



PRAGATI ENGINEERING COLLEGE

(AUTONOMOUS)

41-378 ADB Road, Surampalem - 533 437, Near Poddapuram, Kakinada Dist., A.P.
(Approved by AICTE. Permanently Affiliated to JNTUK Kakinada & Accredited by NAAC with A+ Grade)
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Ph: 08852 - 252233, 252234, 252235 Fax: 08852 - 252232, website www.pragati.ac.in

Date: 29-05-2025

Notice

It is here by informed to all Faculty members of the institution, that Department of Mechanical engineering is organizing Online Five-Day "Faculty Development Programme" on "Machine Learning in Engineering Applications" from 04-06-2025 to 08-06-2025 and time 06:00 PM to 08:00 PM link will be shared after registration of participant.


CONVENER


HOD - ME


Copy to: 1) Chairman Sir
2) Principal, Vice President & Director Academics for kind information
3) All HOD's
4) Staff member concerned
5) Office file



PRAGATI ENGINEERING COLLEGE

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ADB Road, Surampalem-533437

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DEPARTMENT OF MECHANICAL ENGINEERING

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Mr. M. V. Haranatha Babu	Director (Management)
Mr. M. Satish	Vice-President

Patrons:

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Mr. G. Avinash	HoD - ME

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Mr. M. Radhika Mani	Dean - CDP
Mr. Y. Jayababu	Controller of Examinations
Mr. K. Saroja Rani	HoD - CE
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Mr. D.V. Manjula	HoD - CSE
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Mr. A. Radha Krishna	HoD - CSE (AIML)
Mr. M. V. Rajesh	HoD - CSE (DS)
Mr. K. Lakshmi Viveka	HoD - CSE (AI)
Mr. T. Ganga Bhavani	HoD - CSE (CS)
Mr. P. R. S. Phaneendra	HoD - BS&H

DP Convener:

Mr. P. Vinod Kumar Naidu, Assistant Professor

Coordinator:

Mr. Sunil Raj, Associate Professor

Organising Committee:

Mr. K. Aravinda, Assistant Professor
Mr. P. Gayathri, Assistant Professor
Mr. A. Phani Bhaskar, Assistant Professor
Mr. V. V. N. Sarath, Assistant Professor
Mr. N. Raghuveer, Assistant Professor
Mr. A. Yeswanth, Assistant Professor
Mr. P. Ram Prasad, Assistant Professor
Mr. B. Hari Krishna, Assistant Professor
Mr. K. Tulasi, Assistant Professor
Mr. B. Bharath Kumar, Assistant Professor

To
The Principal/ Head of the Department

Subject: Invitation to the Online Five Day Faculty Development Program on "*Machine Learning in Engineering Applications*" - 4th to 8th June 2025-Reg.

Respected Sir/Madam,

Greetings from the Department of Mechanical Engineering

We are pleased to inform you that the Department of Mechanical Engineering is organising a Five Day Faculty Development Program on "*Machine Learning in Engineering Applications*" scheduled from 4th to 8th June 2025.

This FDP aim to provide insights into the integration of machine learning across various engineering disciplines. The program will focus on practical and research oriented topics including application in Agriculture, Structural engineering, Composite structures, and Effective image compression.

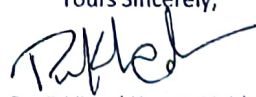
The sessions are designed to benefit faculty from various the departments, with lectures delivered by leading experts from both academia and industry.

The brochure for the FDP is enclosed herewith. We kindly request you to circulate it among your faculty members and encourage their participation in this enriching academic initiative.

We look forward to your kind support and enthusiastic response.

Thanking you and regards,

Yours Sincerely,


Dr. P. Vinod Kumar Naidu,
Convener



Eligibility:

- ❖ Faculty Members of AICTE Approved Institutions.

Registration and Fee Particulars:

- ❖ Open the registration link and Furnish your details

<https://forms.gle/UUtaoVzHKqj4Co6h8>

- ❖ Payment (Via number)
 - Payment Number - 9989798969
 - Name - MUSINADA SUNIL RAJ
- ❖ Payment (Via QR Code)



- ❖ Pay ₹100/- per Participant as a part of Registration, upload screenshot of payment, submit the form. Join WhatsApp group (only after submitting the form).

Important Dates:

Last Date for Registration: 03/06/2025
Dates of FDP: 04/06/2025 to 08/06/2025
Time: 6pm to 8pm

Certificate Criteria:

- ❖ Minimum Attendance needed: 80%
- ❖ All eligible faculties will be issued e-certificates.

