



Bhoj Reddy Engineering College for Women

(Sponsored by Sangam Laxmibai Vidyapeet, Accredited by NAAC with A Grade, Approved by AICTE and Affiliated to JNTUH)
Vinaynagar, IS Sadan Crossroads, Saidabad, Hyderabad – 500 059, Telangana. www.brecw.ac.in



24 November 2024

Report of Guest Lecture on “**Machine Learning Fundamentals: A Gateway to AI Innovation**”
for II & III BTech ECE students on 20 November 2024

The ECE Department has organized a Guest Lecture on “Machine Learning Fundamentals: A Gateway to AI Innovation” for II & III BTech ECE students on 20 November 2024, Guest Lecture was scheduled from 10:30 to 12:30 Hrs

Inaugural function was attended by the Speaker Dr. L. NIRMALA DEVI, Professor of Electronics and Communication Engineering University College of Engineering, Osmania University, HOD Mrs S Manjula , Workshop in-charge Mrs. K Virija , ECE staff , II and III year ECE students. The venue was Indoor Auditorium, Ramdev Block.

Speaker:



Dr. L. NIRMALA DEVI,
IEEE, FIEI, FIETE
Professor of Electronics and Communication Engineering
University College of Engineering, Osmania University

She has teaching experience of more than 23 Years in subjects like, Signals and Systems, Digital Signal Processing, Adaptive Signal Processing, Neural Networks, AI/ML, IOT and Wireless Communications, Wireless Sensor Network, Data and Computer Communications, Analog Communication, Digital Communication, and Research Methodology for Engineering. Her research interests include Ad-hoc networks, wireless communication, wireless sensor networks, IoT and Signal Processing Machine Learning and AI. She has completed various research projects sponsored by, Ministry of Electronics and Information Technology (MeiTY), Government of India, New Delhi, Department of Science & Technology (DST) and UGC, Telangana State Council of Science and Technology(TSCOST). Currently she is working on a research project in collaboration with Technology Innovation Hub(TIHAN), IIT Hyderabad

Invitation:



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Telephone: 040-2453 1725 / 7282; Email: principal@brecw.ac.in; Website: www.brecw.ac.in



College Code(32)

Ref. No. BRECW/PO/Guest Lecture/ECE/AY2024-25/218

Dated: 18.11.2024

Dr J Madhavan
Professor and Principal

Phone (O): +91-40-24531719
Phone (M): +91-9490116667
E-mail: principal.brecw32@gmail.com

To

Dr L Nirmala Devi,
IEEE, FIEI, FIETE,
Professor of Electronics and Communication Engineering,
University College of Engineering,
Osmania University,
Hyderabad, Telangana – 500 007.

Dear Madam,

Sub: Invitation to present a Guest Lecture on “**Machine Learning Fundamental Gateway to AI Innovation**” -Reg.

Ours is a technical institute established during the year 1997 exclusively for women for imparting quality education in various B Tech degree courses in Engineering. This College is sponsored and managed by Sangam Laxmibai Vidyapeet, a voluntary social action group working for empowerment of women since 1952. Our college is recognized by Govt. of TS, accredited by NAAC with A Grade approved by AICTE and affiliated to JNTUH.

I cordially invite you to present a Guest Lecture on “**Machine Learning Fundamentals: A Gateway to AI Innovation**” for II and III ECE Students on 20 November 2024 from 10:30 Hrs to 12:30 Hrs at Indoor Auditorium, Ramdev Block in our campus. As a distinguished expert in the field, your insights and knowledge would be invaluable to our students. Your lecture will significantly deepen their understanding on Innovations in AI and their real-world applications in the industry. Out of your hectic schedule, kindly make it convenient to enlighten our students.

With warm regards,


(Dr J Madhavan)
PRINCIPAL
Bhoj Reddy Engineering College for Women
Vinaynagar, Santoshnagar Crossroads,
Hyderabad-500 059, Telangana.



Sangam Laxmibai Vidyapeet is an educational society for promotion of education among girls and women.

Circular:



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File No: BRECW/PO/ ECE/Guest Lecture/AY 24-25/219 Date: 19/11/2024

Circular

All the II and III B Tech ECE Students are hereby informed that ECE department is conducting a guest lecture on **"Machine Learning Fundamental: A Gateway to AI Innovation"** which is scheduled from 10:30 to 12:30 Hrs on 20 November 2024.

The details of guest lecture are as follows:

S No	Class	Date and Time (Hrs)	Speaker	Venue
1	II and III B Tech ECE	20 November 2024 10:30 to 12:30 Hrs	Dr L. Nirmala Devi, IEEE, FIEI, FIETE, Professor of Electronics and Communication Engineering, University College of Engineering, Osmania University.	Indoor Auditorium Ramdev Block

All the students must attend the guest lecture without fail.

