NARSIMHA REDDY
ENGINEERING COLLEGE
An Autonomous Institution| Affiliated to JNTUH | Approved by AICTE
Accredited by NBA & NAAC with 'A' Grade

REPORT

On

One Week Online Faculty Development Programme

On

"Next Generation Computing Technologies"

From

02nd to 07th February 2026

Organized By

Department of CSE (CYBER SECURITY), Narsimha Reddy Engineering College (Autonomous), Hyderabad, in association with Computer Society of India, Hyderabad Chapter

Maisammaguda (V), Dhulapally (P)
Near Kompally, Medchal (M), Secunderabad – 500 100.
principal@nrcmec.org
9949092454 www.nrcmec.org

PERMISSION LETTER

Hyderabad,
20-01-2026

From

Dr. P. Srilakshmi
Professor & Convener
CSE(Cyber Security) Department
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana State, India- 500100.
Ph.No: 9849596232

To

The Principal
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana State, India- 500100.

Respected Sir,

Sub: Request for Permission to Conduct Online One-Week Faculty Development Programme-Reg.

Department of Computer Science and Engineering is pleased to organize a One Week Online National Level Faculty Development Program (FDP) on "Next Generation Computing Technologies" from 02nd to 07th February 2026.

We respectfully request your permission to conduct this event on the aforementioned dates. Your approval would be a significant milestone in ensuring the success of this programme.

Yours faithfully,

(Dr. P. Srilakshmi)
Professor & Convener
Head Of The Department
CSE (CYBER SECURITY)
NARSIMAHA REDDY ENGINEERING COLLEGE
Sy.No.518, Maisammaguda (V), Dhulapally (P),
Medchal (M&Dist.), Hyderabad-500100-TG.

Encl:
1) Rough Budget Proposal

PERMISSION LETTER

Hyderabad,
20-01-2026

From

Dr. P. Srilakshmi
Professor & Convener
CSE(Cyber Security) Department
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana State, India- 500100.
Ph.No: 9849596232

To

The Principal
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana State, India- 500100.

Respected Sir,

Sub: Request for Permission to Provide Google Meet Links & ICT Facilities.

Department of Computer Science and Engineering is pleased to organize a One-Week Online Faculty Development Program (FDP) on "Next Generation Computing Technologies" from 02nd to 07th February 2026.

In this regard, we kindly request your permission to provide **MS Teams, Google Meet Links and ICT facilities** to successfully conduct the event on the aforementioned dates. Your approval and support will be greatly appreciated in ensuring the smooth execution of the programme.

Yours faithfully,

(Dr. P. Srilakshmi)
Professor & Convener

Head Of The Department
CSE (CYBER SECURITY)
NARSIMAHA REDDY ENGINEERING COLLEGE
Sy.No.518, Maisammaguda (V), Dhulapally (P),
Medchal (M&Dist.), Hyderabad-500100-TG.

Estimated Expenditure of Online FDP

The following is the estimated expenditure for organizing the **One Week Online National Level Faculty Development Program (FDP) on "Next Generation Computing Technologies"** organized by the **Department of Cyber Security from 02nd to 07th February.**

S. No	Particulars	Estimated Amount (INR)
1	Honorarium for Computer Operator	**Rs.2000/-**
2	Honorarium for experts(Rs.10000/- 5 Sessions)	**Rs.50,000/-**
3	Miscellaneous	**Rs.8,000/-**
	Total	**Rs. 60, 000/-**

Dr. P. Sri Lakshmi

Professor & HOD – CSE (Cyber Security) & Coordinator

Head Of The Department
CSE (CYBER SECURITY)
NARSIMAHA REDDY ENGINEERING COLLEGE
Sy.No.518, Maisammaguda (V), Dhulapally (P),
Medchal (M&Dist.), Hyderabad-500100-TG.

NARSIMHA REDDY ENGINEERING COLLEGE

An Autonomous Institution| Affiliated to JNTUH | App

Date: 28-01-2026

APPROVAL LETTER

To,
Dr. P. SriLakshmi
Professor & HOD – CSE (Cyber Security)
Narsimha Reddy Engineering College (Autonomous)
Secunderabad, Telangana State, India- 500100.

Sir

Subject: Approval for **One Week FDP on "Next Generation Computing Technologies"- Reg.**

As discussed with the Director, we are pleased to inform you that your proposal to conduct **One Week FDP on "Next Generation Computing Technologies"** has been **approved**.

You are hereby authorized to organize the FDP as scheduled from **02.02.2026 to 07.02.2026**. We wish you and your team all the very best for the successful conduct of the event.

PRINCIPAL

PRINCIPAL
NARASIMHA REDDY ENGINEERING COLLE
Survey No: 518, Maisammaguda (V), Dulapally
Medchal (M), Medchal Dist, Hyderabad-501

Copy To:
(1) Director – for information.
(2) Finance Committee

Cc to: The Chairman - for kind information.

DATE: 31-01-2026

Circular

Dear Fcaulty,

We are pleased to inform you that the **Department of CS** is organizing a One Week National Level Online FDP on **"Next Generation Computing Technologies"**, as per the details given below:

Dates: 02nd February to 07th February 2026

Time: 06:00 PM to 08:00 PM

Venue: Google-Meet

Resource Persons:

DATE	TIME	RESOURCE PERSONS	TOPICS TO BE COVERED
02-02-2026 (Monday)	**06:00PM - 08:00PM**	Dr Debasis Samantha Professor, CSE, IIT ,Kharagpur	Large Language Model: Next Generation Computational Intelligence
03-02-2026 (Tuesday)	**07:00PM - 08:30PM**	Dr Sudarshan Chakravarthy A, Assistant Professor, CSE, NIT, Calicut	Next Generation Networks
04-02-2026 (Wednesday)	**07:00PM - 08:30PM**	Dr.G.N.Vivekananda, Associate Professor, SCORE, Vellore Institute of Technology, Vellore	Introduction to Quantum Computing
05-02-2026 (Thursday)	**06:00PM - 08:00PM**	Dr.Veingston K, Assistant Professor, CSE, NIT Srinagar	Model Optimization and Acceleration for Edge AI

06-02-2026 **(Friday)**	**06:00PM - 08:00PM**	Prof.P.Radha Krishna, Professor, CSE, NIT Warangal	Deep Learning with Algorithms
07-02-2026 **(Saturday)**	**06:00PM - 08:00PM**	Dr.Kalyan Sarvepalli, MC Member, CSI Hyderabad Chapter, Infosys Limited, Principal Consultant, Cloud, Data Enthusiast, Data Analytics, Hyderabad	Enterprise Agentic AI Architecture, Autonomy and Trust in Next Generation Computing

The online FDP will be used as an effective platform for capacity building and continuous professional development, supporting quality education, innovation, and sustainable advancement in computing technologies.

PRINCIPAL

PRINCIPAL
NARASIMHA REDDY ENGINEERING COLLEGE
Survey No: 518, Maisammaguda (V), Dulapally (P),
Medchal (M), Medchal Dist, Hyderabad-500100

Copy To:

(1) Director – for information.
(2) Vice Principal
(3) All HODs' To Circular among the Staff and students.
(4) CoE.
(5) GM, HR & Dean's.
(6) Canteen & Hostel
(7) Transportations

Cc to: The Chairman - for kind information.

The Department of Computer Science and Engineering (Cyber Security), Narasimha Reddy Engineering College (Autonomous), Hyderabad, in association with the Computer Society of India (CSI), Hyderabad Chapter, organized a One Week Online Faculty Development Programme on "Next generation Computing Technologies" from 02nd to 07th February 2026. The FDP received an overwhelming response of over 242 participants from 52 various AICTE-approved institutes and colleges affiliated with different universities across the country.

The programme focused on contemporary advancements in Next Generation Computing Technologies, covering key areas such as Large Language Models, Agentic AI as the next evolution beyond Generative AI, Quantum Computing, Next Generation Networking, Model Optimization and Acceleration for Edge AI, Deep Learning with Algorithms. The FDP provided participants with valuable insights into both theoretical foundations and practical applications of Computing Technologies, enabling them to enhance their teaching, research capabilities, and industry-oriented understanding of emerging Next Generation Computing Technologies.

