REPORT ON ONLINE FDP
EXPANDING HORIZONS: AI IN TECHNOLOGY APPLICATIONS

FDP co-ordinators: Ms. V. Sreeja, Asst. Prof. ECE,
Mr. Sujithsree P. S, Asst. Prof. ECE

Date: 3rd November – 8th November, 2025

Venue: Online mode

The FDP session began with a formal welcome address delivered by the Dean and Head of the Department, Prof. Roy S.

Date: Day 1- 3rd November 2025

Time: 7:00 PM – 8:30 PM

Resource Person: *Dr. Anoop B. N., Assistant Professor, Manipal Institute of Technology, MAHE, Manipal*

Session Topic: *AI in Medical Analysis – Deep Learning Approaches (CNNs & U-Net)*

Organized as part of: Online Faculty Development Programme (FDP)

Introduction

An online Faculty Development Programme (FDP) session was conducted on 3rd November 2025 from 7.00 PM to 8.30 PM, featuring Dr. Anoop B. N., Assistant Professor, Manipal Institute of Technology, MAHE, Manipal, as the resource person. The session focused on AI in Medical Analysis – Deep Learning Approaches (CNNs & U-Net), with special reference to the speaker's research work.

1. Role of AI in Medical Analysis

AI has significantly improved medical imaging and diagnostics by enabling:

- Automated disease detection
- Image segmentation of organs and abnormalities
- Faster and more accurate diagnosis
- Clinical decision support

Common imaging modalities: X-ray, CT, MRI, Ultrasound, Histopathology.

2. Convolutional Neural Networks (CNNs)

CNNs are widely used in medical imaging because they automatically learn spatial features like edges, textures, and patterns.

Applications:

- Image Classification (e.g., pneumonia detection)

- Disease Detection

- Localization using Grad-CAM

Popular CNN architectures: VGG, ResNet, DenseNet, Inception, MobileNet.

3. U-Net for Medical Image Segmentation

U-Net is a specialized CNN architecture used for pixel-wise segmentation in medical images.

Key components:

- Contracting Path (Encoder): Extracts features, reduces spatial size

- Expanding Path (Decoder): Upsamples, reconstructs segmentation

Advantages:

- Works well with small datasets

- Highly accurate segmentation

- Skip connections preserve details

Variants: U-Net++, Attention U-Net, 3D U-Net, Residual U-Net.

Applications: Tumor segmentation, organ segmentation, retinal vessel detection, cell segmentation.

4. AI-based Medical Analysis Pipeline

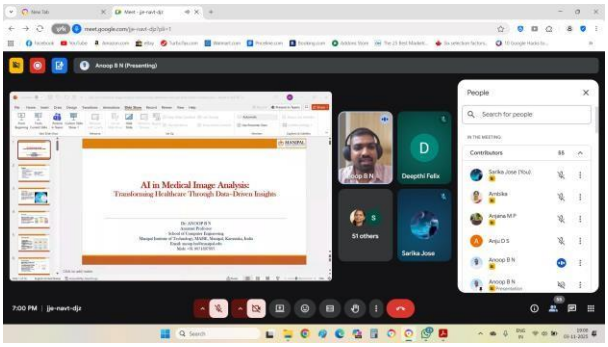
1. Data Acquisition
2. Preprocessing
3. Model Development (CNN for classification, U-Net for segmentation)
4. Training with annotated data
5. Evaluation (Accuracy, IoU, Dice coefficient)
6. Deployment in clinical systems

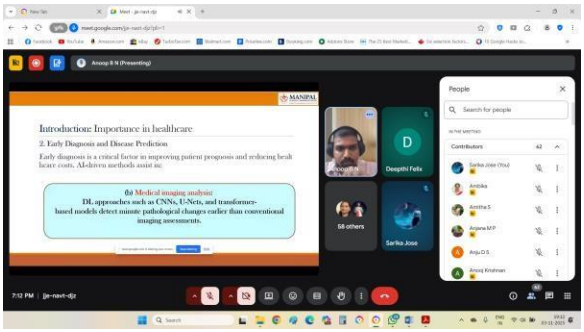
5. Advantages of AI in Medical Imaging

- Faster diagnosis
- Reduced human error
- Improved reproducibility
- Early disease detection
- Supports radiologists

6. Challenges

- Need for large labeled datasets
- Scanner/hospital variability
- Explainability issues
- Ethical and regulatory considerations





Date: Day 2- 4th November 2025

Time: 7:00 PM – 8:30 PM

Resource Person: *Dr. Anoop B. N., Assistant Professor, Manipal Institute of Technology, MAHE, Manipal*

Session Topic: *AI-Based Image Segmentation Techniques and Biomedical Applications*

Organized as part of: Faculty Development Programme (FDP)

Introduction

An online Faculty Development Programme (FDP) session was conducted on 4th November 2025 from 7.00 PM to 8.30 PM, featuring Dr. Anoop B. N., Assistant Professor, Manipal Institute of Technology, MAHE,

Manipal, as the resource person. The session focused on AI-based image segmentation techniques and their applications in biomedical image analysis, with special reference to the speaker's research work.

