay Bhaskar Semwal	<b>Lecture 9</b> Dr. Deepak Ranjan Nayak
11:00AM-01:00PM	<b>Lab Session</b> Dr. Dushyant Kumar Singh	<b>Lab Session</b> Mr. Vaibhav C. Gandhi	<b>Lab Session</b> Dr. Vijay Bhaskar Semwal	<b>Lab Session</b> Dr. Abhimanyu Sahu	<b>Lab Session</b> Neural Signal Processing for AI Dr. Deepak Joshi
03:00PM-05:00PM	<b>Lecture 2</b> Current Trends opportunities in Image Processing Dr. Abhishek Gupta	<b>Lecture 4</b> Dr. Dushyant Kumar Singh	<b>Lecture 6</b> Dr. Rutuparna Panda	<b>Lecture 8</b> Mr. Vaibhav C. Gandhi	

05:00PM-07:00PM	<b>Lab Session</b> Food Image Classification based on GI Category using Image Processing and Pattern Recognition Dr. Rahul Kumar Chaurasiya	<b>Lab Session</b> Exploring Supervised and Unsupervised Learning: From Theory to Practice Prof. Dr. R. Sujatha	<b>Lab Session</b> Dr. Vijay Bhaskar Semwal	<b>Lab Session</b> Prof. Dr. R. Sujatha A Comprehensive Introduction to Deep Learning	<b>Lecture 10</b> Dr. Sanjaya Kumar Panda,
					<b>Quiz and Assessment</b>



### Time Table

SKP: Dr. Sanjaya Kumar Panda, Asst. Professor, Department of CSE, NIT Warangal  
 LS: Dr Leena Samantaray, Professor, ABIT  
 KMG: Dr. K M Gopal, GIET University, Gunupur  
 AG: Dr. Abhishek Gupta, Senior Scientist, CSIR-Central Scientific Instruments Organisation, Chandigarh  
 Dr. Rutuparna Panda, Former Professor, ECE Dept., VSS Univ of Technology, Burla  
 Dr. Deepak Ranjan Nayak, Department of Computer Science & Engineering, MNIT, Jaipur  
 Mr. Vaibhav C. Gandhi, Department of Computer Engineering, CVM University, Gujarat  
 Prof. Dr. R. Sujatha, Professor, School of Computer Science Engineering and Information Systems (SCORE), VIT Vellore, India  
 Dr.S.Kanithan, Jain University, India  
 Dr. Vijay Bhaskar Semwal, Maulana Azad National Institute of Technology, Bhopal (MANIT Bhopal)  
 Dr. Dushyant Kumar Singh, Associate Professor, MNNIT Allahabad

Dr. Rahul Kumar Chaurasiya, MNIT Bhopal  
Dr. Deepak Joshi, IIT Delhi  
Dr. Raksha Sharhma, IIT Roorkee  
Dr. Abhimanyu, Sahu MANIT Allahabad

Day 1

Session 1: Dr. Raksha Sharhma, IIT Roorkee

Topic: Machine Learning and Deep Learning

The image shows a Zoom meeting interface with two slides. The top slide is titled "Machine Learning and Deep Learning" and features a woman's face, a green matrix-style code, and a robot. The bottom slide is titled "What Is Machine Learning?" and defines it as a field of study that gives computers the ability to learn without being explicitly programmed, quoting Arthur Samuel from 1959. The meeting interface shows participants like Raksha Sharma, Raghendra Agrawal, Sanjeev Manhas, and others.

**Slide 1: Machine Learning and Deep Learning**  
By Dr. Raksha Sharma (CSE, IIT Roorkee)

**Slide 2: What Is Machine Learning?**  
Field of study that gives "computers the ability to learn without being explicitly programmed"  
-- Arthur Samuel, 1959  
By Dr. Raksha Sharma (CSE, IIT Roorkee)

Session 2: Dr. Dushyant Kumar Singh, Associate Professor, MNNIT Allahabad

Topic: Computer Vision: An Introduction

The image shows a Zoom meeting interface. The main window displays a presentation slide from Motilal Nehru National Institute of Technology Allahabad. The slide title is "Computer Vision: An Introduction" by Dr. Dushyant Kumar Singh, Department of CSE, MNNIT Allahabad. The slide content includes:

- Header: मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद / Motilal Nehru National Institute of Technology Allahabad
- Text: An Institute of National Importance as Declared by NIT Act, GOI, 2007
- Section: Computer Vision: An Introduction
- Author: Dr. Dushyant Kumar Singh, Department of CSE, MNNIT Allahabad, dushyant@mnnit.ac.in, https://mnnit.ac.in/profile/dushyant

The second slide, titled "Object Detection", lists the following points:


- Characteristics of objects used to classify object of interest from rest other objects in the scene.
- Object Features
  - Object shape/size/texture features
    - For human detection, these could be face/pedestrians features
  - Object motion features

The Zoom interface shows a grid of participants including Raghendra Ag..., Dr. Leena Sarma..., EICT Academy, Dr. Manoj Kum..., AMRITA DASH, G.V.S. Narayana, Indrajeet Kumar, 21 others, and GIETUNIVERSIT... The time is 11:04. A second screenshot below shows the same meeting at 11:43, with the presentation slide advanced to the "Object Detection" slide. The participant grid now shows 28 others and GIETUNIVERSITY SP...

Session 3: Dr. Abhishek Gupta, Senior Scientist, CSIR-Central Scientific Instruments Organisation, Chandigarh  
Topic: Current Trends and Opportunities in Image Processing

Abhishek Gupta (Presenting, annotating)

## Current Trends and Opportunities in Image Processing



**Dr. Abhishek Gupta**  
 Senior Scientist, Biomedical Applications Division  
 Central Scientific Instruments Organisation [www.csio.res.in]  
 A constituent of Council of Scientific and Industrial Research (CSIR)  
 [www.csir.res.in]  
 Ministry of Science & Technology, Government of India  
 Sec-30 C, Chandigarh-160030  
 Email: abhishekgupta@csio.res.in

Abhishek Gupta

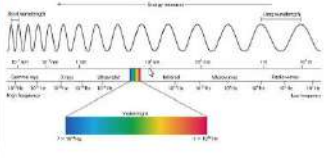
Raghendra Ag... | Dr. Ritesh Dash | Ashok Vardan | Dr. Manoj Kum... | Dr. Manaswini J... | G.V.S. Narayana | Yerra AKASH | 13 others | GJETUNIVERSIT...

15:04 | uvk-fxaj-kju

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## Imaging applications as per electromagnetic spectrum

S. No.	Band of the electromagnetic spectrum	Type of imaging	Applications
1.	Radio	MRI (Magnetic Resonance Imaging)	Diagnosis and Treatment planning
2.	Microwave	Ultrasound imaging	Diagnosis and Treatment planning, Tumour ablation,
3.	Infrared	IR Spectroscopy, Thermal imaging	Cell visualization, Molecular diagnostic modality, Monitoring of temperature pattern of body
4.	Visible	Visible imaging	Skin disease diagnosis, Blue light treatment of neonatal jaundice, Face beautification
5.	Ultraviolet	Fluorescence spectroscopy	Cell visualization, sterilize medical instruments,
6.	X-Ray	X-ray imaging, CT, CBCT	Diagnosis and Treatment planning, surgery of body
7.	Gamma	Gamma Imaging	Diagnosis and Treatment planning, Cancer identification



Abhishek Gupta, "Current research opportunities of image processing and computer vision", Journal of Computer Science 20(4) 2019: 387-410  
<https://doi.org/10.7494/jcs.2019.20.4.3163>

21-01-2025 | Dr. Abhishek Gupta, abhishekgupta@csio.res.in

Abhishek Gupta

Raghendra Ag... | Dr. Ritesh Dash | Ashok Vardan | Dr. Manoj Kum... | Dr. Manaswini J... | G.V.S. Narayana | 14 others | GJETUNIVERSIT...


15:06 | uvk-fxaj-kju

Session 4: Dr. Rahul Kumar Chaurasiya, MNIT Bhopal

Topic: Food Image classification based on GI Category using image processing and pattern recognition

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

## Food Image Classification based on GI Category using Image Processing and Pattern Recognition

  
**Dr. Rahul Kumar Chaurasiya**  
 Associate Professor  
[rkchaurasiya.19@gmail.com](mailto:rkchaurasiya.19@gmail.com)  
[rkchaurasiya@manit.ac.in](mailto:rkchaurasiya@manit.ac.in)  
 Dept. Electronics and Communication Engineering  
 MANIT Bhopal

---

### Why you might follow a low-GI diet?

- Want to lose weight or keep a healthy weight
- Need help planning and eating healthier meals
- Need help keeping blood sugar levels from going too high or low as part of a diabetes treatment plan
- Want to lower risk of diabetes or diseases of the heart

**Research shows that a low-GI diet may be helpful for:**

- Losing weight
- Lowering blood pressure
- Lowering total cholesterol levels
- Improving diabetes management
- Lowering the risk of diabetes and heart and blood vessel diseases

Food Image Classification - R.K. Chaurasiya

The meeting interface includes a top bar with the presenter's name 'Rahul Chaurasiya (Presenting, annotating)', a bottom toolbar with icons for mute, video, chat, and other functions, and a right-hand panel showing a grid of participant avatars. A notification at the bottom left states 'Lingaraj Samantaray can now join this meeting'.

Day 2

Session 5: Dr. Deepak Ranjan Nayak, Department of Computer Science & Engineering, MNIT, Jaipur  
 Topic: Learning based image processing and computer vision: An Overview

The image shows a Zoom meeting interface. The top portion displays a presentation slide with the following text:

**Learning-based Image Processing and Computer Vision: An Overview**

**Dr. Deepak Ranjan Nayak**  
 Department of Computer Engineering  
 Malaviya National Institute Technology, Jaipur

The bottom portion of the image shows a gallery of participants. The participants listed are:

- Raghvendra Agrawal
- Deepak Ranjan Nayak (highlighted)
- Dr. Shubhalaxmi Mo...
- Jublee Patel
- Yerra AKASH
- Nilachakra Dash
- Abhijit Gogoi
- G.V.S. Narayana
- 15 others
- GIETUNIVERSITY SP...

The bottom screenshot shows a presentation slide titled "Research @VAPR Lab, MNIT" with a grid of research topics:

- Fundus Image Analysis
- Skin Cancer Detection
- Brain Tumor Detection
- Breast Cancer Detection
- Optical Character Recognition
- Facial Expression Recognition
- Indian Food Image Recognition
- Hyper-spectral Image Classification
- Video Anomaly Detection

Session 6: Mr. Vaibhav C. Gandhi, Department of Computer Engineering, CVM University, Gujarat  
 Topic: Expert Lab Session: Image Processing and CNN Training for Medical Diagnosis

The screenshot shows a Zoom meeting interface. At the top, the meeting title is "Vaibhav Gandhi (Presenting, annotating)". The main content is a presentation slide from a slide show application. The slide features logos for "eict IT Roorkee" and "CVM UNIVERSITY". The text on the slide reads:

**One Week Faculty Development Program on Image Processing and Pattern Recognition**  
 (From 23rd January to 29th January 2025)

**Expert Lab Session: Image Processing and CNN Training for Medical Diagnosis**

**Vaibhav C. Gandhi**  
 Assistant Professor | MBIT  
 The Charutar Vidya Mandal (CVM) University  
 Anand, Gujarat - India

The slide is titled "Image Augmentation and Normalization" and contains the following text:

**Image Augmentation and Normalization**

**Augmentation:**

- Techniques: Rotation, width/height shifts, shearing, zoom, and horizontal flips.
- Ensures model generalization by introducing variability.

**Normalization:**


- Scales pixel values to [0, 1] range to improve model performance

The Zoom interface includes a participant list on the right with names like Vaibhav Gandhi, Raghendra Agrawal, Saroj Kumar Behera, Dr. Shubhalaxmi Mo..., Yerra AKASH, Rajesh Kumar, DR. RANU GUPTA, and Mr. Premansu Sekh... The bottom of the screen shows the Zoom control bar with a timestamp of 11:06 and the meeting ID uvk-fxaj-kju.

Session 7: Dr. Dushyant Kumar Singh, Associate Professor, MNNIT Allahabad  
 Topic: Towards Deep Learning

15:41 | uvk-fxaj-kju

dushyant FACULTY (Presenting, annotating)



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद  
Motilal Nehru National Institute of Technology Allahabad  
An Institute of National Importance as Declared by NIT Act, GOI, 2007

## Towards Deep Learning

Dr. Dushyant Kumar Singh  
Department of Computer Science & Engineering  
MNNIT Allahabad

Activate Windows  
Go to Settings to activate Windows.

Raghvendra Agrawal

dushyant FACULTY

Dr. Ritesh Dash

AMRITA DASH

Jubilee Patel

Rajesh Kumar

Mr. Premansu Sekh...

rabinrayan panda

13 others

GIETUNIVERSITY SP...

15:59 | uvk-fxaj-kju

dushyant FACULTY (Presenting, annotating)

Arthur Samuel (1959).  
*Machine learning is the field of study that gives computers the ability to learn without being explicitly programmed.*

Machine learning is about the construction and study of systems that can learn from data. This is very different from traditional computer programming.

**Traditional Programming**

```

    graph LR
      subgraph Traditional
        direction LR
        D1[Data] --> C[Computer]
        P1[Program] --> C
        C --> O1[Output]
      end
      subgraph MachineLearning
        direction LR
        D2[Data] --> C2[Computer]
        O2[Output] --> C2
        C2 --> P2[Program]
      end
  
```

**Machine Learning**

Activate Windows  
Go to Settings to activate Windows.

dushyant FACULTY

Prasanth Badhri

TULASI N

AMRITA DASH

Shibani Tripathy

Raghvendra Agrawal

Jubilee Patel

Rajesh Kumar

16 others

GIETUNIVERSITY SP...

Session 8: Prof. Dr. R. Sujatha, Professor, School of Computer Science Engineering and Information Systems (SCORE), VIT Vellore, India  
Topic: ML Objectives and Image Processing

Dr. Sujatha Radhakrishnan (Presenting, annotating)

To exit full screen, press **Esc**

## ML Objectives

Increase in Data Generation

Uncover patterns and trends in data

Improve decision making

Solve Complex problems

22-01-2025 Dr. Sujatha Radhakrishnan, Professor, SCORE, Vellore Institute of Technology 5

17:29 | uvk-fxaj-kju

Dr. Sujatha Radhakrishnan (Presenting, annotating)

## Machine learning process

1. Define the **objective** of the Problem Statement
2. Data Gathering
  - What kind of data is needed to solve this problem?
  - Is the data available?
  - How can I get the data?
3. Data **Preparation-Missing values, Duplicate Values**
4. Exploratory Data Analysis-**understanding the patterns and trends**
5. Building a Machine Learning Model
6. Model Evaluation & Optimization-**parameter tuning and cross-validation**
7. Prediction/Regression/Clustering

22-01-2025 Dr. Sujatha Radhakrishnan, Professor, SCORE, Vellore Institute of Technology 6

Shibani Tripathy has left the meeting

17:31 | uvk-fxaj-kju

Activate Windows  
Go to Settings to activate Windows.

GIETUNIVERSITY SP...

Day 3  
 Session 9: Dr. K M Gopal, GIET University, Gunupur  
 Topic: Image Analysis

HoD CSE (Presenting, annotating)

A pixel represents a smallest unit that makes up any digital image

Creation of a Digital Image

Analog image      Digital Sampling      Pixel Quantization

Figure 1

Source: <http://hamamatsu.magnet.fsu.edu/articles/digitalimagebasics.html>

- Each pixel has a value between 0–255, representing the lightest and darkest parts of the image respectively.
- Note that this applies only to grey-scale or black and white images.

09:13 | uvk-fxaj-kju

HoD CSE (Presenting, annotating)

### Overview of Image Processing Basics

- Introduction to Image Processing
- Types of Image Processing
- Image Representation
- Image Acquisition
- Image Sampling
- Quantization
- Image Enhancement Techniques
- Spatial Domain Processing
- Frequency Domain Processing
- Filters in Image Processing

09:19 | uvk-fxaj-kju

HoD CSE

Raghendra Agrawal

22SDCS07\_DAYAKA...

G.V.S. Narayana

GKALYAN CHAKRA...

Shibani Tripathy

Jubilee Patel

Cse\_Sirisha

14 others

GIETUNIVERSITY SP...

CSE\_YesuJyothi

G.V.S. Narayana

GKALYAN CHAKRA...

Cse\_Sirisha

Nilanjan Bal

CSE\_Anjani Kranthi

22 others

GIETUNIVERSITY SP...

Session 10: Dr. Vijay Bhaskar Semwal, Maulana Azad National Institute of Technology, Bhopal (MANIT Bhopal)  
 Topic: Deep Learning

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

**Deep Learning**

**Dr. Vijay Bhaskar Semwal**  
Assistant professor  
Department of Computer Science & Engineering  
MANIT Bhopal

11:02 | uvk-fxaj-kju

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

**Nobel Prize**

Both Golgi (reticular theory) and Cajal (neuron doctrine) were jointly awarded the 1906 Nobel Prize for Physiology or Medicine, that resulted in lasting conflicting ideas and controversies between the two scientists.

1871-1873      1888-1891      1906

Reticular theory      Neuron Doctrine      Nobel Prize

11:07 | uvk-fxaj-kju

Session 11: Dr. Rutuparna Panda, Former Professor, ECE Dept., VSS Univ of Technology, Burla  
Topic: Quantum Image Processing

Quantum Image Processing

Prof. (Dr.) Rutuparna Panda

Former Professor  
Dept of Electronics and Telecommunication Engg.  
VSS University of Technology, Burla (Odisha)

The diagram illustrates the Quantum Image Processing (QIMP) scheme. It starts with a 'digital image to be processed' (a portrait of a woman) on the left. This image is converted into a quantum state  $|\psi_i\rangle$  through a 'classical-to-quantum interface'  $I_i$ . This state is then processed by a 'quantum computer', which is represented by a colorful, abstract image. The output is a quantum state  $|\psi_o\rangle$ , which is then converted back into a 'processed digital image' (another portrait of the same woman) through a 'quantum-to-classical interface'  $I_o$ .

Fig. 1. Scheme of Quantum Image Processing (QIMP)

Session 12: Dr. Vijay Bhaskar Semwal, Maulana Azad National Institute of Technology, Bhopal (MANIT Bhopal)  
Topic: Deep Learning techniques over image processing

The image displays two sequential screenshots from a Zoom meeting. The top screenshot shows a presentation slide titled "What is Gradient Descent?". The slide content includes:

- What is Gradient Descent?** Gradient Descent is an optimization algorithm commonly used in machine learning and deep learning to minimize the loss function by iteratively moving toward the direction of the steepest descent.
- Types of Gradient Descent**
  - Batch Gradient Descent: Batch Gradient Descent is great for convex or relatively smooth error manifolds.
  - Stochastic Gradient Descent: SGD can be used for larger datasets. It converges faster when the dataset is large as it causes updates to the parameters more frequently.
  - Mini Batch Gradient Descent: a mixture of Batch Gradient Descent and SGD.

The bottom screenshot shows a Jupyter Notebook titled "Gradient Descent.ipynb" with the following Python code:

```

1 import numpy as np
2 import matplotlib.pyplot as plt
3
4 # Cost functions and their gradients
5 def cost_function_1(x):
6     return x ** 2
7
8 def gradient_1(x):
9     return 2 * x
10
11 def cost_function_2(x):
12     return np.cos(2 * np.pi * x)

```

Both screenshots include a Zoom meeting interface with a participant list on the right and a control bar at the bottom. The participant list includes Dr. VIJAY BHASKAR SEMWAL, Raghendra Agrawal, CSE\_Santoshi Kanc..., Dr. Manaswini Jena, annapurna saho, Prasanth Badhri, srikanth reddymadi, and 23SDCS04\_Bhagyal... The control bar shows the time as 19:03 and 19:05, and the meeting ID as uvk-fxaj-kju.

Day 4


Session 13: Dr. Vijay Bhaskar Semwal, Maulana Azad National Institute of Technology, Bhopal (MANIT Bhopal)

Topic: Industrial IOT and Deep Learning (ML for Robotics, IoT and TinyML Applications)

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Industrial IoT and Deep Learning

(ML for robotics , IoT and TinyML Applications)






Dr. Vijay Bhaskar Semwal  
 Assistant Professor (CSE), MANIT Bhopal  
 Visiting Faculty-IIIT Bhopal  
 Presented at One Week ATAL FDP  
 On  
 "Image Processing and Pattern Recognition" at Faculty Development Program on AI, ML and DL @ GIET University,  
 Gunpur  
 24<sup>th</sup> January 2025

09:41 | uvk-fxaj-kju

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Traditional Robot Uses

1. Repetitive jobs that are boring and stressful for humans  

2. Menial tasks that human don't want to do  

3. Jobs that are dangerous for humans  


09:46 | uvk-fxaj-kju

Session 14: Dr. Abhimanyu, Sahu MANIT Allahabad  
 Topic: Image Segmentation

The image shows a Zoom meeting interface with a presentation on "Image Segmentation". The presentation content is as follows:

**Image Segmentation**

**Dr. Abhimanyu Sahu**  
 Assistant Professor  
 Department of CSE  
 MNNIT, Allahabad

**Table of Contents**

- 1 Introduction
  - 1.1 Digital Image Processing
  - 1.2 What is Image Segmentation?
  - 1.3 Problem Definition
  - 1.4 Methodology
- 2 Segmentation Techniques
  - 2.1 Discontinuity Based Segmentation
    - 2.1.1 Point and Line Detection
    - 2.1.2 Edge Detection
  - 2.2 Similarity Based Segmentation
    - 2.2.1 Thresholding Based Segmentation
    - 2.2.2 Region Based Segmentation
    - 2.2.3 Clustering Based Segmentation
- 3 Performance Evaluation
- 4 Color Image Segmentation
- 5 Conclusion

The meeting interface shows the presenter, Dr. Abhimanyu Sahu, and several participants including Raghendra Agrawal, Mr. Premansu Sekh..., K Princy Niveditha, Yerra AKASH, Dr. Ritesh Dash, and Shibani Tripathy. The time is 11:13 and 11:14.

Session 15: Mr. Vaibhav C. Gandhi, Department of Computer Engineering, CVM University, Gujarat  
 Topic: Expert Lab Session: Harnessing Convolutional Neural Networks for Advanced Image Processing and Enhancement

Valbhav Gandhi (Presenting, annotating)

## One Week Faculty Development Program on Image Processing and Pattern Recognition

(from 21th January to 25th January 2025)

### Expert Lab Session: Harnessing Convolutional Neural Networks for Advanced Image Processing and Enhancement

**Vaibhav C. Gandhi**  
Academicians | Researcher | Analyst | Mentor  
Assistant Professor | MBIT  
The Charutar Vidya Mandal (CVM) University  
Anand, Gujarat - India

**CVM UNIVERSITY**  
Aegis: Charutar Vidya Mandal (Estd.1945)

14:50 | uvk-fxaj-kju

---

Valbhav Gandhi (Presenting, annotating)

Machine Learning Parts

```

graph TD
    ML[Machine Learning] --> CF[Complimenting fields]
    ML --> PC[Problem Categories]
    ML --> E[Elements]
    ML --> TT[Technology & tool]
    ML --> LSF[Learning sub_fields]
    
    CF --> CF_Box["- Statistics  
- Computational Intelligence  
- Data Mining  
- Data Science  
- Artificial Intelligence"]
    PC --> PC_Box["- Classification  
- Clustering  
- Optimization  
- Regression"]
    E --> E_Box["- Learning  
- Algorithms  
- Data  
- Modeling  
- Insights"]
    TT --> TT_Box["- Julia  
- Python  
- Spark  
- Mahout  
- R"]
    LSF --> LSF_Box["- Supervised  
- Unsupervised  
- Semi-Supervised  
- Reinforcement  
- Deep Learning"]
    
```

15:02 | uvk-fxaj-kju

Session 16: Prof. Dr. R. Sujatha, Professor, School of Computer Science Engineering and Information Systems (SCORE), VIT Vellore, India  
Topic: A Comprehensive Introduction to Deep Learning

Dr. Sujatha Radhakrishnan (Presenting, annotating)

To exit full screen, press **Esc**

**A Comprehensive Introduction to Deep Learning**

Dr. Sujatha Radhakrishnan  
Professor, School of Computer Science Engineering and Information Systems  
Vellore Institute of Technology, Vellore, India

Participants: Raghendra Agrawal, shruti jain, Prahallad Kumar Sa..., Dr. Manoj Kumar Pr..., Prasanth Badhri, Shibani Tripathy, Dr. Leena Samantar..., 11 others, GIETUNIVERSITY SP...

17:07 | uvk-fxaj-kju

---

Dr. Sujatha Radhakrishnan (Presenting, annotating)

Artificial Intelligence  
Machine Learning  
Deep Learning  
Data Science

24-02-2025 Dr. Sujatha Radhakrishnan, Professor, SCORE, Vellore Institute of Technology 4

Participants: Raghendra Agrawal, Prasanth Badhri, shruti jain, Prahallad Kumar Sa..., Dr. Manoj Kumar Pr..., Shibani Tripathy, Dr. Leena Samantar..., 13 others, GIETUNIVERSITY SP...

17:11 | uvk-fxaj-kju

Day 5

Session 17: Dr. Deepak Ranjan Nayak, Department of Computer Science & Engineering, MNIT, Jaipur  
Topic: Deep Learning in Medical Image Analysis

Deepak Ranjan Nayak (Presenting, annotating)

### DL in Medical Image Analysis

## Convolutional Neural Network

- CNN architecture comprises a sequence of convolutional, ReLU, and pooling layers followed by few FC layers at the end.
- FC layers accommodate numerous learnable parameters, thereby increasing the computational cost of training.
- Existing pre-trained CNN models contain many FC layers.

Dr. Deepak Ranjan Nayak (Department of Applications of Deep Learning Methods in M&E) 19/84

10:06 | uvk-fxaj-kju

Deepak Ranjan Nayak (Presenting, annotating)

### CNN and Current Challenges

## A Lightweight Multiscale Local Feature Extraction (MLF) Block

- MLF Block extracts local multiscale features from receptive fields of various sizes and incorporates residual skip connections to strengthen the feature flow

Dr. Deepak Ranjan Nayak (Department of Applications of Deep Learning Methods in M&E) 25/84

10:25 | uvk-fxaj-kju

Session 18:Dr. Deepak Joshi, IIT Delhi  
Topic: Neural Signal Processing for AI

The image shows a Zoom meeting interface with two slides displayed. The top slide is titled "Neural Signal Processing for AI" and includes the following text:

- Joint Faculty Development Program
- Indian Institute of Technology Roorkee
- Neuromechanics Research Lab
- IT Delhi
- Neural Signal Processing for AI
- Prof. Deepak Joshi
- Neuromechanics Research Laboratory, Centre for Biomedical Engineering (CBME)
- Indian Institute of Technology Delhi
- New Delhi-110016

The bottom slide is titled "Stroke- A Global Health Crisis" and contains the following information:

- Ischemic Stroke
- 80% cases
- Clot
- A cerebrovascular disease
- Leading cause of death and disability

The meeting interface shows a list of participants on the right side, including Raghvendra Agrawal, Deepak Joshi (highlighted), Ashish Sharma, Nilambar Sethi, Malini Arun, Nilachakra Dash, Sunita Panda, and shruti jain. The time shown is 11:04 and 11:05.

Session 19: Dr. Sanjaya Kumar Panda, Asst. Professor, Department of CSE, NIT Warangal  
 Topic: Nearest Neighbour based classifier

Dr. Sanjaya Kumar Panda - NIT Warangal (Presenting, annotating)

## Nearest Neighbour Based Classifiers

**Dr. Sanjaya Kumar Panda**  
 IEEE Senior Member and CSI & ACM Distinguished Speaker

Assistant Professor  
 Department of Computer Science and Engineering  
 National Institute of Technology, Warangal  
 (An Institute of National Importance under MHRD, Govt. of India)  
 Warangal - 506004, Telangana, India  
 Mobile No. : +91-9861126947  
 Email: sanjayauc [at] gmail [dot] com  
 sanjaya [at] nitw [dot] ac [dot] in

Google Scholar DBLP YouTube

18:03 | uvk-fxaj-kju

---

Dr. Sanjaya Kumar Panda - NIT Warangal (Presenting, annotating)

## Topics to be discussed

Topics to be discussed

- 1 Nearest Neighbour (NN) Algorithm
- 2 Variants of the NN Algorithm
  - $k$ -Nearest Neighbour ( $k$ NN) Algorithm
  - Modified  $k$ -Nearest Neighbour ( $Mk$ NN) Algorithm
  - Fuzzy  $k$ NN Algorithm
  - $r$  Near Neighbours
- 3 Efficient Algorithms
  - The Branch and Bound Algorithm
  - The Cube Algorithm
  - Searching for the Nearest Neighbour by Projection
  - Ordered Partitions
- 4 Conclusion
- 5 References

18:06 | uvk-fxaj-kju

Participants: Dr. Sanjaya Kumar P..., Raghvendra Agrawal, AMRITA DASH, Raadhanath Hota, P Krishna Rao GCET, Sunita Panda, AMRITA DASH, 23SDCS15\_V.sivani, 12 others, GIETUNIVERSITY SP...







GPS Map Camera



Google

Rayagada, Odisha, India  
Giet Rd, Odisha 765022, India  
Lat 19.048637° Long 83.831775°  
23/01/25 10:12 AM GMT +05:30



GPS Map Camera



Google

Rayagada, Odisha, India  
Giet Rd, Odisha 765022, India  
Lat 19.048652° Long 83.831783°  
23/01/25 10:12 AM GMT +05:30



**List of Registered Participants**

S/No.	Name of the Applicant (to be printed on certificate)	Gender	Category	Organization/Institute/College Name (to be printed on certificate)
1	L V RAJESH KUMAR	Male	OBC	VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY

2	MR. SUMIT MALHOTRA	Male	Gen	Chandigarh University
3	Duddu Prasanth Kumar	Male	OBC	Acharya Nagarjuna University
4	V R Ashok Vardan Chavali	Male	Gen	Bapatla Engineering College
5	Shruti	Female	Gen	Maharshi Dayanand University, Rohtak
6	Mr Prahallad Kumar Sahu	Male	Gen	Gandhi institute of engineering and technology University Gunupur
7	Mrs. Archana Patnaik	Female	Gen	Gandhi institute of engineering and technology University gunupur
8	NILANJAN BAL	Male	Gen	DELHI SCHOOL OF ECONOMICS, UNIVERSITY OF DELHI
9	Shibani Tripathy	Female	Gen	GIET University
10	ABHIJIT GOGOI	Male	OBC	DUIET, Dibrugarh University
11	ANKIT KUMAR	Male	Gen	R.D. ENGINEERING COLLEGE
12	AMALENDU BAG	Male	Gen	EINSTEIN ACADEMY OF TECHNOLOGY AND MANAGEMENT BHUBANESWAR
13	Yerra akash	Male	OBC	Rajiv gandhi university of knowledge technologies nuzvid
14	MURAPAKA RADHA RAMESH	Male	Gen	SRI GCSR COLLEGE
15	K. Princy Niveditha	Female	SC	Baderia Global Institute of Engineering and Management, Jabalpur
16	Ranu Gupta	Female	Gen	Jaypee University of Engineering and Technology, Guna
17	Kancherla Santoshi	Female	Gen	GMR Institute of Technology
18	JUBLEE PATEL	Female	Gen	Ajay Binay Institute of Technology, Cuttack
19	DR. SHUBHALAXMI MOHAPATRA	Female	Gen	Ajay Binay Institute of Technology
20	P V RAMA GOPALA RAO	Male	Gen	GIET UNIVERSITY
21	Dr Premansu Sekhara Rath	Male	Gen	Gandhi Institute of Engineering and Technolgy University, Gunupur
22	NILAMBAR SERHI	Male	SC	GIET UNIVERSITY, GUNUPUR
23	NILACHAKRA DASH	Male	Gen	NALLA MALLA REDDY ENGINEERING COLLEGE HYDERABAD
24	SAROJ KUMAR BEHERA	Male	OBC	GIET UNIVERSITY, GUNUPUR
25	ANNAPURNA SAHOO	Female	Gen	AJAY BINAY INSTITUTE OF TECHNOLOGY
26	Dr Manaswini Jena	Female	Gen	Birla Global University, Bhubaneswar
27	Deshprem Rout	Male	Gen	GIET University, Gunupur
28	Indrajeet Kumar	Male	Gen	Birla Global University, Bhubaneswar, Odisha, India.
29	Rabinarayan Panda	Male	Gen	GIET UNIVERSITY
30	SANTOSH KUMAR PANDAVA	Male	Gen	AJAY BINAY INSTITUTE OF TECHNOLOGY CUTTACK
31	Abhijeet Satapathy	Male	Gen	Ajay Binay Institute of Technology, Cuttack
32	SMRUTI RANJAN DASH	Male	Gen	SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL
33	Dr. Manoj Kumar Praharaj	Male	Gen	Ajay Binay Institute of Technology
34	LINGARAJ SAMANTARAY	Male	Gen	Ajay Binay Institute of Technology, Cuttack
35	P Kanaka Tulasi	Female	Gen	GIET University, Gunupur
36	SUNITA PANDA	Female	Gen	SYNERGY INSTITUTE OF ENGINEERING AND TECHNOLOGY, DHENKANAL
37	Nagarampalli manoj kumar	Male	Gen	GIET UNIVERSITY
38	G KALYAN CHAKRAVARTHI	Male	Gen	Gayatri Vidya Parishad College for Degree and P G Courses (A)
39	Ritesh Dash	Male	Gen	REVA University, Bangalore
40	TULASIRAJU NETHALA	Male	SC	SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY

41	Kokkeragadda Raja Babu	Male	OBC	GIET UNIVERSITY
42	Abhipsa Patnaik	Female	Gen	GIET UNIVERSITY
43	Mr. G. V. S. Narayana	Male	OBC	GIET UNIVERSITY
44	TAPAS KUMAR DAS	Male	Gen	BALASORE COLLEGE OF ENGINEERING AND TECHNOLOGY, BALASORE
45	SURENDRA NATH BHAGAT	Male	Gen	BALASORE COLLEGE OF ENGINEERING OF TECHNOLOGY
46	SUBHANKAR GUHA	Male	Gen	TECHNO INTERNATIONAL BATANAGAR
47	Ch Sravanthi Sowdanya	Female	OBC	GIET Gunupur
48	Swapnil Deo	Male	Gen	GIET UNIVERSITY, GUNUPUR
49	Dr. Ashish Sharma	Male	Gen	College of Engineering and Computer Science, Lebanese French University, Erbil, Kurdistan, Iraq
50	Dr R Malini	Female	Gen	IITM College of Engineering, Rohtak
51	Monalisha Mahapatra	Female	Gen	GIET University
52	Rudrakshi Deo	Female	Gen	GIET University
53	Amrita Dash	Female	Gen	Parala Maharaja Engineering College, Berhampur
54	JAMI GIRIJA KUMARI	Female	OBC	GIET UNIVERSITY
55	Abhishek Barua	Male	Gen	Parala Maharaja Engineering College, Berhampur
56	Dr. Amaresh sahu	Male	Gen	ABIT, Cuttack
57	IPPILI SAIKRISHNAMACHARYULU	Male	Gen	GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, GUNUPUR
58	SANATA KUMAR SWAIN	Male	Gen	AJAY BINAY INSTITUTE OF TECHNOLOGY
59	Sucheta Pradhan	Female	Gen	Ajay Binay Institute of Technology
60	P KRISHNARAO	Male	Gen	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY



# An Initiative of Ministry of Electronics & Information Technology (MeitY) Government of India

## A Faculty Development Program

On  
Image Processing and Pattern Recognition

20/1/2025 to 25/1/2025

Under the aegis of  
Electronics & ICT Academy IIT Roorkee

In the collaboration with  
GIET University, Gunupur (Hub)  
and Ajay Binay Institute of Technology  
Cuttack (Spoke)



### Prerequisites

No experience is required, but fundamental knowledge of any programming language would be helpful.