Objectives of the FDP:

The primary objectives of the One Week Online Faculty Development Programme on *"Next Generation Computing Technologies"* were as follows:

1. To familiarize participants with contemporary advancements in Next Generation Computing Technologies, including Large Language Models and Agentic AI.
2. To provide foundational and advanced insights into Quantum Computing and its emerging applications.
3. To enhance understanding of Next Generation Networking paradigms and their role in future computing systems.
4. To impart knowledge on Deep Learning algorithms and model optimization and acceleration techniques for Edge AI.
5. To strengthen research aptitude and industry-oriented perspectives in emerging computing technologies.
6. To enable participants to effectively integrate advanced computing technologies into teaching, learning, and curriculum development.

Topics Covered:

The FDP covered the following advanced and contemporary topics in a structured and comprehensive manner:

- Large Language Model: Next Generation Computational Intelligence

- Next Generations Networks
- Model Optimization and Acceleration for Edge AI
- Introduction to Quantum Computing
- Deep Learning with Algorithms
- Enterprise Agentic AI Architecture, Autonomy and Trust in Next Generation Computing

Outcomes of the FDP:

Upon completion of the Faculty Development Programme, the participants were able to:

1. **Demonstrate conceptual understanding** of Large Language Models as next generation computational intelligence systems and their role in advanced computing applications.
2. **Analyse next generation networking technologies and architectures**, and evaluate their significance in enabling scalable, secure, and high-performance computing environments.
3. **Apply model optimization and acceleration techniques** to improve the efficiency, latency, and scalability of Edge Artificial Intelligence deployments.
4. **Understand the fundamental principles of quantum computing**, including emerging computing paradigms and their potential impact on future computing systems.
5. **Implement and assess deep learning algorithms** for solving real-world problems using contemporary computational frameworks.
6. **Comprehend enterprise-level Agentic AI architectures**, with emphasis on autonomy, trust, and responsible deployment in next generation computing systems.

List of Resource Persons with Topic&Programme Schedule:

DATE	TIME	RESOURCE PERSONS	TOPICS TO BE COVERED
02-02-2026 (Monday)	**5:45PM to 6:00PM**	**Inaugural Function** Welcome Note by Prof M Sowmya & Dr P.Srilakshmi	**Inaugural Function**
02-02-2026 (Monday)	**06:00PM - 08:00PM**	Dr Debasis Samantha Professor, CSE, IIT ,Kharagpur	Large Language Model: Next Generation Computational Intelligence
03-02-2026 (Tuesday)	**07:00PM - 08:30PM**	Dr Sudarshan Chakravarthy A, Assistant Professor, CSE, NIT, Calicut	Next Generation Networks
04-02-2026 (Wednesday)	**07:00PM - 08:30PM**	Dr.G.N.Vivekananda, Associate Professor, SCORE, Vellore Institute of Technology, Vellore	Introduction to Quantum Computing

05-02-2026 (Thursday)	**06:00PM - 08:00PM**	Dr.Veingston K, Assistant Professor, CSE, NIT Srinagar	Model Optimization and Acceleration for Edge AI
06-02-2026 (Friday)	**06:00PM - 08:00PM**	Prof.P.Radha Krishna, Professor, CSE, NIT Warangal	Deep Learning with Algorithms
07-02-2026 (Saturday)	**06:00PM - 08:00PM**	Dr.Kalyan Sarvepalli, MC Member, CSI Hyderabad Chapter, Infosys Limited, Principal Consultant, Cloud, Data Enthusiast, Data Analytics, Hyderabad	Enterprise Agentic AI Architecture, Autonomy and Trust in Next Generation Computing
07-02-2026 (Saturday)	**08:00PM - 08:15PM**	Dr P.Srilakshmi, HoD-CS & Mrs. Balagiri Chaitanya, Assistant Professor, CS	Valedictory Function & Assessment Test

Total Participants List:242

State-wise Participants List: Summary

S.No	State	Count
1	**Telangana**	174
2	**Andhra Pradesh**	58
3	**Karnataka**	04
4	**Maharashtra**	03
5	**Tripura**	01
	TOTAL	**242**

Inauguration Address:

Day -1, 06-01-2026(Tuesday), Time : 5:45PM to 6:00PM
Title: Inaugural Ceremony

The inauguration of the **One Week Online Faculty Development Programme (FDP) on "Next Generation Computing Technologies"** was held online on **02nd February 2026 at 5:45 PM**. The programme was organized by the **Department of CSE(Cyber Security), Narasimha Reddy Engineering College (Autonomous), Hyderabad**, in association with the **Computer Society of India (CSI), Hyderabad Chapter**.

The inaugural function was graced by **Sri. J. Thrishul Reddy, Secretary, NRCM**, as the **Chief Guest**. The **Guest of Honour** for the occasion were **Dr. A. Mohan Babu, Director, NRCM**,

and **Dr. R. Lokanadham, Principal, NRCM**. The programme was chaired by **Dr. P. Srilakshmi, Professor & Head, Department of CSE(CS)**, Convener of the FDP. Faculty members, coordinators, Heads of various departments, and a large number of participants from different institutions across the country attended the programme online.

The inaugural session commenced with a **prayer song by Geethika, III Year CSE (CS)**, followed by a **one-minute video showcasing NRCM College**, highlighting the institution's academic excellence and infrastructure.

The **welcome note** was delivered by **Dr. M Sowmya, Professor & HoD, IT**, who warmly welcomed the dignitaries, resource persons, and participants. She emphasized the importance of faculty development programmes in keeping pace with the rapidly evolving technologies in Artificial Intelligence and data-driven systems.

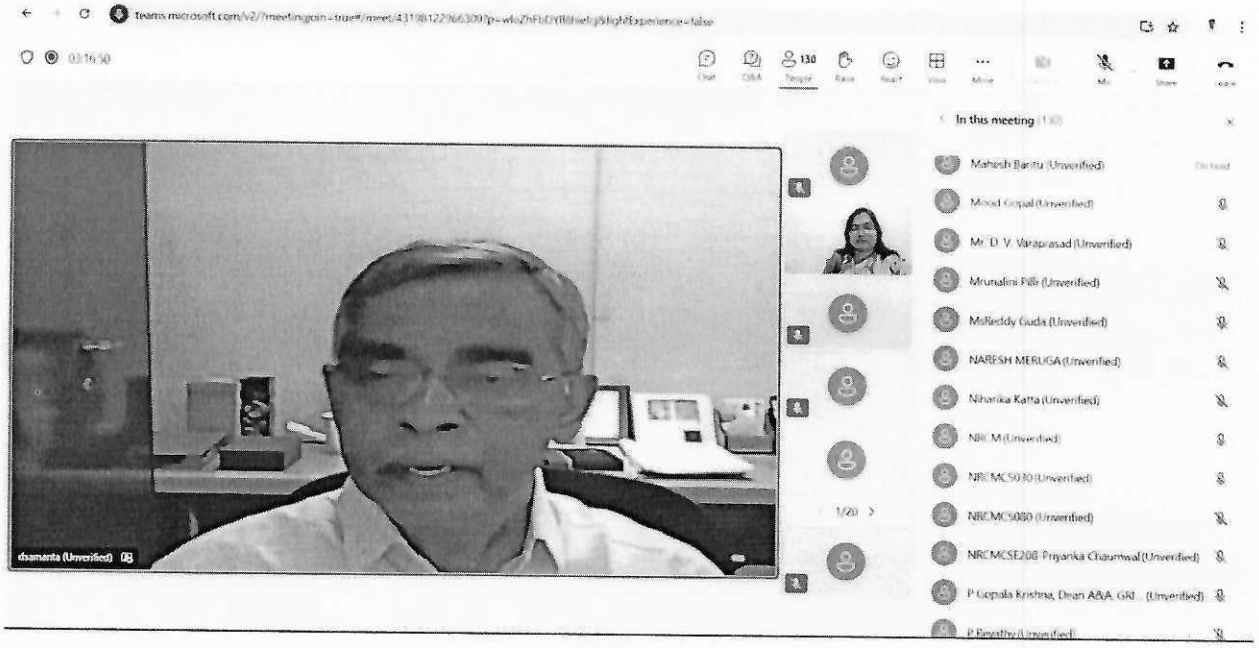
The **inaugural address** was delivered by **Dr. P. Srilakshmi, Convener**, who presented a brief overview of the FDP. He highlighted that the programme received an overwhelming response from faculty members across the country, reflecting the growing interest in Next Generation Computing Technologies. She expressed her gratitude to the management, Director, and Principal for their constant support and encouragement in organizing such national-level academic programmes.