Key Discussion Points

1. Image Segmentation – Classical vs AI-based Techniques

Dr. Anoop began by explaining the fundamentals of image segmentation, a process used to partition an image into meaningful regions for easier analysis.

- Classical segmentation techniques such as thresholding, edge detection, region growing, and clustering were discussed. These methods depend heavily on handcrafted features and have limitations when dealing with complex medical images.
- AI-based segmentation techniques, particularly deep learning models, overcome these limitations by automatically learning hierarchical features from data. The speaker highlighted how Convolutional Neural Networks (CNNs) have revolutionized image segmentation tasks, especially in the biomedical domain.

2. Deep Learning Architectures: U-Net, 3D U-Net, and Transformers

The speaker provided an overview of important deep learning architectures used in segmentation:

- **U-Net:** A CNN-based encoder-decoder architecture that enables precise localization and has become the gold standard for biomedical image segmentation.
- **3D U-Net:** An extension of U-Net designed to handle volumetric data such as MRI and CT scans, capturing spatial information in three dimensions.
- **Transformers in Segmentation:** Dr. Anoop discussed the emergence of Vision Transformers (ViT) and Swin Transformers, which use self-attention mechanisms to capture global image context more effectively than CNNs.

3. Review of IEEE Paper Works

The session also included a discussion on recent IEEE publications related to AI-based segmentation. Dr. Anoop highlighted studies employing DenseNet, ResNet, and Transformer-based networks for improved feature extraction, faster convergence, and enhanced segmentation accuracy. Emphasis was placed on how these research works contribute to more reliable medical diagnoses.

4. DenseNet

Dr. Anoop elaborated on DenseNet (Densely Connected Convolutional Network), explaining how each layer receives inputs from all previous layers, promoting feature reuse and reducing the number of parameters. This architecture has shown great potential in medical image analysis by efficiently learning from limited datasets and improving gradient flow.

5. Biomedical Applications: Retinal and Cardiac Imaging

A major part of the talk focused on biomedical image applications, particularly in the detection of small vessel diseases.

- The speaker presented his work on retinal image analysis, where segmentation techniques help in identifying microvasculature changes, early indicators of diabetic retinopathy, and hypertensive retinopathy.
- He also discussed segmentation in cardiac imaging, particularly for analyzing vessel morphology and tissue structures critical to cardiovascular health.

6. Speaker's Ph.D. Work – Retinal Small Vessel Diseases

Dr. Anoop shared insights from his Ph.D. research, which centered on the detection and analysis of retinal small vessel diseases using deep learning-based segmentation. His research integrates AI algorithms with ophthalmic imaging to identify minute vascular changes that could predict systemic diseases such as stroke or dementia.

7. Principle of Optical Coherence Tomography (OCT)

The principle of Optical Coherence Tomography (OCT) was also explained. OCT is a non-invasive imaging technique that uses light waves to capture cross-sectional images of biological tissues, particularly the retina. It provides high-resolution imaging of retinal layers, making it vital for diagnosing ocular diseases. Dr. Anoop detailed how AI models are increasingly being used to interpret OCT images for automated diagnosis.

8. Modelling Speckle Noise

Dr. Anoop discussed speckle noise, an inherent problem in coherent imaging systems like OCT. He explained mathematical models used to represent speckle noise and the importance of denoising algorithms to improve image quality before segmentation. AI-driven approaches are now being explored for adaptive speckle noise reduction.

9. Hippocampal Subfield Segmentation

The session also covered hippocampal subfield segmentation, crucial for understanding neurological disorders such as Alzheimer's disease. Deep learning models are employed to segment subfields in MRI

scans, offering precise anatomical insights that traditional techniques cannot provide.