### Course Features

- 40 Hours of Lectures, Hands-on & Pedagogy/Industry sessions
- Lectures from Expert Speakers, Hands-on from industry/Academia experts
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

### Who Should Register?

Any Interested Faculty/PhD-Scholars UG/PG/ & Industry Persons can register.

These FDPs can be considered in alignment with other Quality Improvement Programs (QIP) as well as NBA and NAAC for recognition/credit.



### Why this course?

The Faculty Development Program aims to provide faculty members and researchers with a comprehensive understanding of Image Processing and Pattern Recognition techniques, emphasizing theoretical concepts, practical applications, and the use of modern tools and algorithms.

### Objectives of the course

- To provide participants with a solid foundation in the core concepts of image processing and pattern recognition.
- To explore advanced topics like feature extraction, dimensionality reduction, and classification methods for solving real-world problems.
- To facilitate knowledge sharing and collaboration among faculty members from various disciplines, promoting interdisciplinary approaches.
- To provide insights into the latest advancements, such as deep learning-based image analysis, generative adversarial networks (GANs), and real-time image processing.

### Focus Areas

- Overview of Digital Image Processing: Concepts, types of images, and basic image structures
- Image Representation: Pixels, resolution, and color spaces (RGB, grayscale, HSV)
- Basic Image Operations: Image loading, display, and basic transformations
- Image Enhancement Techniques: Contrast adjustment, histogram equalization, and filtering



- Image Transformation Methods: Fourier Transform, Discrete Cosine Transform, and Wavelet Transform
- Edge Detection: Sobel, Prewitt, Canny, and other edge-detection algorithms
- Morphological Operations: Dilation, erosion, opening, and closing
- Noise Reduction: Filtering methods, median filters, and Gaussian filters
- Introduction to Pattern Recognition: Types and applications of pattern recognition
- Supervised vs. Unsupervised Learning: Differences and use cases
- Classification Algorithms: k-Nearest Neighbors (k-NN), Support Vector Machines (SVM), Decision Trees
- Model Evaluation: Cross-validation, confusion matrix, precision, recall, and F1-score
- Introduction to Deep Learning: Overview of deep neural networks and their applications
- Convolutional Neural Networks (CNNs): Architecture, layers, and applications in image processing
- Transfer Learning: Using pre-trained models (e.g., VGG, ResNet) for image classification



### Registration Fee

Fees: ₹ 250/participant, non-refundable (Applicable for all)  
Note: Refund will be done in case of course cancellation only, within 20 working days  
How to make Payment: <https://eict.iitr.ac.in/instruction-for-payment/>  
Conference Code: EICTIITR-FDP-25-02  
Registration Link: <https://forms.gle/2oCqjouJLWuST76n8>

### Accommodation



Accommodation on a sharing basis will be provided based on the availability of guest rooms on a paid basis.  
Accommodation charge: (INR 1200/day/person)  
Contact - sibofromgiel@giel.edu (9437234031) for booking

### Principal Investigator

Prof. Sanjeev Manhas, ECE Department, IIT Roorkee

### Course Coordinators

Dr. Raghvendra Kumar, CSE Department, GIET University

### Course Co-coordinators

Mr. K. Siva Krishna, CSE Department, GIET University  
Mr. G V S Narayana, CSE Department, GIET University

### Spoke Course coordinator details

Prof. (Dr.) Leena Samantray, Principal, ABIT, Cuttack  
Mobile No -91-9861181558  
E- Mail: [leena\\_sam@radiffmail.com](mailto:leena.samantray@abit.edu.in)



### Spoke Course Co-Coordinator details

Dr. Shree Kanungo  
Mobile No - 9556716167  
E - Mail: [shree.kanungo@abit.edu.in](mailto:shree.kanungo@abit.edu.in)

### Reach Us:

Prof. Sanjeev Manhas, ECE Department, IIT Roorkee  
Mobile Number: +91-8112766397 +91-1332286457  
Email ID: [eict@iitr.ac.in](mailto:eict@iitr.ac.in)

Dr. Raghvendra Kumar, CSE Department, GIET University  
Mobile Number: +91-7804068698  
Email ID: [raghvendra@giel.edu](mailto:raghvendra@giel.edu)

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- [gietuniversity](https://twitter.com/gietuniversity)
- [gietuniversity](https://facebook.com/gietuniversity)
- [gietuniversity](https://linkedin.com/company/gietuniversity)
- [gietuniversity](https://youtube.com/gietuniversity)
- [gietuniversitygunupur](https://instagram.com/gietuniversitygunupur)
- [gietuniversity](https://t.me/gietuniversity)

MoU between GIET University and Lagozon Technology Pvt. Ltd.  
28/01/2025



## **MEMORANDUM OF UNDERSTANDING (MOU)**

BETWEEN

Department of Computer Science and Engineering  
GIET University, India

&

Lagozon Technologies Private Limited, India

**AGREED:**

For GIET University

  
Authorized Signatory  
REGISTRAR  
G.I.E.T.University, Gunupur

GIET University, India

Dr. N.V.J. Rao

Registrar

Witness 1:   
Dr. K M Gopal  
Dy. Dean, Computational Sciences  
GIET University, Gunupur

Witness 3:   
Dr. Raghvendra Kumar  
Professor, Department of Computer  
Science and Engineering  
GIET University, Gunupur

For Lagozon Technologies Pvt Ltd

**Dr. Vipul  
Vashisht**  
Digitally signed by  
Dr. Vipul Vashisht  
Date: 2025.01.28  
12:57:09 +05'30'  
Authorized Signatory

Lagozon Technologies Private Limited

Witness 2:

Witness 4:



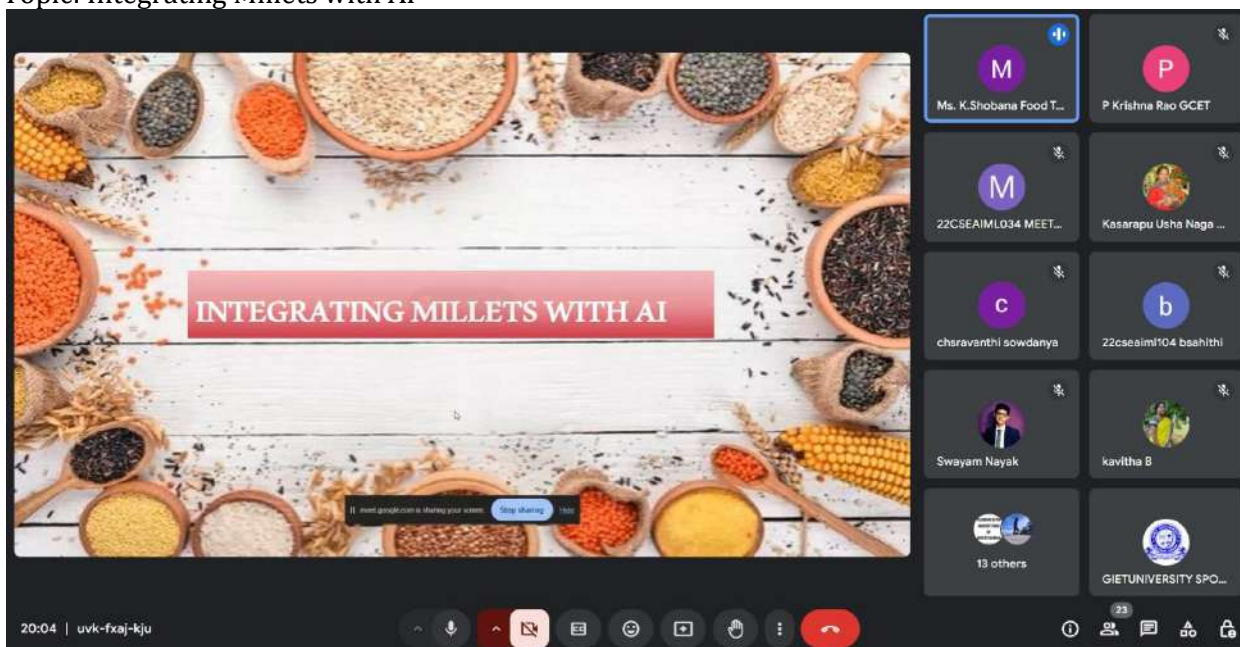
**Millets Webinar Series**  
(Integrating Millets with AI: Building a Sustainable Society with India's  
Viswa Guru Vision in AI)  
Organized by  
GIET University, Gunupur-765022, Odisha

**Tentative Schedule**

S/No.	Date	Time	Expert	Organisation
1	27/01/2025	08:00PM-09:00PM	Ms. K. Shobana	KARPAGAM ACADEMY OF HIGHER EDUCATION
2	29/01/2025	06:00PM-07:00PM	Ms. Ankita Lodha & Mr Nishant Harsude	Chartered Accountant & Millets Expert Founder, Nisarga A Millet Kitchen
3	30/01/2025	06:00PM-07:00PM		
4	31/01/2025	06:00PM-07:00PM		
5	01/02/2025	06:00PM-07:00PM		
6	03/02/2025	06:00PM-07:00PM	Dr. Shweta Deotale	Visvesvaraya National Institute of Technology, Nagpur
7	03/02/2025	07:00PM-08:00PM	Ms. Shalini Rajani	Millet Coach Shalini at Crazy Kadchi
8	21/02/2025	06:00PM-07:00PM	Dr. P Karthik	KARPAGAM ACADEMY OF HIGHER EDUCATION

\*Google Meet Link: <https://meet.google.com/uvk-fxaj-kju>

Session 1: Ms. K. Shobana, Karpagam Academy of Higher Education  
Topic: Integrating Millets with AI



Ms. K.Shobana Food Technology (Presenting, annotating)

### MILLETS

- Millets are ancient grains, high in fiber and nutrients.
- They are climate-resilient and adaptable to various conditions.
- Common types include pearl millet, foxtail millet, and finger millet.
- Nutritional benefits include being rich in vitamins and minerals.
- It's an important for food security and biodiversity.

20:05 | uvk-fxaj-kju


---

Ms. K.Shobana Food Technology (Presenting, annotating)

To exit full screen, press Esc

### TRAINING FARMERS

- Conduct workshops on using AI tools for crop monitoring and yield prediction.
- Develop smartphone apps that guide farmers in data-driven decision-making for millet cultivation.
- Create online courses on AI-based pest management techniques tailored for millet crops.
- Host field demonstrations showcasing AI technology for soil health and irrigation efficiency.
- Establish a mentorship program pairing AI experts with farmers for hands-on AI training.



20:38 | uvk-fxaj-kju

---

Ms. K.Shobana Food Technology (Presenting, annotating)

### GLOBAL PERSPECTIVES ON IMPACT OF AI WITH MILLETS

- AI promotes millets as a healthier alternative to combat obesity in developing regions.
- It inspires new millet-based products and recipes, showcasing millet's versatility.
- Facilitates global research collaborations on millet cultivation, promoting sustainable farming practices.
- Bridges gap between traditional millet farming and modern agricultural science.
- Identification of millet market opportunities, aiding in economic diversification in developed regions.

20:44 | uvk-fxaj-kju

Session 2: Ms. Ankita Lodha, Chartered Accountant & Millets Expert

# Topic: All about Millets

The image shows a Zoom meeting interface. The top portion displays a presentation slide titled "All about Millets" by Ankita Bhagat-Lodha, dated Wednesday, January 29, 2025. The slide features a background image of a millet field. A notification indicates that a participant named AYUSHMAN KAR has left the meeting. The meeting controls at the bottom show the time as 6:05 PM and the meeting ID as uvk-fxaj-kju.

The bottom portion of the image shows a different presentation slide titled "Why millets?". The slide lists the following benefits of millets:

- Sustainable
- Resilient
- Healthy
- Low Carb to Fiber Ratio
- Gluten Free
- Boosts Immunity

A green banner at the bottom of the slide states: "Fiber-rich, Low GI, wide variety of proteins, rich in Vit. and trace minerals". The meeting controls at the bottom show the time as 18:27 and the meeting ID as uvk-fxaj-kju. A watermark for "GJETUNIVERSIT..." is visible in the bottom right corner.

Participants visible in the meeting include:

- Ankur Lodha (Presenting, annotating)
- 22CSE159 GAYATRI...
- 21WDCS09\_v.vramanj...
- R. Sridhar Rao
- padmavathi Dumpala
- Nilachakra Dash
- 22ME013 MANAS PATEL
- 24CSE318 ANKITA SA...
- 12 others
- Raghvendra Agrawal
- Raghvendra Ag...
- P Krishna Rao ...
- padmavathi Du...
- Ankur Lodha (P...)
- 24CSE318 ANKI...
- Sumitha E
- chravanthi so...
- 22 others
- GJETUNIVERSIT...

Raghvendra Agrawal (Presenting, annotating)

# Grains

Millet    Corn    Wheat    Buckwheat    Barley    Rice    Oat    Quinoa

18:19 | uvk-fxaj-kju

Raghvendra Agrawal (Presenting, annotating)

FOXTAIL    LITTLE    BROWNTOP    BARINYARD    KODO

18:24 | uvk-fxaj-kju

Participants: Raghvendra Agrawal, Ankita Lodha, padmavathi Dumpala, Ankur Lodha (Presenting), 24CSE318 ANKITA S..., chsravanthi sowdan..., 23cseds019 satyapr..., 22MEO02 RAKESH Y..., 16 others, GIETUNIVERSITY SP...

Session 3: Ms. Ankita Lodha, Chartered Accountant & Millets Expert  
 Topic: Millet and Technology

The image shows a Zoom meeting interface. The top portion displays a presentation slide with the title "Millets and Technology" and the subtitle "Where tech meets tradition - Digital touch to ancient roots". The bottom portion shows a slide titled "Role of IT in promoting millets" with two main points: "Digital Awareness" (involving educational websites and influencers) and "Farm to Market" (focusing on transparency, quality control, and distribution). A video thumbnail of Ms. Ankita Lodha is visible on the right side of the second slide.

**Millets and Technology**  
Where tech meets tradition - Digital touch to ancient roots

**Role of IT in promoting millets**

- Digital Awareness**  
and various educating websites about millets and partnering with influencers and health workers etc.
- Farm to Market**  
Ensuring transparency, traceability, quality control, processing and distribution, identification of high yielding varieties, understanding market trends and preferences and providing same.

Session 4: Ms. Ankita Lodha, Chartered Accountant & Millets Expert  
Topic: Millet recipe Cooking

To exit full screen, press **Esc**

The image displays two screenshots of a Zoom meeting. The top screenshot shows a woman with long dark hair, wearing a yellow floral top, in a kitchen setting. She is looking towards the camera. The bottom screenshot shows the same woman, now holding a brown bowl, appearing to be in the middle of a cooking demonstration. The Zoom interface includes a top bar with a full-screen toggle and a text prompt "To exit full screen, press Esc". A central toolbar contains icons for mute, video, chat, gallery view, share screen, and end meeting. On the right side, a grid of participant thumbnails is visible, showing names and profile pictures of other attendees. The meeting ID "uvk-fxaj-kju" and the time "18:13" are displayed in the bottom left corner of both screenshots.

18:13 | uvk-fxaj-kju

Participant List (Top Screenshot):

- Raghvendra Agrawal
- Ambica Soni
- Prithwiraj Charchi
- Virendrakumar Tha...
- Manas Ranjan Panda
- N.M. LINGAPPAN
- Ashish Maharaj
- 23SDCS25\_Bhaskar...
- 2 others
- GIETUNIVERSITY SP...

Participant List (Bottom Screenshot):

- Raghvendra Agrawal
- Ambica Soni
- Prithwiraj Charchi
- Virendrakumar Tha...
- 23SDCS12-RAMESH...
- Fabeela P.
- 21WDCS14\_B NISHA...
- 22CSE987 DEV KIRA...
- 7 others
- GIETUNIVERSITY SP...

18:18 | uvk-fxaj-kju

18:20 | uvk-fxaj-kju

18:22 | uvk-fxaj-kju

Participants:

- Raghvendra Agrawal
- Ambica Soni
- Fabeela P.
- 21WDCS14\_B NISHA...
- Prithwiraj Charchi
- Virendrakumar Tha...
- Joe Cecil
- 22CSE987 DEV KIRA...
- 6 others
- GIETUNIVERSITY SP...
- 23LECV005 SWAGA...
- 7 others

Zoom Meeting Screenshot 1

18:28 | uvk-fxaj-kju

Participants:

- Raghendra Ag...
- Fabeela P.
- 21WDCS14\_B N...
- Ambica Soni
- Prithwiraj Char...
- Virendrakumar ...
- Joe Cecil
- 21DCS04\_mkri...
- ramisetti sivara...
- pathivada moni...
- N.M. LINGAPPAN
- Ashish Maharaj
- 23SDCS25\_Bha...
- K. Ch. Rath
- 22cseaimi118 s...
- bhabani sankar...
- GIETUNIVERSIT...

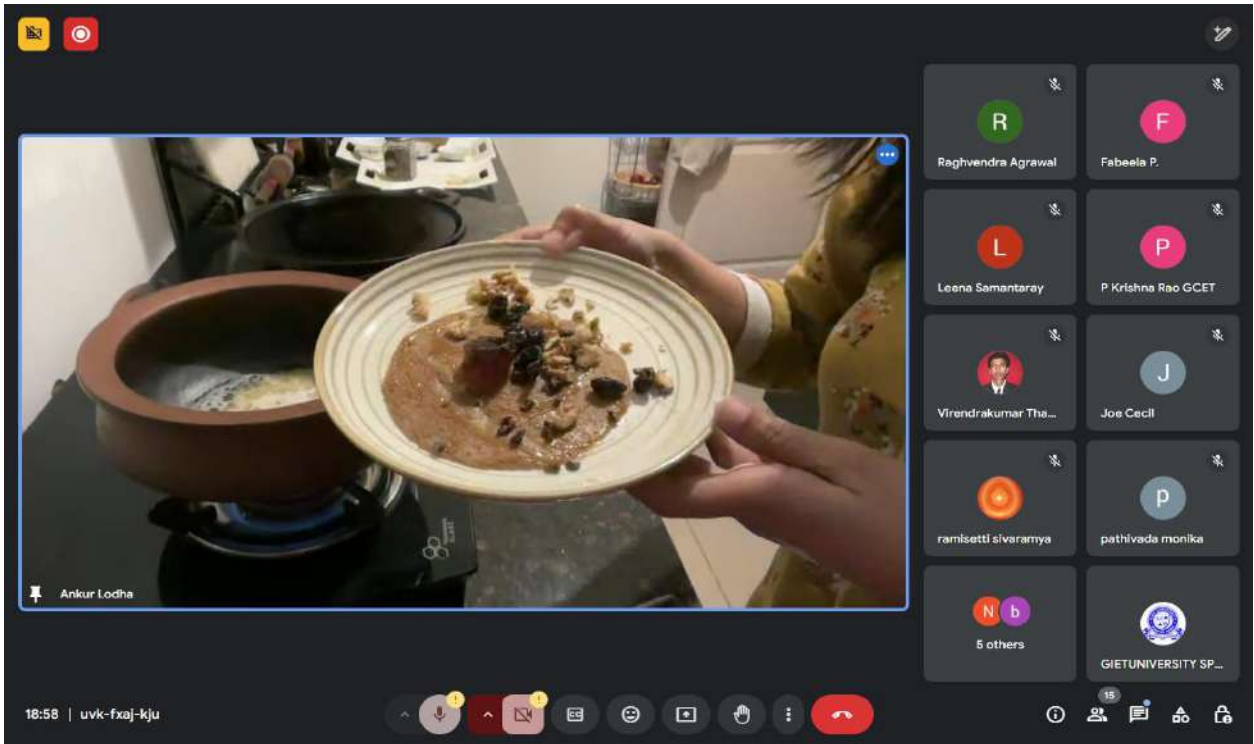
Zoom Meeting Screenshot 2

18:28 | uvk-fxaj-kju

Participants:

- Raghendra Agrawal
- Fabeela P.
- Leena Samantarey
- P Krishna Rao GCET
- Virendrakumar Tha...
- Joe Cecil
- ramisetti sivaramya
- pathivada monika
- 5 others
- GIETUNIVERSITY SP...

Detailed description: The image shows two screenshots of a Zoom meeting. The top screenshot shows a video feed of a person in a yellow patterned dress cooking in a kitchen, with a circular inset showing a man in a white chef's uniform. Below the video is a grid of 16 participant tiles with various initials and names. The bottom screenshot shows a larger video feed of the same person in the yellow dress cooking, with a grid of 10 participant tiles. Both screenshots include a Zoom toolbar at the bottom with icons for mute, video, chat, and other functions.



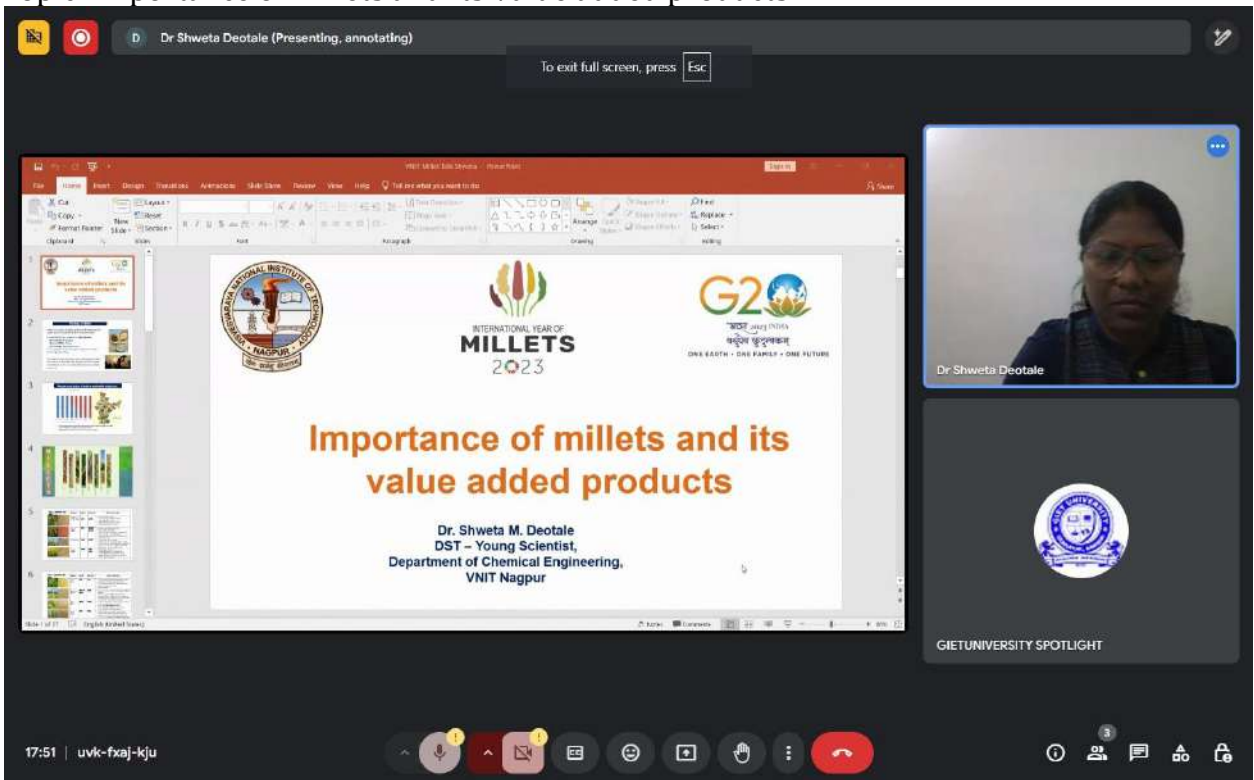
### Session 5: Mr Nishant Harsude, Founder, Nisarga A Millet Kitchen

Topic: Millets in Hospitality and Food Services, Millets on the Menu: The Hotel Industry's Next Trend, How hotels and restaurants can incorporate millets into their menus, Benefits of positioning millets as a health-forward offering, Collaborating with local farmers for sustainable sourcing






Session 6: Dr. Shweta Deotale, Visvesvaraya National Institute of Technology, Nagpur  
Topic: Importance of Millets and Its Value added products




Dr Shweta Deotale (Presenting)

### Commercialized products




**Nutrimix**

- With jaggery
- Without jaggery / sugar – specially for diabetic patients




**Multi-millet multipurpose Health mix**




**Healthy and Nutritious multi-millet Ladoo**


### Upcoming products




**Multi-millet Nutribar**



**Millet based instant soup mix**



**Millet Pulao**



**Instant Millet Khichadi Mix**

18:06 | uvk-fxaj-kju

---



Dr Shweta Deotale (Presenting)

To exit full screen, press **Esc**

### A Farmer Producer Organization (FPO)

**Dindori district of Madhya Pradesh**

✓ Preserved more than 150 varieties of millets

*Eat Millets!*

*Stay Healthy !!*

N.M. LINGAPPAN

Dr. M. DEVENDRA.

Ambika Soni

23SDCS29\_Chalapa...

roopa devichandana...

roopa devichandana (outside gjetu.com) has joined

18:10 | uvk-fxaj-kju

Session 7: Dr. Mr. P Karthik, KARPAGAM ACADEMY OF HIGHER EDUCATION  
 Topic: Integrating Millet with AI

P. Karthik (Presenting, annotating)

To exit full screen, press **Esc**

**Integrating Millet with AI: Building with a Sustainable Society with India's Viswa Guru Vision in AI**

**Dr. P. Karthik**  
Associate Professor & Head,  
Department of Food Technology, FoE,  
Karpagam Academy of Higher Education, Tamil Nadu.

21st February, 2025

18:03 | sxe-hbnc-uniq

Raghendra Agrawal

P. Karthik

P Krishna Rao GCET

Fabeela P.

N.M. LINGAPPAN

Joe Cecil

Dasaradha Arangi

GIETUNIVERSITY SP...

P. Karthik (Presenting, annotating)

To exit full screen, press **Esc**

**Food Technology**

Food Technology is the application of food science and engineering from farm to fork which includes

- Selection of raw material
- Use of safe food
- Preservation
- Food Technology
- Processing
- Packaging
- Distribution

Besides, Food Technology interconnected with other fields such as Chemistry, Physics, Biotechnology, Nanotechnology, Engineering, Nutrition, Quality

21st February, 2025

18:10 | sxe-hbnc-uniq

P. Karthik

Raghendra Agrawal

P Krishna Rao GCET

Fabeela P.

N.M. LINGAPPAN

Joe Cecil

Dasaradha Arangi

22CSE452 SHUBHA...

Ramkumar Komakula (outside gletu.com) has joined

P. Karthik (Presenting, annotating)

### AI-Agri in sector

16 17th January 2025

18:21 | sxe-hbnc-unq

P. Karthik

Raghendra Agrawal

P Krishna Rao GCET

Fabeela P.

N.M. LINGAPPAN

Joe Cecil

Dasaradha Arangi

22CSE452 SHUBHA...

9 others

GIETUNIVERSITY SP...

P. Karthik (Presenting, annotating)

To exit full screen, press Esc

### Acknowledgement

**Dr. C. Anandharamakrishnan**,  
Director, CSIR - National Institute For  
Interdisciplinary Science and  
Technology (NIIST),  
Thiruvananthapuram, Kerala.

**Prof. Jianshe Chen**,  
Platform leader, Singapore Institute of  
Food and Biotechnology Innovation,  
A\*Star, Singapore.

1. Ms. Sanjana (Asst. Professor)
2. Ms. Sareena Kabeer (Asst. Professor)
3. Ms. Krishna Priyanka (Research student)

**KARPAGAM**  
ACADEMY OF HIGHER EDUCATION  
(Deemed to be University)  
Coimbatore, Tamil Nadu.

Department of CSE  
GIET University, Gunupur, Rayagada,  
Odisha-765022, India

Department of Science and Technology  
Government of India

37 21st February 2025

18:47 | sxe-hbnc-unq

P. Karthik

Raghendra Agrawal

P Krishna Rao GCET

N.M. LINGAPPAN

Joe Cecil

22CSE452 SHUBHA...

23SDCS10\_Janardh...

K. Ch. Rath

12 others

GIETUNIVERSITY SP...



# Millets Webinar Series

Integrating Millets with AI

Building a Sustainable Society with India's Viswa Guru Vision in AI

Organized by

GIET University, Gunupur-765022, Odisha

Participants Registration Form: <https://forms.gle/mXNZcuE1eGV1eiKp8>

## Contact us

**Dr. Raghvendra Kumar**

Professor, Department of Computer Science and Engineering

GIET University, Gunupur-765022

Email ID: [raghvendra@giet.edu](mailto:raghvendra@giet.edu)

Mobile Number: 7804068698





# MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

Department of Computer Science and Engineering  
GIET University, India

&

IRT DIGITAL ANALYTICS SOLUTIONS PVT. LTD.

**AGREED:**

For GIET University

For IRT Digital Analytics Solutions Pvt. Ltd.



Authorized Signatory  
Registrar  
GIET University, Gunupur

Authorized Signatory

GIET University, India

IRT Digital Analytics Solutions Pvt. Ltd.

Dr. N.V.J. Rao  
Registrar

Mohit Kumar Tomar  
Director

Witness 1:  
Dr. K M Gopal  
Dy. Dean, Computational Sciences  
GIET University, Gunupur



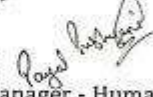
Witness 2:  
Anjul Gaur  
Deputy Manager Finance  
IRT Digital Analytics Solutions Pvt. Ltd.



Witness 3:  
Dr. Raghvendra Kumar  
Professor, Department of Computer Science  
and Engineering  
GIET University, Gunupur



Witness 4:  
Payal Pushyani  
Group Senior Manager - Human Resources  
IRT Digital Analytics Solutions Pvt. Ltd.



## University Level Hackathon-2025 (AI Hackathon-2025)

### *In-line with India's Viswa Guru Vision in AI*

in Association with CSC Council, Indo-American Council of Emerging Technologies  
(4<sup>th</sup> March 2025)

Organized by  
AI Chapter & AIML Club  
Department of Computer Science and Engineering  
GIET University, Gunupur-765022, Odisha

#### **Problem statements:**

**Education:** Develop AI-driven solutions that enhance the learning experience, making it more adaptive, personalized, and engaging. Solutions can range from intelligent tutoring systems, edtech apps, to platforms that use AI to provide real-time feedback.