For more details, contact:

Dr. P Vinod Kumar Naidu (Convener)
Mobile: +91-8143662752
Mr. M Sunil raj (Coordinator)
Mobile: +91-9989798969

Chief Patrons

Dr. Paruchuri Krishna Rao Chairman
Sri M V Haranatha Babu Director (Management)
Sri M Satish Vice-President

Patrons

Dr. G Naresh Principal
Dr. K Satyanarayana Director (Academics)
Dr. G Avinash HoD-ME

Convener

Dr. P Vinod Kumar Naidu Assistant Professor, ME

Coordinator

Mr. M Sunil raj Associate Professor, ME

Organizing Committee

Mrs. K Aravinda, Assistant Professor, ME
Mrs. P Gayathri, Assistant Professor, ME
Mr. A Phani Bhaskar, Assistant Professor, ME
Mr. V V N Sarath, Assistant Professor, ME
Mr. N Raghuveer, Assistant Professor, ME
Mr. A Yeswanth, Assistant Professor, ME
Mr. P Ram Prasad, Assistant Professor, ME
Mr. B Hari Krishna, Assistant Professor, ME
Mr. K Tulasi, Assistant Professor, ME
Mr. B Bharath Kumar, Assistant Professor, ME

Resource Persons

Eminent Person from reputed Universities and MNC's and startups

Five Day Online

FACULTY DEVELOPMENT PROGRAM

on

Machine Learning in Engineering
Applications
(4th -8th June 2025)

Organized by
Department
of
Mechanical Engineering



PRAGATI ENGINEERING COLLEGE

(Autonomous)

Accredited by NAAC (A+ Grade),
Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada
ADB Road, Surampalem, Kakinada (Dt),
Andhra Pradesh-533437

About the Institute:

PRAGATI ENGINEERING COLLEGE focuses on imparting skills on cutting - edge technologies and shaping the students into disciplined young citizens of good character and lays emphasis on practical experience to enable them to secure employment in industry thereby to become entrepreneurs. The courses are so structured which leads to a linear growth and progressive insight into the engineering subjects as well as training in soft skills since inception in 2001.



About the Department:

The Department of Mechanical Engineering at Pragati Engineering College was established in 2004, with a focus on providing quality education, hands-on training, and research in core mechanical engineering domains. It offers a B.Tech program with an intake of 60 students and a Master's program in CAD/CAM with an intake of 18 students. The department is recognized as a Research Centre by JNTUK, enabling advanced research opportunities.

About the FDP:

The Faculty Development Program (FDP) on "Machine Learning in Engineering Applications" provides a structured and interdisciplinary overview of core ML techniques and their role in solving real-world challenges across diverse engineering domains. This program is designed to empower faculty with the knowledge and practical insights required to integrate ML into academic and research settings, particularly in areas where traditional engineering approaches are evolving through intelligent automation.

The FDP begins with foundational concepts in machine learning and progresses into specialized applications. These include image-based ML techniques and models for agricultural diagnostics, analyzing fracture behaviour in composite materials, and predictive approaches to assessing concrete corrosion in civil infrastructures. Each session emphasizes hands-on learning and showcases how ML can be effectively employed in various Engineering and Science fields

Participants will gain both theoretical knowledge and practical exposure to applying ML algorithms in real-world scenarios and equipped to initiate interdisciplinary research and curriculum development that bridges machine learning with engineering innovations.

Objectives of the FDP:

- ❖ Introduce ML concepts and explore their applications in engineering.
- ❖ Bridge ML with core engineering disciplines.
- ❖ Promote the integration of ML in teaching and research.
- ❖ Encourage interdisciplinary research and innovation initiatives

Topics to be covered:

- ❖ Machine Learning: Fundamentals and Applications.
- ❖ Machine Learning and It's applications to Agriculture.
- ❖ Harnessing ML for Efficient Image Compression in Engineering Applications.
- ❖ Application of ML to classify the corrosion severity in concrete structures.
- ❖ ML based inverse framework for predicting transverse and shear modulus of carbon fiber.

Learning Outcomes:

- ❖ Enhanced understanding of AI-driven signal processing methods.
- ❖ Hands-on skills in applying ML to real-world scenarios.
- ❖ Ability to initiate interdisciplinary research bridges ML with engineering innovation



*Scan this QR to fill the Registration form.

*Payment can be done in during registration itself.



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DEPARTMENT OF MECHANICAL ENGINEERING

Dear Participants,

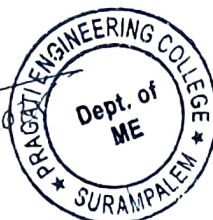
Greetings from the Department of Mechanical Engineering!

We are delighted to welcome you to the Five day Faculty Development Program (FDP) on “**Machine learning in Engineering Applications**” organized by our department, scheduled from 4th to 8th June 2025. The sessions will be conducted by esteemed speakers from reputed institutions and industries. These sessions will cover a wide range of technical topics relevant to academics and research.