10. Challenges in AI Segmentation

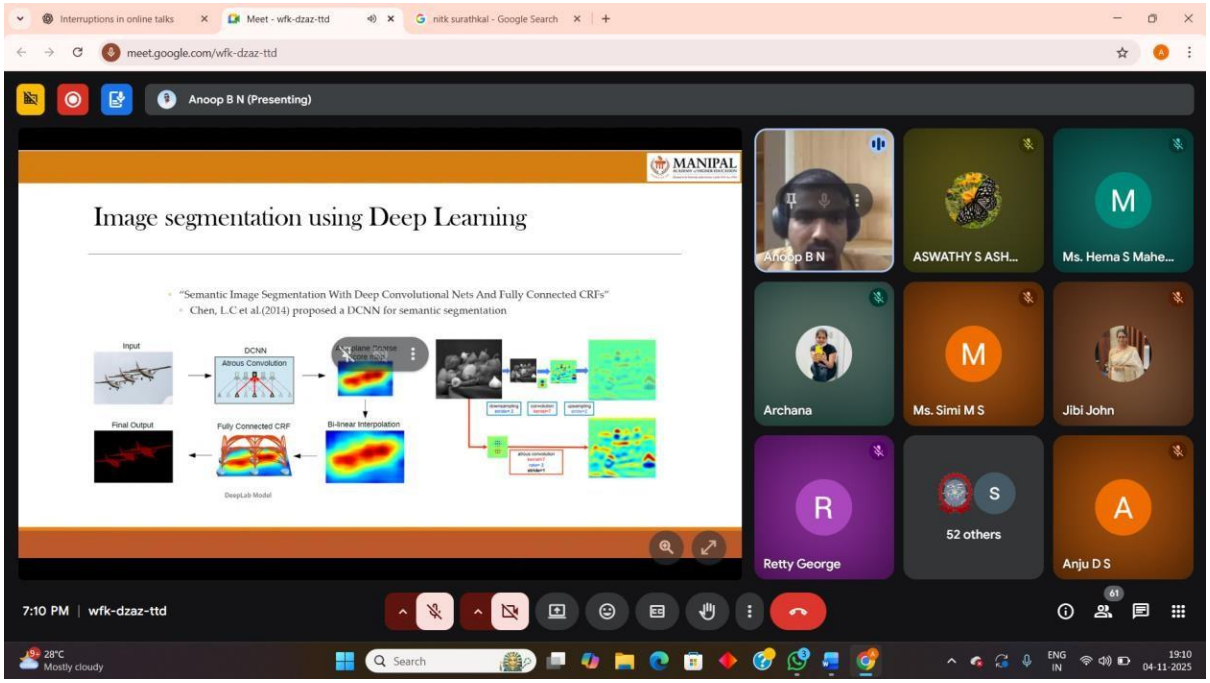
Dr. Anoop concluded the session by discussing ongoing challenges in AI segmentation, including:

- Limited annotated datasets for training models
- High computational requirements
- Model generalization across diverse imaging modalities
- Interpretability and clinical validation of AI outcomes

He emphasized the need for interdisciplinary collaboration to overcome these hurdles and ensure reliable clinical adoption.

Conclusion

The session delivered by Dr. Anoop B. N. provided deep insights into the current advancements and research trends in AI-driven medical image segmentation. His discussion bridged theoretical foundations, practical applications, and ongoing challenges in the field. The FDP session proved to be highly informative and inspiring, particularly for researchers and educators exploring the intersection of AI and biomedical imaging.



Date: Day 3- 5th November 2025

Time: 7:00 PM – 8:30 PM

Resource Person: *Dr. Chinnu Jacob, Head of Department of Artificial Intelligence, TKM College of Engineering*

Session Topic: *AI Revolution in Healthcare: From Diagnosis to Virtual Care*

Organized as part of: Online Faculty Development Programme (FDP)

Introduction

The third day of the Faculty Development Programme featured an in-depth session by Dr. Chinnu Jacob, focusing on the transformative role of Artificial Intelligence in the healthcare ecosystem. The session provided an extensive overview of the applications, advancements, and future scope of AI in diagnosis, clinical decision-making, and virtual patient care.

Key Highlights

1. Introduction to AI in Healthcare

- Role of AI in modern medical systems

- How to effectively use AI in healthcare settings
- Key benefits of AI in improving medical accuracy, accessibility, and efficiency

2. AI-Driven Diagnostic Techniques

2D Classification Techniques

- Overview of fundamental image-based classification approaches

GOOGLE DeepMind Applications

- AI-powered diagnostic capabilities
- Advances in radiology and ophthalmology

PATH AI Diagnostics

- Use of AI in pathological image interpretation
- Enhanced accuracy in detecting disease markers

Radiomic Approaches

- Histological subtype classification
- Application of quantitative imaging features

3. Lung Cancer Classification Approaches

- Multimodality-Based Lung Cancer Classification
- Hybrid Attention-Based Subtype Classification
- 3D CNN-Based Lung Cancer Classification Frameworks

These sections explored how combining CT, PET, MRI, and deep learning architectures enhances the precision of cancer subtype prediction.

4. Brain Tumor Detection Techniques

- AI-powered tumor segmentation and classification
- Moving from local feature extraction to global understanding in neuro-imaging

5. Advanced AI Techniques in Healthcare

- GAN (Generative Adversarial Networks) Approaches for medical image enhancement and augmentation
- Predictive Analytics for early disease prognosis

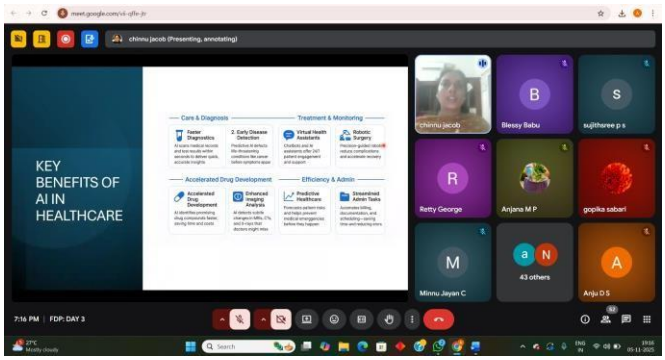
- AI-Based Surgical Inpainting for reconstructive visualization and pre-surgical planning