Dr. R. Lokanadham, Principal, NRCM, addressed the participants and appreciated the efforts of the organizing team. He emphasized the significance of Computing Technologies in academics, research, and industry and encouraged faculty members to continuously update their skills to meet global technological advancements.

Dr. A. Mohan Babu, Director, NRCM, in his address, congratulated the organizing team for successfully arranging the FDP in collaboration with CSI Hyderabad Chapter. He highlighted the role of emerging Next Generation Computing Technologies in transforming education, research, and industry practices, and motivated participants to actively engage in the sessions for professional growth.

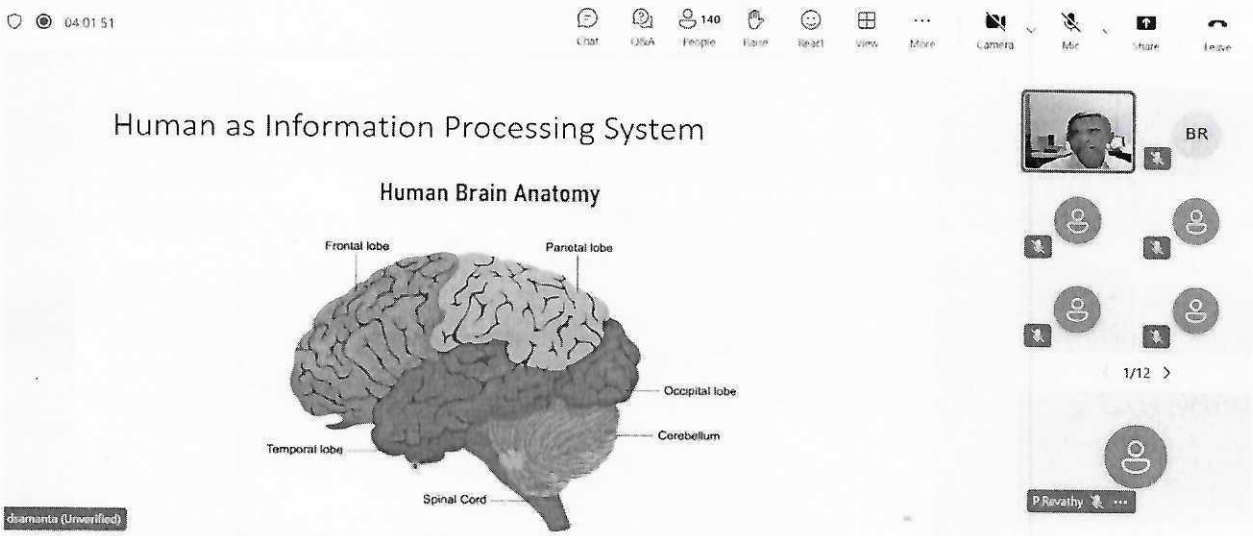
The **Chief Guest, Sri. J. Thrishul Reddy, Secretary, NRCM**, delivered an inspiring speech emphasizing the importance of Next Generation Computing Technologies in day-to-day applications, industry solutions, and research innovations. He stressed that academicians must focus on industry-oriented research and practical learning alongside theoretical knowledge to prepare students for future technological challenges.

The inaugural function concluded with a **vote of thanks**, expressing gratitude to the management, dignitaries, resource persons, organizers, coordinators, and participants for their support and active participation, marking a successful beginning to the One Week FDP.



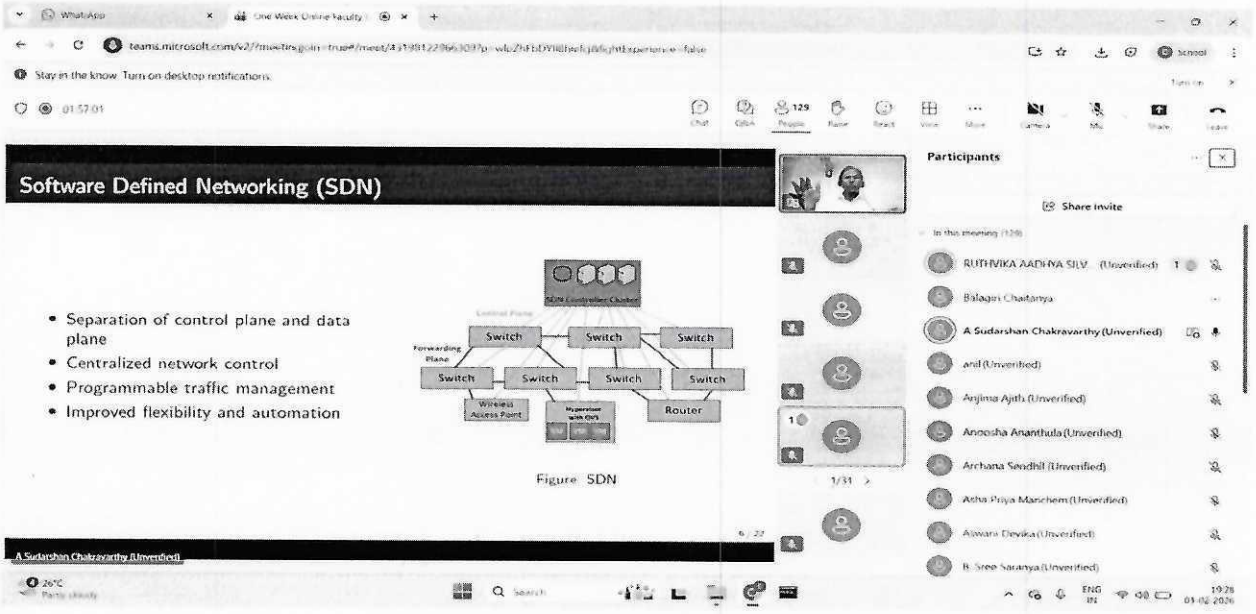
Day 1 – 02 February 2026 (Monday):

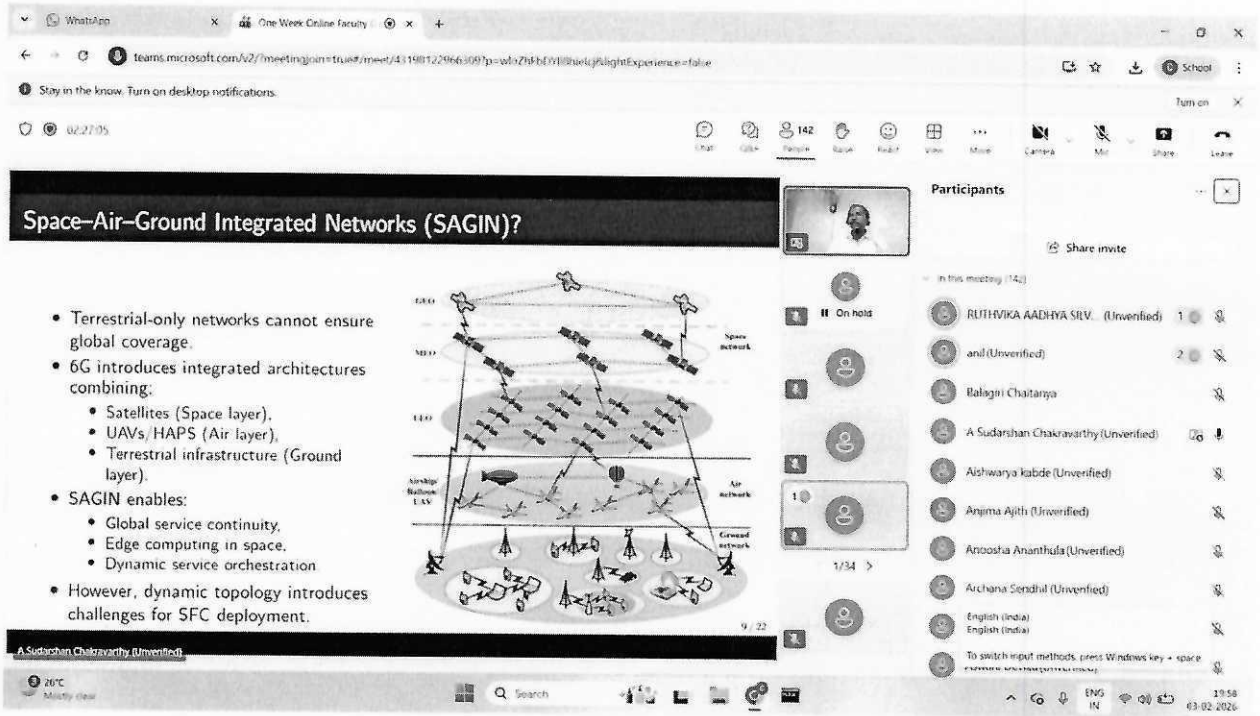
The first day of the FDP featured an insightful session by **Dr Debasis Samantha Professor, CSE, IIT ,Kharagpur**. The session titled **"Large Language Model: Next Generation Computational Intelligence"** focused he session provided a comprehensive overview of Large Language Models (LLMs), highlighting their evolution, underlying architectures, and role as a key enabler of next-generation computational intelligence. Emphasis was placed on the theoretical foundations of LLMs, their training paradigms, and practical applications across domains such as natural language understanding, automation, and intelligent systems. The session also discussed current challenges, ethical considerations, and future research directions associated with large-scale AI models.