PROGRAM SCHEDULE

	Name of the Resource Person	Title of the Talk
Day 1 (04/05/2025)	Mr. Arun Kumar Sivapuram, Assistant Professor, SRM AP	Machine Learning: Fundamentals and Applications.
Day 2 (05/05/2025)	Dr. Mayakuntla Prasanna Kumar, Assistant Professor (Ad-Hoc), NIT AP	Application of ML to Classify the Corrosion Severity in Concrete Structures.
Day 3 (06/05/2025)	Dr. Vamshi Vijay Krishna J Assistant Professor, SRM AP	Harnessing ML for Efficient Image Compression in Engineering Applications.
Day 4 (07/05/2025)	Mr. Komuravelli Prashanth, Lead Machine Learning Engineer, Autoalign.ai	Machine Learning and its Applications to Agriculture.
Day 5 (08/05/2025)	Mr. Divakar Raju P V, Associate Engineer -E Flight structures, Agnikul Cosmos Pvt Ltd	ML Based Inverse Framework for Predicting Transverse and Shear Modulus of Carbon Fiber.


P Vinod Kumar Naidu
Convenor, FDP
Mechanical Engineering Department





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Date: 10-06-2025

**Report
on
Five Day Online FACULTY DEVELOPMENT PROGRAM on
“Machine Learning in Engineering Applications” from
04-06-2025 to 08-06-2025**

Time: 06:00 PM to 08:00 PM

Total number of Participants: 112

Objectives of the FDP:

- ❖ Introduce ML concepts and explore their applications in engineering.
- ❖ Bridge ML with core engineering disciplines.
- ❖ Promote the integration of ML in teaching and research.
- ❖ Encourage interdisciplinary research and innovation initiatives

Topics covered:

- ❖ Machine Learning: Fundamentals and Applications.
- ❖ Machine Learning and Its applications to Agriculture.
- ❖ Harnessing ML for Efficient Image Compression in Engineering Applications.
- ❖ Application of ML to classify the corrosion severity in concrete structures.
- ❖ ML based inverse framework for predicting transverse and shear modulus of carbon fiber.



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Day 1 (04-06-2025) – Introduction to Machine Learning and Its Applications in Engineering

Speaker: Dr. Arun Kumar Sivapuram

Designation: Assistant Professor, Department of Computer Science and Engineering, SRM University, Andhra Pradesh

Bio: Dr. Sivapuram holds a Ph.D. and Master's in Electrical Engineering from IIT Tirupati, with expertise in digital image processing, machine learning, computer vision, and deep learning.

Concepts Covered:

- Overview of machine learning fundamentals: supervised, unsupervised, and reinforcement learning.
- Typical ML workflow: data preprocessing, model training, evaluation.
- Application examples: defect detection, predictive maintenance, structural monitoring, and engineering process optimization.

Summary:

The first day provided a comprehensive introduction to the fundamentals of machine learning (ML), with a focus on its relevance to modern engineering problems. Participants gained insights into the basic principles of ML, including supervised, unsupervised, Semi-supervised, and reinforcement learning techniques. The session covered the end-to-end ML workflow from data preprocessing and feature engineering to model building and evaluation. Day summary highlights included Features and labels, Datasets (training, validation, test sets), Regression, Classification, Clustering. The session laid a solid foundation for the more advanced and specialized topics that followed during the week.

Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NTBkNWQxMzMtZWVIZC00NGEwLTkwMzItMGFjYmIxMGE5MTky%40thread.v2/0?context=%7b%22Tid%22%3a%22377383c2-3be0-4e01-b2c8-8526d5e58adb%22%2c%22Oid%22%3a%2274a93f51-3ea9-4fc6-86c0-0a1b1904d6e8%22%7d

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Day 2 (05-06-2025) – Machine Learning for Corrosion Severity Classification in Concrete Structures

Speaker: Dr. Mayakuntla Prasanna Kumar

Designation: Assistant Professor, NIT Andhra Pradesh

Bio: Dr. Prasanna Kumar completed his Ph.D. at IIT Tirupati in Civil Engineering, focusing on non-destructive testing (NDT) of concrete structures. His expertise includes elasticity theory, finite element methods, ML applications, and signal/image processing for civil engineering.

Concepts Covered:

- Integration of ML in NDT-based corrosion assessment.
- Data collection, feature engineering, model development.
- Case studies on classification of corrosion severity.
- Role of ML in improving inspection accuracy and maintenance planning.

On the second day, the focus shifted to the integration of machine learning in civil engineering. The speaker detailed how ML techniques can be applied to classify corrosion severity levels in concrete structures using non-destructive testing (NDT) data. The session included discussions on data acquisition from NDT methods, feature extraction, model training, and validation strategies for corrosion assessment. Participants explored case studies illustrating how machine learning enhances accuracy, reduces inspection time, and supports proactive maintenance planning in infrastructure management.

Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NTBkNWQxMzMtZWVIZC00NGEwLTkwMzItMGFjYmIxMGE5MTky%40thread.v2/0?context=%7b%22Tid%22%3a%22377383c2-3be0-4e01-b2c8-8526d5e58adb%22%2c%22Oid%22%3a%2274a93f51-3ea9-4fc6-86c0-0a1b1904d6e8%22%7d



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The screenshot shows a Zoom meeting in progress. The main window displays a grid of video feeds for participants: VK, DR, MC, NR, BK, GR, DR, MC, S, NR, and KH. On the right side, there is a 'Participants' list with names and status icons. At the bottom, there is a toolbar with various controls like mute, video, chat, and a 'Leave' button. The status bar at the very bottom indicates the time as 18:05 on 05-06-2025.

This screenshot is similar to the one above, showing the same Zoom meeting interface with participants in a grid and a list on the right. The status bar at the bottom shows the time as 18:05 on 05-06-2025.

Faculty Development Programme – June 2025

Application of Machine Learning Techniques to Classify the Corrosion Severity in Concrete Structures

Dr. M. Prasanna Kumar

NIT Andhra Pradesh



Department of Civil & Environmental Engineering

This screenshot shows the Zoom meeting interface with participants in a grid and a list on the right. The status bar at the bottom shows the time as 18:05 on 05-06-2025.



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Day 3 (06-06-2025) – Harnessing Machine Learning for Efficient Image Compression in Engineering Applications

Speaker: Mr. Vamshi Vijay Krishna Jeripotula

Designation: Assistant Professor, Department of Computer Science and Engineering, SRM University, Andhra Pradesh

Bio: Mr. Vamshi's research focuses on reinforcement learning for 5G mm Wave D2D networks. He has over 10 years of teaching experience and is passionate about ML, DL, and RL in automation.

Concepts Covered:

- ML-driven approaches for image compression (autoencoders, PCA, RL-based techniques).
- Balancing compression and image fidelity in engineering use cases.
- Applications in remote sensing, industrial inspection, and medical imaging.

Day three explored the use of machine learning for addressing challenges in image compression within engineering fields. The session covered ML-driven approaches for reducing image data size while preserving critical information required for analysis in applications like remote sensing, medical imaging, and industrial inspections. Topics included the use of autoencoders, principal component analysis, and reinforcement learning for adaptive compression strategies. The talk emphasized practical techniques for balancing compression efficiency with image fidelity, especially in resource-constrained environments.

Link:

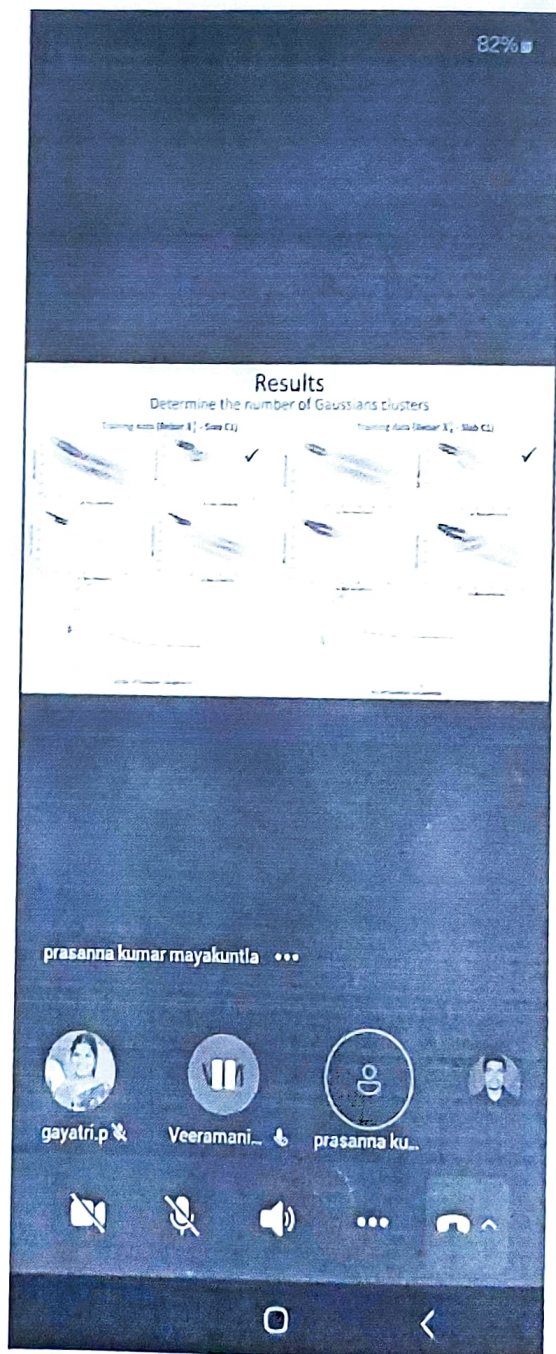
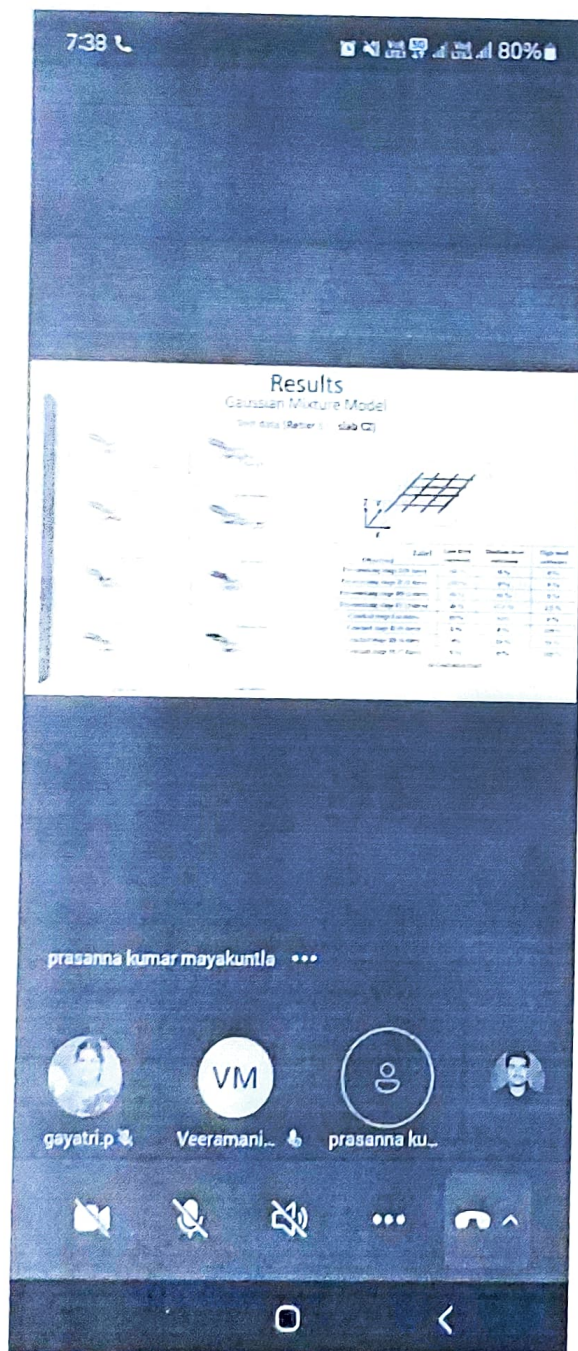
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Day 4 (07-06-2025) – Machine Learning and Its Applications in Agriculture

Speaker: Mr. Komuravelli Prashanth

Designation: Lead Machine Learning Engineer, Autoalign.ai (Formerly Armilla.ai)

Bio: Mr. Prashanth completed his M.S. (Research) at IIT Tirupati on machine learning for document analysis. His interests span ML for computer vision, NLP, bias and fairness in AI, and ethical ML practices.

Concepts Covered:

- Precision agriculture using ML: crop health monitoring, yield prediction, pest detection.
- Integration of drone/satellite imagery, sensor data, and ML models.
- Sustainable and data-driven farming practices.

The fourth day highlighted the transformative role of machine learning in agricultural engineering. The speaker shared insights on how ML is being leveraged to address pressing challenges in agriculture, including crop health monitoring, yield prediction, pest detection, and precision farming. The session discussed supervised and unsupervised models applied to satellite and drone imagery, sensor data, and weather information. Participants gained an appreciation for how ML supports sustainable farming practices, improves productivity, and reduces environmental impact.

Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NTBkNWQxMzMtZWVlZC00NGEwLTkwMzItMGFjYmIxMGE5MTky%40thread.v2/0?context=%7b%22Tid%22%3a%22377383c2-3be0-4e01-b2c8-8526d5e58adb%22%2c%22Oid%22%3a%2274a93f51-3ea9-4fc6-86c0-0a1b1904d6e8%22%7d



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The screenshot shows a Zoom meeting window. The main content area displays a presentation slide titled "Disease detection in crop leaves using deep learning". The slide content is partially visible, showing a list of steps or components. On the right side of the Zoom window, there is a vertical list of participant avatars, each with a circular icon containing a letter or number. The participants listed from top to bottom are: TK, DN, MC, NR, SA, 2, VK, AG, CR, and DR. The top of the Zoom window shows the title bar and various control icons.