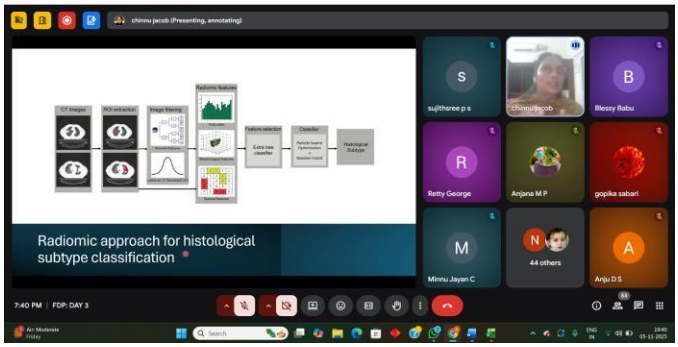
5. Outcomes of the Session

- Faculty gained a deep understanding of cutting-edge AI techniques used in healthcare diagnostics.
- Participants became familiar with state-of-the-art systems like DeepMind and PATH AI.
- Improved awareness of modern approaches such as attention networks, multimodal fusion, and 3D CNNs.
- Enhanced knowledge of the potential of GANs and predictive analytics in healthcare solutions.
- The session encouraged faculty to explore AI-driven research projects in medical imaging and decision support systems.

7. Conclusion

Day 3 of the FDP effectively highlighted the revolutionary impact of AI in healthcare, covering a wide spectrum of diagnostic and clinical applications. The session empowered faculty members with the necessary understanding to integrate AI concepts into teaching, research, and future innovation initiatives.





Date: Day 4- 6th November 2025

Time: 7:00 PM – 8:30 PM

Resource Person: *Ms. Meharuniza Nazeem, Research Associate, ICFOSS (International Centre for Free and Open Source Software)*

Session Topic: *Intelligent Vision: Image Processing Techniques and Applications in Engineering*

Organized as part of: Online Faculty Development Programme (FDP)

Introduction

The fourth day of the Faculty Development Programme featured an insightful session on “Intelligent Vision: Image Processing Techniques and Applications in Engineering,” led by Ms. Meharuniza Nazeem, Research Associate at ICFOSS. The session explored the transition from traditional image processing to intelligent, AI-based vision systems that combine perception, reasoning, and multimodal understanding.

Key Highlights

1. Introduction to Intelligent Vision

The session began with an overview of how image processing has evolved from manual feature extraction methods such as edge detection, color, and texture analysis to automated deep learning systems capable of learning complex visual patterns without manual intervention.

2. Deep Learning Architectures

Ms. Meharuniza detailed the major architectures driving intelligent vision:

- Convolutional Neural Networks (CNNs): Explained the working of CNNs in extracting hierarchical image features, covering convolution, pooling, activation functions, and fully connected layers. Applications include OCR, face recognition, medical imaging, and defect detection.
- ResNet and DenseNet Models: Discussed the evolution of deep connectivity through residual and dense connections, addressing challenges like vanishing gradients and information loss. Emphasized transfer learning and pretrained models.
- Vision Transformers (ViTs): Based on Transformer models used in NLP, ViTs treat image patches as sequential tokens and use self-attention to learn global contextual relationships.
- CLIP (Contrastive Language–Image Pretraining): Developed by OpenAI, CLIP connects vision and language using dual encoders for text and image, enabling zero-shot classification and supporting multimodal AI applications like DALL·E and Stable Diffusion.

3. Hands-on Programming Session

A hands-on demonstration was conducted to help participants understand how these models are implemented using deep learning frameworks. Practical examples were shown for image classification and feature

extraction using Python-based tools, allowing participants to visualize how CNN and Transformer models process visual data.

4. Explainable Artificial Intelligence (XAI)

The resource person introduced Explainable AI (XAI) techniques to promote transparency and interpretability in AI models:

- LIME (Local Interpretable Model-Agnostic Explanations): Highlights local feature importance.
- SHAP (SHapley Additive exPlanations): Quantifies the contribution of each input feature based on game theory principles.