**Social Sensitivity & Accessibility:** Harness the power of AI to address societal issues and promote inclusivity. This can involve creating tools that help differently-abled individuals navigate their environment, applications that combat social biases, or platforms that connect marginalized communities with essential resources.

**Fintech:** Innovate within the financial technology space by integrating AI to streamline processes, detect fraud, or provide insightful analytics. Ideas can include AI-driven investment platforms, chatbots for banking, or credit scoring models that leverage machine learning.

**Cyber security:** Use AI to bolster cyber security measures. This could mean developing intelligent threat detection systems, predictive analytics for identifying vulnerabilities, or AI-powered authentication mechanisms that ensure data protection.

**Telecommunications:** Revolutionize the telecom sector by introducing AI-based solutions that optimize network operations, enhance customer experience, or predict maintenance needs. Proposals might include smart routing systems, chatbots for customer support, or predictive analytics for network optimization.

**Entertainment:** Enhance the world of entertainment by integrating AI. This could mean creating personalized content recommendation engines, automating content creation processes, or even developing new AI-powered gaming experiences.

**Retail & Ecommerce:** Transform the retail and ecommerce landscape with AI-driven tools. Participants can develop recommendation systems, inventory optimization algorithms, or customer behavior analytics tools that help retailers understand and engage their audience better.

**Sports Analytics:** Leverage AI to gain insights into sports data. Participants can work on tools that provide real-time analytics during games, predictive models for player performance, or virtual training assistants for athletes.

**Prize Money:** 1<sup>st</sup> Prize (Rs. 5000), 2<sup>nd</sup> Prize (Rs. 3000) and 3<sup>rd</sup> Prize (Rs. 2000)

#### **Important Dates:**

Registration Start	4 February 2025
Registration Closed	25Febaury 2025
University Level Hackathon-2025	4 <sup>th</sup> March 2025

**Team Registration Form:** <https://forms.gle/i2eQyqXok45d5e6A7>

### Team Details

S/No.	Team Name	Team Lead Name	Team Lead Department	Section	Roll Number	Venue
1	LMNTRIX	SURAJ PATRA	CSE	B	22CSE041	CSB 7
2	TEAM CONCEPT SQUAD	DEBASISH MISHRA	CSE	F	22CSE312	
3	LMNTRIX	OM PRAKASH DAS	CSE	PLACED	21CSE637	
4	NEXGEN	SAMBIT KUMAR NAYAK	COMPUTER SCIENCE AND ENGINEERING	C	22CSE050	
5	BRAINAIC CREWS	BASILIYA SARA SUNIL	CSE	L	22CSE993	
6	VISIONARY	ABHIJIT PRADHAN	CSE	O	22CSE969	
7	VISIONARY	ABHIJIT PRADHAN	CSE	O	22CSSE969	
8	AITHLETE EDGE	HIMANSHU SINGH	CSE	G	22CSE1007	
9	FLASH	ANKIT KUMAR NAYAK	CSE AIML	O	24CSEAIML233	
10	SILVER-FANG	SATYAM KUMAR SINHA	COMPUTER SCIENCE & ENGINEERING	C	22CSE062	
11	PLUTO	SANTANU PRADHAN	CSE	H	22CSE712	
12	CTRL+ALT+ELITE	BIBHUKALYAN NAYAK	CSE	A(AI & ML)	23CSEAIML057	
13	BROOKLYN 99	R KIRAN KUMAR REDDY	CSE	AIMLB	22CSEAIML010	CSB 8
14	THE SENTINALS	SUPRIYO DAWN	CSE(AI&ML)	AIML-B	23CSEAIML131	
15	TENSOR TITANS	S. CHANDRA SEKHAR	BCA	A	23BCA046	
16	MINIMIZERS	RAKESH ROSHAN SHAHUKAR	ELECTRONICS AND COMMUNICATION ENGINEERING	B	23LEECE004	
17	INITIATOR	NIKHIL KUMAR	ECE	A	22ECE017	
18	NULL POINTERS	SANGRAM RATH	CSE	A	24CSE001	
19	SIGHTBRIDGE	VIVEK PATNAIK	CSE AIML	AIML -A	23CSEAIML031	
20	TEAM CODE X	A PARITOSH	CSE	I	22CSE242	
21	TEAM MAHAKUMBH	SUBRATA DHIBAR	CSE-AIML	AIML-C	23CSEAIML130	
22	SENTINEL'S	ASUTOSH PANDA	CSE AIML	M	24CSEAIML046	
23	TASK FORCE	SUMAN KUMAR RANA	CSE	M	22CSE730	
24	2ND YEARS	SASWATIKA DAS	CSE	A	23CSE009	

25	FLASH	ANKIT KUMAR NAYAK	CSE AIML	O	24CSEAIML233
26	CODE SLAYERS	KESHAB SHARMA	CSE	AIML C	23CSE116

### Full Schedule

4 <sup>th</sup> March 2025	
08:00AM	Assemble at venue (CSB 7 and 8)
10:00AM- 12:00Noon	First Round of Judging (7-10 minutes per team)
04:00PM-06:00PM	Final Evaluation (minimum three judges per panel, 7 minutes per team, 4 minutes presenting, 3 mins Q and A)
07:00PM	Results Announced

### Judges Panel

S/No.	Faculty Name	Venue	Event
1	Dr. B. B. Biswal, CSE	CSB 7	AI Hackathon
2	Mr. Radhanath Patro, ECE		
3	Dr. Nilambar Sethi, CSE		
4	Dr. AVS Pavan Kumar, CSE		
5	Dr. Ravindra Yadav, CEO - ACIC		
6	Mr. Jagdish Sahoo, CSE	CSB 8	
7	Dr. Priyadarsan Parida, ECE		
8	Dr. Srikant Misra, EE		
9	Dr. Sachikanta Dash, CSE		
10	Dr. D Anil Kumar, CSE		

### Winners Details

Team Name	Team Leader	Position
TEAM CONCEPT SQUAD	DEBASISH MISHRA	1 <sup>st</sup>
TEAM MAHAKUMBH	SUBRATA DHIBAR	
BRAINAIC CREWS	BASILIYA SARA SUNIL	2 <sup>nd</sup>
VISIONARY	ABHIJIT PRADHAN	
NEXGEN	SAMBIT KUMAR NAYAK	3 <sup>rd</sup>
AITHLETE EDGE	HIMANSHU SINGH	



GPS Map  
Camera Lite

GIET Rd, Odisha 765022, India

Latitude  
19.048818333333333  
3°

Longitude  
83.83185833333333°

Local 08:44:43 AM  
GMT 03:14:43 AM

Altitude 120 meters  
Tuesday, 04.03.2025



GPS Map  
Camera Lite

GIET Rd, Odisha 765022, India

Latitude  
19.0488232°

Longitude  
83.8318873°

Local 08:45:08 AM  
GMT 03:15:08 AM

Altitude 120 meters  
Tuesday, 04.03.2025



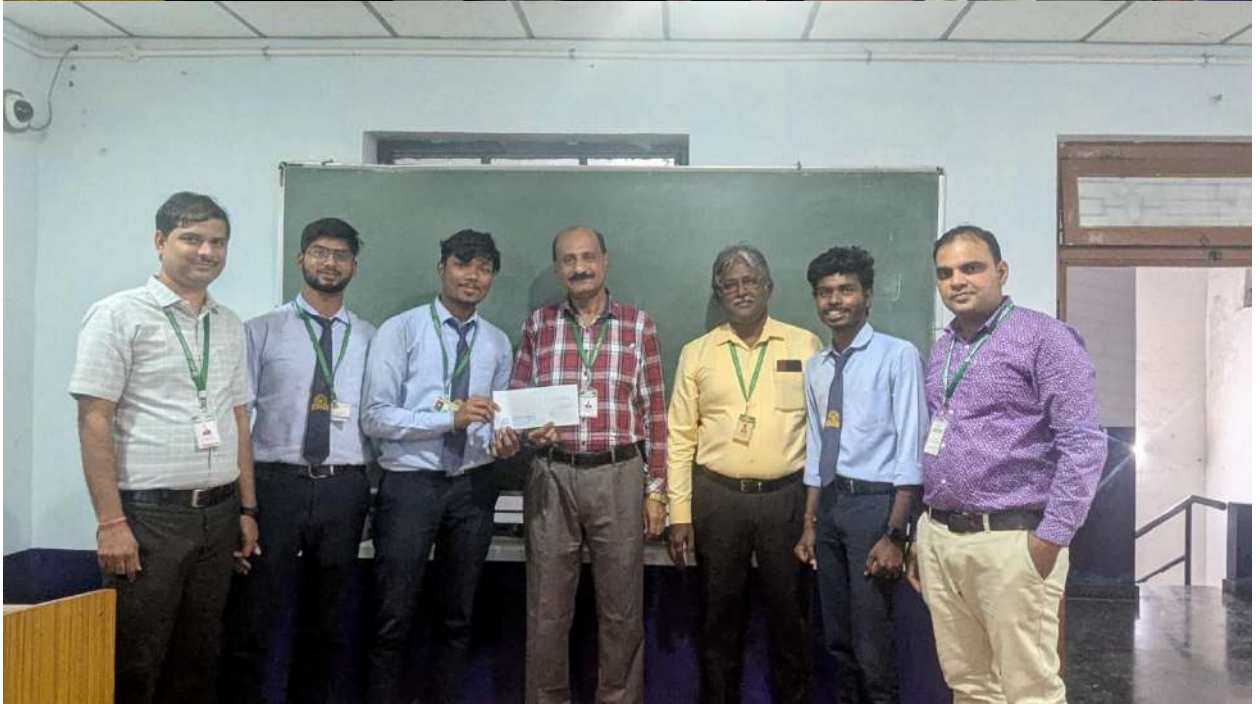


## Judging Round



## Winners







# UNIVERSITY LEVEL HACKATHON-2025

## AI HACKATHON-2025

### IN-LINE WITH INDIA'S VISWA GURU VISION IN AI

in Association with CSC Council, Indo-American Council of Emerging Technologies

**Organized by**  
**AI Chapter & AIML Club**  
**Department of Computer Science and Engineering**  
**GIET University, Gunupur-765022, Odisha**

**1<sup>st</sup> and 2<sup>nd</sup> March 2025**



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Registration Start	4 February 2025
Registration Closed	25 Febaury 2025
University Level Hackathon-2025	1 <sup>st</sup> and 2 <sup>nd</sup> March 2025



**Team Registration Form:** <https://forms.gle/i2eQyqXok45d5e6A7>

**Contact us:**

**Dr. Raghvendra Kumar**  
 Professor, Department of CSE  
 GIET University, Gunupur, Rayagada,  
 Odisha-765022, India  
 Mob: +91-7804068698  
 Email: [raghvendra@giet.edu](mailto:raghvendra@giet.edu)

## World Intellectual Property Day 2025 “IPR in the Age of AI: Ownership, Ethics, and Innovation”

On World Intellectual Property Day, GIET University proudly achieved a historic milestone by filing 51 patents in a single day, showcasing the spirit of innovation and research excellence across our campus. The event was enriched by the inspiring presence of eminent speakers: Dr. Sandeep A. Meshram, Dean, COEP Technological University (formerly College of Engineering, Pune), Dr. Nitin Khedkar, Professor & Deputy Director (Administration), Symbiosis Institute of Technology, Pune, Dr. Priggya Arora, Founder and Intellectual Property Attorney, PA Legal, New Delhi, Mr. Ashutosh Nanda, Founder, FastPat IP Consulting Services, Bhubaneswar, Dr. Sachikanta Kar, Advisor, C.V. Raman Global University & IPR/Geographical Indication Consultant, MSME Department, Government of Odisha, Dr. T. Pavan Kumar, Principal Scientist, CSIR-Institute of Minerals and Materials Technology (IMMT), Bhubaneswar, We were deeply motivated by the inspiring addresses from: Prof. Dr. Lalit Mohan Patnaik, Pro-Chancellor, GIET University, Prof. Dr. A.V.N.L. Sharma, Vice-Chancellor, GIET University, Dr. N.V. Jagannadha Rao, Registrar, GIET University, Their visionary insights emphasized the importance of innovation, intellectual property protection, and fostering a research-driven academic environment. We congratulate all the 51 faculty innovators who made this achievement possible and look forward to many more milestones in our journey toward global excellence!

Supported by

NITI Aayog | AICTE | GIET UNIVERSITY GUNUPUR | INSTITUTION'S INNOVATION COUNCIL | INCUBATEX | E-YUVA CENTER GIET UNIVERSITY



GANDHI INSTITUTE OF ENGINEERING & TECHNOLOGY UNIVERSITY,  
ODISHA, GUNUPUR

# WORLD INTELLECTUAL PROPERTY DAY

26<sup>th</sup> April, 2025

## IPR in the Age of AI: Ownership, Ethics, and Innovation

### IP EXPERTS

 <b>DR. T. PAVAN KUMAR</b> Principal Scientist – Chemistry & IPR CSIR - Institute of Minerals & Materials Technology (IMMT)	 <b>MS. PRIGGYA ARORA</b> Founder PA Legal	 <b>MR. ASHUTOSH NANDA</b> Founder FastPat IP Consulting Services	 <b>DR. SACHI KANTA KAR</b> Chief of Mkt, Consultancy, Quality & Head UN WIPO TISC - IPSC
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Join us on April 26th, 2025

Mega Auditorium, GIETU



**DR. T. PAVAN KUMAR**  
Principal Scientist –  
Chemistry & IPR  
CSIR - Institute of Minerals &  
Materials Technology (IMMT)

**MS. PRIGGYA ARORA**  
Founder  
PA Legal

**MR. ASHUTOSH NANDA**  
Founder  
FastPat IP Consulting  
Services

**DR SACHI KANTA KAR**  
Chief of Mkt, Consultancy,  
Quality & Head  
UN WIPO TISC - IPSC

Join us on April 26th, 2025

Mega Auditorium, GIETU





**FACULTY DEVELOPMENT PROGRAMME (FDP) ON Machine Learning Operations (MLOps) (23-28/06/2025)** Organized by Department of Computer Science and Engineering, School of Engineering and Technology, GIET University, Gunupur, Odisha, *In association with E & ICT Academy, NIT Warangal, Telangana, Sponsored by Ministry of Electronics and Information Technology (MeitY), GoI.*

The Inaugural Ceremony of the Faculty Development Program held on 23rd June 2025 commenced at 09:30 AM with the formal invitation of esteemed guests to the dais. This was followed by a warm welcome address by the FDP Coordinator, Dr. Raghvendra Kumar of GIET University. Subsequent addresses were delivered by key academic leaders, including Dr. K M Gopal, Dy. Dean of Computational Sciences, and Dr. Dulu Patnaik, Dean of the School of Engineering and Technology. The Vice Chancellor, Dr. A. V. N. L. Sharma, shared his vision and encouragement for the initiative. A special address was given by Dr. Sanjaya Kumar Panda from the E&ICT Academy, NIT Warangal, highlighting the collaborative spirit of the program. The expert guest speaker, Mr. Sreekanth Jaladanki from Fireflink Pvt. Ltd., Bengaluru, shared industry insights that enriched the session. The ceremony concluded with a heartfelt vote of thanks by FDP Co-Coordinator, Dr. Bidush Kumar Sahoo, and expressing gratitude to all dignitaries, participants, and organizers for their contributions to the successful launch of the event.



Administrative Block, GIET Rd, Odisha 765022, India

Latitude

19.048366666666666°

Longitude

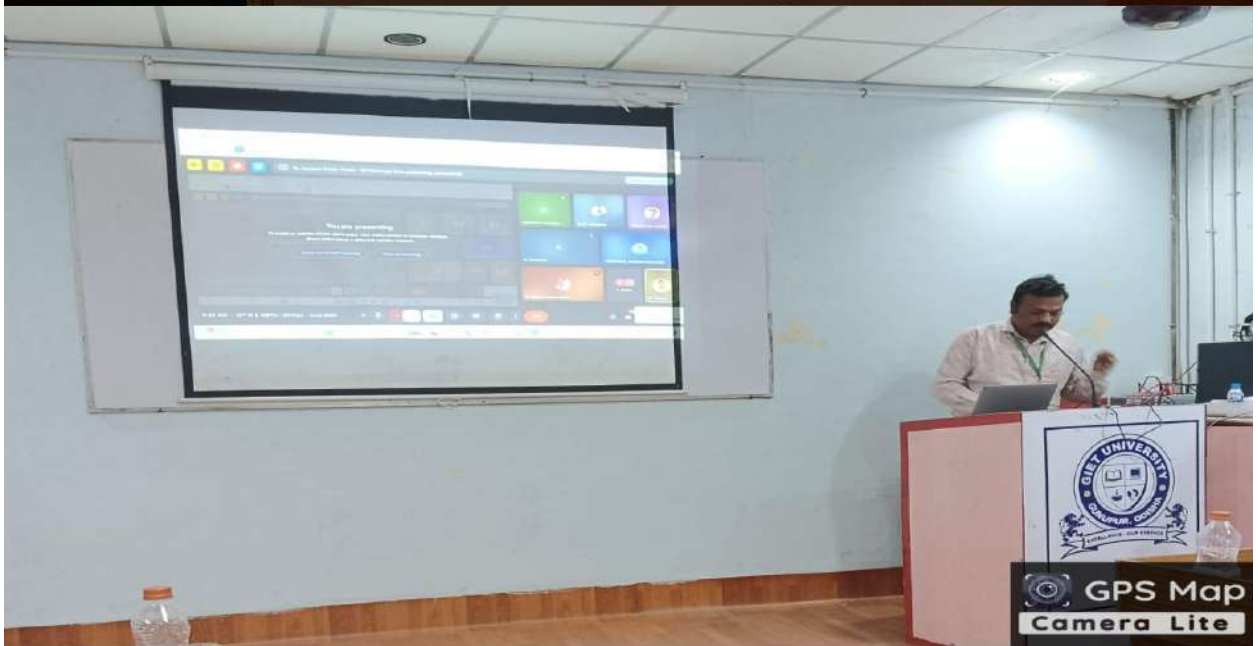
83.83174166666667°

Local 09:19:30 AM

GMT 03:49:30 AM

Altitude 120 meters

Monday, 23.06.2025



Administrative Block, GIET Rd, Odisha 765022, India

Latitude

19.048393333333333°

Longitude

83.83176833333333°

Local 09:49:06 AM

GMT 04:19:06 AM

Altitude 120 meters

Monday, 23.06.2025



Administrative Block, GIET Rd, Odisha 765022, India

Latitude

19.048433333333333°

Longitude

83.831755°

Local 09:46:46 AM

GMT 04:16:46 AM

Altitude 120 meters

Monday, 23.06.2025



Administrative Block, GIET Rd, Odisha 765022, India

Latitude

19.048418333333334°

Longitude

83.831690000000001°

Local 09:59:48 AM

GMT 04:29:48 AM

Altitude 120 meters

Monday, 23.06.2025



Administrative Block, GIET Rd, Odisha 765022, India

Latitude

19.048385°

Longitude

83.83188666666668°

Local 09:16:39 AM

GMT 03:46:39 AM

Altitude 120 meters

Monday, 23.06.2025

### Programme Schedule

Date	09:00AMto11:00AM	11:10AMto01:10PM	02:00PMto04:00PM	04:10PMto06:10 PM
23/06/2025 (Monday)	08:30AMto09:00AM: Inauguration <b>Session1</b>	NN Variants <b>SKP</b>	Task Scheduling for Decentralized LLM Serving <b>SKP</b>	Federated Learning <b>SKP</b>
	Introduction to ML <b>SKP</b>			
Day1	sanjaya@nitw.ac.in	sanjaya@nitw.ac.in	sanjaya@nitw.ac.in	sanjaya@nitw.ac.in
24/06/2025 (Tuesday)	<b>Session5</b> Python Essentials for MLOps <b>NP</b>	Essential Data Science and Math For MLOps <b>SJ</b>	DevOps and Hands-On <b>SJ</b>	Data Ops <b>NP</b>
Day2		sreekanthjaladanki@gmail.com	sreekanthjaladanki@gmail.com	
25/06/2025 (Wednesday)	<b>Session9</b> Hands-On <b>SJ</b>	Deployment Fundamentals Containers <b>NP</b>	Hands-On Practice <b>NP</b>	Container OrchestrationBasics Kubernetes & Hands-On <b>SJ</b>
Day3	sreekanthjaladanki@gmail.com			sreekanthjaladanki@gmail.com
26/06/2025 (Thursday)	<b>Session13</b>	<b>Session14</b>	NA	NA
	TBA			

y)	KMG	RK	NA	NA
Day4		raghvendra@giet.edu	NA	NA
27/06/2025 (Friday)	Session15 MLFlow and Kubeflow UP	Session16 MLOps in Cloud-I UP	Session17 MLOpsin Cloud-II UP	Session18 Hands-On Practice UP
Day5	udaypawar037@gmail.com	udaypawar037@gmail.com	udaypawar037@gmail.com	udaypawar037@gmail.com
28/06/2025 (Saturday)	Session19 Software Engineering Principles and Security for MLOps - I SY	Session20 Software Engineering Principles and Security for MLOps - II SY	Test, Feedback and Valediction (06:10 PM to 06:30 PM)	
Day6				

**SKP:** Prof.Sanjaya Kumar Panda ,NIT Warangal  
**NP:** Ms.Nikitha P., CatchPoint, Bengaluru  
**SJ:** Mr. Sreekanth Jaladanki, Fireflink Private Limited, Bengaluru  
**KMG:** Prof. K. Murali Gopal, GIET University  
**RK:** Prof. Raghavendra Kumar, GIET University  
**UP:** Mr. Uday Pawar, Rest Coder Academy, Bengaluru  
**SY:** Mr. Syed, Rest Coder Academy, Bengaluru

Session 1: Prof. Sanjaya Kumar Panda, NIT Warangal  
 Topic: Introduction to ML



Session 2: Prof. Sanjaya Kumar Panda, NIT Warangal  
 Topic: Task Scheduling for Decentralized LLM Serving

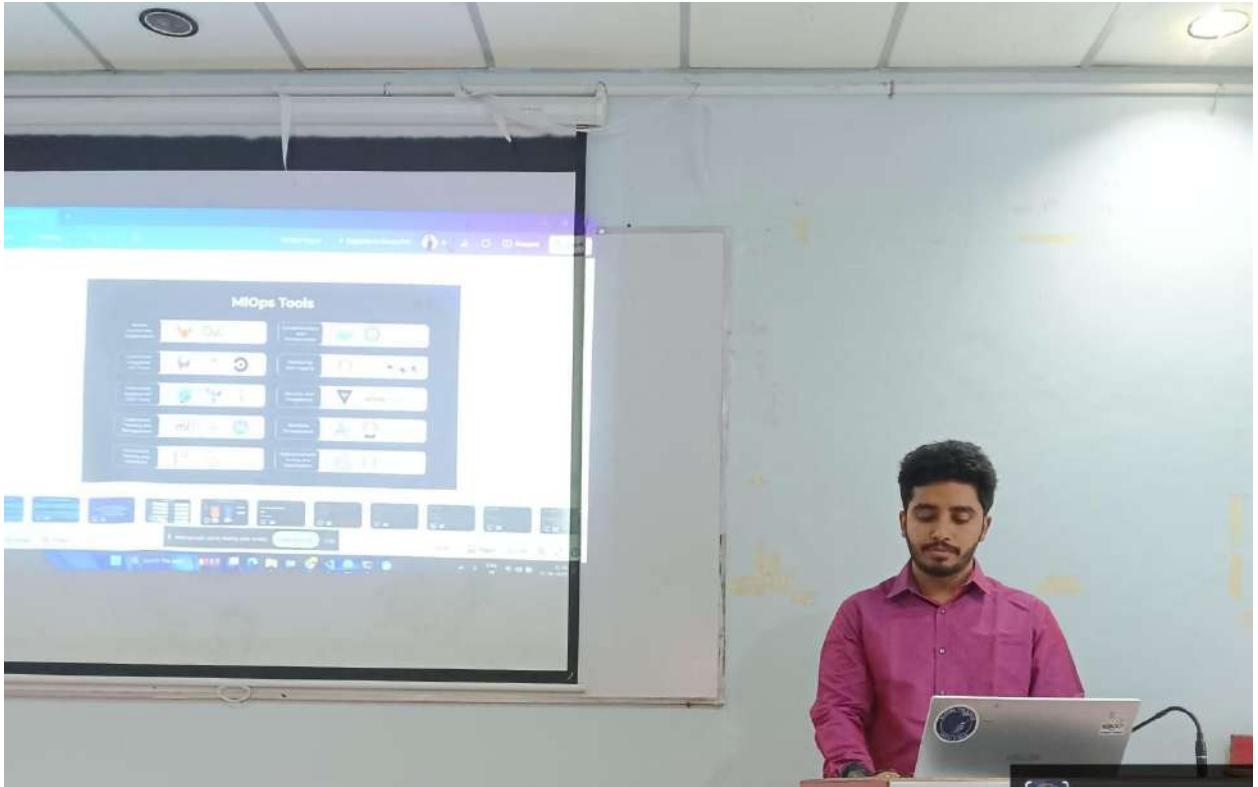


Session 3 & 4: Prof. Sanjaya Kumar Panda, NIT Warangal  
Topic: NN Variants & Federated Learning



Session 5 to 8: Mr. Sreekanth Jaladanki, Fireflink Pvt Limited, Bengaluru  
Topic: Python Essentials for MLOps, Essential Data Science and Math For MLOps, ,  
DevOps and Hands-On and Data Ops





Session 9 to 12: Ms.Nikitha P., CatchPoint, Bengaluru  
Topic: Python Essential for MLOps



3R2H+H34, SH 4, Odisha 765022, India

Latitude  
19.0517392°

Longitude  
83.8279116°

Local 09:22:49 AM  
GMT 03:52:49 AM

Altitude 107 meters  
Wednesday, 25.06.2025

Session 13: Dr. Raghvendra Kumar, Department of CSE, GIET University, Gunupur  
Topic: MLOps



Session 14: Dr. K M Gopal, Department of CSE, GIET University, Gunupur  
Topic: Integration of ML with MLOps



Session 15 and 16: Mr. Uday Pawar, Rest Coder Academy, Bengaluru  
Topic: MLFlow and Kubeflow and MLOps in Cloud-I



Session 17 and 18: Mr. Uday Pawar, Rest Coder Academy, Bengaluru  
Topic: MLFlow and Kubeflow and MLOps in Cloud-II



Session 19 and 20: Mr. Syed, Rest Coder Academy, Bengaluru  
Topic: Software Engineering Principals for MLOps



Administrative Block, GIET Rd, Odisha 765022, India

Latitude  
19.048433333333333°

Longitude  
83.831684999999998°

Local 11:26:42 AM  
GMT 05:56:42 AM

Altitude 120 meters  
Saturday, 28.06.2025







**Rayagada, Odisha, India**

Administrative Block, Giet Rd, Odisha 765022, India, Rayagada,  
Odisha 765022, India

Lat 19.048435° Long 83.831809°  
28/06/2025 05:16 PM GMT +05:30







### Participants List

S/No.	Full Name	College Name	Designation
1	RACHAKONDA SRINIVAS	GIET University, Gunupur, Odisha	Phd Scholar
2	URITI SAHITI	Gayatri Vidya Parishad College for Degree and PG courses (A)	Assistant Professor
3	DR. BIDUSH KUMAR SAHOO	GIET University	Associate professor
4	TULASIRAJU NETHALA	SWARNANDHRA COLLEGE OF ENGINEERING AND TECHNOLOGY	ASSOCIATE PROFESSOR
5	KRISHNARAO PATWARI	GEETHANJALI COLLEGE OF ENGINEERING AND TECHNOLOGY, HYDERABAD	ASSISTANT PROFESSOR
6	PUNAM PRAKASH PATIL	SPPU PUNE	Assitant Professor
7	GUDE SUCHITRA	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	ASSOCIATE PROFESSOR
8	BHARAT VEERLA	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	ASSOCIATE PROFESSOR
9	GUDE SUCHITRA	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	ASSOCIATE PROFESSOR
10	P.SABITHA	GIETU	RESEARCH SCHOLAR
11	NAKKANABOINA JAGADEESH	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	ASOCIATE PROFESSOR
12	ANGIREKULA VENKATA RAMAKRISHNA	SRI SARATHI INSTITUTE OF ENGINEERING AND TECHNOLOGY	ASSOCIATE PROFESSOR
13	ROOPADEV CHANDANALA	GIET UNIVERSITY	Assistant professor

14	Akula swathi	GIET university	Associate Professor
15	Pathivada Monika	Avanthi Institute of Engineering and Technology	Assistant Professor
16	RAJENDRA KUMAR MAHANTA	GIET University, Gunupur	LECTURER
17	HARI KRISHNA MARRAPU	GMR INSTITUTE OF TECHNOLOGY	Assistant professor
18	KANCHI MANIPAL	GIET University Gunupur, Odisha	Research Student
19	JITENDRA KUMAR GARDIA	OP JINDAL UNIVERSITY , RAIGARH	Asst. Professor
20	SUBHRASMITA BHOI	PKA GROUP OF INSTITUTION	Senior lecturer
21	SASHI BHUSAN NAYAK	RAVENSHAW UNIVERSITY, CUTTACK	ASST. PROF.
22	SADANANDA BEHERA	GIET UNIVERSITY	Research fellow
23	D.PADMAVATHI	GIET university	Research Scholar
24	GURUGUBELLI V S NARAYANA	GIET UNIVERSITY	Assistant Professor
25	RAKESH PATNAIK	GIET UNIVERSITY	Research Scholar
26	G KALYAN CHAKRAVARTHI	E & T Program, GVPCDPGC(A)	Assistant Professor
27	NILAMBAR SETHI	GIET University, Gunupur Odisha	ASSOCIATE PROFESSOR
28	BANI PRASAD NAYAK	GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY (GIET) UNIVERSITY	Asst. Prof.
29	Rabinarayan Panda	GIET UNIVERSITY	Research scholar
30	SITANSHU KAR	GIET UNIVERSITY	ASST. PROF.
31	SANDHYARANI DASH	GIET University	Lecturer
32	DILLIP KUMAR MISHRA	GIET	Assistant Professor
33	Padma Bellapukonda	Shri Vishnu Engineering College for Women	Assistant Professor
34	VEMAKOTI SANTOSH KRISHNA CHAITANYA	GIET University	Assistant Professor
35	KIRAN KUMAR VELALA	GIET UNIVERSITY GUNUPUR	ASSISTANT PROFESSOR
36	CHANDRA SEKHAR DASH	GIET University, Gunupur	Research Scholar
37	ABINASH MOHANTY	Satyasai engineering college	Assistant professor
38	Satyabrata Patro	GIET	Research Scholar
39	RAMESH DHULIPUDI	GIET University, Gunupur	Research Scholar
40	BIBHUPRASAD BHOI	GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY(GIET), GUNUPUR	Research Scholar
41	Y.YESU JYOTHI	Shri Vishnu Engineering College for Women	Assistant Professor
42	K.MURLIDHAR	Methodist College of Engineering and Technology	Assistant.Professor
43	CHAITANYA PAMPANA	GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY	Research Scholar
44	SASIBHUSHANA RAO GUDIVADA	GIET UNIVERSITY	RESEARCH SCHOLAR (Ph.D STUDENT)

45	Mata Shankar Rao	GIET University, Gunupur	PhD Student
46	SENA MADHU BINDU	GIET UNIVERSITY	PhD Scholar
47	SAGAR VEMANI	GIET UNIVERSITY, GUNUPUR	Research Scholar
48	THAMMA KISHORE REDDY	VIKAS GROUP OF INSTITUTIONS	ASSOC PROFESSOR

**FACULTY DEVELOPMENT PROGRAMME (FDP)**  
**ON**  
**MACHINE LEARNING OPERATIONS (MLOPS)**  
**23<sup>rd</sup> JUNE TO 28<sup>th</sup> JUNE-2025**

Organized by  
Department of Computer Science and Engineering  
School of Engineering and Technology  
GIET University, Gunupur, Odisha

In association with  
E & ICT Academy, NIT Warangal, Telangana

Sponsored by  
Ministry of Electronics and Information Technology (MeitY), Govt. of India

**Resource Persons**

  
Dr. Sanjaya Kumar Panda  
Assistant Professor  
Department of CSE, NIT Warangal

  
Mr. Sreekanth Jaladanki  
Fireflink Pvt Limited, Bengaluru

  
Ms. Nikitha P.  
Catch Point, Bengaluru

  
Mr. Uday Pawar  
RestCoder Academy, Bengaluru

  
Mr. Syed  
RestCoder Academy, Bengaluru

## 26th Annual ISTE Students Convention of Odisha Section and National Seminar on “India's AI Revolution: Viswa Guru AI” (11th – 12th July 2025)

The 26th Annual ISTE Students Convention of Odisha Section, coupled with the National Seminar on the theme “India's AI Revolution: Viswa Guru AI,” was held with great enthusiasm at GIET University, Gunupur, from 11th to 12th July 2025. The event aimed to explore India's transformative journey in Artificial Intelligence and its growing prominence as a global thought leader—Viswa Guru—in emerging technologies. The grand inaugural session took place on 11th July at the MBA Auditorium of GIET University. The day commenced with a warm welcome and traditional gesture of flower garlanding at the Mahatma Gandhi statue in the Administrative Block from 9:00 AM to 9:30 AM. This was followed by the ceremonial Lighting of the Lamp and Saraswati Vandana, symbolizing the pursuit of knowledge and wisdom. The formal proceedings began with an introductory address by Mr. Manas Ranjan Panda, Coordinator, ISTE Chapter, GIET University, who welcomed the dignitaries, participants, and students while highlighting the objectives of the seminar. This was followed by insightful remarks from Dr. Dulu Patnaik, Dean of SOET, and Prof. AVNL Sharma, Vice Chancellor

of GIET University, emphasizing the role of academic institutions in nurturing AI-driven innovations. Dr. P. K. Parhi, Chairman of ISTE Odisha Section, addressed the gathering and underscored the importance of technical education and collaborative student efforts in AI-driven research. The highlight of the session was the keynote address by Prof. D. P. Agarwal, Former Chairperson, UPSC, who served as the Chief Guest. He provided an enlightening perspective on India's potential to become a global AI leader, drawing from his vast experience in education, governance, and policy.