The screenshot shows a Zoom meeting window. The main content area displays a presentation slide titled "CNN for Crop Disease Classification". The slide content includes an "Example Pipeline:" section with three sub-sections: "Data collection:", "Model:", and "Prediction:". Each sub-section has a list of bullet points. On the right side of the Zoom window, there is a vertical list of participant avatars, each with a circular icon containing a letter or number. The participants listed from top to bottom are: K, SK, SS, CG, BK, KU, PN, 2, PR, SG, and UN. The top of the Zoom window shows the title bar and various control icons.

CNN for Crop Disease Classification

Example Pipeline:

- Data collection:**
 - Labeled images of crop leaves (Healthy / Diseased classes)
 - Sources: PlantVillage dataset, field collection
- Model:**
 - CNN architecture (e.g. ResNet, MobileNet)
 - Train with labeled images
- Prediction:**
 - Input new leaf image → classify disease
 - Output: Disease class + confidence score



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Day 5 (08-06-2025) – Machine Learning-Based Inverse Framework for Predicting Properties of Carbon Fiber Composites

Speaker: Mr. Divakar Raju P. V

Designation: Associate Engineer – Flight Structures, Agnikul Cosmos Pvt. Ltd.

Bio: Mr. Divakar holds a Ph.D. in Mechanical Engineering from IIT Tirupati. His expertise includes composite design, finite element analysis, and ML applications for aerospace structures.

Concepts Covered:

- ML-based inverse modeling for predicting transverse and shear modulus.
- Use of regression models, PCA, and validation techniques.
- Applications in optimizing composite panels for space vehicles.

The final day focused on a cutting-edge application of ML in the aerospace and materials engineering domain. The session presented an inverse framework powered by machine learning for predicting the transverse and shear modulus of carbon fiber composites. The speaker explained how simulation data, combined with ML models, can replace expensive and time-consuming experimental characterization. The discussion covered the use of regression models, principal component analysis, and model validation techniques, showcasing how ML contributes to designing efficient and lightweight structures for space applications.

Link:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NTBkNWQxMzMtZWVlZC00NGEwLTkwMzItMGFjYmIxMGE5MTky%40thread.v2/0?context=%7b%22Tid%22%3a%22377383c2-3be0-4e01-b2c8-8526d5e58adb%22%2c%22Oid%22%3a%2274a93f51-3ea9-4fc6-86c0-0a1b1904d6e8%22%7d



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Zoom Meeting: Introduction to Carbon Fiber Properties

Participants: Divakar (Unverified), P VINOD K., Anandh C., Homas..., M VIN..., Satish..., SP

Recording has started

Started by you. Let everyone know they're being recorded. Privacy policy

Introduction to Carbon Fiber Properties

Appendix B Examples

Carbon fiber

Transversely isotropic

$E_{11}, E_{22}, \nu_{12}, \nu_{21}, G_{12}$

Participants list:

- Yashwanth A (Unverified)
- Anandh Cadimella (Unverified)
- Divakar (Unverified)
- guyathp (Unverified)
- P VINOD KUMAR Naidu (Unverified)
- B I Iyer (Unverified)
- B Sri Kalyan
- BOODU APPARAO (Unverified)
- Dr K Saroja Rani
- Hari Prasad R (Unverified)

Zoom Meeting: A Machine Learning Framework for Predicting the Elastic Properties of Fiber Reinforced Composites

Participants: Divakar (Unverified), AG, MC, SP, DR, BK, TS, KP, SR, VM, PG, VM

A Machine Learning Framework for Predicting the Elastic Properties of Fiber Reinforced Composites

Generation of Synthetic Microstructures (Viper)

Extraction of Microstructure Image

Finite Element Simulations (Abaqus)

Converting to Binary images

Two-Point Correlation

Principal Component Analysis

Inputs • ANN • Outputs

Appendix B Examples

Appendix A Introduction Preview



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Summary of the FDP

The **Five-Day Faculty Development Program (FDP)** successfully provided participants with a rich, cross-disciplinary learning experience on the role of machine learning in reshaping various engineering disciplines. Each session offered in-depth insights into how ML frameworks can address complex challenges, from civil infrastructure health monitoring and composite material characterization to precision agriculture and advanced image compression.

Participants gained exposure to both foundational concepts and cutting-edge research, as well as industrial applications. The diverse expertise of the speakers helped bridge the gap between theory and practice, sparking new research ideas, encouraging collaboration, and equipping attendees with the knowledge to apply ML techniques effectively in their respective fields.

We extend our sincere thanks to all the speakers and participants for their enthusiastic contributions, which made this FDP a resounding success.