5. Applications and Future Trends

The discussion included the wide range of applications of intelligent vision in engineering:

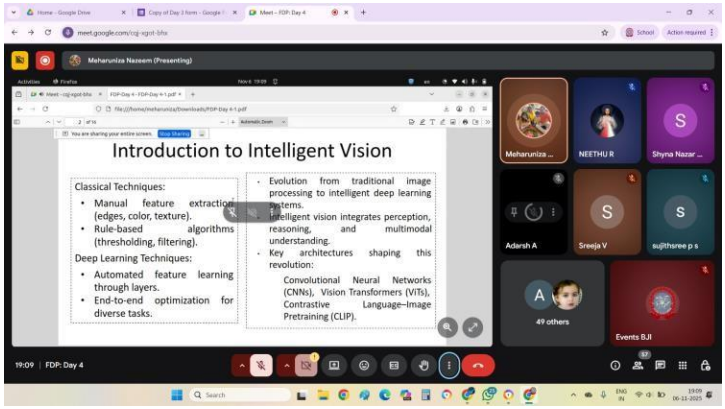
- Medical Imaging – disease detection and segmentation
- Quality Control – defect detection in manufacturing
- Robotics and Drones – perception and autonomous navigation
- Remote Sensing – terrain and satellite image analysis

- Intelligent Document Processing – OCR and data extraction

Future trends highlighted included multimodal AI systems, lightweight transformer models for edge devices, Explainable AI integration, and applications in robotics and smart city frameworks.

Conclusion

The session provided a comprehensive understanding of how deep learning and artificial intelligence are revolutionizing the field of computer vision. The combination of theoretical discussion and hands-on practice made the session highly informative and engaging. Participants gained valuable insights into implementing intelligent vision models and their real-world applications in various engineering domains.



Date: Day 5- 7th November 2025

Time: 7:00 PM – 8:30 PM

Resource Person: *Mr. Navaneeth S, Research Associate, International Centre for Free and Open-Source Solutions (ICFOSS), Thiruvananthapuram.*

Session Topic: *Empowering Machines to Understand Language: NLP in Action.*

Organized as part of: Online Faculty Development Programme (FDP)

Introduction

The fifth day of the Faculty Development Programme featured an insightful session on "Empowering Machines to Understand Language: NLP in Action," led by Mr. Navaneeth S, Research Associate, International Centre for Free and Open-Source Solutions (ICFOSS). The session explored the The resource person provided a comprehensive introduction to Natural Language Processing (NLP) and its applications in the field of Artificial Intelligence.

Key Discussion Points

1. **Basics of NLP**

He explained the evolution of NLP from the Rule-Based Era to the Statistical NLP Era, highlighting how the approach to language understanding has transformed over time.

Following points were discussed in detail:

• Tokenization, stemming, lemmatization

• Part-of-Speech tagging

• Named Entity Recognition (NER)
• Syntax and semantic analysis

2. Machine Learning & Deep Learning in NLP

The session further covered the Core NLP Pipeline, detailing the linguistic layers and processing steps involved in language analysis. Participants gained valuable insights into how machines interpret, process, and generate human language.

3. NLP Applications

A major highlight of the session was the discussion on Large Language Models (LLMs) — their structure, training mechanisms, and real-world applications. The speaker also emphasized research directions and open challenges in the field, encouraging participants to explore innovative solutions in NLP and AI-driven language technologies. Some applications mentioned below:

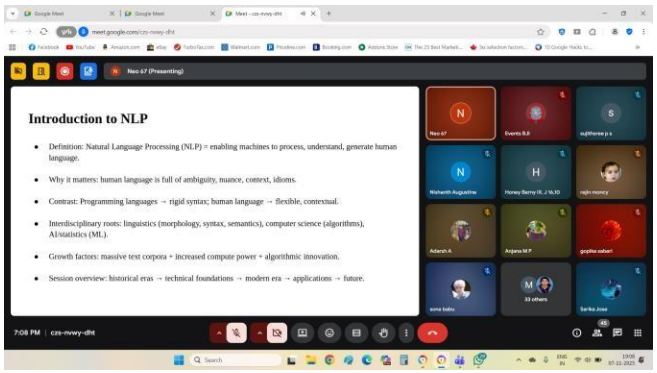
• Chatbots, translation, sentiment analysis
• Text summarization
• Speech recognition
• Healthcare automation
• Document classification

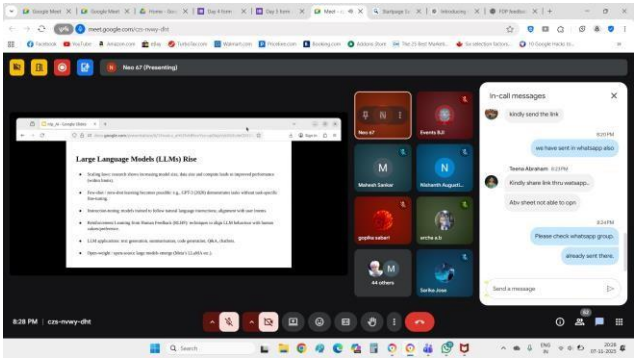
4. Key Takeaways

• NLP bridges the gap between humans and machines.
• Deep learning significantly improves understanding.
• Pretrained models reduce large data requirements.
• Huge career and research scope.

5. Conclusion

The session offered a comprehensive understanding of NLP and its transformative impact.