Day 2 – 03 February 2026 (Tuesday):

On the second day, **Dr Sudarshan Chakravarthy A, Assistant Professor, CSE, NIT, Calicut**, delivered an engaging talk on **"Next Generation Networks."** The session introduced participants to emerging network paradigms such as SDN, NFV, 5G/6G, and edge–cloud integration. It highlighted the role of advanced networks in enabling high-speed, low-latency, secure, and scalable communication for applications including AI, IoT, and cyber-physical systems. The session enhanced participants' understanding of modern networking trends relevant to teaching, research, and industry applications.



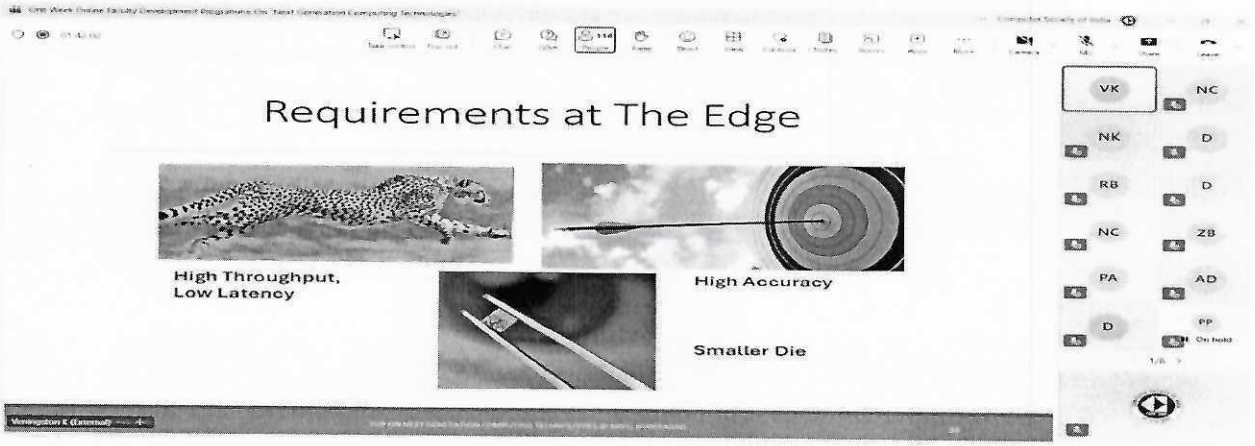


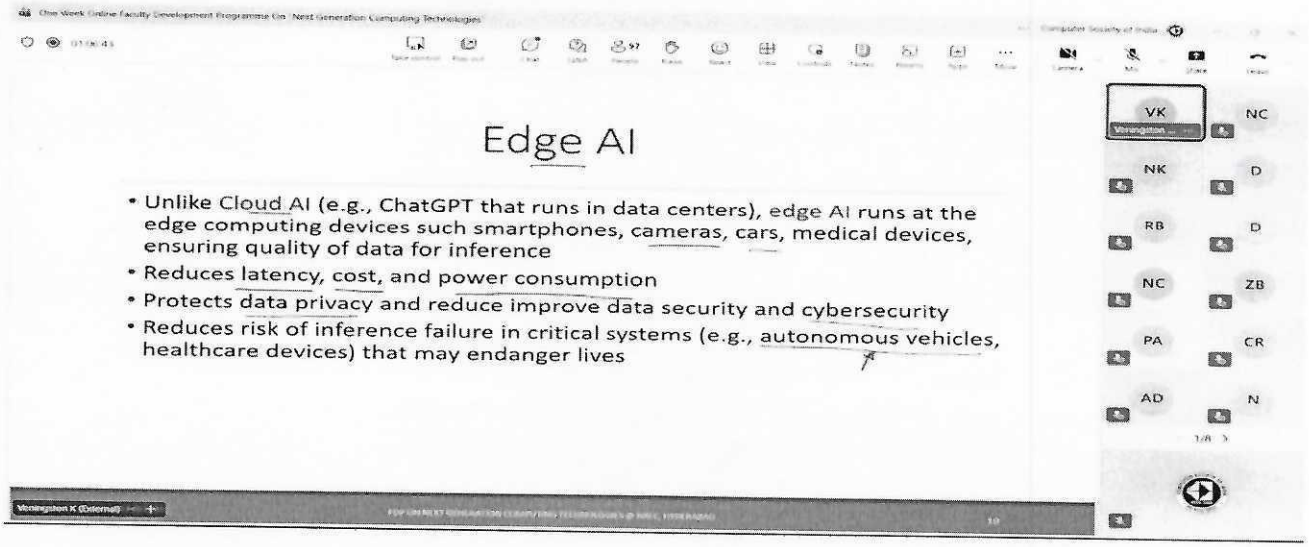
Day 3 – 04 February 2026 (Wednesday):

The third day was enriched by **Dr.G.N.Vivekananda, Associate Professor, SCORE, Vellore Institute of Technology, Vellore**. His session on **"Introduction to Quantum Computing"** provided introduced the fundamental concepts of Quantum computing, including qubits, superposition, and entanglement. It highlighted differences between classical and quantum computing models. Participants gained awareness of quantum algorithms and potential applications in complex problem solving. The session emphasized the impact of quantum computing on future technologies and research. Overall, it provided a foundational understanding of emerging quantum computing paradigms.

Day 4 – 05 February 2026 (Thursday):

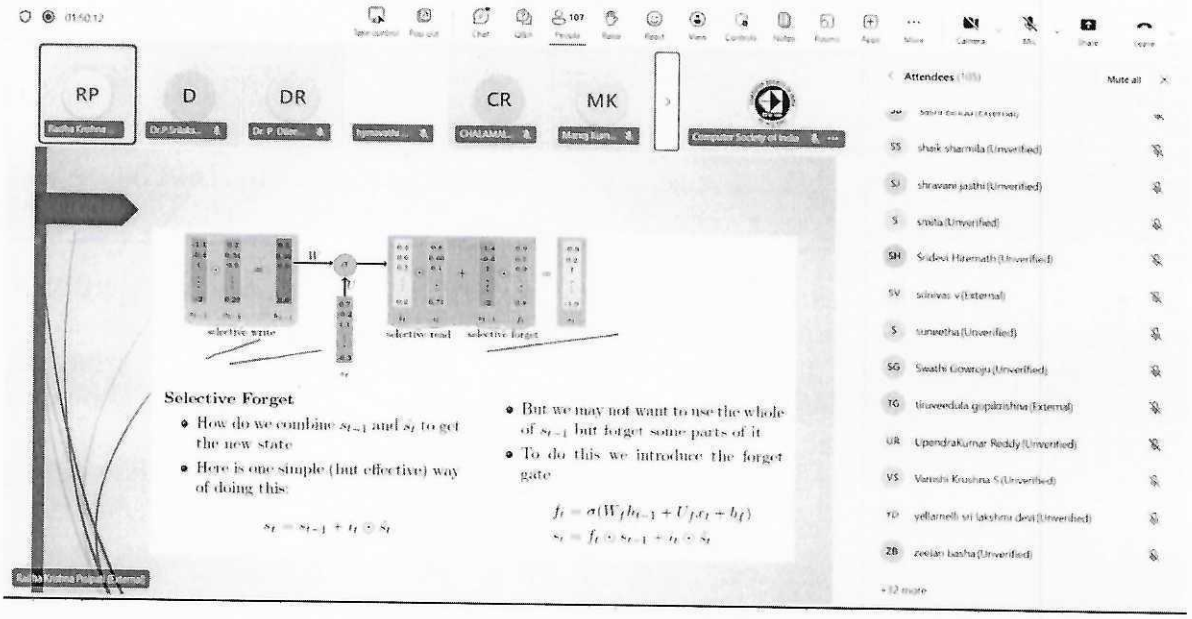
The fourth day featured an informative lecture by Dr.Veingston K, Assistant Professor, CSE, NIT Srinagar. The session titled **"Model Optimization and Acceleration for Edge AI"** session focused on techniques for optimizing and accelerating AI models for Edge deployments. It discussed model compression, pruning, quantization, and hardware-aware optimization. Participants learned how to balance performance, latency, and resource constraints at the edge. The session highlighted deployment challenges and real-time inference requirements. It enhanced understanding of efficient AI execution in Edge computing environments.