Following the addresses, a felicitation ceremony was held to honor the esteemed guests for their contributions to the academic and scientific community. The session concluded with a vote of thanks by Dr. Raghvendra Kumar, Co-Coordinator of the event, who acknowledged the tireless efforts of the organizing committee, participating institutions, student volunteers, and dignitaries for making the event a grand success. The seminar continued with a series of technical sessions, student presentations, and panel discussions over the two days, offering a rich platform for young minds to exchange ideas and collaborate on innovations in Artificial Intelligence for a sustainable and inclusive future.

- Mr. Madhu Vadlamani, who delivered a highly informative Keynote Address on Day 1, opening our minds to the possibilities and ethical implications of AI in nation-building.
- Mr. Vidyasagar T, who highlighted practical AI use cases and real-world industry applications that are transforming how businesses and governance function.
- Mr. Sai Prashanth, whose Keynote on Day 2 was an eye-opener on AI innovation ecosystems and the role of startups in the AI revolution.
- Mr. Swaraj Dhar, Co-Founder & Director of The Edvisors, for sharing invaluable insights on AI in education and skill development, aligning with India's NEP 2020 goals.











**GIET UNIVERSITY**  
11 July 2025 11:59:29  
Lat: 19.049301, Long: 83.832413



## Convener

**Mr. Manas Ranjan Panda**  
Asst. Professor  
Department of ME, GIET University  
Gunupur, Rayagada, Odisha-765022, India  
Mob: +91-9437770585  
Email: manaspanda@giet.edu

## Co-Convener

**Dr. Raghvendra Kumar**  
Professor  
Department of CSE, GIET University  
Gunupur, Rayagada, Odisha-765022, India  
Mob: +91-7804068698  
Email: raghvendra@giet.edu

## REGISTRATION FORM

(Please fill in block letters only)

NAME OF PARTICIPANT: \_\_\_\_\_

INSTITUTION: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

MOBILE: \_\_\_\_\_

EMAIL: \_\_\_\_\_

TITLE OF ARTICLE: \_\_\_\_\_

CHOICE OF PRESENTATION (ORAL/POSTER)

SIGNATURE OF PARTICIPANT



**26<sup>th</sup> Annual Student Convention of  
ISTE Odisha Section On  
India's AI Revolution: Viswa Guru AI**

**11<sup>th</sup> -12<sup>th</sup> July 2025**



**Organized by  
Gandhi Institute of Engineering and Technology  
University, Odisha, Gunupur - 765022, India**

[www.giet.edu](http://www.giet.edu)  
Email: registraroffice@giet.edu



Registration Link: <https://forms.gle/ZmX6vCZee44q7wYz9>

### Note:

- Participants have to fill the registration forms with payment details
- Delegates are requested to complete the registration process as early as possible to avoid last minute rush.
- Spot registration of delegates may be considered on request

[www.giet.edu](http://www.giet.edu)



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### About the University

GIET University, Gunupur (formerly known as Gandhi Institute of Engineering and Technology) was established by "Vidya Bharati Educational Trust," Gunupur, Odisha, India in the year 1997. Since inception, the Trust promotes Technical Education in India with a motto of providing Quality Education in a highly disciplined and conducive environment with International Standards. GIET University, Gunupur - A tranquil paradise, away from the noise and bustle of an urban area, surrounded by lush greenery and nestled in the beautiful foothills of eastern India. This is one of the most prestigious universities of India. It has come out as the top in eastern India because of many reasons: 23 years pioneering educational establishment and a great temple of learning, which has welcomed intellectual, cultural and social giants from the length and breadth of the country who left indelible footprints on the sands of time making GIET University a proud alma-mater. There are more than 3700 students at GIET University, Gunupur with combination of graduates and postgraduates. High discipline: 100% rigging free environment with zero loss of working days and also 300+ top class faculty, attractive campus of 113.63 acres, incomparable infrastructure with 110 laboratories, 4 state-of-art workshops, 20 high end computer labs and 64 modern classrooms and 7 air conditioned auditoriums and hostels having 2817 boarders of 12 boys hostel and 11 girls hostel with generator backup, Wi-Fi internet & 24hrs security system. Currently, university offers admissions to various UG, PG & Doctoral program in of various discipline and specialization like Computer Engineering, Electronics and Communication Engineering. The Institute faculty members are highly dedicated to carrying out interdisciplinary researches and design-oriented projects in line with the mission and vision of the University.

### About ISTE

Indian Society for Technical Education (ISTE) is the leading National Professional non-profit making Society for the Technical Education in the field of engineering and technology registered under the Societies Registration Act of 1860. The organization established in the year 1941 with the motto of Career Development of Engineering Teachers and Personality Development of Students and overall development of our Technical Education System. At present, ISTE has a very large and an effective membership base consisting of 1,33,325 technical teachers as Life Members, 5 lakh Student members, 3052 Institutional Members (including IITs, IISc, NITs and other leading technical institutions), 1453 faculty chapters and 1699 students' chapters and 19 Sections at State level throughout the country. The major objective of the ISTE is to provide quality training programmes to the teachers and the administrators of technical institutions. This is enabling to update their knowledge and skills in their fields and lead to the production and development of top-quality professional engineers and technicians needed by the industry and other organizations.

### About the Convention

The 26th Annual Student Convention of the ISTE Odisha Section, themed "India's AI Revolution: Viswa Guru AI", is set to be a landmark event focusing on India's leadership in artificial intelligence. While specific details about the seminar's date and venue have not been officially released, the convention is expected to align with national initiatives promoting AI integration in education and industry.

### Subthemes of the Convention

- AI Integration in Education
- Ethical AI and Societal Impact
- AI for Sustainable Development
- Industry-Academia Collaboration
- AI in Governance and Public Services

### Call for Papers

- Researchers are invited for and Prospective authors are invited to submit full length papers reporting original unpublished research and recent developments in the topics related to the conference.
- Length of paper should be maximum 8 pages. Papers need to be submitted in the IEEE format as word document. Images, Charts, Graphs if added must be of high resolution ensuring readability.
- All papers will undergo double-blind peer review process.
- The Convention organizers regard plagiarism as serious ethical misconduct. All submissions will be screened for plagiarism and when if identified, the submissions will be rejected.
- The Convention doesn't encourage withdrawals after the paper is accepted.
- Accepted papers shall be deemed for copyright transfer and declaration of originality prior publication.
- Authors should submit their full length papers through email on manaspanda@giet.edu.

### Publications

Papers will be accepted for the conference presentation and selected papers will be published in ISBN conference proceedings.

### Important dates

Call for Papers	25/05/2025
Submission of full Paper	25/06/2025
Acceptance of full Paper	30/06/2025
Last date of Registration	05/07/2025

### Registration Fees

Category	Amount (INR)
Student (ISTE Member)	200
Student (Non-ISTE Member)	250
Faculty Member (ISTE Member)	300
Faculty Member (Non-ISTE Member)	350
Delegates from Industry	500

### Payment

Prospective authors and attendees may refer to the table above to identify the registration fee according to the category.

The account details for making the payment are provided in registration form.

Participants to retain UTR of payment transfer and shall produce when asked by organizers

### Accommodation

Accommodation and transportation request to be made well in advance and shall confirm for availability by the event coordinators. Participants however are advised to make their own arrangements.

### Committee Members

#### Chief Patron

- Prof. Satya Prakash Panda, President, GIET University
- Prof. Chandu Dhwaj Panda, Vice-President, GIET University
- Dr. Pratim Kishore Das, President, ISTE New Delhi
- Prof. Jagdish Panda, Director General, GIET University
- Dr. Lali Mohan Pattnaik, Pro-Chancellor, GIET University
- Prof. AVNI Sharma, Vice Chancellor, GIET University

#### Patrons

- Prof. N. V. Jagannadha Rao, Registrar, GIET University
- Dr. S. M. Ali, Executive Secretary, ISTE New Delhi
- Prof. Pravat K. Parhi, Chairman, ISTE Odisha Section
- Dr. Khirad K. Rout, Secretary, ISTE Odisha Section
- Dr. P. Vijaya Kumar, Controller of Examinations, GIET University
- Dr. Dola Pattnaik, Dean, School of Engineering & Technology, GIET University

#### Advisory Committee

- Dr. M. R. Senapati, ISTE, National E.C Member
- Prof. P. K. Saipathi, ISTE, Odisha Section, E.C member
- Dr. Arun Kumar Pattnaik, ISTE, Odisha Section, E.C member
- Dr. Ipsita Jena, ISTE, Odisha Section, E.C member
- Shri Prabhakar K. Singh, ISTE, Odisha Section, E.C member

#### Organizing Committee

- Prof. K. Murali Gopal, Dy. Dean, Computational Sciences, GIET University
- Prof. Neelamadhab Padhy, Dy. Dean, R&D, Computational Sciences, GIET University
- Prof. S.N. Das, Dy. Dean, Academics, GIET University
- Dr. Ajit Kumar Patra, Asst. Registrar, GIET University
- Dr. Manoja Das, HoD, Department of Biotechnology, GIET University
- Dr. Binay Swain, School of Agriculture, GIET University
- Dr. Pratiba Kar, School of Basic Science and Humanity, GIET University
- Dr. Roshni Krushna Padhi, Department of Chemical Engineering, GIET University
- Dr. Prakash Ranjan Sahoo, Department of Civil Engineering, GIET University
- Prof. S. N. Das, Department of Computer Science and Engineering, GIET University
- Dr. Saumendra Das, School of Management Studies, GIET University
- Dr. Kail Chandra Rath, Department of Mechanical Engineering, GIET University

#### CONVENER

##### Mr. Manas Ranjan Panda

Asst. Professor  
Department of ME, GIET University, Gunupur, Rayagada, Odisha-765022, India  
Mob: +91-9437770585  
Email: manaspanda@giet.edu

##### Co-Convener

##### Dr. Raghvendra Kumar

Professor  
Department of CSE, GIET University, Gunupur, Rayagada, Odisha-765022, India  
Mob: +91-7804068698  
Email: raghvendra@giet.edu



# ଜିଆଇଇଟି ଯୁନିଭର୍ସିଟିରେ ଆଇଏସ୍‌ଟିଇ କର୍ମଶାଳା



ଭୁବନେଶ୍ୱର, ୧୧୭ (ବୁଧବେଳା): ଇଣ୍ଡିଆନ ଯୋସାଇଟି ଫର୍ ଟେକ୍ନିକାଲ ଏଜୁକେସନ, ଓଡ଼ିଶା ସେକ୍ଟରର ୨୬ତମ ବାର୍ଷିକ ବିଦ୍ୟାର୍ଥୀ କର୍ମଶାଳା ଜିଆଇଇଟି ଗୁଣ୍ଡାପୁର ଯୁନିଭର୍ସିଟିରେ ଅନୁଷ୍ଠିତ ହୋଇଛି । ଆଇଏସ୍‌ଟିଇ ଓଡ଼ିଶା ସେକ୍ଟରର ଚେୟାରମ୍ୟାନ ପ୍ରଫେସର ପ୍ରଭାତ କୁମାର ପାଢ଼ୀଙ୍କ ଅଧ୍ୟକ୍ଷତାରେ ଅନୁଷ୍ଠିତ ଏହି ସମ୍ମିଳନୀରେ ଯୁପିଏସ୍‌ସିର ପୂର୍ବତନ ଅଧ୍ୟକ୍ଷ ପ୍ରଫେସର ଡି.ପି ଅଗ୍ରୱାଲ ମୁଖ୍ୟ ଅତିଥି ଭାବେ ଯୋଗ ଦେଇଥିଲେ । ଭାରତରେ ଆର୍ଟିଫିସିଆଲ ଇଣ୍ଟେଲିଜେନ୍ସର ଅଭ୍ୟୁଦୟ ଶୀର୍ଷକ ଉପରେ ଅତିଥିମାନେ ଆଲୋଚନା କରିଥିଲେ । ଯୁନିଭର୍ସିଟିର ସ୍କୁଲ ଅଫ୍ ଇଣ୍ଡିଆନ୍‌ସର ଡିନ୍ ପ୍ରଫେସର ଦୁଲୁ ପଟ୍ଟନାୟକ ସ୍ୱାଗତ ଭାଷଣ ଦେଇଥିଲେ । କୁଳପତି ପ୍ରଫେସର ଅନିଲ ଶର୍ମା ବୈଷୟିକ କ୍ଷେତ୍ରରେ ଏଆଇଆର ପ୍ରୟୋଗ ଉପରେ କହିଥିଲେ । କୁଳସଚିବ ପ୍ରଫେସର ଏନ୍‌ଭି ଜଗନ୍ନାଥ ରାଓ ଯୁନିଭର୍ସିଟିର ବୈଷୟିକ କ୍ଷେତ୍ର ସମ୍ପର୍କରେ ଆଲୋଚନା କରିଥିଲେ । ପ୍ରଫେସର ମାନସ ରଞ୍ଜନ ପଣ୍ଡା, ପ୍ରଫେସର ରାଘବେନ୍ଦ୍ର କୁମାର ସଂଯୋଜନା କରିଥିଲେ । ଆଇଏସ୍‌ଟିଇ, ଓଡ଼ିଶା ସେକ୍ଟରର କମିଟି ସଭ୍ୟ ପ୍ରଫେସର ପିକେ ସିଂହ ଓ ପ୍ରଫେସର ଇନ୍ଦ୍ରସିଂହା ଜେନା ବକ୍ତବ୍ୟ ପ୍ରଦାନ କରିଥିଲେ । ପ୍ରଫେସର ମାନସ ରଞ୍ଜନ ପଣ୍ଡା ଧନ୍ୟବାଦ ଦେଇଥିଲେ ।

## **LEARNATHON 4.0**

Unlocking the future: Learn, Build, Innovate  
Learn to Hack - Hack to Learn  
Artificial Intelligence & Machine Learning  
(23<sup>rd</sup> July-26<sup>th</sup> July 2025)

*Organized by*

GIET University, Gunupur-765022  
In association with  
COIGNITE Edutech Services PVT LTD

LEARNATHON 4.0, a flagship four-day AI & ML-based Hackathon and Skill Development Event, was successfully organized from 23<sup>rd</sup> to 26<sup>th</sup> July 2025 at GIET University, Gunupur, in collaboration with COIGNITE Edutech Services Pvt. Ltd. Centered around the powerful theme “Unlocking the Future: Learn, Build, Innovate”, this dynamic event aimed to transform the student learning experience by promoting real-time problem solving, collaborative innovation, and industry-oriented skill building under the tagline “Learn to Hack - Hack to Learn.” The event witnessed an overwhelming response with a record-breaking 2,335 student registrations across various departments. Out of these, more than 700 students from 2<sup>nd</sup> year, 700+ students from 3<sup>rd</sup> year, and over 500 students from 4<sup>th</sup> year actively engaged in workshops, seminars, and hackathon challenges. Students were grouped into teams to work on real-world problems in domains like MedTech, BFSI, and Social Impact under the guidance of industry experts and mentors. The four-day event featured multiple expert talks, technical workshops, domain-specific problem statements, and an intense 36-hour hackathon spread across two days. Eminent speakers and professionals from organizations like Microsoft, Nagarro, Hexagon, STRAIVE, Accordian, and more participated and interacted with the students, enriching the overall experience. LEARNATHON 4.0 not only enhanced technical proficiency but also nurtured leadership, teamwork, and innovation among young minds making it one of the largest and most impactful technical events in the university’s history.

### **Schedule [23/07/25] INAUGURAL SCHEDULE**

<b>Time</b>	<b>Event Mega Audi (2<sup>nd</sup> Year Students)</b>
09:00-09:05	Inviting the Guests to the Dias
09:05-09:10	Lighting of the Lamp and Saraswati Vandana
09:10-09:15	Welcoming Address by Dr. K M Gopal, Dy. Dean, Computational Sciences, GIET University
09:15-09:25	Address by Dr. Dulu Patnaik, DEAN School of Engineering & Technology, GIET University
09:25-09:50	Address by Mr. Seshu Sanyasi Naidu Kandregula, CEO, Co-Ignite EDU Tech Seviles
09:50-10:00	Address by Mr. Krish Chintaluri ,Director , Co-Ignite EDU Tech Services
10:00-11:00	Workshop by Mr. Vikrant Shitole, Head of Traning, CO-IGNITE
11:00-12:00	Problem Discussion by Kalapana Sastry, Former MD – AGHUB ( Online)(Agriculture Domain)
<b>Lunch Break</b>	

1:00PM (23/07/25) to  
11:00 AM (24/07/2025)

Hackathon Begins Day 1 23/07/2025

GIET University, Gunupur-765022, in collaboration with COIGNITE Edutech Services Pvt. Ltd., inaugurated LEARNATHON 4.0 today an intensive four-day innovation-driven event focused on Artificial Intelligence and Machine Learning. Held under the theme “Unlocking the Future: Learn, Build, Innovate”, this highly anticipated event aims to foster a practical learning experience for aspiring tech innovators with the powerful motto: “Learn to Hack - Hack to Learn.” The inaugural session, hosted at the university's Mega Auditorium, commenced with the lighting of the ceremonial lamp and Saraswati Vandana, followed by a series of welcome addresses from the university leadership and partnering industry experts. Dr. K M Gopal, Deputy Dean of Computational Sciences, GIET University, warmly welcomed the participants and guests, emphasizing the significance of experiential learning in today’s fast-evolving technological landscape. He was followed by Dr. Dulu Patnaik, Dean of the School of Engineering and Technology, who stressed the importance of AI & ML in transforming industries and shaping sustainable futures. Mr. Seshu Sanyasi Naidu Kandregula, CEO of COIGNITE Edutech Services, highlighted the need for agile learners and job-ready graduates, while Mr. Krish Chintaluri, Director of COIGNITE, shed light on the startup ecosystem and innovation culture their organization fosters among young minds. The highlight of the inaugural was an expert workshop led by Mr. Vikrant Shitole, Head of Training at COIGNITE, who guided students through AI/ML fundamentals and real-world case studies, preparing them for the rigorous hackathon ahead. Adding value to the event, Dr. Kalpana Sastry, Former Managing Director of AGHUB, delivered an online session focused on AI in Agriculture and Sustainability, outlining domain-specific challenges for the upcoming hackathon. Following the knowledge-packed inaugural, the Hackathon was officially flagged off at 1:00 PM, where student teams dived into solving real-world problems using AI and ML technologies. The 22-hour coding challenge will continue until 11:00 AM on 24th July, testing creativity, collaboration, and critical thinking among the participants. LEARNATHON 4.0 will run until 26th July 2025, packed with mentorship sessions, prototype development, and presentations judged by industry and academic experts. The initiative reaffirms GIET University’s commitment to cultivating innovation, entrepreneurship, and technical excellence in India’s next generation of engineers.









**2nd Year LEARNATHON 4.0**









**Rayagada, Odisha, India**

Department Of Mechanical Engineering, Odisha 765022, India, Rayagada, Odisha 765022, India  
Lat 19.049486° Long 83.833206°  
23/07/2025 03:10 PM GMT +05:30

Google

GPS Map Camera



**Rayagada, Odisha, India**

2rxm+j3x, Odisha 765022, India, Rayagada, Odisha 765022, India  
Lat 19.04949° Long 83.832718°  
23/07/2025 02:59 PM GMT +05:30

Google

GPS Map Camera



Schedule [24/07/25]

### **INAUGURAL SCHEDULE**

<b>Time</b>	<b>Event Mega Audi (3<sup>rd</sup> Year Students)</b>
09:00-09:05	Inviting the Guests to the Dias
09:05-09:10	Lighting of the Lamp and Saraswati Vandana
09:10-09:15	Welcoming Address by Prof. G R K D Satya Prasad, Director, Research & Development, GIET University
09:15-09:20	Address by Dr. D. Anil Kumar, Head of Department CSE, GIET University
09:30-09:40	Address by Dr. Kushwanth Kumar S , Scientist-C, AIC-AMTZ MediValley
09:40-09:50	Address by Dr S Suryanarayana Raju D, Assistant Professor in CSE (AI and ML)
09:50-10:40	Workshop by Mr. Vikrant Shitole, Head of Training, CO-IGNITE
10:40 – 11:40	Problem Discussion by Dr. Kushwanth Kumar S&Dr S Suryanarayana Raju D ( MedTech Domain)
<b>Lunch Break</b>	
1:00PM (24/07/25) to 11:30AM (25/07/05)	Hackathon Begins Day 2 24/07/2025

GIET University, Gunupur-765022, in collaboration with COIGNITE Edutech Services Pvt. Ltd., successfully organized LEARNATHON 4.0, a four-day innovation-driven hackathon focused on Artificial Intelligence and Machine Learning. Themed “Unlocking the Future: Learn, Build, Innovate”, the event was designed to empower students with problem-solving skills, creativity, and hands-on experience in real-time AI/ML challenges. The inaugural ceremony, held on 24th July 2025 at the Mega Auditorium, commenced with a warm welcome by Prof. G R K D Satya Prasad, followed by insightful addresses from Dr. D. Anil Kumar, Dr. Kushwanth Kumar S, and Dr. S Suryanarayana Raju D. A hands-on workshop was conducted by Mr. Vikrant Shitole, Head of Training at COIGNITE, providing key insights into AI/ML development. The Hackathon began on 24th July at 1:00 PM and continued non-stop until 11:30 AM on 25th July. Participants tackled real-world problems in the MedTech domain, guided by domain experts. LEARNATHON 4.0 served as a dynamic platform for students to learn, collaborate, innovate, and transform ideas into impactful solutions.





**3rd Year LEARNATHON 4.0**







**Schedule [25/07/25]  
INAUGURAL SCHEDULE**

<b>Time</b>	<b>Event Mega Audi (4<sup>th</sup> Year Students)</b>
09:00-09:05	Inviting the Guests to the Dias
09:05-09:10	Lighting of the Lamp and Saraswati Vandana
09:10-09:15	Welcoming Address by Dr. Bibhu Prasad, Head of Department ECE, GIET University
09:15-09:20	Address by Dr. V. S. Devadas, DEAN, School of Agriculture
09:20-09:35	Address by Dr. Gundala Naga Raju ,CEO Smartmeiten
09:35-09:45	Address by Sonia Govindarajulu , Data Analyst , STRAIVE
09:45-10:45	Workshop by Mr. Vikrant Shitole, Head of Traning, CO-IGNITE
10:45-11:45	Problem Discussion by Dr. Gundala Naga Raju (BFSI Domain)
<b>Lunch Break</b>	
1:00PM (25/07/25) to 11:30AM (26/07/05)	Hackathon Begins Day 3 25/07/2025

The third day of LEARNATHON 4.0, held on 25th July 2025 at GIET University, Gunupur-765022, in association with COIGNITE Edutech Services Pvt. Ltd., was marked by another impactful inaugural ceremony followed by insightful sessions and the continuation of the 36-hour Hackathon. The day began at 9:00 AM with the ceremonial inviting of guests to the dais, followed by the lighting of the lamp and Saraswati Vandana that set a spiritual and solemn tone for the proceedings. Dr. Bibhu Prasad, Head of the Department of ECE, delivered the Welcoming Address, appreciating the spirit of innovation and collaboration among the participants. The audience was then addressed by esteemed dignitaries including Dr. V. S. Devadas, Dean of the School of Agriculture. Notable speakers such as Dr. Gundala Naga Raju, CEO of Smartmeiten, and Ms. Sonia Govindarajulu, Data Analyst at STRAIVE, shared their industrial insights and encouraged students to build scalable, AI-powered solutions. A hands-on workshop conducted by Mr. Vikrant Shitole, Head of Training at COIGNITE, further equipped participants with practical tools in Artificial Intelligence. This was followed by a domain-specific Problem Discussion session in the BFSI (Banking, Financial Services, and Insurance) domain led by Dr. Gundala Naga Raju, preparing participants for the upcoming challenge. Post-lunch, the Hackathon resumed at 1:00 PM, continuing through

the night until 11:30 AM on 26th July, giving students a dynamic platform to apply their learning in real-time projects.







4th Year LEARNATHON 4.0







**Schedule [26/07/25]**

**Morning Seminar**

Time	Event Mega Audi 26/07/2025
9:30 - 9:32	Inviting the Guests to the Dias
9:32 - 9:35	Lighting of the Lamp and Saraswati Vandana
9:35 - 9:40	Welcoming Address by Dr. Prativa Kar, Department of BSH, GIET

	University
9:40 – 9:55	Address by Ms. Kavya Paidipalli, Principal Engineer , NAGARRO
9:55 – 10:10	Address by Mr. Srinivasa Rao Jagarlamudi, Executive Director, Accordian
10:10 – 10:55	Address by Mr. Pallapothu Lakshmi Srinivasa Rao, Sr. Data & Analytics Engr. Hexagon
10:55 – 11:40	Address by Special Guest Dr. Lakshmi Godavarthi, Founder / Director, Vizag Speech and hearing centre
11:40 – 1:10	Address by Guest of Honor Mr. Agastya Venkata Nagendra Santosh , Sr. Eng Mgr-Data & Analytics Microsoft
1:10 – 1:40	Address by Chief Guest Dr. Anil Kumar Tentu, Regional Employment and Training officer, Government of Andhra Pradesh
<b>Lunch Break( 1:40 – 2:30)</b>	

The final day of LEARNATHON 4.0 at GIET University, Gunupur, began with an inspiring Morning Seminar on 26th July 2025, aimed at bridging the gap between academic learning and industry expectations. The event brought together esteemed industry professionals and academic leaders to motivate and guide young innovators. The seminar commenced at 9:30 AM with a formal invitation of guests to the dais, followed by the Lighting of the Lamp and Saraswati Vandana, symbolizing the beginning of a knowledge-rich session. Dr. Prativa Kar from the Department of Basic Sciences and Humanities delivered the Welcoming Address, appreciating the participants' enthusiasm and resilience throughout the hackathon. Ms. Kavya Paidipalli, Principal Engineer at NAGARRO, delivered an inspiring talk on adapting to evolving tech landscapes. This was followed by Mr. Srinivasa Rao Jagarlamudi, Executive Director at Accordian, who emphasized innovation in digital transformation. Mr. Pallapothu Lakshmi Srinivasa Rao, Senior Data & Analytics Engineer at Hexagon, provided valuable insights into data engineering trends. The seminar gained momentum with a thought-provoking address by Dr. Lakshmi Godavarthi, Founder and Director of Vizag Speech and Hearing Centre, who discussed the application of AI in health and assistive technologies. The highlight was the address by Guest of Honor Mr. Agastya Venkata Nagendra Santosh, Senior Engineering Manager - Data & Analytics at Microsoft, who inspired students to build future-ready solutions using AI/ML. The session concluded with an impactful keynote by Chief Guest Dr. Anil Kumar Tentu, Regional Employment and Training Officer, Government of Andhra Pradesh, emphasizing the role of skill-building and innovation in national development. The seminar concluded with a lunch break at 1:40 PM, marking a successful culmination of insightful knowledge sharing.









**Schedule [26/07/25]**  
**CLOSING SCHEDULE and PRIZE DISTRIBUTION**

Time	Event Mega Audi 26/07/2025
03:00PM-03:02PM	Inviting the Guests to the Dias
03:02PM-03:04PM	Lighting of the Lamp and Saraswati Vandana
03:04PM-03:07PM	Welcoming Address by Dr. Jyotirmaya Mishra, T&P Cell
03:07PM-03:17PM	Address by Dr. NVJ Rao, Registrar, GIET University
03:17PM-03:27PM	Address by Expert Mr. Agastya Venkata Nagendra Santosh, Sr. Eng Mgr-Data & Analytics Microsoft
03:27PM-03:37PM	Address by Expert Mrs. Kavya Paidipalli , principalengineer, NAGARRO
03:37PM-03:47PM	Address by Expert Mr. Srinivasa Rao Jagarlamudi, Executive Director, Accordian
03:47PM-03:57PM	Address by Expert Mr. Pallapothu Lakshmi Srinivasa Rao, Sr. Data & Analytics Engr. Hexagon
03:37PM-04:10PM	Address by Chief Guest Dr. Anil Kumar Tentu, Regional Employment and Training officer, Government of Andhra Pradesh
04:10PM-04:20PM	Prize Distribution to the winners
04:20PM-04:30PM	Felicitation Guest and Experts
04:30PM-04:50PM	Felicitation to Jury Members (Internal & External), organising Team Members and Student Volunteers, Technical Supporting Members from CO-IGNITE
04:50PM-05:00PM	Felicitation to Head of Department and Dy. Dean Computational Sciences
05:00PM-05:05PM	Vote of Thanks by Dr. Raghvendra Kumar, GIET University& Seshu Sanyasi Naidu Kandregula, CEO, Co-Ignite EDU Tech Services
05:05PM-06:00PM	Cultural Program

The grand finale of LEARNATHON 4.0 took place on 26th July 2025 at the Mega Auditorium of GIET University, marking the end of a four-day journey of learning, innovation, and collaboration in the realm of Artificial Intelligence and Machine Learning. The Closing Ceremony began at 3:00 PM with the invitation of guests to the dais, followed by the Lighting of the Lamp and Saraswati Vandana, symbolizing enlightenment and wisdom. Dr. Jyotirmaya Mishra, from the Training & Placement Cell, delivered the Welcoming Address, setting a warm tone for the celebration. The event was graced by the presence of Dr. NVJ Rao, Registrar, GIET University, who shared words of encouragement and highlighted the university's vision for innovation-driven education. A series of impactful speeches followed from the esteemed experts: Mr. Agastya Venkata Nagendra Santosh (Microsoft), Ms. Kavya Paidipalli (NAGARRO), Mr. Srinivasa Rao Jagarlamudi (Accordian), and Mr. Pallapothu Lakshmi Srinivasa Rao (Hexagon), all of whom applauded the students' creativity and problem-solving abilities. The Chief Guest, Dr. Anil Kumar Tentu, Regional Employment and Training Officer, Government of Andhra Pradesh, inspired participants with his insights on employability, entrepreneurship, and the role of hackathons in nurturing real-world skills. The much-awaited Prize Distribution Ceremony honored the winners, followed by the felicitation of guests, experts, jury members, organizing team, student volunteers, and technical support members from CO-IGNITE. Heads of Departments and the Dy. Dean of Computational Sciences were also felicitated for their leadership and support. The evening concluded with a heartfelt Vote of Thanks by Dr. Raghvendra Kumar and Mr. Seshu Sanyasi Naidu Kandregula, followed by a vibrant Cultural Program, celebrating the spirit of innovation and teamwork that defined LEARNATHON 4.0.





