Date: Day 6- 8th November 2025

Time: 7:00 PM – 8:30 PM

Resource Person: *Dr. Resmi R, Associate Professor, Department of EEE, TKM College of Engineering.*

Session Topic: *Mastering AI usinf Reinforcement Learning*

Organized as part of: Online Faculty Development Programme (FDP)

1. Introduction

Dr. Resmi provided a comprehensive overview of how intelligent systems learn optimal behaviour through interactions with their environment. Reinforcement Learning is a key branch of Artificial Intelligence that has enabled breakthroughs in robotics, autonomous systems, gaming, and decision-making applications. The session aimed to help participants understand RL fundamentals, modern algorithms, and real-world applications.

Key Topics Covered

1. **Fundamentals of Reinforcement Learning**

The speaker explained RL using the agent-environment interaction cycle:

- Agent, Environment, State, Action, Reward
- Policy and value functions
- Exploration vs. Exploitation
- Markov Decision Process (MDP)

Clear examples were given, such as training an agent to navigate a maze or play a game by maximizing cumulative rewards.

2. **Popular Reinforcement Learning Algorithms**

The talk covered several foundational and advanced algorithms:

Q-Learning

- Model-free learning
- Maintaining Q-tables
- Updating values using Bellman equation

•***SARSA***

- On-policy learning approach
- Learning from current policy behavior

•***Deep Q-Networks (DQN)***

- Neural networks used to approximate Q-values
- Experience replay, target networks

Policy Gradient Methods

- Learning policies directly
- Algorithms like REINFORCE and Actor–Critic models

Advanced RL Techniques

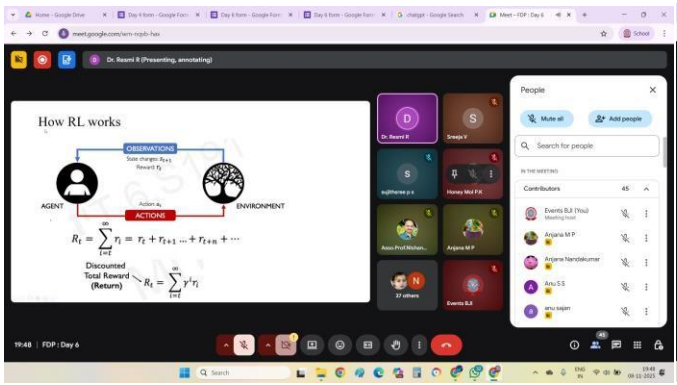
- Proximal Policy Optimization (PPO)
- Deep Deterministic Policy Gradient (DDPG)
- Soft Actor-Critic (SAC)

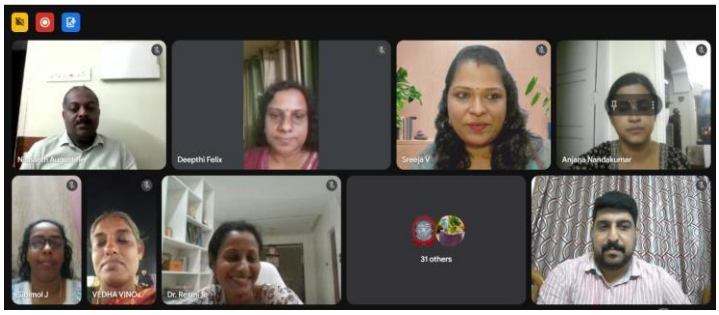
4. Key Takeaways

- RL is a powerful AI approach for solving complex sequential decision-making problems.
- Deep Reinforcement Learning enables intelligent systems to handle high-dimensional state spaces.
- Training RL models is computationally expensive but results in highly adaptable agents.
- RL has vast applications in robotics, healthcare, automation, and finance.
- Students can explore RL using Python, OpenAI Gym, PyTorch, and TensorFlow.

5. Conclusion

The talk successfully introduced participants to the world of Reinforcement Learning and its transformative impact on AI capabilities. The session motivated students and researchers to explore RL-based projects, showcasing its potential to shape the future of automation and intelligent decision-making.





Dean & HOD ECE

Dr. ANIL A.R.
Principal
Bishop Jerome Institute
Fatima College Road,
Kollam - 691001