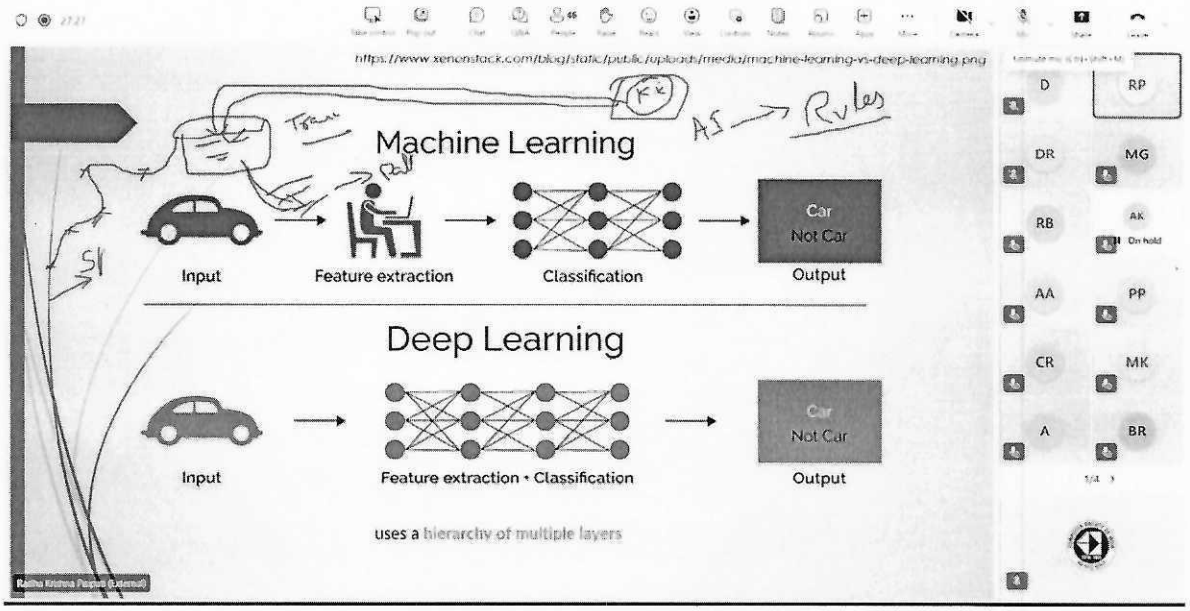




Day 5 – 06 February 2026 (Friday):

The fifth day featured an informative lecture by **Prof.P.Radha Krishna, Professor, CSE, NIT Warangal**. The session titled **"Deep Learning with Algorithms"** focused on covering the core principles of Deep Learning and its underlying algorithms. It explained the working of neural networks and learning mechanisms. Participants gained insights into algorithm selection for various learning tasks. The session emphasized practical applications of deep learning in real-world problems. It strengthened understanding of deep learning techniques for advanced computing solutions.

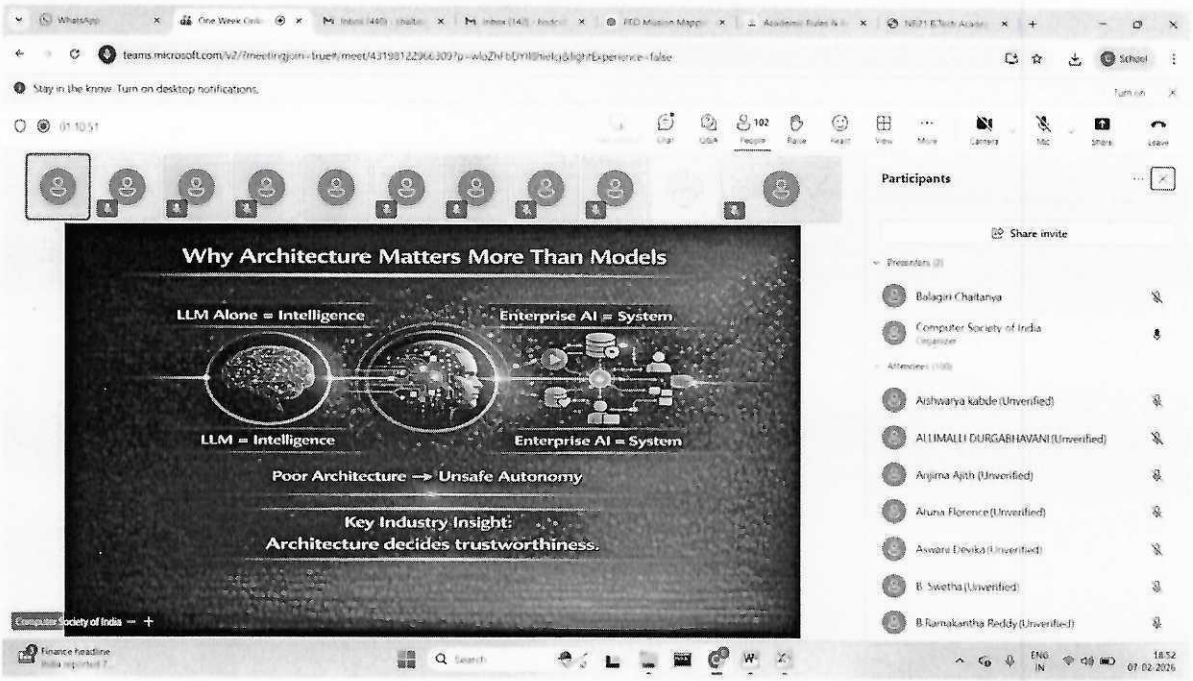


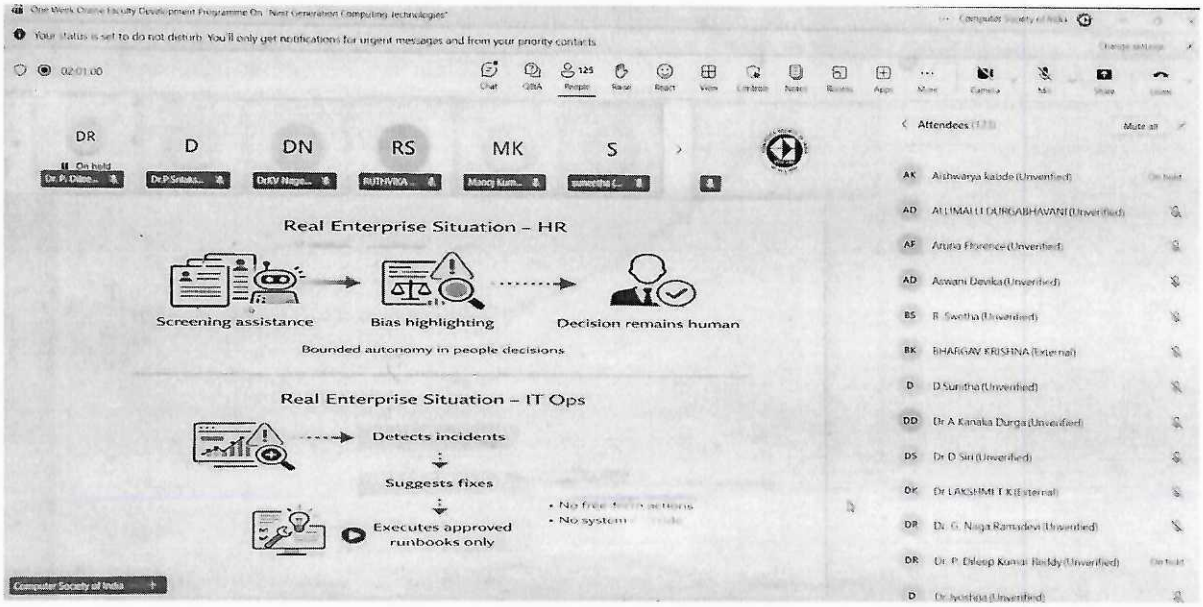


Day 6 – 07 February 2026 (Saturday):

The sixth and final day featured an informative lecture by Dr.Kalyan Sarvepalli, MC Member, CSI Hyderabad Chapter, Infosys Limited, Principal Consultant, Cloud, Data Enthusiast, Data Analytics, Hyderabad. The session titled **"Enterprise Agentic AI Architecture, Autonomy and Trust in Next Generation Computing"** focused on The session introduced Enterprise Agentic AI architectures and their role in next generation computing. It explained concepts of autonomy, decision-making, and multi-agent coordination. Participants gained insights into trust, safety, and governance mechanisms in agentic systems. The session discussed enterprise use cases and deployment considerations. It emphasized the importance of responsible and reliable AI for future digital ecosystems.