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HOD – MECH



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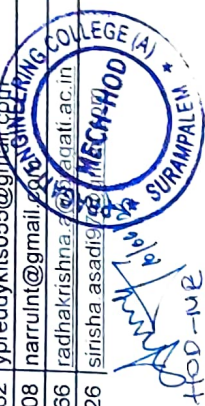
DEPARTMENT OF MECHANICAL ENGINEERING

Five day FDP on Machine Learning and its Engineering Applications Registration list

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Reviewed 10/6/2025
Convenor

10/6/2025
Co-Secretary



Pragati Engineering College (Autonomous)

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CERTIFICATE OF PARTICIPATION

*This is to certify that **Dr. AVINASH GUDIMETLA**, of **PRAGATI ENGINEERING COLLEGE** has successfully participated in *Five-day Online FDP on **Machine Learning in Engineering Applications**, Organized by Department of Mechanical Engineering, Pragati Engineering College (Autonomous) from 04th to 08th June, 2025.**


Dr. G Naresh
Principal


Dr. G Avinash
HoD-ME


Dr. P Vinod Kumar Naidu
Convenor


M Sunil Raj
Coordinator



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CERTIFICATE OF PARTICIPATION

*This is to certify that Dr. Ram Babu Dara, of Aditya University has successfully participated in Five-day Online FDP on **Machine Learning in Engineering Applications**, Organized by Department of Mechanical Engineering, Pragati Engineering College (Autonomous) from 04th to 08th June, 2025.*


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Principal


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Dr. P Vinod Kumar Naidu
Convenor


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PEC_ME_2025_Feedback form for 5 Day FDP on Machine learning and its Engineering Applications

NOTE : Mail ID and Phone number should be same during the registration only Please.

The respondent's email (veera.thermal@gmail.com) was recorded on submission of this form.

Salutation *

Dropdown

Dr

Full Name *

Certificate will be generated as per the name mentioned here

M Veeramanikandan

Department *

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ME

College Name *

SRM Institute of Science and Technology (Ramapuram Campus)

Email ID *

Must be same as you have used during Registration.

veera.thermal@gmail.com

Phone Number *

Must be same as you have used during Registration.

7904067176

Day - 1 Feedback (04-06-2025)

Resource Person:

Mr. Arun Kumar Sivapuram,
Assistant Professor, SRM AP

Topic : Machine Learning: Fundamentals and Applications

Were the topics covered in sufficient depth? *

	1	2	3	4	5	
Poor	☐	☐	☐	☒	☐	Excellent

How effective were the resource persons/facilitators in delivering the sessions? *

	1	2	3	4	5	
Ineffective	☐	☐	☐	☐	☒	Highly effective

Suggestions (If any)

Good

PEC_ME_2025_Feedback (03-06-2025)

Resource Person : Dr. Mayakuntla Prasanna Kumar,
Assistant Professor (Ad-Hoc), NIT AP

Topic: Application of ML to Classify the Corrosion Severity in Concrete Structures

Were the topics covered in sufficient depth? *

	1	2	3	4	5	
Poor	☐	☐	☐	☐	☒	Excellent

How effective were the resource persons/facilitators in delivering the sessions? *

	1	2	3	4	5	
Ineffective	☐	☐	☐	☒	☐	Highly effective

Suggestions (If any)

Useful

PEC_ME_2025_Feedback (03-06-2025)

Resource Person: Dr. Vamshi Vijay Krishna J
Assistant Professor, SRM AP

Topic: Harnessing ML for Efficient Image Compression in Engineering Applications

Were the topics covered in sufficient depth? *

	1	2	3	4	5	
Poor	☐	☐	☐	☒	☐	Excellent

How effective were the resource persons/facilitators in delivering the sessions? *

	1	2	3	4	5	
Ineffective	☐	☐	☐	☐	☒	Highly effective

Suggestions (If any)

Nice

Day - 4 Feedback (07-06-2025)

Resource Person: Mr. Komuravelli Prashanth,
Lead Machine Learning Engineer, Autoalign.ai

Topic: Machine Learning and its Applications to Agriculture

Were the topics covered in sufficient depth? *

	1	2	3	4	5	
Poor	☐	☐	☐	☐	☒	Excellent

How effective were the resource persons/facilitators in delivering the sessions? *

	1	2	3	4	5	
Ineffective	☐	☐	☐	☒	☐	Highly effective

Suggestions (If any)

Excellent

PEC - Feedback (08-06-2025)

Resource Person: Mr. Divakar Raju P V,

Associate Engineer -E Flight structures, Agnikul Cosmos Pvt Ltd

Topic: ML Based Inverse Framework for Predicting Transverse and Shear Modulus of Carbon Fiber