(23RD JULY-26TH JULY 2025)

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COIGNITE EDUTE...CES



(23RD JULY-26TH JULY 2025)

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In associati... with  
GNITE EDUTE...E



Dr. N. V. Jagannadha Rao  
REGISTRAR  
GIET UNIVERSITY

VISHAI  
PERIPHERAL  
UNIVERSITY



### Jury Members

S/No.	Day	Date	Internal Jury	Physical Jury Members from Industry	Online
1	Wednesday	23/07/2025	Dr.Premansu Sekhar Rath (CSE)	Mr. Vikrant Shitole, Head of Traning, CO-IGNITE	Kalpana Sastry , Former MD-AGHUB (Online)
			Mr. Jagadish Sahoo (CSE)		
2	Thursday	24/07/2025	Dr. Nilamdhav Padhy (CSE)	Dr Kushwanth Kumar S, Scientist-C AIC-AMTZ MediValleyv	
			Dr. Priyadarsan Parida (ECE)	Dr S Suryanarayana Raju D,Assistant Professor in CSE (AI and ML)	
3	Friday	25/07/2025	Dr. A.V S Pavan Kumar (CSE)	Dr. Gundala Naga Raju,CEOSmartmeiten	
			Dr. Pratap Kumar Panigrahi (EEE)	Sonia Govindarajulu , Data Analyst	

### Faculty Organizing Team Members

S/No.	Faculty Name	Department	Role and Responsibilities
1	Mr. Ranjit Pattnaik	Department of CSE	Mega Audi Management
2	Dr. Nilambar Sethy	Department of CSE	Mega Audi Management

3	Dr.Sibo Prasad Patro	Department of CSE	Cultural Program on 26/07/25
4	Mr.Ranjeet Panigrahi	Department of CSE	Mega Audi Management
5	Dr.Rasmita Panigrahi	Department of CSE	Venue 1 (Smart Class Room 1)
6	Dr. K. Siva Krishna	Department of CSE	Venue 1 (Smart Class Room 1)
7	Mr. Bhabani Sankar Panda	Department of CSE	Venue 2 (Smart Class Room 2)
8	Dr. Ranjita Rout	Department of ECE	Venue 2 (Smart Class Room 2)
9	Dr. Radhanath Patra	Department of ECE	Central Library (Left)
10	Mr. Rakesh Sahu	Department of EE	Central Library (Left)
11	Mr.Sujit Kumar Patro	Department of EE	Central Library (Right)
12	Mr. Manas Ranjan Panda	Department of ME	Central Library (Right)
13	Mr.Nalinikanta Panda	Department of ME	MB 4
14	Dr. Diptikant Acharya	Department of Biotech	MB 4
15	Dr. Pratiba Kar	Department of BSH	Complete Monitoring During the Four-Day Schedule
16	Dr. Radha krushna Padhi	Department of Chemical	MB 5
17	Mr.Asish Kumar Samal	Department of Civil	Complete Monitoring During the Four-Day Schedule
18	Dr. Manoja Das	Department of Biotech	Complete Monitoring During the Four-Day Schedule
19	Dr. Jyotirmaya Mishra	Department of CSE	Complete Monitoring During the Four-Day Schedule
20	Dr.Kali Charana Rath	Department of ME	Complete Monitoring During the Four-Day Schedule
21	Dr. Bhramara Bar Biswal	Department of CSA	MB 6
22	Mr. S.N.Das	Department of CSA	Complete Monitoring During the Four-Day Schedule
23	Mr.Prahallad Kumar Sahu	Department of CSA	MB 6
24	Dr.Ashish Tiwary	Department of ECE	MB 5
25	Dr.Sachikanta Dash	Department of CSE	MB 7
26	Dr. Bidush kumar Sahoo	Department of CSE	MB 7
27	Mr. Sitanshu Kar	Department of CSE	Guest Hospitality for 4 days
28	Mr. G.V. S Narayan	Department of CSE	
29	Mrs. Sucharita Panda	School of Agriculture	Mega Audi Anchoring during 4 Days
30	Dr. Tusar Kanta Panda	Department of ECE	
31	Dr. Anmol Panda	School of Agriculture	Prize and Certificate Distribution on 26 <sup>th</sup> July 2025
32	Dr. D.Anil Kumar	Department of CSE	
33	Dr. Turshar Ghosh	School of Agriculture	Banner and Poster (printing Materials) etc, Certificate , memento
34	Dr. Deepak Kumar	School of Agriculture	
35	Mr. V. S. K Chaitanya	Department of CSE	Food and High Tea
36	Mr. Bani Prasad Nayak	Department of CSE	
37	Dr.Sishir Rizal	School of Agriculture	
38	Dr. S.K.Bindhani	Department of Chemical	Internal and External Jury Members monitoring and data collection
39	Ms. Suman Mishra	Department of Chemical	
40	Mrs. Priyambada Pradhan	School of Agriculture	
41	Dr. Kheyali Ghosh	School of Agriculture	

### Student Organizing Team Members

S. No.	Name	Section	Roll Number	Phone Number	Role and Venue
1	Parshuram sahu	D	23CSE113	7750907438	Smart Class Room 1
2	Anshuman Das	D	23CSE221	9777522817	Smart Class Room 1
3	Ananya Satapathy	F	23CSE480	8327773926	Smart Class Room 2
4	Jaya Prakash Narayan Mishra	H	23CSE307	7847889280	Smart Class Room 2
5	Subhransu Sekhar Padhan	H	23CSE439	6371106367	Central Library
6	Ayushman Tripathy	F	23CSE417	7008448477	Central Library
7	Pratik Tripathy	B	23CSE209	9078369725	Central Library
8	KORADA SATYA SAI	D	23CSE033	9437874998	Central Library
9	CHERUKURI TEJASWARI	B	23CSE037	8328938358	MB 4
10	TRUPTI MAHANTA	J	23CSE680	6372728495	MB 4
11	Sujay Santanu Mohanty	AIML B	23CSEAIML100	8984095204	Anchor
12	SRIYA PANIGRAHI	AIML C	23CSEAIML176	8249594589	MB 5
13	Ipsita Pradhan	B	23CSE031	7978018729	MB 5
14	Subham Jyotika Routray	F	23CSE354	7853953399	MB 6
15	HITESH KUMAR ROUT	DS	23CSEDS011	8117058468	MB 6
16	PRATYUSH NANDA	A	23CSE183	8144204084	MB 7
17	SHMRUTI PADHEE	D	23CSE061	9937694785	MB 7
18	PRINCE SANDEEP KHOSALA	AIML B	23CSEAIML071	9692259656	Overall Monitoring
19	Archita Malik	D	23CSE226	7609907030	Overall Monitoring
20	Baikunthanath sahu	E	23CSE267	7848800783	Overall Monitoring
21	Snehalata pattnaik	C	23CSE103	7008183704	Anchor
22	Ayushman pati	AIML A	23CSEAIML049	6370372566	Anchor
23	Nigam ashish Das	AIML B	23CSE200	7384597994	Overall Monitoring
24	Kalyan kumar Das	G	23CSE363	8260569773	Overall Monitoring
25	Subrat kumar Majhi	J	23CSE593	9777688289	Overall Monitoring
26	BAISHALI DAS	AIML C	23CSEAIML185	9348199972	Overall Monitoring
27	Vishal kumar	AIML C	23CSEAIML172	8789849217	Overall Monitoring
28	Bibhukalyan Nayak	AIML A	23CSEAIML047	7815029383	Overall Monitoring
29	Subudhi Naveesha	AIML B		7205561299	Anchor

### Prize Money

S/No.	Year	Category	Amount
1	2 <sup>nd</sup> Year	1 <sup>st</sup> Prize	20000
		2 <sup>nd</sup> Prize	15000
		3 <sup>rd</sup> Prize	10000
		4 <sup>th</sup> Prize	3000
		5 <sup>th</sup> Prize	2000
		6 <sup>th</sup> to 10 <sup>th</sup> Positions	Electronic Gadgets
2	3 <sup>rd</sup> Year	1 <sup>st</sup> Prize	20000
		2 <sup>nd</sup> Prize	15000
		3 <sup>rd</sup> Prize	10000
		4 <sup>th</sup> Prize	3000

		5 <sup>th</sup> Prize	2000
		6 <sup>th</sup> to 10 <sup>th</sup> Positions	Electronic Gadgets
3	4 <sup>th</sup> Year	1 <sup>st</sup> Prize	20000
		2 <sup>nd</sup> Prize	15000
		3 <sup>rd</sup> Prize	10000
		4 <sup>th</sup> Prize	3000
		5 <sup>th</sup> Prize	2000
		6 <sup>th</sup> to 10 <sup>th</sup> Positions	Electronic Gadgets
4		<b>Total Amount</b>	<b>150000</b>
5		<b>Total Electronic Gadgets</b>	<b>15</b>

### Top-performing 10 teams among 2nd-year participants

Position	Team Name	Team Lead Name	Team Lead Section	Team Lead Branch	Team Member 1 Name	Team Member 1 Branch	Team Member 2 Name	Team Member 2 Branch	Team Member 3 Name	Team Member 3 Branch	Team Member 4 Name	Team Member 4 Branch
1	TEAM(NEW_1)	AYUSH RAJ	A	CSEAIML	KAUSHIK MOHANTY	CSEAIML	PIYUSH KUMAR	CSEAIML	AYUSH RAJ	CSEAIML		
2	TEAM(SC1)_8	Kiran Surya Sahukar	C(AIML)	CSE AI&ML	Ashish kumar jena	CSE(DS)	Om Prasad Bartia	CSE AI&ML	Dipak Kumar Behera	CSE AI&ML	Kiran Surya Sahukar	CSE AI&ML
3	Ctrl+Crop	Asutosh Panda	A	CSE AIML	Akankhya khadanga	CSE	Tejaswini Patojoshi	BCA	Padmini Mahapatra	BCA	Asutosh Panda	CSE AIML
4	Team(sc1)_1	Pankaj Kumar Mahto	F	Btech CSE	Hemalatanaram	BCA	Jada Leela Prasanth	Btech ECE			na	na
5	TEAM(SC1)_10	Anmol Chandrakar	B	AIML	Anmol Chandrakar	AIML	Milind Panda	CSE	Blesson Oddu	CCSEAIML	Ankit Kumar Nayak	AIML
6	AgriVision	Ipsita Chaini	D	CSE	Ipsita Chaini	CSE	Sai Aniket	CSE	Medapati Karishma	CSE		
7	Team -88(2nd year)	Nikhilesh Padhan	A	B. Tech Computer science (Data science)	Nikhilesh Padhan	Computer science (Data Science)	Mahesweta Panda	Computer Science (Core)	Pratyush Kumar Dalei	Computer Science (Core)	Aditya Kumar Mahant	Computer science (core)
8	Cropolysis	Swayam Sopnic Nayak	E	CSEAIML	Sushoban pal	CSEAIML						
9	Team(sc1)_11	Nitin Prasad Singh	D	CSE (AIML)	Som Satwik Deo	CSE	Khushi Kumari	CSE	Amandeep Kumar	CSE (AIML)	Nitin Prasad Singh	CSE (AIML)
10	Team(SC2)_B	Ayush Kumar Jena	A	CSE(AIML)	ROUNAK SINGH	CSEAIML(AIML)	ANKIT NAIK	CSE(AIML)	MOHIT MOHAN DASH	CSE(AIML)		





Learn to Hack - Hack to Learn





### Top-performing 10 teams among 3rd-year participants

Position	Team Name	Team Lead Name	Team Lead Section	Team Lead Branch	Team Member 1 Name	Team Member 1 Branch	Team Member 2 Name	Team Member 2 Branch	Team Member 3 Name	Team Member 3 Branch	Team Member 4 Name	Team Member 4 Branch
1	Team Sanjeevni	Subrata Dhibar	AIML C	AIML-C	Ayush Kumar Biswal	CSE	MONOSMITA BEHERA	CSE	ASHMIT RAJ	CSE		
2	TEAM RANDOM	RAJDEEP PATNAIK	AIML-A	CSE	ABINASH PANDA	CSE	ARPIT PRADHAN	CSE	ANMOL SAHU	CSE	RAJDEEP PATNAIK	CSE
3	Team(CLB)_3_14	Ritesh Kumar Gouda	AIML-A	CSE (AI & ML)	Vivek Patnaik	CSE (AI&ML)	Harmesh Behera	CSE (AI&ML)	Anurag Panigrahi	CSE (AI&ML)	Ritesh Kumar Gouda	CSE (AI & ML)
4	Swastik AI	Sujal Kumar Sah	H	CSE	Sujal Kumar Sah	CSE	Raj Shekhar Mehta	CSE				
5	Team(SC1)3_TeamNo1	Rudra Madhab Mishra	CSEAIMLB	CSE	Dillip Padhi	CSEAIML						
6	Team_SC1_3_06	CHITRANSHU SANKET	CSE DS A	CSE DS	SATYA PRAKASH SAMAL	CSE	PRATIVA MISHRA	CSEDS	CHITRANSHU SANKET	CSEDS	SUPRIT KUMAR PATNAIK	CSEDS
7	Spark Coder	Saswatika Das	A	CSE	Subhasri Pathisharma	CSE	Bikash Limala	CSE	Asutosh Patra	CSE		
8	CureBot_41	Paritosh Dash	DS (A)	BTech-CSE(DS)	Manish Narayan Sahoo	BTech CSE[DS]	Piyush Pradhan	BTech CSE	Sai Swarup Mishra	BTech CSE	Paritosh Dash	BTech CSE(DS)
9	TEAM(MB6)3_1	Gyana Ranjan Mohanty	DS(A)	Computer Science (DS)	Adarsh Goyal	Computer Science (DS)	Priyanshu Rana	Computer Science (AI/ML)	Abi kumar Singh	Computer Science (DS)	Gyana Ranjan Mohanty	Computer Science (DS)
10	TEAM(MB5)_3_04	Sumit Kumar Biswal	I	CSE	Sumit Kumar Biswal	CSE	Briti Sundar Panda	ME	Priyanka Chhatar	CSE	Spandan Dash	CSE





### Top-performing 10 teams among 4th-year participants

Position	Team Name	Team Lead Name	Team Lead Section	Team Lead Branch	Team Member 1 Name	Team Member 1 Branch	Team Member 2 Name	Team Member 2 Branch	Team Member 3 Name	Team Member 3 Branch	Team Member 4 Name	Team Member 4 Branch
1	FraudSight	Satyajit Pujapanda	AIML-B	CSE(AIML)	Debasish Mahapatra	CSE	Sriya Mishra	CSE(AIML)	Deepak Behera	CSE(AIML)	Satyajit Pujapanda	CSE(AIML)
2	Innovangers	PRADYUMNA KUMAR PRADHAN	A	CSE	SATYAM KUMAR SINHA	CSE	SAHASRANSHU MISHRA	CSE	STHITIPRAGYAN PADHI	CSE	PRADYUMNA KUMAR PRADHAN	CSE
3	SYNTAX SQUAD	Debasish Senapati	G	CSE	Rajesh Kumar Panda	CSE	Rakesh Senapati	CSE	M. Bharat Kumar	CSE	Debasish Senapati	CSE
4	HACK_TO_WIN	Rohit Kumar pati	B	CSE	Tulasi prasad kumbhar	ECE	Tarun Kumar Dalapati	ECE	Nibedita Kar	CSE		
5	PrimeTech	ASHUTOSH DAS	AIML - A	CSEAIML	MEETALI SINHA	CSEAIML	SMARANEEKA	CSEAIML	BHABANI SHANKAR PRADHAN	ECE	ASHUTOSH DAS	CSEAIML
6	Zeta Coders	Gyanendra Sahoo	L	Computer Science and Engineering	Anisha Mahapatro	CSE	Simadri Rashmita	CSE	Sanket Mishra	CSE	Gyanendra Sahoo	CSE

7	Team(sc1)_4_team14	Prithwiraj Charchi	K	CSE	Ashutosh Behera	CSE	Priyanka Mishra	CSE	Rudrakshi Deo	CSE	Prithwiraj Charchi	Cse
8	Team Concept Squad	AYUSHMAN PANIGRAY	H	CSE	DEBASISH MISHRA	CSE	MIHIR RANJAN AICH	CSE	A AJIT	CSE		
9	TEAM(MB6)_4_6	Anushka Palo	DS	CSE(DS)	Anushka Palo	CSE(DS)	Ipsita Panda	CSE(DS)	Smrutisikha Sahoo	CSE(DS)	-	-
10	Learniverse	Dehabrata Nayak	A	Computer Science And Engineering	Arpita Mohapatra	Computer Science And Engineering	Abhijit Pradhan	cse	Komal Singh	cse	Dehabrata Pattnayak	cse



**Felicitaton**







Cultural Program







Media Coverage

Smrantirekha Lenka, chairman and faculty for teachers and the in the coming days.

# Learnathon 4.0 Kicks Off at GIET University, Gunupur

Gunupur: (Correspondent) :- Learnathon 4.0 was inaugurated today at GIET University, Gunupur, in collaboration with Koigi Knight EduTech Services Pvt. Ltd. The four-day workshop is designed to immerse students in real-world applications of Artificial Intelligence (AI) and Machine Learning (ML) through interactive sessions, expert talks, and hands-on projects. The event was inaugurated in the presence of distinguished guests from Koigi Knight EduTech, including K. Sesu Sanyasi Naidu (CEO), Kris Chintaluri (Director), and Vikrant



Shitole (Head of Training), all of whom addressed the audience with insights on emerging trends and industry relevance of AI and ML. Joining virtually, Kalpana Shastri, former Executive Director of AgHub, spoke about the growing significance of AI in agriculture and its potential to transform rural economies. Prof. (Dr.) Dulu Pattnaik, Dean; SoET, outlined

the objectives of Learnathon and encouraged students to innovate and collaborate. The event, running from July 23 to July 26, will see participation from students across engineering disciplines who will present working models, technical solutions, and concept demonstrations. The inauguration was

attended by Dr. N.V.J. Rao, Registrar of GIET University, along with faculty members, students, and staff. Dr. K. Murali Gopal, Associate Dean, Department of Computer Science and Engineering, delivered the welcome address. The session was seamlessly moderated by Dr. Raghendra Kumar, the event coordinator. Learnathon 4.0 marks yet another step in GIET University's ongoing commitment to integrating emerging technologies into academic learning and preparing students for future challenges.



## ସୁଦୂରଗଞ୍ଜା

ସଂସ୍କୃତ ଚର୍ଚ୍ଚା JUBA MORCHA, Osa Daily  
PH NO.: 0670012022, 818124 Email: jubamorbhadaily@gmail.com



### ଜିଆଇଇଟି ବିଶ୍ୱବିଦ୍ୟାଳୟରେ ଲେରନାଥନ - ୪.୦ ଉଦଘାଟନ

ଗୁଣ୍ଡପୁର, ୨୩।୭ (ଦୀପକ କୁମାର ନାଲନ୍ଦା, ନିର୍ଦ୍ଦେଶକ ଭିଏ ବିଭାଗୁଡ଼ି ଏବଂ ଓଡ଼ିଆ ଖବରପତ୍ର ) ଆଜି ସ୍ଥାନୀୟ ଜି ଆଇ ଇ ଟି ତାଲିମ ମୁଖ୍ୟ ବିଦ୍ୱାନ୍ ଶିତୋଲେ ଯୋଗ ଦେଇ ଲୋକାରମ୍ଭ କରିବେ।



ବିଶ୍ୱବିଦ୍ୟାଳୟ ପରିସରରେ କୋଇଗି ନାଲନ୍ଦ ଏଡୁ ଟେକ୍ ସର୍ଭିସେସ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍ ସହଯୋଗରେ ଲେରନାଥନ - ୪.୦ ଉଦଘାଟନ ହୋଇଯାଇଛି । ଏହି ଉଦଘାଟନୀ ଉତ୍ସବରେ ଅତିଥି ଭାବେ କୋଇଗି ନାଲନ୍ଦ ଏଡୁ ଟେକ୍ ସର୍ଭିସେସ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍‌ର ସିନିଓର ସିନିୟର ଏବଂ କେ. ସେସୁ ସାନାସୀ ନାୟା

ଦେଇ ଅଭିର୍ଯ୍ୟବିଆଳ ଇଣ୍ଡେଲଜେନ୍ସ ଓ ନେସିନ ଲୋଡ଼ି ବିଷୟରେ ଆଲୋଚନା କରିଥିଲେ । ଆଉ ହେବ, ର ପୂର୍ବତନ ପରିଚାଳନା ନିର୍ଦ୍ଦେଶକ କଟ୍ଟନା ଶାସ୍ତ୍ରୀ ଆଇଆସି ମାଧ୍ୟମରେ ଯୋଗଦେଇ କୁଚ୍ଛି କ୍ଷେତ୍ରରେ ଏ ଆଇଇ ଉପଯୋଗିତା ବିଷୟରେ କହିଥିଲେ । ବିଶ୍ୱବିଦ୍ୟାଳୟର

ଏନ ଭି କେ ରାଓ, ଅଧ୍ୟାପକ, ଅଧ୍ୟାପିକା, ଛାତ୍ରଛାତ୍ରୀ ପ୍ରମୁଖ ଉପସ୍ଥିତ ଥିଲେ । କମ୍ପ୍ୟୁଟର ସାଇନ୍ସ ବିଭାଗର ସହକାରୀ ଡିନ ଡକ୍ଟର ମୃଗଳା ଗୋପାଳ ସ୍ୱାଗତ ଭାଷଣ ଦେଇଥିବା ବେଳେ କାର୍ଯ୍ୟାଳୟ ସଂଯୋଜକ ଡକ୍ଟର ଉପେନ୍ଦ୍ର କୁମାର ପରିଚାଳନା କରିଥିଲେ ।

# ଜିଆଇଇଟି ବିଶ୍ୱବିଦ୍ୟାଳୟରେ ଲେରନାଥନ ଉଦ୍‌ଘାଟିତ

ଗୁଣ୍ଡାପୁର, ୨୩/୭(ଉମିସ): ଗୁଣ୍ଡାପୁର ଜିଆଇଇଟି ବିଶ୍ୱବିଦ୍ୟାଳୟରେ କୋଇଲି ନାଇଟ୍ ଏବୁ-ଟେକ୍ ସଲିମେନ୍ସ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍ ସହଯୋଗରେ

କେ.ମେସୁ ସନ୍ତ୍ୟାମୀ ନାଇଟୁ, ନିର୍ଦ୍ଦେଶକ କ୍ରିସ୍ ଚିନ୍ତାଲୁରି ଏବଂ ତାଲିମ ମୁଖ୍ୟ ବିକ୍ରାନ୍ତ ଶିତୋଲେ ଯୋଗଦେଇ ଅତିଥିଆଳ ଉଦ୍‌ଘାଟନେତ୍ର ଓ

ଏଆଇଇ ଉପଯୋଗିତା ବିଷୟରେ କହିଥିଲେ। ବିଶ୍ୱବିଦ୍ୟାଳୟ ସ୍କୁଲ ଅଫ୍ ଇଞ୍ଜିନିୟରିଂ ଆଣ୍ଡ ଟେକ୍ନୋଲୋଜିର ତିନି ଡ. ହୁଲୁ ପଟ୍ଟନାୟକ ଯୋଗଦେଇ ଲେରନାଥନର ଆଭିମୁଖ୍ୟ ବିଷୟରେ କହିଥିଲେ। ଏହି କର୍ମଶାଳା ୨୩ରୁ ୨୬ଜୁଲାଇ ପର୍ଯ୍ୟନ୍ତ ଚାଲିବ। ଏହି ଚତୁର୍ଦିନ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଇଞ୍ଜିନିୟରିଂ ବିଭାଗର ଛାତ୍ରଛାତ୍ରୀ ଅଂଶଗ୍ରହଣ କରି ବିଭିନ୍ନ ମଡେଲ ଏବଂ ଉପସ୍ଥାପନ ମାଧ୍ୟମରେ ନିଜ ପ୍ରତିଭା ପ୍ରଦର୍ଶନ କରିବେ। ଅନୁଷ୍ଠାନର ରେଜିଷ୍ଟ୍ରାର ଡ. ଏନ୍‌ଭିଜେ ରାଓ, ଅଧ୍ୟାପକ, ଅଧ୍ୟାପିକା, ଛାତ୍ରଛାତ୍ରୀ ପ୍ରମୁଖ ଉପସ୍ଥିତ ଥିଲେ। କମ୍ପ୍ୟୁଟର ସାଇନ୍ସ ବିଭାଗ ସହକାରୀ ଡି. ଡ. କେ. ମୁରଲୀ ଗୋପାଳ ମୁଖତ ଭାଷଣ ଦେଇଥିବା ବେଳେ କାର୍ଯ୍ୟକ୍ରମ ସଂଯୋଜକ ଡ. ରାଘବେନ୍ଦ୍ର କୁମାର ପରିଚାଳନା କରିଥିଲେ।



ଲେରନାଥନ-୪.୦ ଉଦ୍‌ଘାଟିତ ହୋଇଯାଇଛି। ଅତିଥି ଭାବେ କୋଇଲି ନାଇଟ୍ ଏବୁ-ଟେକ୍ ସଲିମେନ୍ସ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍‌ର ସିଇଓ

ମେସୁ ଲଣ୍ଠି ବିଷୟରେ ଆଲୋଚନା କରିଥିଲେ। ଆଗ ହବର ପୂର୍ବତନ ପରିଚାଳନା ନିର୍ଦ୍ଦେଶକ କଲ୍ୟାଣ ଶାସ୍ତ୍ରୀ ଆଭାସୀ ମାଧ୍ୟମରେ କୃଷି କ୍ଷେତ୍ରରେ

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# ଜିଆଇଇଟି ବିଶ୍ୱବିଦ୍ୟାଳୟରେ ‘ଲେରନାଥନ - ୪.୦’ ଉଦ୍‌ଘାଟିତ

ଗୁଣ୍ଡାପୁର, ୨୩/୭ (ସମିସ):

ଆଜି ସ୍ଥାନୀୟ ଜିଆଇଇଟି ବିଶ୍ୱବିଦ୍ୟାଳୟ ପରିସରରେ କୋଇଲି ନାଇଟ୍ ଏବୁ-ଟେକ୍ ସଲିମେନ୍ସ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍ ସହଯୋଗରେ ଲେରନାଥନ - ୪.୦ ଉଦ୍‌ଘାଟିତ ହୋଇଯାଇଛି। ଏହି ଉଦ୍‌ଘାଟନା ଉତ୍ସବରେ ଅତିଥି ଭାବେ କୋଇଲି ନାଇଟ୍ ଏବୁ-ଟେକ୍ ସଲିମେନ୍ସ ପ୍ରାଇଭେଟ୍ ଲିମିଟେଡ୍‌ର ସିଇଓ କେ.ମେସୁ ସନ୍ତ୍ୟାମୀ ନାଇଟୁ, ନିର୍ଦ୍ଦେଶକ କ୍ରିସ୍ ଚିନ୍ତାଲୁରି ଏବଂ ତାଲିମ ମୁଖ୍ୟ ବିକ୍ରାନ୍ତ ଶିତୋଲେ ଯୋଗ ଦେଇ ଅତିଥିଆଳ ଉଦ୍‌ଘାଟନେତ୍ର ଓ ମେସୁ ଲଣ୍ଠି ବିଷୟ ର ଆଲୋଚନା କରିଥିଲେ। ଆଗ ହବର ପୂର୍ବତନ ପରିଚାଳନା ନିର୍ଦ୍ଦେଶକ କଲ୍ୟାଣ ଶାସ୍ତ୍ରୀ ଆଭାସୀ ମାଧ୍ୟମ ରେ ଯୋଗଦେଇ କୃଷି କ୍ଷେତ୍ରରେ ଏଆଇଇ ଉପଯୋଗିତା ବିଷୟରେ କହିଥିଲେ।



ବିଶ୍ୱବିଦ୍ୟାଳୟର ସ୍କୁଲ ଅଫ୍ ଇଞ୍ଜିନିୟରିଂ ଆଣ୍ଡ ଟେକ୍ନୋଲୋଜିର ତିନି ଡ. ହୁଲୁ ପଟ୍ଟନାୟକ ଯୋଗଦେଇ ଲେରନାଥନର ଆଭିମୁଖ୍ୟ ବିଷୟରେ କହିଥିଲେ। ଏହି କର୍ମଶାଳା ୨୩ ଜୁଲାଇରୁ ୨୬ ଜୁଲାଇ ପର୍ଯ୍ୟନ୍ତ ଚାଲୁ ରହିବ। ଏହି ଚାରି ଦିନ ବିଶ୍ୱବିଦ୍ୟାଳୟ ଇଞ୍ଜିନିୟରିଂ ବିଭାଗର ଛାତ୍ରଛାତ୍ରୀ ମାନେ ଅଂଶଗ୍ରହଣ କରି ବିଭିନ୍ନ ପ୍ରକାର ମଡେଲ ଏବଂ ଉପସ୍ଥାପନ

ମାଧ୍ୟମରେ ନିଜର ପ୍ରତିଭା ପ୍ରଦର୍ଶନ କରିବେ। ଅନୁଷ୍ଠାନର ରେଜିଷ୍ଟ୍ରାର ଡ. ଏନ୍‌ଭି ଜେ ରାଓ, ଅଧ୍ୟାପକ, ଅଧ୍ୟାପିକା, ଛାତ୍ରଛାତ୍ରୀ ପ୍ରମୁଖ ଉପସ୍ଥିତ ଥିଲେ। କମ୍ପ୍ୟୁଟର ସାଇନ୍ସ ବିଭାଗର ସହକାରୀ ଡି. ଡ. କେ. ମୁରଲୀ ଗୋପାଳ ସ୍ୱାଗତ ଭାଷଣ ଦେଇଥିବା ବେଳେ କାର୍ଯ୍ୟକ୍ରମ ସଂଯୋଜକ ଡ. ରାଘବେନ୍ଦ୍ର କୁମାର ପରିଚାଳନା କରିଥିଲେ।

# Learnathon 4.0 concludes at GIET varsity, Gunupur

POST NEWS NETWORK

**Gunupur, July 26:** Learnathon 4.0 wrapped up Saturday at GIET University, Gunupur, organised in collaboration with Koigi Knight EduTech Services Pvt. Ltd. The four-day workshop engaged students with real-world applications of Artificial Intelligence (AI) and Machine Learning (ML) through interactive sessions, expert lectures, and practical projects.

The event was inaugurated by distinguished guests from Koigi Knight EduTech, including CEO K. Sesu Sanyasi Naidu, Director Kels Chintaluri, and Head of Training Vikrant Shitole, who shared valuable insights on emerging trends and the industry relevance of AI and ML.

Joining virtually, Kalpana Shastri, former executive director of AgHub, highlighted the increasing importance of

AI in agriculture and its potential to revolutionize rural economies.

Prof. Dulu Pattnaik, dean of the School of Engineering and Technology (SoET), outlined the objectives of Learnathon 4.0 and encouraged students to innovate, collaborate, and embrace emerging technologies. Held from July 23 to 26, the event saw enthusiastic participation from students across various engineering disciplines that showcased working models, technical solutions, and concept demonstrations.

The inauguration was attended by Dr. NVJ Rao, Registrar of GIET University, along with faculty members, students, and staff. Dr. K Murali Gopal, associate dean, department of Computer Science and Engineering, delivered the welcome address. The session was moderated by Dr. Raghvendra Kumar, the event coordinator.



Banner

**GIET UNIVERSITY**

**LEARNATHON 4.0**

**CO-IGNITE**

**INCUBATEX**

**Competition 2025**

**Themes**  
AI for Innovation

**PROBLEM STATEMENTS**  
MEDTECH  
AGRICULTURE  
BFSI

**WIN EXCITING GADGETS TOO**

**Cash Prize**  
**INR 150000**

**REGISTER YOUR TEAM NOW!**

# AGENDA



Meeting Title: LEARNATHON 4.0  
Date: 23 -26<sup>th</sup> July 2025  
Time: 10:00 am  
Location: GIET UNIVERSITY  
Batches : 2/3/4<sup>th</sup> Years B.Tech

- Welcome and Introduction | Problem Statement by KALPANA SASTRY | Problem Statement - AGRI-INNOVATION | 2nd Year Students
- Welcome and Introduction | Problem Statement by Dr. Kuswanth S & Dr. Suryanarayana Raju | Problem Statement - MEDTECH | 3rd Year Students
- Welcome and Introduction | Problem Statement by Dr. Gundala Naga Raju | Problem Statement - BFSI | 4th Year Students

## THE TIMELINE OF LEARNATHON





Day 1: 23<sup>rd</sup> July



**Kalpana Sastry**  
Former MD-AGHUB



**Mr. Vikrant Shitole**  
Head of Training,  
CO-IGNITE

23 July, 2025  
AUDITORIUM-GIET UNIVERSITY

**LEARN TO HACK**



Day 2: 24<sup>th</sup> July



**Dr S Suryanarayana Raju D**  
Assistant Professor  
CSE (AI and ML)



**Dr Kushwanth Kumar S**  
Scientist-C  
AIC-AMTZ  
MediValley

24 July, 2025  
AUDITORIUM-GIET UNIVERSITY

**LEARN TO HACK**





Day 3: 25th July



**Dr Gundala Naga Raju**  
CEO  
SMARTMEITEN



**Sonia Govindarajulu**  
Data Analyst,  
STRAIVE

25 July, 2025  
AUDITORIUM-GIET UNIVERSITY

**LEARN TO HACK**



Day 4: 26th July



**Agastya Venkata Nagendra Santosh**  
Sr. Eng. Mgr.- Data & Analytics  
MICROSOFT



**Dilip Kumar CH,**  
CEO MediValley, AMTZ



**Kavya Paidipalli**  
Principal Engineer  
NAGARRO



**Mr. Srinivasa rao Jagarlamudi**  
Executive Director,  
Accordian



**Mr. Pallapothu Lakshmi Srinivasa Rao**  
Sr. Data & Analytics  
Engr. Hexagon



**Dr. Lakshmi Godavarthi**  
Founder / Director  
Vizag Speech and hearing centre

26 July, 2025  
AUDITORIUM-GIET UNIVERSITY

**HACK TO LEARN**



## organizing team



RESHU K  
FOUNDER  
CO-IGNITE ED TECH  
SERVICES



KRISH CH  
CO-FOUNDER  
CO-IGNITE ED TECH  
SERVICES



VIKRANT SHITOLE  
HEAD TRAININGS  
CO-IGNITE



DR. RAGHAVENDRA KUMAR  
DEPT. OF CSE  
GIET UNIVERSITY



PROF. JYOTI MISHRA  
DIRECTOR - PLACEMENTS  
GIET UNIVERSITY



DR. K M GOPAL  
DEPUTY DEAN,  
COMPUTATIONAL  
SCIENCES,  
GIET UNIVERSITY

23-26 July, 2025  
AUDITORIUM-GIET UNIVERSITY

## HACK TO LEARN



# LEARNATHON 4.0



Unlocking the future: Learn, Build, Innovate  
Learn to Hack - Hack to Learn  
Artificial Intelligence & Machine Learning

23<sup>rd</sup> July - 26<sup>th</sup> July 2025

Organized by  
Department of Computer Science and Engineering  
School of Engineering and Technology  
GIET University, Gunupur-765022

**About Learnathon:** The Learnathon is an innovative event designed to immerse students in cutting-edge Artificial Intelligence (AI) and Machine Learning (ML) technologies. This comprehensive program combines workshops, competitive hackathons, and networking opportunities to foster skill development and collaboration among participants. Whether you are a beginner or an advanced learner, the Learnathon aims to elevate your understanding and application of AI and ML.