BISHOP JEROME INSTITUTE
KOLLAM 1

Timestamp	Name	Institution Name	Were your expectations from the session met?	How would you rate your overall experience in this FDP?	How comfortable were you with the timing and duration of the FDP?	Suggestions, if any
11-8-2025 20:26:08	Neetha Merin Thor	St. Thomas Institute for	Yes	5	5	The session was very understandin
11-8-2025 20:26:13	Mary Sunitha	Mary Sunitha	Yes	5	5	Nil
11-8-2025 20:26:20	Jilu mariyam jose	Ihrd engineering college	Yes	4	4	
11-8-2025 20:26:20	Unnikrishnan P	SCMS SCHOOL ENGI	Yes	5	5	
11-8-2025 20:26:25	Nishanth Augustine	LBSITW, Poojappura	Yes	5	5	
11-8-2025 20:26:26	Arya S	College of Engineering	Yes	5	5	
11-8-2025 20:26:30	Retty George	SCMS SCHOOL OF EI	Yes	5	5	
11-8-2025 20:26:30	Betty Anna Biju	College of Engineering	Yes	4	4	
11-8-2025 20:26:30	MAYA C S	college of engineering I	Yes	5	5	
11-8-2025 20:26:34	Simi M S	Marian Engineering Co	Yes	5	5	
11-8-2025 20:26:41	Apsana S	Vidya academy of scier	Yes	3	3	
11-8-2025 20:26:51	Prasanth M	Ace college of enginee	Yes	5	5	
11-8-2025 20:27:10	priya p. nair	Ace college of enginee	Yes	5	5	Nil
11-8-2025 20:27:11	Sukanya Singh M	SCMS School of Engin	Yes	5	5	Good
11-8-2025 20:27:12	SAFEELA P	MGM TECHNOLOGIC/	Yes	4	4	
11-8-2025 20:27:20	Deepa B R	Rajadhani Institute of E	Yes	5	5	
11-8-2025 20:27:33	Betty Anna Biju	College of Engineering	Yes	4	4	
11-8-2025 20:27:37	DEEPA MARY VAI	TOC H INSTITUTE OF	Yes	5	5	Nil
11-8-2025 20:27:38	Neethu Susan Ale>	UKF COLLEGE OF EN	Yes	3	2	
11-8-2025 20:27:47	Sumanlal M S	Mahaguru Institute of T	Yes	5	5	
11-8-2025 20:28:00	Thahseen Thahir	JCT college of enginee	Yes	5	4	
11-8-2025 20:28:08	ANU M L	Trinity College of Engin	Yes	4	5	
11-8-2025 20:28:12	REJIN MONCY A	UKF college of Enginee	Yes	5	5	Nil
11-8-2025 20:28:21	Divya R	ACE College of Engine	Yes	5	5	nil
11-8-2025 20:28:42	Anjana M P	Bishop Jerome Institute	Yes	5	5	
11-8-2025 20:28:52	HONEY MOL P K	Vidya Academy of Scie	Yes	5	5	
11-8-2025 20:28:52	Sajitha P	ACE COLLEGE OF EN	Yes	1	1	NIL

11-8-2025 20:28:58	Dr. Joby George	Amal Jyothi College of	Yes	4	4	
11-8-2025 20:29:05	Neethu Mary Raju	Bishop Jerome Institute	Yes	5	5	
11-8-2025 20:29:05	priya p nair	Ace college of enginee	Yes	5	5	Nil
11-8-2025 20:29:09	REJIN MONCY A	UKF college of Enginee	Yes	5	5	Nil
11-8-2025 20:29:23	MAYA C S	COLLEGE OF ENGINE	Yes	5	5	
11-8-2025 20:29:26	PRAVIN ROSE T	Vidya Academy of Scie	Yes	5	5	Nil
11-8-2025 20:29:29	ARCHANA C R	Mgm technological can	Yes	5	5	
11-8-2025 20:29:30	Sharun. V	Panimalar Engineering	Yes	5	5	Good
11-8-2025 20:30:02	Gopika U K	SNGCE	Yes	5	5	Nil
11-8-2025 20:30:04	Dr. Reeba Rex S	UKF College Of Engine	Yes	5	5	Nil
11-8-2025 20:30:20	JIBI JOHN	Model Engineering Coll	Yes	5	5	
11-8-2025 20:30:23	ARCHANA C R	Mgm technological can	Yes	5	5	
11-8-2025 20:30:28	PRAVIN ROSE T	Vidya Academy of Scie	Yes	5	5	Nil
11-8-2025 20:30:34	VEDHA VINODHA	JCT College of Enginee	Yes	5	5	No comments
11-8-2025 20:31:13	Deepthi Felix is	Bishop Jerome Institute	Yes	5	5	
11-8-2025 20:31:21	Fathima Sherin M.I	MGM Technological Ca	Yes	3	3	No
11-8-2025 20:31:29	Sreejitha SG	Vidya Academy of Scie	Yes	5	5	
11-8-2025 20:32:47	Anu S S	UKF College of Engine	Yes	5	5	
11-8-2025 20:32:53	Annie Paul	TocH institute of scienc	Yes	5	5	
11-8-2025 20:33:08	Sabna I	KMCT INSTITUTE of E	Yes	4	3	
11-8-2025 20:34:46	ANJANA N	VAST TC	Yes	5	5	GOOD
11-8-2025 20:34:49	DEVIKA K P	Vidya Academy of Scie	Yes	5	4	Nil
11-8-2025 20:34:57	Sabna I	KMCT INSTITUTE of E	Yes	4	3	
11-8-2025 20:35:26	Saiqa Khan N	Presidency University	Yes	5	5	Excellent. Thank you
11-8-2025 20:36:01	Hema S Mahesh	Marian Engineering Co	Yes	4	4	No
11-8-2025 20:36:28	NISANTH KRISHN	TocH Institute of Scien	Yes	5	5	Nil
11-8-2025 20:36:31	Anju j s	ACE college of enginee	Yes	5	5	
11-8-2025 20:37:31	Delsy Jyothi	Presidency University E	Yes	5	4	
11-8-2025 20:37:53	Dr. NEETHU RAJ I	UKFCET	Yes	5	5	Nil
11-8-2025 20:37:55	Minnu Jayan C	Marian Engineering Co	Yes	4	4	
11-8-2025 20:38:03	Sabna M	Rajadhani Institute of E	Yes	5	1	Nothing
11-8-2025 20:38:25	Saiqa Khan N	Presidency University	Yes	5	5	Excellent, thanks for