The sixth and final day of the Faculty Development Programme was marked by the **Valedictory Function and Assessment Test**, conducted from **08:00 PM to 08:15 PM**. The session was coordinated by **Dr.P.Srilakshmai, HoD-CS & Mrs. B Chaitanya** Assistant Professors, Department of Computer Science and Engineering. The assessment test was organized to evaluate participants' understanding of the concepts covered during the FDP. The valedictory function formally concluded the programme, acknowledging the active participation and enthusiastic involvement of all attendees and marking the successful completion of the week-long FDP.





Valedictory Function:

The Valedictory Function of the **One Week Online Faculty Development Programme (FDP) on "Next Emerging Computing Technologies"** was successfully conducted on **07th February 2026 at 8:00 PM**. The FDP was organized by the **Department of CSE (Cyber Security), Narsimha Reddy Engineering College (Autonomous), Hyderabad**, in association with the

Computer Society of India (CSI), Hyderabad Chapter. The programme marked the successful conclusion of six days of insightful technical sessions delivered by eminent academicians and industry experts.

The valedictory session commenced with a **welcome note by Mrs. B Chaitanya, Assistant Professor, Department of CSE (CS)**, who warmly greeted the dignitaries, resource persons, and participants. She briefly highlighted the objectives of the FDP and expressed satisfaction over the active participation and overwhelming response received from faculty members across the country.

This was followed by **feedback from the participants**, where several attendees shared their experiences and appreciation for the well-structured sessions, relevant themes, and expert delivery. The participants acknowledged that the FDP significantly enhanced their understanding of data-driven AI, emerging trends, and practical applications, and they expressed gratitude to the organizers for conducting such a valuable academic initiative.

The **Valedictory Address was delivered by the Convener, Dr. P. Srilakshmi, Professor & Head, Department of CSE(Cyber Security)**. In his address, he reflected on the success of the FDP, emphasized the importance of continuous learning in the rapidly evolving field of Computing Technologies, and appreciated the collective efforts of the organizing committee, speakers, and participants for making the programme meaningful and impactful.

Subsequently, **Dr. R. Lokanadham, Principal, NRCM**, addressed the gathering. He congratulated the Department of CSE for organizing the FDP at a national level and highlighted the relevance of Computing Technologies in academia, research, and industry. He encouraged faculty members to integrate the knowledge gained during the FDP into teaching, research, and innovation activities.

The session was further enriched by the address of the **Chief Guest, Dr. A. Mohan, Director, NRCM**, who appreciated the initiative taken by the department in organizing a contemporary and need-based FDP. He stressed the importance of interdisciplinary research and the role of Computing Technologies in shaping the future of higher education and industry. He also commended the CSI Hyderabad Chapter for its support and collaboration.

The programme concluded with a **Vote of Thanks proposed by Mrs.Balagiri Chaitanya, Assistant Professor Dept. of CSE(Cyber Security)**, who expressed sincere gratitude to the management, principal, chief guest, resource persons, CSI Hyderabad Chapter, organizing committee members, technical team, and all participants for their cooperation and support throughout the FDP. She acknowledged the collective efforts that led to the grand success of the programme.

I extend my sincere thanks **D Srinivas, Dean-ICT**, Computer Science & Engineering for extending his excellent and creative ideas in designing the banner for inaugural function, valedictory poster for the FDP and **Teams Links and YouTube live streaming**.

I extend my sincere thanks to the Co-Convener, Prof M Sowmya, Professor, HoD-IT and the

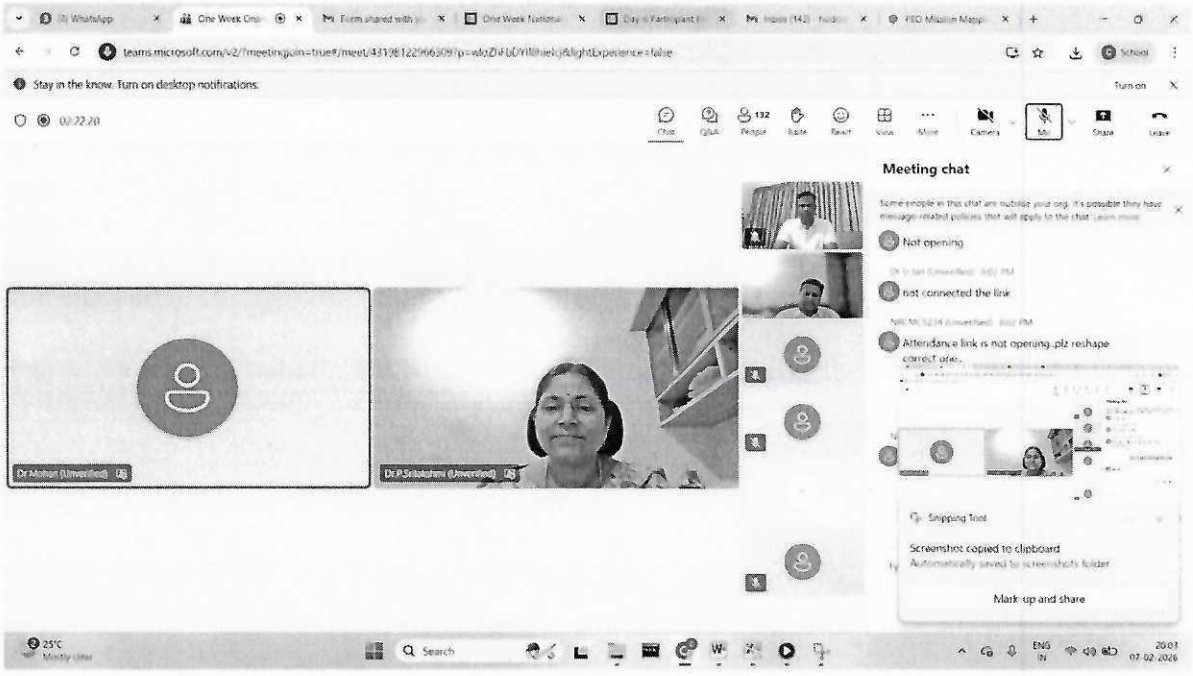
Coordinators, Mrs. Balagiri Chaitanya and Mr. Ramala Ashok, Assistant Professors, for their dedication, coordination, and tireless efforts throughout the FDP.