**Problem Statements Domains:** Healthcare, Banking and Finance, Manufacturing Industry, Insurance Industry and Clinical Research.







**Participants:** Undergraduate students in their 2nd, 3rd, or 4th year from any academic discipline are eligible.

Registration Link: <https://forms.gle/z2iTDgQ24f1u3ws5>

Last Date for Team Registration:  
5<sup>th</sup> July 2025

Contact us:  
Dr. K M Gopal, Dy. Dean  
Computational Sciences, GIET University  
Dr. Raghvendra Kumar  
Department of CSE, GIET University  
(7804068698/raghvendra@giet.edu)

### Guest Details

S/No.	Day	Date	Experts	Photo
1	Wednesday	23/07/2025	Mr. Vikrant Shitole, Head of Training, CO-IGNITE	
			Kalpana Sastry ,Former MD-AGHUB (Online)	
2	Thursday	24/07/2025	Dr S Suryanarayana Raju D,Assistant Professor in CSE (AI and ML)	
			Dr Kushwanth Kumar S , <b>Scientist-C</b> AIC-AMTZ MediValley	
3	Friday	25/07/2025	Dr. Gundala Naga Raju ,CEO Smartmeiten	
			Sonia Govindarajulu , Data Analyst , STRAIVE	

4	Saturday	26/07/2025	Mr. Dilip Kumar CH, CEO Medivalley, AMTZ	
			Mr. Agastya Venkata Nagendra Santosh, Sr. Eng Mgr-Data & Analytics Microsoft	
			Ms. Kavya Paidipalli, Principal Engineer, NAGARRO	
			Mr. Srinivasa rao Jagarlamudi, Executive Director, Accordian	
			Mr. Pallapothu Lakshmi Srinivasa Rao, Sr. Data & Analytics Engr. Hexagon	
			Dr. Lakshmi Godavarthi Founder / Director Vizag Speech and hearing centre	

**Electronics & ICT Academy, Indian Institute of Technology Roorkee**  
**One Week Faculty Development Program on**  
**Foundations of Artificial Intelligence: Concepts, Techniques, and**  
**Applications**

**Organized by**

Department of Computer Science and Engineering

GIET University, Gunupur-765022

*09 July to 13 July 2025*

<b>Inaugural Ceremony Agenda (09/07/2025)</b>	
09:00 AM – 09:05 AM	Inviting the Guests to the Dias
09:05 AM-09:10 AM	Welcome address by Workshop Coordinator <b>Dr. Raghendra Kumar</b> , GIET University
09:10 AM-09:15AM	Address by Dy. Dean, Computational Sciences <b>Dr. K M Gopal</b> , GIET University
09:15 AM-09:20 AM	Address by Dean SOET <b>Dr. Dulu Patnaik</b> , GIET University
09:20 AM-09:25AM	Address by Controller of Examinations <b>Dr. P Vijaya Kumar</b> , GIET University
09:25 AM-09:40AM	Address by Professor, ECE Department, IIT Roorkee & Chief Investigator <b>Dr. Sanjeev Manhas</b> , IIT Roorkee

The Electronics & ICT Academy at the Indian Institute of Technology Roorkee (IIT Roorkee) is a premier initiative supported by the Ministry of Electronics and Information Technology (MeitY), Government of India, aimed at strengthening the teaching and research infrastructure in the fields of Electronics and ICT across the country. The Academy plays a pivotal role in capacity building by organizing high-quality Faculty Development Programs (FDPs), workshops, and training sessions, particularly for faculty and technical staff from engineering institutions. As part of this initiative, the Academy has collaborated with the Department of Computer Science and Engineering, GIET University, Gunupur, to organize a One Week Faculty Development Program on Foundations of Artificial Intelligence: Concepts, Techniques, and Applications from 09 to 13 July 2025. This program seeks to empower faculty with the essential knowledge and hands-on experience in cutting-edge AI technologies, fostering academic excellence and innovation in teaching and research.



09:33 | yzm-ymkg-ftx

Sanjeev Manhas

Participants: Raghendra..., HoD CSE, Dr. Sanjaya K..., bhavi, Dr. Venkates..., Dr. Bharathi..., Dr. Subrata..., Gayatri Des..., 39 others, GIETUNIV...

This screenshot shows a Zoom meeting in progress. The main video window displays Sanjeev Manhas, a man with glasses, in front of a bookshelf. The bottom toolbar shows the time as 09:33 and the meeting ID as yzm-ymkg-ftx. A grid of participant thumbnails is visible on the right side of the screen.



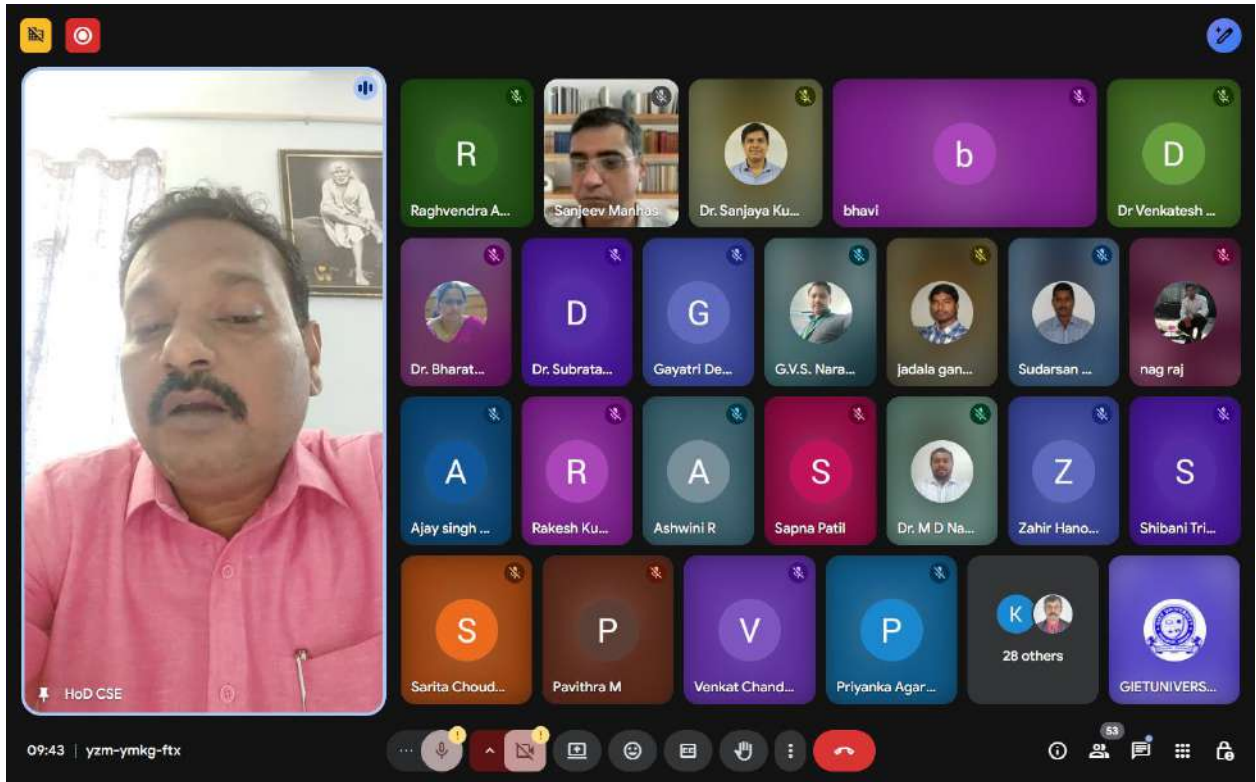
09:41 | yzm-ymkg-ftx

Sanjeev Manhas

HoD CSE

Participants: Raghendra..., Dr. Subrata..., Dr. Sanjaya K..., bhavi, Dr. Venkates..., Dr. Bharathi..., Gayatri Des..., G.V.S. Naray..., 42 others, GIETUNIV...

This screenshot shows the same Zoom meeting at a later time, 09:41. The main video window is split into two smaller windows: Sanjeev Manhas on the left and HoD CSE on the right. HoD CSE is wearing a pink shirt and has his eyes closed. The participant grid on the right shows an increase in the number of participants to 42 others.



Time	Day 1 09/07/2025	Day 2 10/07/2025	Day 3 11/07/2025	Day 4 12/07/2025	Day 5 13/07/2025
09:00AM-11:00AM	<b>Inauguration Ceremony (09:00AM-09:30AM)</b>	<b>Lecture 3</b> Dr. Rahul Kumar Chaurasiya	<b>Lecture 5</b> Nikitha P	<b>Lecture 7</b> Uday Pawar	<b>Lecture 11</b> Nikitha P
	<b>Lecture 1</b> Dr. Sanjaya Kumar Panda				
11:00AM-01:15PM	<b>Lab Session</b> AI-Driven Decision Intelligence: The Power of Reinforcement Learning Dr. Abhinav Tomar	<b>Lab Session</b> Dr. Vijay Bhaskar Semwal	<b>Lab Session</b> Nikitha P	<b>Lecture 8</b> Uday Pawar	<b>Lecture 12</b> Nikitha P
				<b>Lecture 9 (Pedagogy)</b> Uday Pawar	
03:00PM-05:00PM	<b>Lecture 2</b> Dr. Sukomal Dey	<b>Lecture 4</b> Dr. Vijay Bhaskar Semwal	<b>Lecture 6</b> Sreekanth Jaladanki	<b>Lecture 10</b> Uday Pawar	<b>Lecture 13</b> Sreekanth Jaladanki
05:00PM-07:15PM	<b>Lab Session</b> Dr. Sanjaya Kumar Panda	<b>Lab Session</b> Dr. Vijay Bhaskar Semwal	<b>Lab Session</b> Sreekanth Jaladanki	<b>Lab Session</b> Sreekanth Jaladanki	<b>Valedictory</b>
					<b>Quiz</b>

Session 1: Dr. Sanjaya Kumar Panda, NIT Warangal  
 Topic: Introduction to Machine learning (ML)-Explore ML

The image displays two sequential screenshots from a Zoom meeting. The top screenshot, timestamped 09:47, shows a slide titled "Introduction to Machine Learning (ML) - Explore ML" presented by Dr. Sanjaya Kumar Panda, Assistant Professor at NIT Warangal. The slide includes his contact information and affiliations. The bottom screenshot, timestamped 09:58, shows a slide titled "Gartner Hype Cycle for Emerging Technologies, 2024". This slide features a graph with "Expectations" on the y-axis and "Time" on the x-axis, illustrating the progression of various technologies through the stages of the Gartner Hype Cycle. The meeting interface shows a grid of participants on the right and a toolbar at the bottom.

Session 2: Dr. Abhinav Tomar, Assistant Professor, Department of Computer Science & Engineering, Netaji Subhas University of Technology, New Delhi  
Topic: Introduction to AI with Future Directions

The image shows a Zoom meeting interface. The top portion displays a presentation slide from GIET University. The slide title is "ONLINE FACULTY DEVELOPMENT PROGRAMME (FDP)" and the topic is "Foundations of Artificial Intelligence: Concepts, Techniques, and Applications". It is organized by the Department of CSE at GIET University, Gunupur, from July 9th to 13th, 2025. The presenter is Dr. Abhinav Tomar, Assistant Professor, CSE Department, NSUT, New Delhi.

The bottom portion of the image shows a slide titled "Introduction to Artificial Intelligence". It includes a definition of AI and three quotes:

- DEFINITION**
- "Artificial Intelligence is the study of how to make computers do things at which, at the moment, people are better." — Rich and Knight (1991)
- "Artificial Intelligence is the study of the computations that make it possible to perceive, reason and act." — Winston (1992)
- "AI is the study of mental faculties through the use of computational models". — Charniak and McDermott (1985)

The Zoom interface shows a grid of participants on the right, including ABHINAV TO..., Sri Devi, Priyanka Agar..., Goyatri Desh..., bhavi, G.V.S. Narayana, Jadaia gangad..., and 38 others. The meeting controls at the bottom show the time as 11:17 and 11:23.

Session 3: Dr. Sukomal Dey, Associate Professor, Electrical Engineering, Indian Institute of Technology Palakkad

Topic: Artificial Intelligence Driven Brain Scanning using Microwave imaging and Magnetic Resonance Imaging

Sukomal Dey (Presenting)

# Artificial intelligence Driven Brain Scanning using Microwave imaging and Magnetic Resonance Imaging

by  
**Dr. Sukomal Dey**  
Senior Member IEEE, Fellow IETE

Associate Professor,  
Department of Electrical Engineering  
Indian Institute of Technology Palakkad

an FDP on  
**Foundations of Artificial Intelligence: Concepts, Techniques, and Applications**  
GIET University, Gunupur, Odisha

Date: 9-07-2025

15:02 | yzm-ymkg-ftx

Sukomal Dey (Presenting)

## An application scenario of RF sensing in IoT systems:

**Generative AI techniques**

- Generative Adversarial Networks (GANs)
- Variational Autoencoders (VAEs)
- Generative Diffusion Models
- Transformer-based LLMs

**Generative AI-empowered RF sensing**

**Challenges**

- Incomplete and limited RF data observations
  - High costs for data collection.
  - Resource consumption of IoT devices.
  - Signal attenuation during transmission.
- Missing modality in Multi-modal RF sensing
  - One or more modality be missing or incomplete.
  - Pre-trained models not robust for different missing modality.
- Fusion of different modalities
  - Difficult to adapt models trained on one modality to another.
  - Interaction between sensors of different modalities is important.

15:07 | yzm-ymkg-ftx

Session 4: Dr. Sanjaya Kumar Panda, NIT Warangal  
Topic: Task scheduling for Decentralized LLM Serving

The image displays two screenshots from a Zoom meeting. The top screenshot shows a presentation slide titled "Task Scheduling for Decentralized LLM Serving" by Dr. Sanjaya Kumar Panda, Assistant Professor at NIT Warangal. The slide lists his credentials and contact information. The bottom screenshot shows a slide titled "Introduction" with the following bullet points:

- The rapid expansion of generative AI and its integration into daily workflows has magnified the demand for large language model (LLM) inference services [1, 2, 3, 4, 5].
- The deployment of LLM models is often burdened by
  - the **high cost** and
  - limited availability** of GPU resources
- Decentralized Physical Infrastructure Network (DePIN)
  - Idle GPU resources** globally to enable decentralized serving of LLMs

Both screenshots show a Zoom interface with a grid of participants on the right and a meeting control bar at the bottom. The meeting ID is yzm-ymkg-ftx.

Session 5: Dr. Rahul Kumar Chaurasiya, Department of Electronics and Communication Engineering, NIT Bhopal  
 Topic: Introduction to AI, DL, TL and GANs

The image shows a Zoom meeting interface. The top portion displays a presentation slide with the following content:

- Introduction to AI, ML, DL, TL, and GANs**
- Logo of MANIT Bhopal
- Dr. Rahul Kumar Chaurasiya**  
Associate Professor  
Dept. Electronics and Communication Engineering  
MANIT Bhopal  
[rkchaurasiya@manit.ac.in](mailto:rkchaurasiya@manit.ac.in) [rkchaurasiya.39@gmail.com](mailto:rkchaurasiya.39@gmail.com)

The bottom portion of the image shows a grid of participants in the Zoom meeting. The participants visible include:


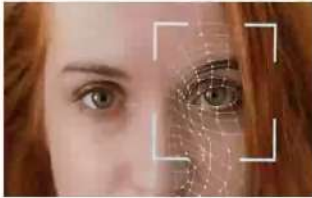
- Rahul Chaurasiya (Presenting, annotating)
- Raghendra Agrawal
- Shibani Tripathy
- Dr. M. D. Nandeesh
- Jadala gangadhar
- Sujatha G.V.
- Logeshwaran J Comput...
- bhevi
- Dr. H S Niranjana Murthy (chat: yes)
- 20 others
- GIETUNIVERSITY SPOT...

The Zoom interface also shows the time as 09:07 and 09:09, and the meeting ID as yzm-ymkg-ftx. The bottom toolbar includes icons for mute, video, chat, and other meeting controls.

Session 6: Dr. Vijay Bhaskar Semwal, National Institute of Technology, Bhopal  
Topic: Future trends and Career Opportunities in AI



Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Future Trends and Career Opportunities in AI

**Dr. Vijay Bhaskar Semwal**  
 Assistant Professor  
 Dept. of Computer Science & Engineering  
 MANIT Bhopal

Home Page: <https://sites.google.com/site/wwwbsemwal.com/>  
 Presented during 10 days training on *Foundations of Artificial Intelligence: Concepts, Techniques, and Applications*  
 Jointly organized by the **GIET University, Gunupur**  
 in collaboration with the **Electronics and ICT Academy, IIT Roorkee.**

11:09 | yzm-ymkg-ftx



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Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

meet.google.com - To exit full screen, press Esc

## Future Trends in AI

- **AI and Human Collaboration** : AI will increasingly augment human work, not just automate it.
- Impact:** AI copilots (e.g., GitHub Copilot, Microsoft 365 Copilot) will expand to more industries. **Skills Needed:** Human-centered design, explainable AI (XAI), and HCI (Human-Computer Interaction).
- **Generative AI:** Tools like ChatGPT, Sora, and DALL-E are changing content creation, software development, and education.
- Impact:** Demand for prompt engineering, ethical use frameworks, and multimodal AI understanding. **Skills Needed:** Natural language processing, fine-tuning models, creative AI applications.
- **AI in robotics:** various automation tasks
- **AI in Healthcare:** Predictive diagnostics, personalized medicine, and drug discovery via AI. **Impact:** Major job growth in bioinformatics, AI healthcare strategy, and regulatory compliance. **Skills Needed:** Medical data analysis, ML in life sciences, FDA/EMA regulations for AI.

11:12 | yzm-ymkg-ftx

Session 7: Dr. Vijay Bhaskar Semwal, National Institute of Technology, Bhopal  
 Topic: Generative AI

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Introduction

- Machine Learning on Microcontrollers is the most efficient, cheap, and reliable way of developing Edge Computing applications with low energy consumption.
- 'Arduino Nano 33 BLE Sense board' is used as a microcontroller to capture and classify 5 human gestures - "Squat", "Jump", "Walk", "Run", "Other".
- The board has capabilities such as embedded sensors and BLE enabled.
- Built Deep Learning model using captured gestures data to classify human gestures

18:46 | yzm-ymkg-ftx

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Deep Learning WorkFlow

```

graph LR
    start((start)) --> DP[Data Preprocessing]
    DP --> TD[Training Data]
    DP --> VD[Validation Data]
    TD --> CF[Compile and Fit Deep Learning model]
    VD --> MPQ[Model Pruning & Quantization]
    CF --> MPQ
    MPQ --> QM[Quantized model]
    QM --> MI((Model Inference))
    TestData[Test Data] --> QM
  
```

SABITHA Rajamani can now join this meeting

19:04 | yzm-ymkg-ftx

Session 8: Dr. Vijay Bhaskar Semwal, National Institute of Technology, Bhopal  
Topic: Deep Learning

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Deep Learning WorkFlow

```

graph LR
    start((start)) --> DP[Data Preprocessing]
    DP --> TD[Training Data]
    DP --> TeD[Test Data]
    TD --> VD[Validation Data]
    VD --> CF[Compile and Fit Deep Learning model]
    TeD --> CF
    CF --> MPQ[Model Pruning & Quantization]
    MPQ --> QM[Quantized model]
    QM --> MI((Model Inference))
  
```

19:06 | yzm-ymkg-ftx

Dr. VIJAY BHASKAR SEMWAL (Presenting, annotating)

## Data Preprocessing

- Deep learning models accept input and generate output in the form of tensors
- Transformed the input into tensor with shape (500, 716)
  - 500 : 100 samples for each of 5 gestures
  - 716 : each sample rate X (accelerometer, gyroscope) = 119 x 6 = 716
- Transformed the output into tensor with shape (500, 5)
  - 500 : 100 samples for each of 5 gestures
  - 5 : one-hot encoding of 5 gestures

19:09 | yzm-ymkg-ftx

Session 9: Ms. NikithaP , Catchpoint, Bengaluru  
Topic: Introduction to AI

**What Is AI?**

AI (Artificial Intelligence) means making computers think or act like humans—doing things like learning, understanding language, solving problems, or even seeing and recognizing images.

Meeting participants: Nikitha P, Dr. Bikush Kumar Sahoo, Sathya S CSE, 21 others, GIETUNIVERSITY SPOTLIG...

Time: 09:12 | yzm-ymkg-ftx

**Why Artificial Intelligence (AI) Matters**

Diagram illustrating AI-powered applications in Finance, Healthcare, and Retail.

Meeting participants: Nikitha P, Dr. H S Niranjana Murthy, Sathya S CSE, 25 others, GIETUNIVERSITY SPOTLIG...

Time: 09:21 | yzm-ymkg-ftx

Session 10: Ms. NikithaP , Catchpoint, Bengaluru  
 Topic: Machine Learning in AI

**Types of Machine Learning**

- Supervised Learning**  
Model learns from labeled data  
E.g. - Predicting stock market movements using historical data
- Unsupervised Learning**  
Model finds patterns in unlabeled data  
E.g. - Identifying hidden customer segments based on purchasing behavior
- Reinforcement Learning**  
Model learns through trial and error by receiving rewards or penalties  
E.g. - AlphaGo, the AI developed to play the board game Go, uses reinforcement learning

Meeting controls: 11:06 | yzm-ymkg-ftx

**Supervised Learning**

Meeting controls: 11:10 | yzm-ymkg-ftx

**People**

Mute all | Add people

Search for people

IN THE MEETING

Contributors 44

- GIETUNIVERSITY ... (You) Meeting host
- Ajay Singh Yadav
- bhavi
- Dr CHANDRAKALA K
- Dr Venkatesh C. K
- Dr. Bharathi Gururaj

Session 11: Mr. Sreekanth Jaladanki ,Fireflink Pvt Ltd, Bengaluru  
Topic: AWS with AI

The image shows a Zoom meeting interface with a presentation slide. The slide is divided into two parts: the AWS Console Home page and a Wikipedia article.

**Part 1: AWS Console Home**

The AWS Console Home page displays a 'Recently visited' list on the left and an 'Applications' table on the right. The 'Applications' table is currently empty, showing a message: 'No applications. Get started by creating an application.' Below the table is a 'Create application' button.

**Part 2: Wikipedia Article**

The second part of the slide shows a Wikipedia article titled 'List of companies by research and development spending'. The article includes a table of the top 20 companies with the highest R&D expenses in 2022.

Rank	Company	Country	Sector	Expenditures on R&D (billions of US\$)
1	Amazon	United States	Software and Internet	73.21
2	Alphabet Inc.	United States	Software and Internet	39.50
3	Meta Platforms, Inc.	United States	Software and Internet	35.34
4	Apple	United States	Computing and Electronics	27.65
5	Microsoft	United States	Software and Internet	26.63
6	Huawei	China	Computing and Electronics	24.00
7	Volkswagen Group	Germany	Automotive	19.88
8	Samsung Electronics	South Korea	Computing and Electronics	19.29
9	Intel	United States	Computing and Electronics	17.53
10	Roche Holding	Switzerland	Health Care	14.72
11	Johnson & Johnson	United States	Health Care	1.6
12	Novartis	Switzerland	Health Care	1.55

The Zoom interface includes a top bar with the presenter's name 'Sreekanth Jaladanki (Presenting, annotating)', a grid of participant avatars, and a bottom toolbar with icons for mute, video, chat, and other meeting controls. The time shown is 15:01 and 15:08.

Session 12: Mr. Sreekanth Jaladanki ,Fireflink Pvt Ltd, Bengaluru  
 Topic: Open AI

The image shows two screenshots from a Zoom meeting. The top screenshot displays a presentation slide comparing Open AI and Ollama. The bottom screenshot shows a diagram titled "Ollama on Data Privacy" illustrating the flow of data from organizations to chatbots and then to Ollama.

**Open AI**

- API which can be leveraged
- Has API requiring internet access during development
- Needs payment
- No data privacy

**Ollama**

- Start without paying or setting up
- Has an API which can be run locally
- Free
- Data remains secure since it is local
- Compatible with OpenAI API

**Ollama on Data Privacy**

The diagram shows "Organizations" (with icons for a building, a book, and a person) providing data to "Chatbots". Below "Organizations" are icons for "GDPR" and "HIPAA". "Chatbots" are represented by a speech bubble icon. "Ollama" is represented by a cat icon. Arrows indicate the flow of data from "Organizations" to "Chatbots" and from "Chatbots" to "Ollama". A separate box with a group of people icon is connected to the "Chatbots" and "Ollama" components.

Session 13: Mr. Uday Pawar , Rest Coder Academy, Bengaluru  
 Topic: Python , TensorFlow, Sci-Kit learn

The image displays two screenshots from a Google Meet session. The top screenshot shows a code editor with the following Python code:

```
import numpy
arr = numpy.array([1, 2, 3]) # 1D Array
print(arr)
print("----")
import numpy as np
arr = np.array([1, 2, 3, 4]) # 1D Array
print(arr)
arr = np.array([[1,2], [3,4]]) # 2D Array
print(arr)
arr = np.array([10, 20, 5, 60, 35, 40])
print("Max is", np.max(arr))
print("Min is", np.min(arr))
a = np.array([10, 20, 30])
b=np.array([2, 3, 4])
```

The bottom screenshot shows the same code editor with a Python Shell window open, displaying the following output:

```
print(a+b)
print(a*b)
...
import numpy as np
temp = np.array([32.5, 33.8, 31.5, 28.2, 30.2])
print('Avg Temp:', np.mean(temp))
```

The Python Shell window shows a NameError:

```
Python 3.8.1 Shell
File Edit Shell Debug Options Window Help
Min is 5
[12 23 34]
[ 20  60 120]
>>>
===== RESTART: C:/Users/Admin/Desktop/GIET FDP/numpy examples.p
Traceback (most recent call last):
  File "C:/Users/Admin/Desktop/GIET FDP/numpy examples.py", line 30,
    temp = np.array([32.5, 33.8, 31.5, 28.2, 30.2])
NameError: name 'np' is not defined
>>>
===== RESTART: C:/Users/Admin/Desktop/GIET FDP/numpy examples.p
Avg Temp: 31.24
>>>
```

Session 14: Mr. Uday Pawar , Rest Coder Academy, Bengaluru  
Topic: Python , TensorFlow, Sci-Kit learn

The image shows a Zoom meeting interface with two screenshots of the main content area. The top screenshot displays a Python code editor with the following code:

```
# Importing Libraries
from sklearn.datasets import load_iris
from sklearn.model_selection import train_test_split
from sklearn.tree import DecisionTreeClassifier
from sklearn.metrics import accuracy_score

# Load the DataSet
iris = load_iris()
X = iris.data
y = iris.target # setosa....

# Split the data
X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.3)

# Choose & Train Model
model = DecisionTreeClassifier()
model.fit(X_train, y_train)

# Predict & Evaluate
y_pred = model.predict(X_test)
accuracy = accuracy_score(y_test, y_pred)
print(f'Model Accuracy: {accuracy*100:.2f}%')

# Model Accuracy: 88.89%
```

The bottom screenshot shows a PowerPoint slide titled "CODE SUMMARY" with the following table:

Code	Description
load_iris()	Loads the built-in flower dataset
train_test_split()	Splits data into training/testing sets
DecisionTreeClassifier()	Machine learning model used
fit()	Trains the model on the data
predict()	Predicts the flower type
accuracy_score()	Measures how accurate the model is

The Zoom interface includes a top bar with the meeting name "Rest Coder Academy (Presenting, annotating)", a participant grid on the right, and a bottom toolbar with icons for chat, mute, video, and other controls. The time shown is 12:34 PM and 12:35 PM.

Session 15: Mr. Uday Pawar , Rest Coder Academy, Bengaluru  
Topic: Tensor Flow

The image shows a Google Meet session with two slides. The top slide, titled "MODELS", contains the following text:

- A model is a group of layers stacked together to solve a task like classification or prediction. Models define:
- What layers to use
- How data flows between them
- Types of Models in TensorFlow:
  - Sequential - Straightforward stack of layers
  - Functional - More flexible for complex architectures

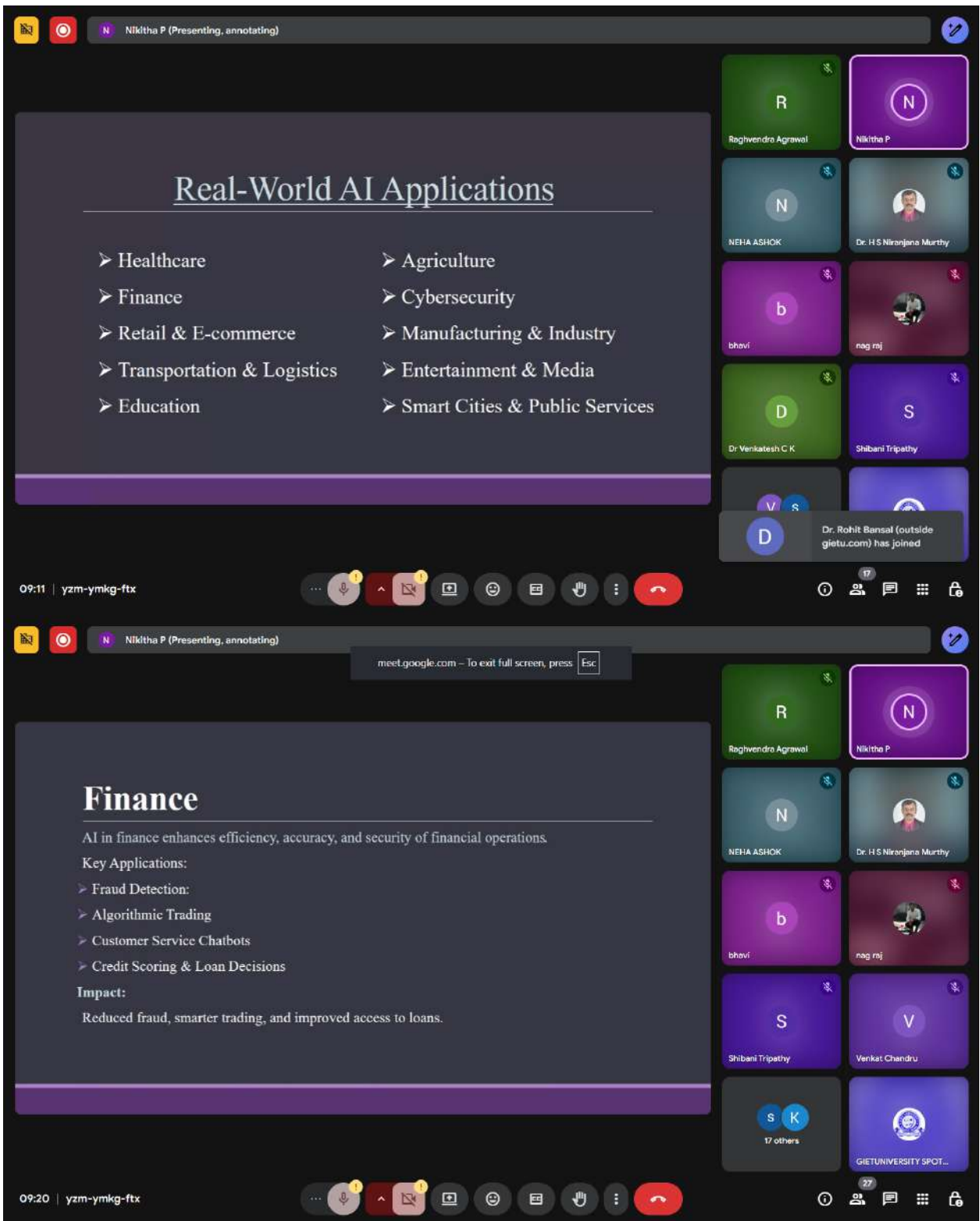
The bottom slide, titled "CODE", shows Python code for TensorFlow and its execution output in a terminal window:

```
import tensorflow as tf
# Check TensorFlow version
print("TensorFlow version:", tf.__version__)
# Create a constant tensor
hello = tf.constant("Hello from TensorFlow!")
print(hello)
# Access the value (if TF 2.x, it's eager execution by default)
print("Tensor value:", hello.numpy())
```

```
Python 3.5.1 Shell
File Edit Shell Debug Options Window Help
===== RESTART: C:/Users/Admin/Desktop/FDP/TF1.py =====
TensorFlow version: 2.13.0
tf.Tensor(b'Hello from TensorFlow!', shape=(), dtype=string)
Tensor value: b'Hello from TensorFlow!'
>>>
```

The meeting interface includes a top navigation bar with the title "Rest Coder Academy (Presenting, annotating)", a toolbar with icons for mute, video, chat, and other functions, and a grid of participant avatars on the right side. The time displayed is 3:22 PM and 3:26 PM.