Were the topics covered in sufficient depth? *

	1	2	3	4	5	
Poor	☐	☐	☐	☐	☒	Excellent

How effective were the resource persons/facilitators in delivering the sessions? *

	1	2	3	4	5	
Ineffective	☐	☐	☐	☒	☐	Highly effective

Suggestions (If any)

Good

Overall Feedback - 5 Days of the FDP

Audio Quality *

	1	2	3	4	5	
Poor	☐	☐	☐	☐	☒	Excellent

Video Quality *

	1	2	3	4	5	
Poor	☐	☐	☐	☐	☒	Excellent

Overall rating of the FDP *

1-Poor and 5- Best

1	2	3	4	5
☐	☐	☐	☐	☐

What are the Suggestions you need to share for future FDP's *

Excellent Program

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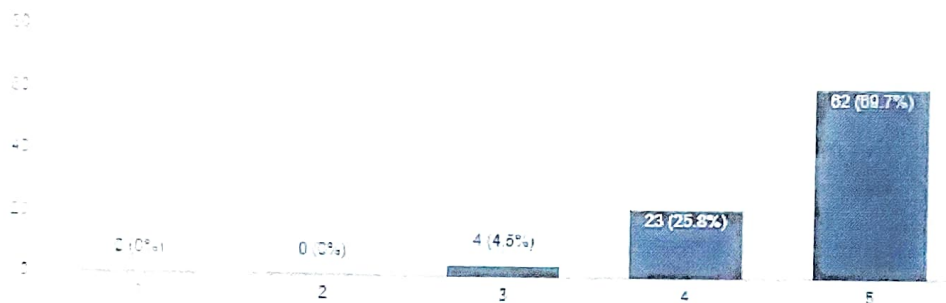
FEEDBACK DETAILS

Overall Feedback - 5 Days of the FDP

Audio Quality

52 responses

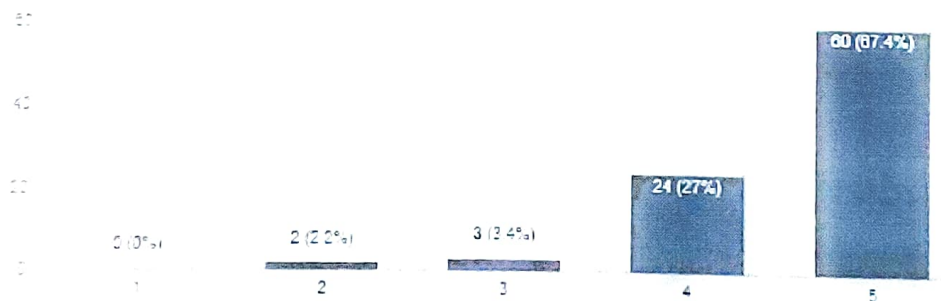
Copy chart



Video Quality

52 responses

Copy chart





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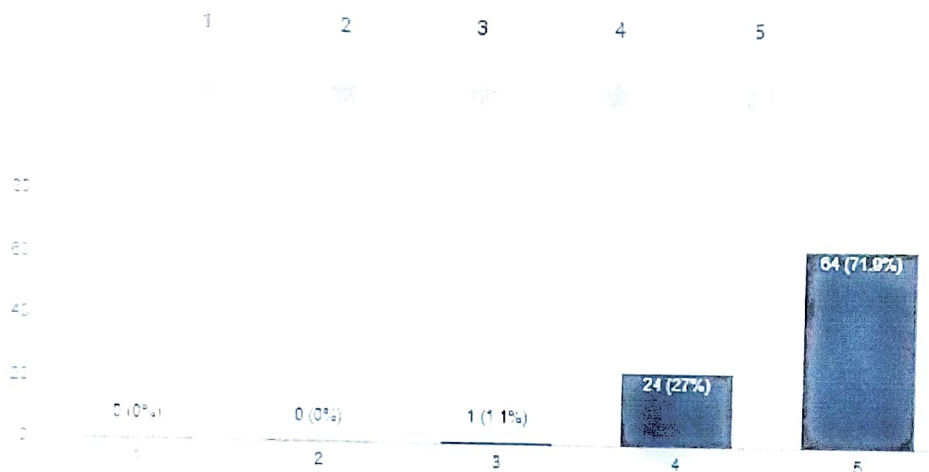
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Overall rating of the FDP

89 responses

Copy chart

Average rating (4.71)



What are the Suggestions you need to share for future FDP's

89 responses

Taking time to connect sometimes.

Satisfactory

Nice session

Any FDP related to practical application which was useful for jobs

Timings

Excellent Program

Tanq pragathi college of engineering Hope you will conduct more FDP sessions like this

Over all good

COORDINATOR
10/6/2015

CONVENER
10/6/2015

HOD – MECH
10/06/2015