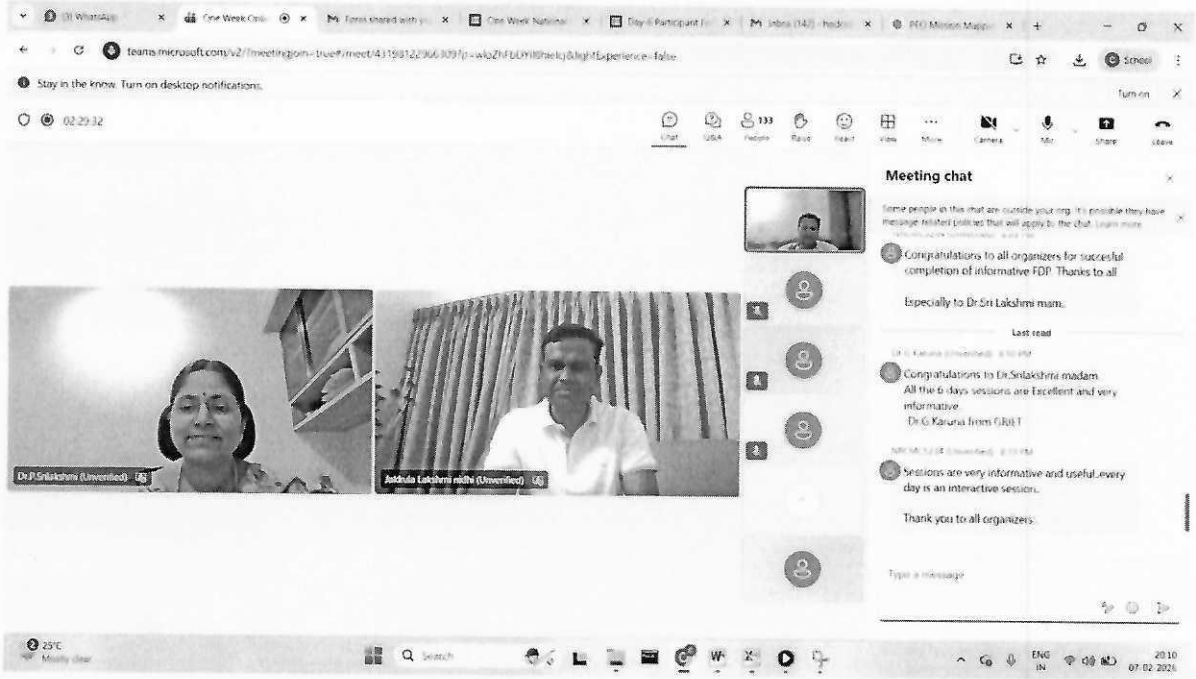
I am very thankful to each and every Cyber Security Department teaching staff members who have contributed and played their part in this success.A special gratitude to the non teaching staff members also, who have worked hard to ensure that this workshop becomes a grand success.

It was a great Initiative by management. I am thankful to Management for giving me this opportunity to conduct online FDP Programme for faculty members of technical institute of India free of cost. I got huge response for registration as well as lots of compliment of arranging the online workshop, content and hands on.The vote of thanks to all the members who made this programme a huge success.

Last but not the least, the wonderful participants from various states contributed their part and who have turned up in such great numbers, without their support this program would not be successful.Thank you so much for your keen interest and participation in the workshop. Thank you every one.

The Valedictory Function ended on a positive note, marking the successful completion of the FDP and reinforcing the institution's commitment to academic excellence, faculty development, and emerging technology adoption.





Programme Outcomes (POs) Mapping for the FDP:

The Faculty Development Programme was aligned with the following Programme Outcomes, enabling participants to enhance their academic, research, and professional competencies:

PO1 – Engineering Knowledge: The FDP significantly enhanced participants' knowledge of advanced computing domains such as Large Language Models, Deep Learning, Quantum Computing, and Next Generation Networks, directly strengthening engineering fundamentals and advanced disciplinary knowledge.

PO2 – Problem Analysis: Sessions focused on analyzing complex computing challenges related to scalability, optimization, performance, trust, and autonomy in next generation systems, enabling systematic problem identification and analysis.

PO3 – Design / Development of Solutions: The FDP addressed the design of efficient and innovative computing solutions through agentic AI architectures, edge AI optimization, and deep learning models, supporting solution development for real-world applications.

PO4 – Conduct Investigations of Complex Problems: Exposure to current research trends, algorithms, and emerging technologies encouraged investigation of complex computing problems and interpretation of contemporary research outcomes.

PO5 – Modern Tool Usage: Participants were introduced to modern tools, platforms, and frameworks related to AI models, networking architectures, optimization techniques, and quantum computing environments.

PO8 – Ethics: Discussions on enterprise agentic AI, autonomy, trust, and responsible deployment highlighted ethical considerations and professional responsibilities in next generation computing.

PO10 – Communication: Interactive technical sessions and knowledge-sharing enhanced participants' ability to comprehend and communicate complex computing concepts effectively in academic and professional settings.

Programme Specific Outcomes (PSOs) Mapping for the FDP:

The FDP specifically contributed to the following Programme Specific Outcomes relevant to Computer Science and Engineering:

PSO1 – Core Computing and Cyber Systems Competence

The FDP strengthened advanced technical competence in next generation computing areas such as Large Language Models, Deep Learning algorithms, Edge AI optimization, Quantum Computing, and Next Generation Networks, directly supporting domain-specific knowledge and problem-solving skills.

PSO2 – Research, Innovation, and Emerging Technologies

Exposure to cutting-edge research themes, agentic AI architectures, and advanced optimization techniques enhanced participants' ability to engage in research, innovation, and adoption of emerging computing technologies.

PSO3 – Professional Practice, Ethics, and Industry Orientation

Sessions on enterprise agentic AI, autonomy, trust, and responsible AI deployment contributed to professional awareness, ethical practices, and industry-oriented understanding of next generation computing systems.

Sustainable Development Goals (SDGs) Mapping for the FDP:

The FDP contributed significantly to the following **United Nations Sustainable Development Goals (SDGs):**

SDG 3 – Good Health and Well-being: Next Generation Computing Technologies applications in healthcare discussed during the FDP support improved diagnostics, patient care, and healthcare decision-making.

SDG 4 – Quality Education: The FDP enhanced the quality of education by empowering faculty with advanced Computing Technologies, innovative teaching methodologies, and curriculum enrichment.

SDG 9 – Industry, Innovation, and Infrastructure: The focus on operationalizing computing technologies in enterprises and intelligent systems promotes innovation, technological advancement, and sustainable infrastructure.

SDG 10 – Reduced Inequalities: Next Generation Computing Technologies discussed in the FDP enable inclusive access to healthcare, education, and intelligent technologies.

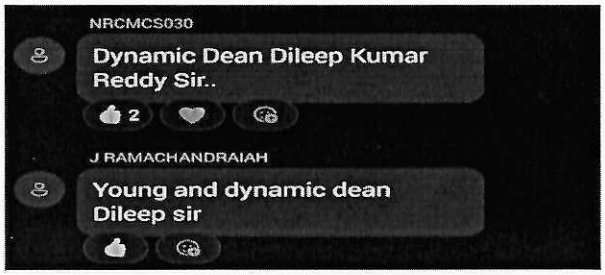
SDG 17 – Partnerships for the Goals: Collaboration between academia, professional bodies like CSI, and experts fostered partnerships that support sustainable technological development.

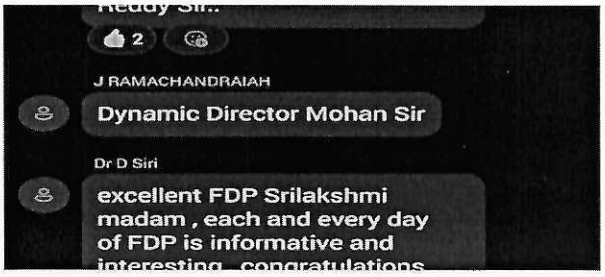
YouTube Links:

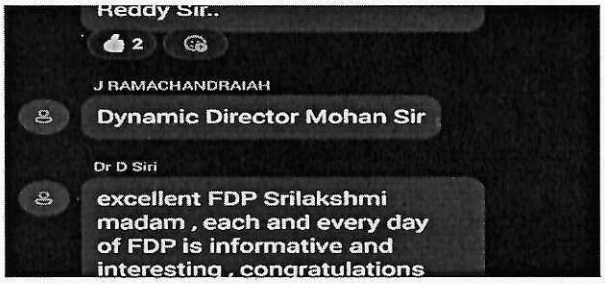
DATE	Resource Person	Topic Covered	YouTube Links
02-02-2026 (Monday)	**Inaugural Function** Welcome Note by Prof M Sowmya & Dr P.Srilakshmi	**Inaugural Function**	https://youtu.be/cbp6BUL998M
02-02-2026 (Monday)	Dr Debasis Samantha Professor, CSE, IIT ,Kharagpur	Large Language Model: Next Generation Computational Intelligence	
03-02-2026 (Tuesday)	Dr Sudarshan Chakravarthy A, Assistant Professor, CSE, NIT, Calicut	Next Generation Networks	https://youtu.be/AAxp68ihoDQ
04-02-2026 (Wednesday)	Dr.G.N.Vivekananda, Associate Professor, SCORE, Vellore Institute of Technology, Vellore	Introduction to Quantum Computing	https://youtu.be/AAxp68ihoDQ
05-02-2026 (Thursday)	Dr.Veingston K, Assistant Professor, CSE, NIT Srinagar	Model Optimization and Acceleration for Edge AI	https://youtu.be/Akk2DFQ6BiU
06-02-2026 (Friday)	Prof.P.Radha Krishna, Professor, CSE, NIT Warangal	Deep Learning with Algorithms	https://youtu.be/AAxp68ihoDQ
07-02-2026 (Saturday)	Dr.Kalyan Sarvepalli, MC Member, CSI Hyderabad Chapter, Infosys Limited, Principal Consultant, Cloud, Data Enthusiast,	Enterprise Agentic AI Architecture, Autonomy and Trust in Next Generation Computing	https://youtu.be/Akk2DFQ6BiU