Session 16: Ms. NikithaP , Catchpoint, Bengaluru  
Topic: Real world AI Applications



Session 17: Ms. Nikitha P , Catchpoint, Bengaluru  
Topic: Real time translations for AI

Nikhitha P (Presenting, annotating)

## Modality Considerations

```

    graph TD
      M1[Model 1 Output] --> CO[Combine Outputs]
      M2[Model 2 Output] --> CO
      M3[Model 3 Output] --> CO
      CO --> EM[Ensemble Method]
      EM --> BP[Better Performance]
  
```

11:16 | yzm-ymkg-ftx

---

## Choosing the Right Architecture

Legend: ● Input Cell, ● Pooling or Convolution, ● Fully Connected, ● Memory Cell, ● Output Cell

(a) Convolutional Neural Network: Input Layer (blue) → Hidden Layers (magenta) → Output Layer (gray/red)

(b) Recurrent Neural Network: Input Layer (blue) → Hidden Layers (green) → Output Layer (red)

11:17 | yzm-ymkg-ftx

Session 18: Mr. Sreekanth Jaladanki ,Fireflink Pvt Ltd, Bengaluru  
 Topic: Ethics for AI

meest.google.com - To exit full screen, press Esc

Sreekanth Jaladanki (Presenting, annotating)

The screenshot shows a web browser displaying a CSO article. The article title is "3. Amazon: \$877 million". The text discusses a fine issued by the Cyberspace Administration of China to Amazon in summer 2021. A newsletter sign-up box is visible on the right side of the article.

### 3. Amazon: \$877 million

In summer 2021, retail giant Amazon's financial records revealed that officials in Luxembourg issued a €748 million (then \$877 million) fine for breaches of the **GDPR**. Amazon was expected to be appeal the fine, with a spokesperson stating, "There has been no data breach, and no customer data has been exposed to any third party." La Quadrature du Net, the French digital rights organization that filed the original data protection complaint against Amazon on behalf of 10,065 individual complainants in May 2018, said that was unsurprising, since its 19-page complaint targeted Amazon's operation of a behavioral advertising system without adequate consent, and not an intermittent leak of personal data.

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3:06 PM | yzm-ymkg-ftx

Zoom meeting controls including mute, video, chat, and a red phone icon. The participant list on the right shows 23 participants, including Sreekanth Jaladanki, Dr. H S Niranjana Murthy, and others.

meest.google.com - To exit full screen, press Esc

Sreekanth Jaladanki (Presenting, annotating)

The screenshot shows a web browser displaying a CSO article. The article title is "1. Meta (Facebook) : \$1.3 Billion". The text discusses a fine issued by Ireland's Data Protection Commission (DPC) to Meta Platform Ireland Limited in May 2023. A newsletter sign-up box is visible at the bottom of the article.

### 1. Meta (Facebook) : \$1.3 Billion

In May 2023, Ireland's Data Protection Commission (DPC) concluded an enquiry into Meta Platform Ireland Limited ("Meta Ireland") it had initiated in Aug 2020, billing the social media giant €1.2 billion (\$1.3 billion) for violation of the GDPR. With regards to the article 46(1) of the GDPR, the Irish privacy watchdog blamed Meta Ireland for the transfer of personal data from the EU or the European Economic Area (EEA) to the US without adequate data privacy safeguards in connection with the delivery of its Facebook services. Meta's president of global affairs, Nick Clegg, said, "We intend to appeal both the decision's substance and its orders including the fine, and will seek a stay through the courts to pause the implementation deadlines."

Trend Micro flags BERT: A rapidly growing ransomware threat  
By Rich Singh  
Jul 8, 2025 • 5 min  
Subscribe | Trend Micro

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SPOTLIGHT: AI READY DATA CENTERS

SEND US YOUR NEWSLETTER  
From our editors

3:07 PM | yzm-ymkg-ftx

Zoom meeting controls including mute, video, chat, and a red phone icon. The participant list on the right shows 24 participants, including Sreekanth Jaladanki, Dr. H S Niranjana Murthy, and others.

### Participants List

S/No.	Applicant Name	Organization/Institute/College Name
1	Arun kumar Tyagi	Motherhood University, Roorkee, Haridwar
2	Santosh Panda	GIET UNIVERSITY, Gunupur
3	LOGESHWARAN J	Christ University
4	Manas Ranjan Sarangi	Gandhi Institute of Engineering and Technology University, Odisha Gunupur.
5	Hanumant Harichandra Redkar	Goa University
6	Prof. Satya Narayan Das	GIET University, Gunupur
7	Abinash Mohanty	Giet University
8	Dr.Vinita Kale	MITWPU School of Business
9	Sai Sharan Purohit	GIET University
10	Shibani Tripathy	GIET University
11	BHAVITHRASHIKA S	PONDICHERRY UNIVERSITY
12	Mr. Prahallad Kumar Sahu	GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR
13	DR. GURURAJ HATTI	KLS Vishwanathrao Deshpande Institute of Technology
14	Dr.R.SABITHA	SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY
15	Ramesh Dhulipudi	Pragati Engineering College
16	Dr.B.INDIRA PRIYADHARSHINI	NGM COLLEGE
17	Dr.LEKHA SHREE.S	PSGR KRISHNAMMAL COLLEGE FOR WOMEN
18	BANI PRASAD NAYAK	GIET University
19	Dr. GAYATRI VINEELA MARRIVADA	VASAVI COLLEGE OF ENGINEERING
20	R.Sridevi	K.Ramakrishnan College of Technology, Trichy
21	Indhumathi	K.Ramakrishnan college of Technology
22	Bhaskar Mekala	koneru lakshmaiah education foundation
23	Prof Narayan Malakar	UEM kolkata
24	BIBHUPRASAD BHOI	GIET UNIVERSITY GUNUPUR
25	Dr. THEJASWINI S	B M S INSTITUTE OF TECHNOLOGY AND MANAGEMENT
26	Mr. KARTHIKEYAN M P	JAIN (Deemed-to-be University)
27	Mrs. Mousumi Manojita Mohanty	Institute of Professional Studies and Research , Cuttack
28	DR. VENKATESH C K	GOVERNMENT FIRST GRADE COLLEGE FOR WOMEN
29	P.Sabitha	GIETU
30	Dr.Rashmi N	BMS Institute of Technology and Management
31	Rimsha sadaf	Stanley College of engineering and technology for women
32	Dr.V.Vimala	Avinashilingam Institute for Home Science and Higher Education for Women Coimbatore 641043, Tamilnadu India

33	Dr. Ashish Kumar	Manipal University Jaipur
34	JADALA.GANGADHAR	KONERU LAKSHMAIAH EDUCATION FOUNDATION
35	Dr.Girish Kumar Painoli	GURU NANAK UNIVERSITY
36	Dr Pavithra M	Jansons Institute of Technology
37	Dr. Kali Charan Rath	Gandhi Institute of Engineering and Technology University, Odisha, Gunupur
38	Chandrasekaran Venkatesan	Vel's University School of Marine Studies
39	Dr. Vibha Soni	Poddar Business School, Jaipur
40	Mrs. Archana Patnaik	GIET UNIVERSITY Gunupur
41	ILANGO VELCHAMY	CMR Institute of Technology
42	Dr. sarita Choudhary	Poddar Group of Institutions
43	Dr A Velayudham	Jansons Institute of Technology (Autonomous)
44	Dr Subrata Kr Debnath	Meghnad Saha Institute of Technology
45	Pushpendra Pal Singh	GL Bajaj Institute of Management
46	Rakesh Kumar Dixit	GL Bajaj Institute of Management
47	Venkata Narayana Lakamana	University College of Engineering Kakinada JNTUK Kakinada
48	Dr. Shanmukha Naga Raju Vonteddu	University College of Engineering Kakinada, Jawaharlal Nehru Technological University Kakinada
49	TIPANNA S GOUDAR	BVVS POLYTECHNIC (AUTONOMOUS), BAGALKOT
50	Mrs.R.Ashwini	Jansons Institute of Technology
51	CHANDRAKALA K	Vel Tech Multi Tech Dr.Rangarajan Dr.Sakunthala Engineering College
52	Dr. H.S.NIRANJANA MURTHY	RAMAIAH INSTITUTE OF TECHNOLOGY, BANGALORE
53	Dr. M D Nandeesh	Ramaiah Institute of Technology
54	Dr. Raguraman Kannan	University of Bahrain
55	Dr. Zahir Hanouf	University of Bahrain
56	DIVYA.D	KSIT
57	Dr.Bharathi Gururaj	K S Institute of Technology
58	Suma Santosh	KSIT
59	Priyanka Prabhakar Sherkhane	Pillai College of Engineering, New Panvel
60	SAPNA PATIL	k S Institute of Technology ,Bengaluru
61	Neha Ashok	Pillai College Of Engineering
62	Sneha Akshay Pakle	Parul university
63	Prof.Jitendra Kumar Gardia	O.P Jindal University , Raigarh
64	JEMARANI JAYPURIA	OP JINDAL UNIVERSITY, RAIGARH, CHHATISGARH
65	Dr. Sudersan Behera	SR University
66	MS. S. Sathya	Sri Ramakrishna Engineering College
67	BALAJI C	Model Residential GFGC for Women

68	Dr. Ajay Singh Yadav	SRM Institute of Science and Technology Delhi-NCR Campus Ghaziabad UP
69	Dr. ANITA P	KSIT
70	Shreya Sinha	Lovely Professional University
71	Santosh Kumar Yadav	SR University Warangal
72	Jaymala Pravin Chavan	Pillai College Of Engineering
73	Anand R	Model Residential Government First Grade College for women, Hardnahalli
74	Dr. Vidyashree D V	Christ University
75	Dr. Priyanka Agarwal	SRM Institute of Science and Technology, Delhi-NCR Campus Modinagar, Ghaziabad
76	Dr Rohit Bansal	Lovely Professional University
77	Dr.K.Kalaiarasi	Cauvery College for Women (A)
78	INDUMATHI KOPPISETTY	CAMBRIDGE INSTITUTE OF TECHNOLOGY



**Electronics & ICT Academy  
IIT Roorkee**

An Initiative of  
Ministry of Electronics  
& Information  
Technology (MeitY)  
Government of India

**A Faculty Development  
Program  
on**

**Foundations of Artificial Intelligence:  
Concepts, Techniques, and Applications**

In association with  
**GIET University, Gunupur, Odisha**  
July 07<sup>th</sup> – July 11<sup>th</sup>, 2025  
Register Before: July 05, 2025



**Venue: Hybrid Mode at: GIET University,  
Gunupur, Odisha**

**Objectives of the Course**

- Introduce core AI concepts like search, ML, NLP, and computer vision.
- Familiarize with tools such as Python, TensorFlow, and Scikit-learn.
- Explore real-world AI applications across key sectors.
- Enable hands-on learning through coding and mini-projects.
- Encourage interdisciplinary AI research and innovation.
- Highlight ethical and societal aspects of AI use.



**Why this course ?**

The Faculty Development Program "Foundations of Artificial Intelligence: Concepts, Techniques, and Applications" is designed to provide a strong conceptual and practical understanding of the rapidly evolving field of AI. With AI becoming a cornerstone of innovation across industries from healthcare and finance to education and transportation—this course aims to equip learners with the foundational knowledge needed to thrive in an AI-driven world.

**Prerequisites**

No experience is required, but fundamental knowledge of any programming language would be helpful.

**Experts from Academia/Industry**

**Who Should Register?**  
Any Interested Faculty/PhD-Scholars UG/PG/ & Industry Persons can register

**Registration Fee**

Fees: ₹ 250/- Faculty/Research Scholar/ Students  
₹ 500/- Industry/Others  
Note: Refund will be done in case of course cancellation only, with in 20 working days

**FDP Kits & Refreshment will be provided**

**How to make Payment**

Please make the payment first using the below link upload the payment receipt when filling out the Google registration form

<https://eict.iitr.ac.in/instruction-for-payment/>

**Course Code: EICTIITR-FDP-5H6-16**

**Registration Link**

<https://forms.gle/MfPooHHTS6fknyDJA>



Scan QR for registration

Register before: July 05, 2025

Click on icon to follow us on:



**Course Outcomes**

- Understand and explain foundational AI concepts
- Identify suitable AI techniques for real-world problems
- Apply search and logic-based algorithms to solve tasks
- Build simple AI models using programming tools
- Analyze the impact and scope of AI in various industries
- Interpret and implement basic ML and NLP methods
- Gain exposure to ongoing AI research and applications

**Focus Areas**

- AI fundamentals and search algorithms
- Knowledge representation and reasoning
- ML basics: regression, classification, decision trees
- Neural networks and deep learning (CNN, RNN)
- NLP and computer vision concepts
- Hands-on with Scikit-learn, TensorFlow, Keras, OpenCV

**Course Features**

- 40 Hours of Lectures, hands-on, and Pedagogy/Industry sessions.
- Lectures from Expert Speakers, Hands-on from industry/Academia experts.
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

**Who may benefit**

- Academic Faculty and Students(UG/PG)
- Government Officials,
- Working Professionals in the Industry and Startups.
- Research Scientists and Technical Staff.

This certificate can be considered in alignment with other Quality Improvement Programs (QIP) as well as NBA and NAAC for recognition/credit.

**Principal Investigator**

- Prof. Sanjeev Manhas ECE Department, IIT Roorkee

**Course Coordinators**

- Prof. Sanjeev Manhas, IIT Roorkee
- Dr. Raghvendra Kumar, CSE Department, GIET University, Odisha

**Reach Us:**

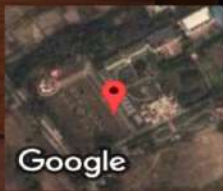
- M.No.: 8112766397
- Landline No.: +91-1332286457
- Email: eict@iitr.ac.in



Google

### Rayagada, Odisha, India

Administrative Block, Giet Rd, Odisha 765022, India,  
Rayagada, Odisha 765022, India  
Lat 19.048412° Long 83.831634°  
09/07/2025 09:33 AM GMT +05:30



Google

### Rayagada, Odisha, India

Administrative Block, Giet Rd, Odisha 765022, India,  
Rayagada, Odisha 765022, India  
Lat 19.048412° Long 83.831614°  
09/07/2025 09:33 AM GMT +05:30




# Agentic AI Hackathon - 2025



**Agentic AI Hackathon - 2025**  
Organized by Department of CSA & CSE, GIET University, Gunupur-765022  
In association with  
**Hebbale Academy Pvt. Ltd. Bangalore.**  
Day - 1, Schedule [04/09/2025]

## INAUGURAL SCHEDULE

Time	Event at Mechanical Auditorium
09:00-09:05 AM	Inviting the Guests to the Dias
09:05-09:10 AM	Lighting of the Lamp and Saraswati Vandana
09:10-09:15 AM	Welcoming Address by Dr. K M Gopal, Dy. Dean, Computational Sciences, GIET University
09:15-09:25 AM	Address by Dr. A. V. N. L. Sharma, Vice-Chancellor, GIET University
09:25-09:40 AM	Address by Dr. Chandra Dhvaj Panda, Vice-President, GIET University
09:40-09:50 AM	Baidyanath Mohapatra, Vice-President & Head of Relationships, Hebbale Academy
09:50-10:00 AM	Piyush Gupta, Chief Product Officer, Hebbale Academy
10:00-10:10 AM	Shashank Shankar, Co-Founder & Chief AI Officer (CAIO), Hebbale Academy
10:10-10:20 AM	Vote of Thanks by Prof. S. N. Das, HoD CSA
10:30-11:00 AM	Agentic AI Orientation for Faculty, Judges, and Stakeholders
11:00-01:00 PM	Agentic AI Workshop for Students
Lunch Break	
2:30-6:00 PM	Agentic AI Workshop for Students (Continued)

  
Dr. N. V. J. Rao  
Registrar,  
GIET University



# Agentic AI Hackathon - 2025




**Agentic AI Hackathon - 2025**  
Organized by Department of CSA & CSE, GIET University, Gunupur-765022  
In association with  
**Hebbale Academy Pvt. Ltd. Bangalore.**

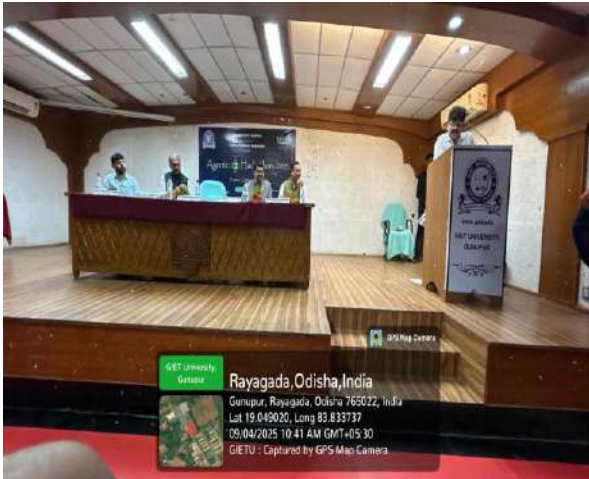
## Day - 2, Schedule [05/09/2025]

Time	Event at Smart Class Room - 1 and 2
9:00 AM - 6:00 PM	Agentic AI Hackathon Challenge

## Day - 2, Schedule [05/09/2025]

Time	Event at Smart Class Room - 1 and 2
9:00 AM - 9:30 AM	Announcement of Shortlisted Teams for the Final Round (presentation)
10:00 AM - 03:00 PM	Shortlisted Teams Present Solutions to Judges
03:00 PM - 03:30 PM	Scoring & Finalizing the Winners
03:30 PM - 04:30 PM	Winner Announcement, Rewards Ceremony
04:30 PM - 04:35 PM	Vote of Thanks by Dr. B. B. Biswal

  
Dr. N. V. J. Rao  
Registrar,  
GIET University



**Electronics & ICT Academy, Indian Institute of Technology Roorkee**  
**One Week Faculty Development Program on**  
**Machine Learning: From Data to Decision**  
**Organized by**

Department of Computer Science and Engineering  
GIET University, Gunupur-765022

*17<sup>th</sup> September 2025 to 21<sup>st</sup> September 2025*

<b>Inaugural Ceremony Agenda (17/09/2025)</b>	
09:00 AM – 09:05 AM	Inviting the Guests to the Dias
09:05 AM-09:10 AM	Welcome address by FDP Coordinator <b>Dr.Raghvendra Kumar</b> , GIET University
09:10 AM-09:15AM	Address by Dy. Dean, Computational Sciences <b>Dr. K M Gopal</b> , GIET University
09:15 AM-09:20 AM	Address by Dean R&D Biomedical Sciences <b>Dr.MayadharBarik</b> ,GIET University
09:20 AM-09:25AM	Address by Vice Chancellor <b>Dr.AVNL Sharma</b> , GIET University
09:25 AM-09:40AM	Address by Professor, ECE Department, IIT Roorkee& Chief Investigator <b>Dr.SanjeevManhas</b> , IIT Roorkee

The Electronics & ICT Academy at the Indian Institute of Technology Roorkee (IIT Roorkee) is a premier initiative supported by the Ministry of Electronics and Information Technology (MeitY), Government of India, aimed at strengthening the teaching and research infrastructure in the fields of Electronics and ICT across the country. The Academy plays a pivotal role in capacity building by organizing high-quality Faculty Development Programs (FDPs), workshops, and training sessions, particularly for faculty and technical staff from engineering institutions. As part of this initiative, the Academy has collaborated with the Department of Computer Science and Engineering, GIET University, Gunupur, to organize a One Week Faculty Development Program on Machine Learning: From Data to Decision from 17<sup>th</sup> September 2025 to 21<sup>st</sup> September 2025. This program seeks to empower faculty with the essential knowledge and hands-on experience in cutting-edge ML technologies, fostering academic excellence and innovation in teaching and research.

meet.google.com - To exit full screen, press Esc

09:51 | vck-bizw-gzm

09:55 | vck-bizw-gzm



**Session 1:**Dr. Rahul Kumar Chaurasiya,Department of Electronics and Communication Engineering, Maulana Azad National Institute of Technology Bhopal  
**Topic:**Introduction to AI, ML, DL, TL and GANs

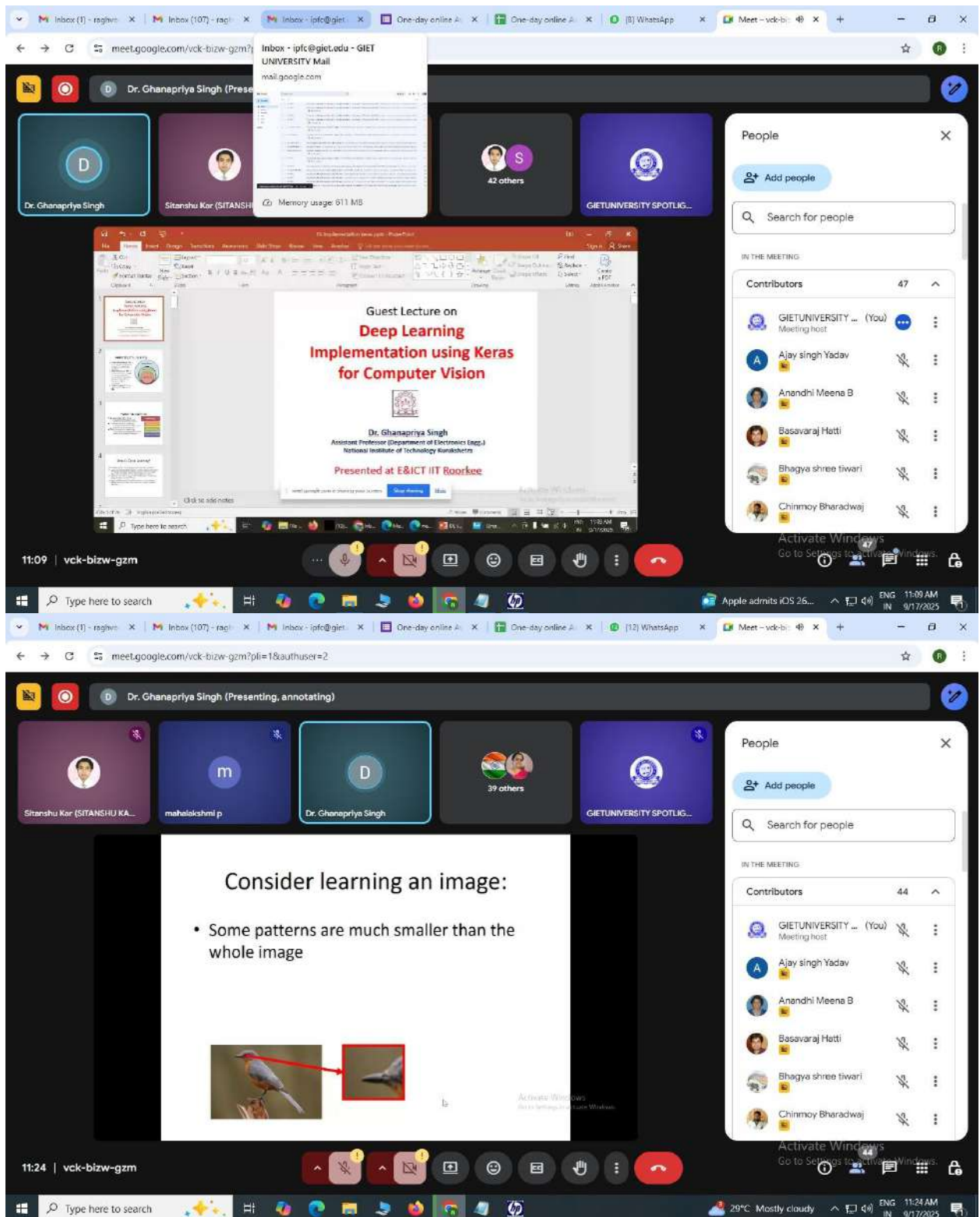
**Introduction to AI, ML, DL, TL, and GANs**

Dr. Rahul Kumar Chaurasiya  
Associate Professor  
Dept. Electronics and Communication Engineering  
MANIT Bhopal  
[rkchaurasiya@manit.ac.in](mailto:rkchaurasiya@manit.ac.in) [rkchaurasiya\\_39@gmail.com](mailto:rkchaurasiya_39@gmail.com)

**Defining AI**

- AI is used to describe machines that mimic *cognitive* functions of humans mind, such as *learning* and *problem solving*.
- The traditional problems (or goals) of AI research include reasoning, planning, learning, natural language processing, perception and the ability to move objects.

**Session 2:**Dr. Ghanapriya Singh, Department of Electronics and Communication Engineering, National Institute of Technology Kurukshetra  
**Topic:** Deep Learning Implementation using Keras for Computer Vision



**Session 3: Dr. Sanjaya Kumar Panda, National Institute of Technology Warangal**  
**Topic: Nearest Neighbor based Classifiers**

**Nearest Neighbour Based Classifiers**

**Dr. Sanjaya Kumar Panda**  
 IEEE Senior Member and CSI & ACM Distinguished Speaker

Assistant Professor  
 Department of Computer Science and Engineering  
 National Institute of Technology, Warangal  
 (An Institute of National Importance under MHRD, Govt. of India)  
 Warangal - 506004, Telangana, India  
 Mobile No.: +91-9861126947  
 Email: sanjayauc [at] gmail [dot] com  
 sanjaya [at] nitw [dot] ac [dot] in  
 Google Scholar DBLP YouTube

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**Fuzzy kNN Algorithm**

Example 7: Let the training set consist of the following three dimensional patterns:  $X_1 = (0.8, 0.8, 1)$ ,  $X_2 = (1.0, 1.0, 1)$ ,  $X_3 = (1.2, 0.8, 1)$ ,  $X_4 = (0.8, 1.2, 1)$ ,  $X_5 = (1.2, 1.2, 1)$ ,  $X_6 = (4.0, 3.0, 2)$ ,  $X_7 = (3.8, 2.8, 2)$ ,  $X_8 = (4.2, 2.8, 2)$ ,  $X_9 = (3.8, 3.2, 2)$ ,  $X_{10} = (4.2, 3.2, 2)$ ,  $X_{11} = (4.4, 2.8, 2)$ ,  $X_{12} = (4.4, 3.2, 2)$ ,  $X_{13} = (3.2, 0.4, 3)$ ,  $X_{14} = (3.2, 0.7, 3)$ ,  $X_{15} = (3.8, 0.5, 3)$ ,  $X_{16} = (3.5, 1.0, 3)$ ,  $X_{17} = (4.0, 1.0, 3)$ ,  $X_{18} = (4.0, 0.7, 3)$ .

- If we take  $P = (3.0, 2.0)$  and  $k = 5$ , the 5 nearest neighbours will be  $X_{18}$ ,  $X_7$ ,  $X_{14}$ ,  $X_6$  and  $X_{17}$ .
- There are **no patterns** from class 1,  $\mu_1(P)$  will be 0.
- For class 2,  $\mu_2$  will be 1 for patterns  $X_6$  and  $X_7$ , and 0 for patterns  $X_{16}$ ,  $X_{14}$  and  $X_{17}$ .
- For class 3,  $\mu_3$  will be 1 for patterns  $X_{16}$ ,  $X_{14}$  and  $X_{17}$ , and 0 for patterns  $X_6$  and  $X_7$ .
- Taking  $m = 2$ , we get

$$\mu_1(P) = 0, \mu_2(P) = \frac{\frac{1}{1.41^2} + \frac{1}{1.33^2}}{\frac{1}{1.41^2} + \frac{1}{1.33^2} + \frac{1}{1.22^2} + \frac{1}{1.32^2} + \frac{1}{1.41^2}} = 0.406$$

$$\mu_3(P) = \frac{\frac{1}{1.12^2} + \frac{1}{1.32^2} + \frac{1}{1.41^2}}{\frac{1}{1.12^2} + \frac{1}{1.32^2} + \frac{1}{1.41^2}} = 0.594$$

**Session 4:** Prof. Gajendra K. Vishwakarma, Department of Mathematics & Computing, IIT Dhanbad  
**Topic:** Statistics in Machine Learning

The image shows a Google Meet interface with a presentation slide. The slide is titled "Statistics in Machine Learning" and features the logo of the Indian Institute of Technology (ISM) Dhanbad. Below the logo, the presenter's name is listed as Prof. Gajendra K. Vishwakarma, Ph.D. (Statistics), Department of Mathematics & Computing, Indian Institute of Technology (ISM) Dhanbad, India. Contact information includes an email address (vishwagk@ism.ac.in) and a website URL (https://www.ism.ac.in/facultydetail.php?id=OTG3).

The second slide is titled "Residuals Are Useful!" and contains the following text and formulas:

- They allow us to calculate the error sum of squares (SSE):
 
$$SSE = \sum_{i=1}^n (e_i)^2 = \sum_{i=1}^n (y_i - \hat{y}_i)^2$$
- Which in turn allows us to estimate  $\sigma^2$ :
 
$$\hat{\sigma}^2 = \frac{SSE}{n-2}$$
- As well as an important statistic referred to as the coefficient of determination:
 
$$r^2 = 1 - \frac{SSE}{SST} \quad SST = \sum_{i=1}^n (y_i - \bar{y})^2$$

The Meet interface shows a grid of participants on the right side, including Raghvendra Agrawal, Gajendra Kumar, Srihari Shankar S M, Vijayalakshmi Kathari, Rem, Logeshwaran J Comput..., Shibani Tripathy, Deepa K R, and URITI ARCHANA 228100... The bottom of the screen displays the time as 17:02 and 17:26, along with various control icons for the meeting.

**Session 5:** Prof. Manju Khari, School of Computer and Systems Sciences, Jawaharlal Nehru University, New Delhi  
**Topic:** The Evolution of AI in Medicine

The Evolution of AI in Medicine  
A Historical Perspective on AI's Role

Timeline:

- 1970s: Introduction of MYCIN. MYCIN, an early expert system for diagnosing bacterial infections, marked the beginning of AI in medicine.
- 1980s: Development of Knowledge-Based Systems. The 1980s saw the rise of knowledge-based systems, further enhancing AI's role in clinical decision-making.
- 1990s: Emergence of Machine Learning. Machine learning techniques began to be applied in medical data analysis, improving predictive capabilities in healthcare.
- 2000s: Growth of Electronic Health Records. The widespread adoption of electronic health records provided vast amounts of data for AI algorithms to learn from.

Key Principles of Ethical AI in Healthcare  
Guiding Ethical Decision-Making

- Beneficence**: Promotes well-being and the overall good of patients.
- Non-Maleficence**: Focuses on avoiding harm to patients in AI applications.
- Autonomy**: Respects and honors patient choices and freedoms.
- Justice**: Ensures fairness and equity in all AI applications.

**Session 6:** Dr. Deepak Ranjan Nayak, Malaviya National Institute of Technology Jaipur  
**Topic:** Transfer Learning for Image Classification and Segmentation

The image shows a Google Meet session. The main window displays a presentation slide titled "Transfer Learning for Image Classification and Segmentation" by Dr. Deepak Ranjan Nayak. The slide content is as follows:

**Transfer Learning for Image Classification and Segmentation**

Dr. Deepak Ranjan Nayak  
 Department of Computer Science and Engineering  
 Malaviya National Institute of Technology, Jaipur  
 Email: drnayak.cse@mnit.ac.in

The bottom part of the image shows the same presentation slide with the title "Outline" and a list of topics:

- 1 Evolution of CNNs *Why DL??*
- 2 Limitations of Working with CNNs
- 3 Transfer Learning
- 4 Classification Vs. Segmentation
- 5 Case Studies
  - Multistage Glaucoma Detection using Fundus Images
  - Breast Cancer Classification through Histopathological Images
- 6 Benefits and Challenges of TL

The participant grid on the right side of the screen includes the following names: Roghivendra Agrawal, Deepak Ranjan Nayak, Ram, Vishnupriya A.V, Dr. Shemila. E.S, Savitha R, SRIHARI SHANKAR S M, Ajay Singh Yadav, Dr. Yasir Afaq (outside), and 24 others. The meeting ID is vck-bizw-gzm.

**Session 7:** Ms. Nikitha P, Catchpoint, Bengaluru  
**Topic:** Python's Essential for Machine Learning

09:03 | vck-bizw-ozm

# Python Essentials for ML

09:43 | vck-bizw-gzm

## Core Python Programming Fundamentals

- **Error Handling:** Mechanisms for detecting and responding to runtime errors in a controlled way.
  - try/except/finally blocks: Structure to handle exceptions gracefully and ensure cleanup actions.
  - Custom exceptions: User-defined error types for clearer, more specific error reporting.
- **File I/O:** Operations that involve reading from and writing to files on disk.
  - Reading from and writing to files (text, CSV, JSON): Operations to persist and retrieve data from storage using standard or specialized formats.