11-8-2025 20:38:29	SHYNA NAZAR	VAST TC	Yes	5	5	
11-8-2025 20:38:36	Teena Abraham	Mar Baselios Institute o	Yes	5	5	
11-8-2025 20:38:45	Afrah mehar	College of eng karunag	Yes	3	3	
11-8-2025 20:39:12	Mahesh Sankar	BJI	Yes	4	4	
11-8-2025 20:39:20	Soju Ravi K	LBSITW	Yes	5	5	
11-8-2025 20:39:24	Minnu Jayan C	Marian Engineering Co	Yes	4	4	
11-8-2025 20:39:31	ASWATHY S ASH	VKCET	Yes	4	3	
11-8-2025 20:40:49	DR.REJITH.K.N	MES COLLEGE OF EN	Yes	5	5	
11-8-2025 20:40:54	SUJITHSREE P S	Bishop Jerome Institute	Yes	5	5	good presentation,
11-8-2025 20:43:00	Amitha S	Trinity college of engine	Yes	3	3	Good
11-8-2025 20:43:50	ASWATHY S R	TRINITY COLLEGE OF	Yes	4	4	Good
11-8-2025 20:44:29	Aswathy Devi T	LBS INSTITUTE OF TE	Yes	3	4	
11-8-2025 20:44:55	L.Sivathanu	College of Engineering	Yes	5	5	Good session
11-8-2025 20:46:29	Fathima Sherin M.I	MGM Technological Ca	Yes	4	3	Nil
11-8-2025 20:46:37	JESNA K A	College of engineering	Yes	5	5	
11-8-2025 20:50:27	ANUJA R MATHE\	St. Thomas college of E	Yes	5	5	Good session
11-8-2025 21:00:31	Grace Maickel@gr	BJI,KOLLAM	Yes	4	4	
11-8-2025 21:02:50	Nice Mathew	Viswajyothi College of E	Yes	5	5	
11-8-2025 21:06:02	Merene Joseph	Amal Jyothi College of	Yes	5	5	
11-8-2025 21:07:26	Nurul hidaya	Marian engineering coll	Yes	4	4	
11-8-2025 21:07:39	Geethu Raju	Bishop Jerome institute	Yes	5	5	
11-8-2025 21:12:33	PRAVEENA K	Nehru college of engine	Yes	1	1	No
11-8-2025 21:13:49	Arlin Maria Scaria	KMCTCEW	Yes	5	5	
11-8-2025 21:13:53	Dr. Asish B Mathev	Travancore Engineering	Yes	5	5	
11-8-2025 21:19:51	PRAMOD P	LBS COLLEGE OF EN	Yes	4	4	
11-8-2025 21:20:27	Lekshmy S	Vidya Academy of Scie	Yes	5	5	Nil
11-8-2025 21:25:08	Sameena M H	Baselios Mathews II Co	Yes	5	5	Good
11-8-2025 21:44:15	Chandu C B	Vidya Academy of Scie	Yes	3	3	
11-8-2025 21:58:39	Marvin Mark M	Musaliar college of eng	Yes	4	4	
11-8-2025 22:26:07	Sibimol J	Bishop Jerome Institute	Yes	5	5	
11-8-2025 22:37:07	Nimmy George	RIT, Kottayam	Yes	3	1	
11-8-2025 22:41:07	DEEPA V R	Sarabhai Institute of Sc	Yes	4	4	

11-8-2025 23:36:02	Anupama A	College of Engineering	Yes	5	5	
11-9-2025 8:05:26	Indu V Nair	UKF College of Engine	Yes	4	4	Nil
11-9-2025 8:06:57	Indu V Nair	UKF College of Engine	Yes	4	4	Nil
11-9-2025 8:49:06	Preetha sL	Marian Engineering col	Yes	3	4	
11-9-2025 10:26:13	Anooj Krishnan JR	ACE College of Engine	Yes	5	5	
11-9-2025 19:44:43	Apsana S	Vidya academy of scier	Yes	3	3	
11-9-2025 23:30:01	SHAFEENA S	College of Engineering	Yes	5	5	
11-10-2025 6:46:45	Princy Sera Rajan	Baselios Mathews II Cc	Yes	5	5	Good