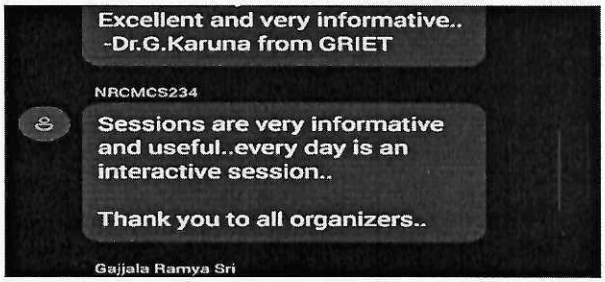
	Data Analytics, Hyderabad		
07-02-2026 (Saturday)	Dr P.Srilakshmi, HoD-CS & Mrs. Balagiri Chaitanya, Assistant Professor, CS	Valedictory Function & Assessment Test	

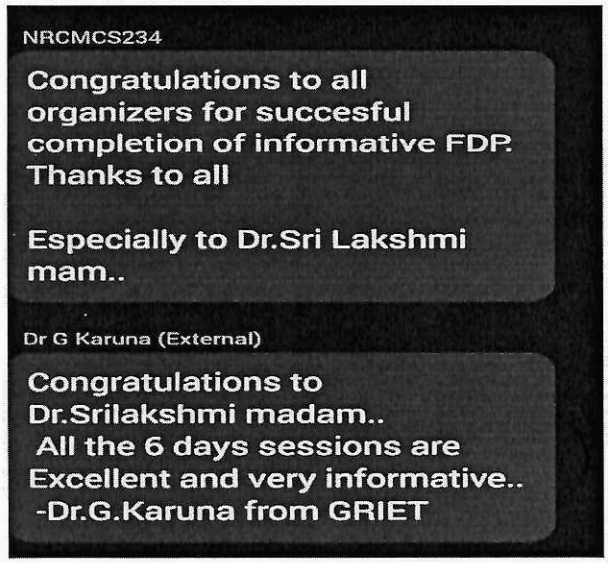
Feedback of the Participants:

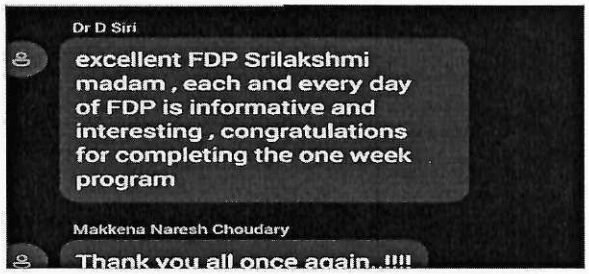


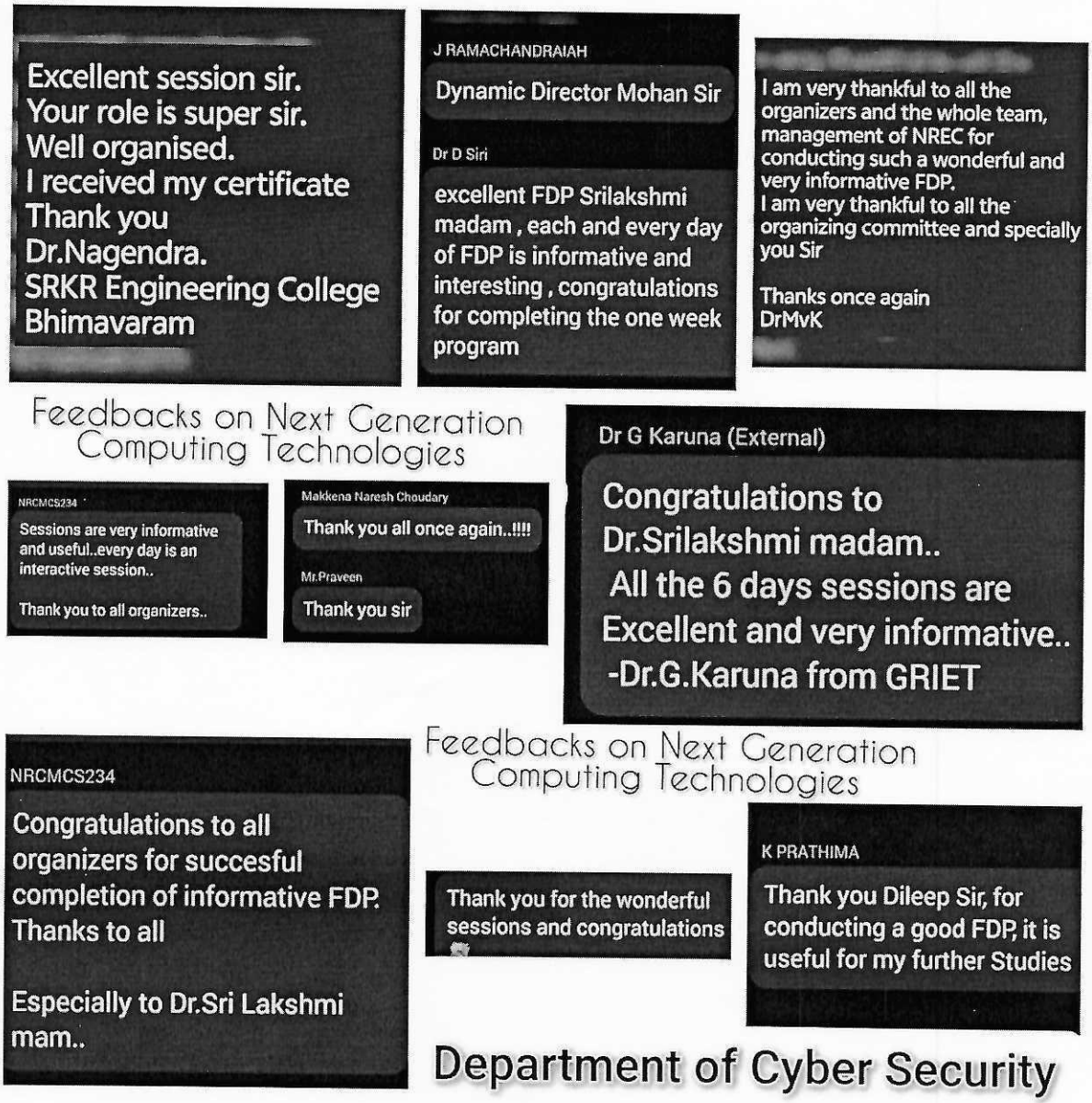












Conclusion of the FDP:

The One Week Online Faculty Development Programme on **"Next Generation Computing Technologies"**, organized by the **Department of CSE (Cyber Secuity), Narsimha Reddy Engineering College (Autonomous), Hyderabad**, in association with the **Computer Society of India (CSI), Hyderabad Chapter**, was concluded successfully with active participation from faculty members and researchers across the country. The programme effectively achieved its intended objectives by providing in-depth insights into Computing Technologies.

The programme provided structured exposure to contemporary topics such as Large Language Models, Agentic AI, Quantum Computing, Next Generation Networking, Deep Learning

algorithms, and Model Optimization for Edge AI. The sessions effectively bridged theoretical foundations with practical insights, enabling participants to gain a holistic understanding of next generation computing paradigms.

The FDP significantly contributed to improving participants' academic and research capabilities by familiarizing them with current technological trends, modern computational tools, and research-oriented approaches. Interactive sessions and expert lectures encouraged critical thinking, knowledge sharing, and exploration of interdisciplinary research opportunities relevant to industry and academia.

Emphasis on ethical, trustworthy, and responsible deployment of advanced computing technologies enhanced professional awareness and societal responsibility among participants. The discussions highlighted the importance of autonomy, trust, and governance in emerging AI systems.

Overall, the FDP served as an effective platform for capacity building and continuous professional development, supporting quality education, innovation, and sustainable advancement in computing technologies.

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