**Session 8:** Dr. AbhinavTomar, NetajiSubhas University of Technology, New Delhi  
**Topic:** Reinforcement Learning: Bridging Data and Decision-Making



The image shows a Google Meet interface with two slides. The top slide, titled "Machine Learning Life Cycle", features a circular diagram with the following stages: Business Goal (top), ML Problem Framing (right), Data Processing (bottom right), Model Development (bottom), Deployment (bottom left), and Monitoring (left). Arrows indicate a clockwise flow between these stages. A notification bubble at the bottom of the slide reads: "Are you talking? Your mic is off. Click the mic to turn it on." The bottom slide, titled "Data is the Foundation of Machine Learning", contains the following text:

**Data is the Foundation of Machine Learning**

In traditional programming, we give the computer **rules + data** → **output**.  
 In Machine Learning (ML), we provide **data + output** → **rules (model)**.

Eg: If we want to build a spam filter, the effectiveness depends on how many labeled "spam" vs. "not spam" emails we have.

Below the text is an illustration of a hand holding a tablet displaying a bar chart and a checklist. The Meet interface includes a participant list on the right with names like Sreekanth Jaladanki, URITI ARCHANA, and 23WCS001\_D... and a control bar at the bottom with icons for mute, video, chat, and call.

**Session 10:** Mr. SreekanthJaladanki ,FireflinkPvt Ltd, Bengaluru  
**Topic:** Data Storage in Organizations

**Data Storage in Organizations**

- 1.CRM Systems
- 2.Marketing Tools
- 3.Social Media Platforms
- 4.Web and Mobile Analytics
- 5.Traditional Databases
- 6.IoT Devices
- 7.Additional Sources

**Data Ingestion ETL**

This process is central to integrating data from multiple sources, enabling insightful analytics and robust machine learning models.

**Session 11:** Dr. ParijataMajumdar, Indian Institute of Information Technology, Agartala  
**Topic:** Turing raw data into intelligent insights

The image shows a Google Meet interface with a presentation slide. The slide content is as follows:

## Machine Learning: From Data to Decisions

Turning raw data into intelligent insights

Dr. Parijata Majumdar | Dept. of IT,  
Tripura University | 19-09-25

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- **“Bridges gap between data and decision-making” — how ML enables decisions**
- **Analytics ladder:** ML moves organizations from descriptive (what happened) and diagnostic (why it happened) to **predictive** (what will happen) and **prescriptive** (what to do). Predictions become the *input* to decisions.
- **From prediction to decision:** raw model outputs (class labels, probabilities, scores, forecasts) are translated into actions via business rules, thresholds, optimization logic, or human review. Example: probability of default > 0.8 → require guarantor.
- **Decision types ML supports:**
  - **Automated decisions:** model directly triggers actions (spam filter auto-quarantines email).
  - **Human-in-the-loop:** model suggests options, human verifies (medical diagnosis support).
  - **Prescriptive systems:** combine predictions with optimization (e.g., schedule resources to minimize cost given predicted demand).
- **Key enablers:** timely, trustworthy predictions; uncertainty quantification (confidence intervals, calibrated probabilities); risk-sensitive thresholds; explainability so stakeholders understand why a decision was suggested.
- **Risk management:** ML-based decisions must consider false positives/negatives, cost of errors, fairness, and downstream feedback loops (decisions change future data distribution).

**Session 12:** Dr. Munesh Singh, Department of Computer Science and Engineering, NIT Delhi

**Topic:** Passive Wi-Fi sensing based occupancy detection for smart home energy management system

The image shows a Google Meet interface with a presentation slide and a grid of participants. The presentation slide is titled "Passive Wi-Fi Sensing Based Occupancy Detection For Smart Home Energy Management System" and is presented by Dr. Munesh Singh from National Institute of Technology Delhi. The slide content includes:

**Passive Wi-Fi Sensing Based Occupancy Detection For Smart Home Energy Management System**

Dr. Munesh Singh  
National Institute of Technology Delhi  
Zone P1, National Institute of Technology, Plot No. FA7, GT Karnal Rd, Garhi Khurad, Bakoli, Delhi, 110036  
Sep 20, 2025

The participant grid on the right side of the screen shows several participants, including Munesh Singh, Raghendra Agrawal, Ritesh Patel, mahalakshmi p, Kalpesh Patel, Chingmuan Kim Naulak, Ram, Zahir Hanouf, and others. A notification at the bottom of the grid states: "Umamaheswari K CSE (outside gietu.com) has joined" and "Venkat Chandru (outside gietu.com) has joined".

The bottom part of the image shows a second slide titled "Other Opportunistic Occupancy Sensing Approaches" with the following bullet points:

- Smart phone inertial measurement units
- Electricity consumption data from smart meters
- Fusion of environmental sensors

Below the text are several line graphs showing power consumption over time for various devices and overall power usage. The caption for these graphs is "Figure: Alternate Sensing Approaches".

**Session 13:** Dr. Anurag Singh, Department of Computer Science and Engineering, NIT Delhi  
**Topic:** Introduction to Federated Learning and Generative AI: Foundations and Future Directions

**Introduction to Federated Learning and Generative AI: Foundations and Future Directions**

Anurag Singh  
NIT Delhi

15:10 | vck-blzw-gzm

Artificial Intelligence

- 1956 Artificial Intelligence**  
the field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence
- 1997 Machine Learning**  
subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions
- 2017 Deep Learning**  
a machine learning technique in which layers of neural networks are used to process data and make decisions
- 2021 Generative AI**  
Create new written, visual, and auditory content given prompts or existing data.

15:11 | vck-blzw-gzm

**Session 14:** Mr. Sreekanth Jaladanki , Fireflink Pvt Ltd, Bengaluru  
**Topic:** Machine Learning and Devops

**1. Data Quality vs. Quantity**

- **Quantity:**
  - More data generally helps models learn better patterns and improves performance.
- **Quality:**
  - However, **high-quality, correctly labeled data** is far more important than just raw volume.
  - A smaller but clean and representative dataset can outperform a huge noisy dataset.
- **Decision Point:** Always balance both — aim for large datasets, but ensure they are **clean, relevant, and accurately labeled**

**Amazon SageMaker AI**

MACHINE LEARNING

## Amazon SageMaker AI

Build, train, and deploy machine learning models at scale

The quickest and easiest way to get ML models from idea to production.

**New to SageMaker AI?**

Quick setup for a single user  
This is perfect for first-time users to try capabilities in just a few clicks.

[Set up for single user](#)

Advanced setup for organizations  
Customize capabilities, permissions, network, and more for your team to launch Studio.

[Set up for organizations](#)

**Documentation**

Getting started  
Tutorials  
Documentation  
Developer Resources  
AWS Developer Forum

What's new

New feature: HyperPod

saba fallima can now join this meeting

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**Session 15:** Dr. Sukomal Dey, Electrical Engineering, Indian Institute of Technology Palakkad

**Topic:** Machine Learning Driven Brain Scanning using Microwave imaging

**Machine Learning Driven Brain Scanning using Microwave imaging - An attempt towards Next Generation Imaging System**

by  
**Dr. Sukomal Dey**  
 Senior Member IEEE, Fellow IETE  
 Associate Professor,  
 Department of Electrical Engineering  
 Indian Institute of Technology Palakkad  
 FDP  
 On  
*Machine Learning from Data to Decisions*  
**GIET, Gunupur, Odisha**  
 Date: 20-09-2025

**An application scenario of RF sensing in IoT systems:**

**Generative AI techniques**

- Generative Adversarial Networks (GANs)
- Variational Autoencoders (VAEs)
- Generative Diffusion Models
- Transformer-based LLMs

**Generative AI-empowered RF sensing**

- Data generation and pre-processing
- Cross-modal sensing
- Multi-modal fusion

**Challenges**

- Incomplete and limited RF data observations
  - High costs for data collection.
  - Resource consumption of IoT devices.
  - Signal attenuation during transmission.
- Missing modality in Multi-modal RF sensing
  - One or more modality be missing or incomplete.
  - Pre-trained models not robust for different missing modality.
- Fusion of different modalities
  - Difficult to adapt models trained on one modality to another.
  - Interaction between sensors of different modalities is important.

**Session 16:** Dr. Abhishek Gupta, Senior Scientist, CSIR-Central Scientific Instruments Organisation, Chandigarah


**Topic:** Three Dimensional Anatomical surface prediction from X-ray images for computer aided diagnostic

Abhishek Gupta (Presenting, annotating)

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### Faculty Development Program (FDP) on Machine Learning from Data to Decisions

Three-dimensional anatomical surface prediction from X-ray images for computer-aided diagnostics

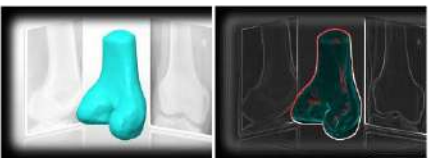




**Dr. Abhishek Gupta**  
Senior Scientist, Biomedical Applications Division  
Central Scientific Instruments Organisation [www.csio.res.in]  
A constituent of Council of Scientific and Industrial Research (CSIR) [www.csir.res.in]  
Ministry of Science & Technology, Government of India  
Sec-30 C, Chandigarh-160030  
Email: abhishekgupta@csio.res.in

09:29 | vck-blzw-gzm

Abhishek Gupta (Presenting, annotating)

### 2D-to-3D: From two X-rays images to 3D surface image

Ref: <https://www.ijitae.in/en/research-highlights/x-ray-to-3d>  
Ref: T. Ilés and S. Somoskőzy, "Principles of the EKIS™ X-ray machine and its use in daily orthopedic practice," Orvosi Hetilap, vol. 153, pp. 289-295, 01 Feb. 2012 2012.  
21-09-2025 Dr. Abhishek Gupta, abhishekgupta@csio.res.in

09:31 | vck-blzw-gzm

**Session 17:** Ms. Nikitha P, Catchpoint, Bengaluru  
**Topic:** Machine Learning with real time case studies

**Introduction to Machine Learning**

- Definition: Teaching machines to learn from data without explicit programming.
- Why ML? Automation, predictions, personalization, optimization.
- Importance in today's digital world.
- Examples

**Case Studies & Applications**

- Healthcare → early disease detection.
- Education → adaptive learning systems.
- Finance → fraud detection, stock predictions.
- Retail → personalized shopping recommendations.
- Transportation → autonomous vehicles.
- Message: ML is shaping all industries.

**Session 18:** Ms. Nikitha P, Catchpoint, Bengaluru  
**Topic:** Data Collection and Preparation

The image shows a Google Meet interface with a presentation. The top slide is titled "Data Collection and Preparation" in a large, bold, orange font. The bottom slide is titled "Data Collection and Preparation on a High Level" and features a diagram of a "Grocery Delivery App" with two numbered points:

- 01 | Personalized Homepage for each user
- 02 | Value-based offers for each customer

The meeting interface includes a top bar with the presenter's name "Nikitha P (Presenting, annotating)", a bottom bar with meeting controls (mute, video, chat, etc.), and a grid of participant avatars on the right side. A watermark "meet.google.com - To exit full screen, press Esc" is visible in the center.

**Session 19:** Mr. Sreekanth Jaladanki , Fireflink Pvt Ltd, Bengaluru  
**Topic:** Case study explanations-Machine Learning: from data to decisions

The image shows a Google Meet interface with two slides. The top slide is titled "Case Study Explanations - Machine Learning: From Data to Decisions". The bottom slide is titled "Case Study 1: Fraud Detection in Banking" and contains the following text:

**Problem:**

- Banks face millions of credit card transactions daily.
- Fraud cases are **very rare** (0.5-1%).
- Training a model on this data → it predicts "not fraud" 99% of the time → looks accurate, but useless.

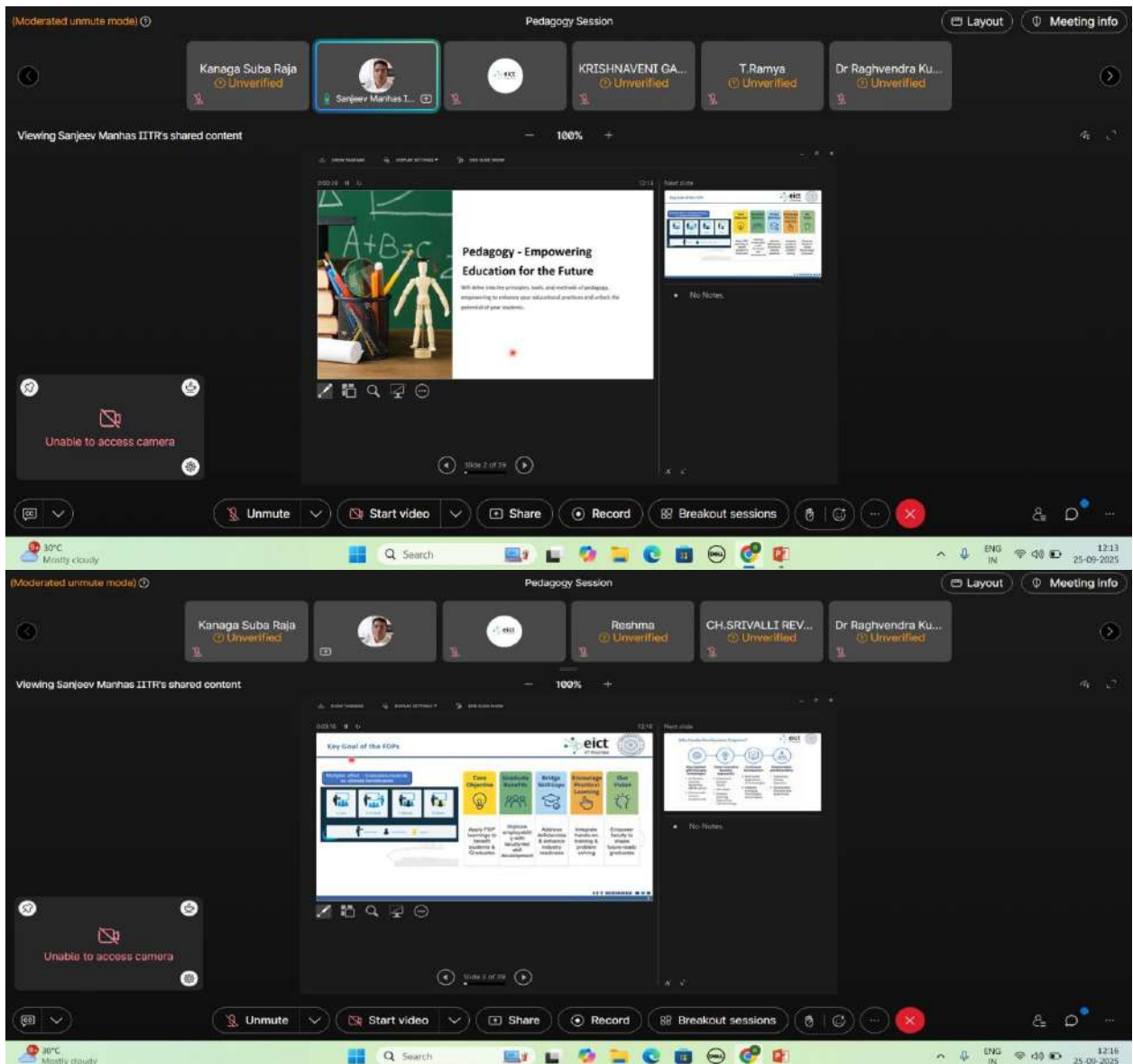
**Data Decisions:**

1. Balanced vs. Imbalanced Data
  - Dataset: 100,000 transactions (99,500 normal, 500 fraud).
  - If untreated → biased model.

**FRAUD DETECTION**

The bottom slide also features a logo for "FRAUD DETECTION" which consists of a magnifying glass over a stylized figure with a mask.

**Session 20:** Dr. Sanjeev Manhas, Department of Electronics and Communication, Indian Institute of Technology Roorkee  
**Topic:** Role of Pedagogy in teaching and Learning



### Registered Participants

S/No.	Applicant Name	Organization/Institute/College Name	City	Designation
1	LOGESHWARAN J	Christ University	Bengaluru	Faculty
2	RESHMA DSOUZA	Global Academy of Technology	Bangalore	Faculty
3	Miss. RoshaniParate	SAGE University Bhopal	Bhopal	Research Scholar(Ph.D.)
4	Dr Deepa Mary Mathews	FISAT	Ernakulam	Faculty
5	BhabaniSankarPanigrahy,C.Eng(India),PEng(India),FIE	GIET University,Gunupur,	Gunupur	Research Scholar(Ph.D.)
6	Dr ANANDHI MEENA B	ANNA UNIVERSITY REGIONAL CAMPUS MADURAI	MADURAI	Faculty
7	ParulBhanarkar	Symbiosis skills and professional university	Pune	Faculty
8	Prof .ShitalR.Gadekar	Nagpur Institute of Technology	Nagpur	Faculty
9	KalpeshNarendrakumar Patel	Shri D N Institute of Business Administration	Anand	Faculty
10	S VENKATA ANAND	VIGNAN'S INSTITUTE OF INFORMATION TECHNOLOGY (AUTONOMOUS),	VISAKHAPATBAN	Faculty

		VISAKHAPATNAM		
11	Ch.KodandaRamu	Miracle Educational Society Group of Institutions	Bhogapuram	Faculty
12	V.SATHYA	ST.JOSEPH'S COLLEGE OF ENGINEERING	CHENNAI	Faculty
13	ShibaniTripathy	GIET University	Gunupur	Faculty
14	SITANSHU KAR	GIET UNIVERSITY, GUNUPUR	GUNUPUR	Faculty
15	Riteshbhai Patel	Shri D. N. Institute of Business Administration	Anand	Faculty
16	Bhagya Shree Tiwari	University of Lucknow	Lucknow	Research Scholar(Ph.D.)
17	Dr. M RAVI	Govt.First Grade College Raichur	Raichur	Faculty
18	N V S K VIJAYALAKSHMI K	Sir C R REDDY COLLEGE OF ENGINEERING,Eluru	Eluru	Faculty
19	TUTA SATYA NAGAMANI	SIR C R REDDY COLLEGE OF ENGINEERING	Eluru	Faculty
20	KRISHNAVENI GARLAPATI	SIR C R REDDY COLLEGE OF ENGINEERING	Eluru	Faculty
21	LALITHA BHAVANI BIKKINA	SIR C R REDDY COLLEGE OF ENGINEERING	ELURU	Faculty
22	N.SRAVANI	CR REDDY COLLEGE OF ENGINEERING	Eluru	Faculty
23	s.susmitha	GIET ORISSA	HYDERABAD	Research Scholar(Ph.D.)
24	DASARADHA ARANGI	ADITYA INSTITUTE OF TECHNOLOGY AND MANGEMENT	SRIKAKULAM	Research Scholar(Ph.D.)
25	YASHASWINI K	GLOBAL ACADEMY OF TECHNOLOGY	BANGALORE	Faculty
26	Dr. SANKARA RAO PALLA	Raghu Engineering College (A)	Visakhapatnam	Faculty
27	BhaskarMekala	KoneruLakshmaiah Education Foundation	Hyderabad	Faculty
28	ShalluDuggal	Lovely Professional University, Phagwara	Jalandhar	Faculty
29	Hari Krishna Marrapu	GMR institute of technology	Rajam	Faculty
30	Dr BasavarajHatti	Department of Applied Geology, VSK University	SANDUR	Faculty
31	Dr. SANJEEV KUMAR	ESIC MEDICAL COLLEGE AND HOSPITAL, BIHTA, PATNA	PATNA	Faculty
32	UmaimaQaderMohiuddin	Stanley college of engineering and technology for women's	Hyderabad	Faculty
33	Kalyani.Priyanka	Stanley College Of Engineering and Technology For Women	Hyderabad	Faculty
34	GorakTanusha	Stanley College of Engineering and Technology for Women	Hyderabad	Faculty
35	P R ANISHA	STANLEY COLLEGE OF ENGINEERING AND TECHNOLOGY FOR WOMEN	Hyderabad	Faculty
36	Saba Fatima	Stanley College of Engineering and Technology for Women	Hyderabad	Faculty
37	Padmashree R	VIT university	Chennai	Research Scholar(Ph.D.)
38	HAJIRA FAROOQUI	Stanley college of engineering and technology for women's	HYDERABAD	Faculty
39	SaranyaPriyadharshini R	Kamaraj College Of Engineering & Technology	Madurai	Faculty

40	JADALA.GANGADHAR	KONERU LAKSHMAIAH EDUCATION FOUNDATION	HYDERABAD	Research Scholar(Ph.D.)
41	P.MAHALAKSHMI	Kamaraj College of Engineering and Technology	Madurai	Faculty
42	P Sabitha	GIETU	Hyderabad	Research Scholar(Ph.D.)
43	SAVITHA R	JANSONS INSTITUTE OF TECHNOLOGY	COIMBATORE	Faculty
44	SRIHARI SHANKAR S M	JANSONS INSTITUTE OF TECHNOLOGY	COIMBATORE	Faculty
45	DEEPA K R	Dhirajlal Gandhi College of Technology	Salem	Faculty
46	KRISHNA PRIYA M S	Jansons Institute of Technology (Autonomous)	Coimbatore	Faculty
47	Dr.Dhirendra Kumar Jena	Balasore College of Engineering & Technology	Balasore	Faculty
48	Dr Rohit Bansal	Lovely Professional University	Phagwara	Faculty
49	Dr.YasirAfaq	SR University	Warangal	Faculty
50	Dr.Mehrajud Din Rather	SR University	Warangal	Faculty
51	Dr.Leelavathi K S	NallamuthuGounderMahalingam College	Pollachi	Faculty
52	BantupalliRenukaSai	GIET UNIVERSITY,GUNPUR,ORISSA	Visakhapatnam	Research Scholar(Ph.D.)
53	UrttiBhagyalatha	GIET UNIVERSITY	Rayagada	Research Scholar(Ph.D.)
54	Dr. Ajay Singh Yadav	SRM Institute of Science and Technology Delhi-NCR Campus Ghaziabad UP	Ghaziabad	Faculty
55	Chingmuankim	Bharati College, University of Delhi	New Delhi	Faculty
56	Indranivasireddy	NNRG educational society group of institutions	Hyderabad	Faculty
57	Dr.RaguramanKannan	University of Bahrain	Isa Town	Faculty
58	Dr.ZahirHanouf	UOB. Mechanical Engineering	ISA town	Faculty
59	URITI ARCHANA	GITAM Deemed to be University	Visakhapatnam	Research Scholar(Ph.D.)
60	Rani Sailaja. V	NallaNarasimha Reddy Group of Institutions	Hyderabad	Faculty
61	CH.SRI VALLI REVATHI	NALLA NARASIMHA REDDY GROUP OF INSTITUTIONS	Hyderabad	Faculty
62	ShezanGhamat	MIT Art, Design & Technology University, Pune	Pune	Student
63	Mr. KARTHIKEYAN M P	JAIN (Deemed-to-be University), Bengaluru	Bengaluru	Faculty
64	A V Vishnupriya	Jansons Institute of Technology	Coimbatore	Faculty
65	Padmavathy.S	Jansons Institute of Technology	coimbatore	Faculty
66	Rajesh kumar S	Cambridge Institute of Technology	Bangalore	Faculty
67	Lokesh	Cambridge Institute of Technology	Bengaluru	Faculty
68	Dr. R. KARTHIKEYAN	Sri Sankara Arts and Science College Kanchipuram	Kanchipuram	Faculty
69	BokinalaLokesh	NALLA NARASIMHA REDDY EDUCATION SOCIETY'S GROUP OF INSTITUTIONS	Hyderabad	Faculty
70	Maragatham N	Jansons Institute of Technology	COIMBATORE	Faculty

71	Dr. Josephine Prem Kumar	Cambridge Institute of Technology, Bangalore	Bangalore	Faculty
72	ChandrasekaranVenkatesan	Vels University School of Marine Studies	Chennai	Faculty
73	IndumathiKoppisetty	Cambridge Institute of technology	Bangalore	Faculty
74	Dr.BhairabSarma	University of Science and Technology Meghalaya	Guwahati	Faculty
75	Dr Kanak Chandra Bora	University of science and technology Meghalaya	Nongpu	Faculty
76	ManisaRath	GIET University, Gunupur	Bhubaneswar	Research Scholar(Ph.D.)
77	R.Nisha	Jansons Institute of technology	Coimbatore	Faculty



## Electronics & ICT Academy IIT Roorkee

An Initiative of  
Ministry of Electronics  
& Information  
Technology (MeitY)  
Government of India

### A Faculty Development Program on

#### Machine Learning from Data to Decisions

In association with

**GIET University, Gunupur, Odisha**

**July 21<sup>st</sup> – July 25<sup>th</sup>, 2025**

Register Before: July 19, 2025



**Venue: Hybrid Mode at: GIET University,  
Gunupur, Odisha**

#### Objectives of the Course

- Introduce core concepts of Machine Learning: supervised, unsupervised, and reinforcement learning.
- Provide practical skills in data cleaning, preprocessing, and feature engineering.
- Guide participants through the full ML pipeline: data to decision-making.
- Enable hands-on training with Python tools (Scikit-learn, Pandas, TensorFlow).
- Develop skills in model evaluation and optimization.
- Encourage curriculum integration of ML concepts.
- Promote real-world application of ML techniques in academia and industry.



#### Why this course ?

This FDP equips faculty with the foundations and practical tools to apply ML for data-driven decision-making. As industries shift toward AI and automation, understanding the full ML pipeline—from data collection to model deployment—is essential. With applications spanning healthcare, finance, education, and engineering, participants will gain hands-on skills using Python and popular ML libraries. The course also supports the inclusion of ML in academic curricula, fostering innovation and preparing future-ready students for emerging technology demands.

#### Prerequisites

No experience is required, but fundamental knowledge of any programming language would be helpful.

#### Experts from Academia/Industry

##### Who Should Register?

Any Interested Faculty/PhD-Scholars  
UG/PG/ & Industry Persons can register

##### Registration Fee

Fees: ₹ 250/- Faculty/Research Scholar/ Students  
₹ 500/- Industry/Others

Note: Refund will be done in case of course  
cancellation only, with in 20 working days

FDP Kits & Refreshment will be provided

##### How to make Payment

Please make the payment first using the below link  
upload the payment receipt when filling out the  
Google registration form

<https://eict.iitr.ac.in/instruction-for-payment/>

Course Code: EICTIITR-FDP-5H6-17

##### Registration Link

<https://forms.gle/Nzdi18tjuNcFNMqXA>



Scan QR for  
registration

Register before:  
July 19, 2025

Click on icon to follow us on:



#### Course Outcomes

- Understand key ML principles and workflows
- Build and evaluate ML models using Python
- Apply EDA and visualization for insights
- Implement classification and clustering techniques
- Optimize models through hyperparameter tuning
- Design and deploy deep learning models
- Integrate ML into teaching and research practices

#### Focus Areas

- ML types and learning paradigms
- Data preprocessing and feature engineering
- Supervised and unsupervised learning models
- Model evaluation metrics (accuracy, F1-score, ROC)
- Dimensionality reduction and clustering
- Deep learning basics and TensorFlow/Keras
- AutoML and ML Ops overview

#### Course Features

- 40 Hours of Lectures, hands-on, and Pedagogy/Industry sessions.
- Lectures from Expert Speakers, Hands-on from Industry/Academia experts.
- Access to learning material and video lectures
- Certificate by E&ICT Academy IIT Roorkee

#### Who may benefit

- Academic Faculty and Students(UG/PG)
- Government Officials.
- Working Professionals in the Industry and Startups.
- Research Scientists and Technical Staff.

This certificate can be considered in alignment with other Quality Improvement Programs (QIP) as well as NBA and NAAC for recognition/credit.

#### Principal Investigator

- Prof. Sanjeev Manhas ECE  
Department, IIT Roorkee

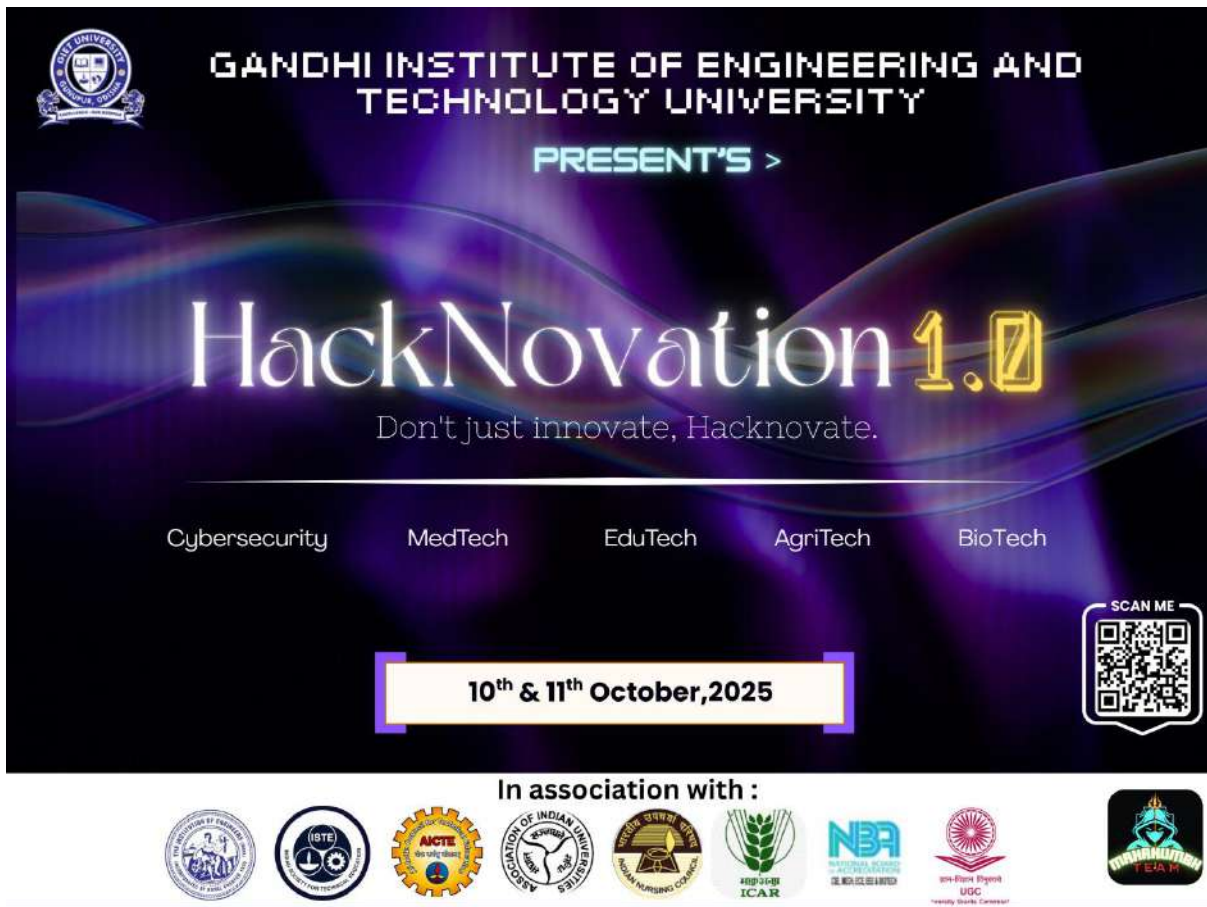
#### Course Coordinators

- Prof. Sanjeev Manhas, IIT Roorkee
- Dr. Raghvendra Kumar, CSE,  
Department, GIET University,  
Odisha

#### Reach Us:

- ☎ M.No.: 8112766397
- ☎ Landline No.: +91-1332286457
- ✉ Email: eict@iitr.ac.in

AI Hacknovation 1.0 during 10<sup>th</sup> and 11<sup>th</sup> October 2025



The poster features a dark background with purple and blue wavy patterns. At the top left is the logo of Gandhi Institute of Engineering and Technology University. The main title 'HackNovation 1.0' is in a large, glowing font, with '1.0' in a yellow digital style. Below it is the tagline 'Don't just innovate, Hacknovate.' A horizontal line separates the title from the categories: Cybersecurity, MedTech, EduTech, AgriTech, and BioTech. A central yellow box with a purple border contains the dates '10<sup>th</sup> & 11<sup>th</sup> October, 2025'. To the right is a QR code with 'SCAN ME' above it. At the bottom, the text 'In association with :' is followed by a row of logos for various organizations: All India Council for Technical Education (AICTE), Association of Indian Universities (AIU), All India Council for Technical Education (AICTE), All India Council for Technical Education (AICTE), All India Council for Technical Education (AICTE), National Board of Accreditation (NBA), All India Council for Technical Education (AICTE), and the event's organizing team logo.

**GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY**

**PRESENT'S >**

# HackNovation 1.0

Don't just innovate, Hacknovate.

Cybersecurity    MedTech    EduTech    AgriTech    BioTech

**10<sup>th</sup> & 11<sup>th</sup> October, 2025**

SCAN ME

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