Note:

- 1) The faculty who are handling II and III B Tech ECE should mark the attendance as per the timetable.
- 2) All the ECE teaching and non-teaching faculty who do not have class work are requested to attend the guest lecture.


Principal

To

All HODs/ HOFs for circulation among the students and staff members.

Copy to:

1. Chief Operating Officer, SLV
2. Director–HR& Academics, SLV
3. Vice Principal, BRECW
4. Maintenance Officer, SLV
5. IQAC Coordinator
6. I/c Security
7. file.

Banner:



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**Department of Electronics and Communication Engineering
 and Internal Quality Assurance Cell (IQAC) under IETE Student Forum (ISF)**

Organizing

A Guest Lecture

On

"Machine Learning Fundamentals: A Gateway to AI Innovation"

by

Dr. L. NIRMALA DEVI,

Professor of Electronics and Communication Engineering
 University College of Engineering, Osmania University

For

II & III Yr. ECE Students



20 November 2024



10:30 to 12:30 Hrs.



Indoor Auditorium (Ramdev Block)

Schedule:



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Department of Electronics and Communications

20 November 2024

Schedule for Guest Lecture on

“Machine Learning Fundamentals: A Gateway to AI Innovation”

Venue: Indoor Auditorium (Ramdev Block)

S.no	Time (Hrs.)	Speaker
1	10.00-10.05	Welcome note by <u>K</u> Virija, Jacinth emerald, III ECE A
2	10.10-10.15	Address <u>by</u> Principal Dr J Madhavan
3	10.15-10.20	Address by Vice-Principal <u>Mr</u> G Dayakar Reddy
4	10.25-10.30	Address by HOD-ECE, <u>Ms</u> S Manjula, Associate Professor, ECE
5	10.30-12.30	Keynote address by Speaker Dr. L. NIRMALA DEVI, IEEE, FIEL, FIETE Professor of Electronics and Communication Engineering
6	12:30	Vote of Thanks by T Sri Mahi, III ECE B

K Virija

Seminars & Workshops In-charge

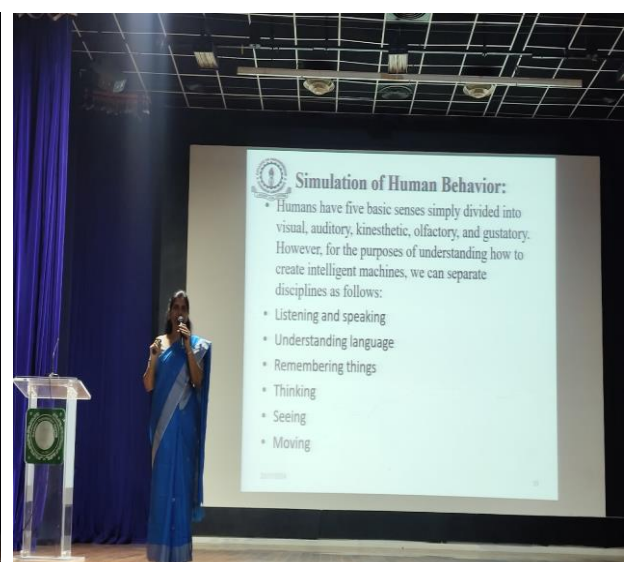
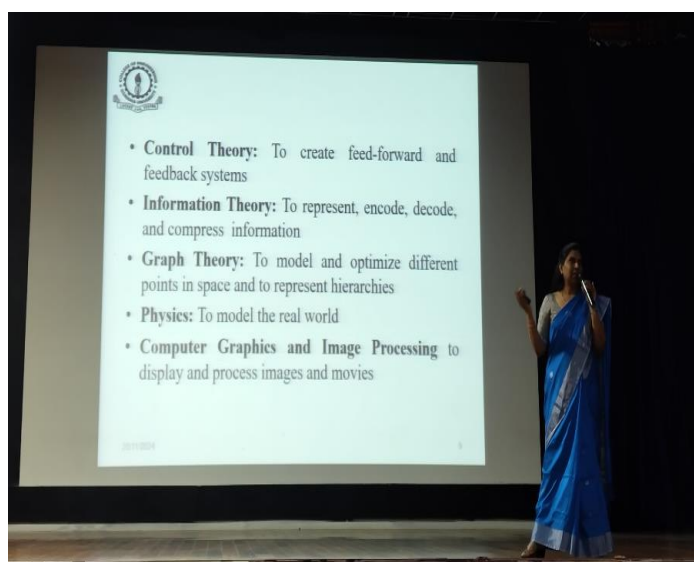
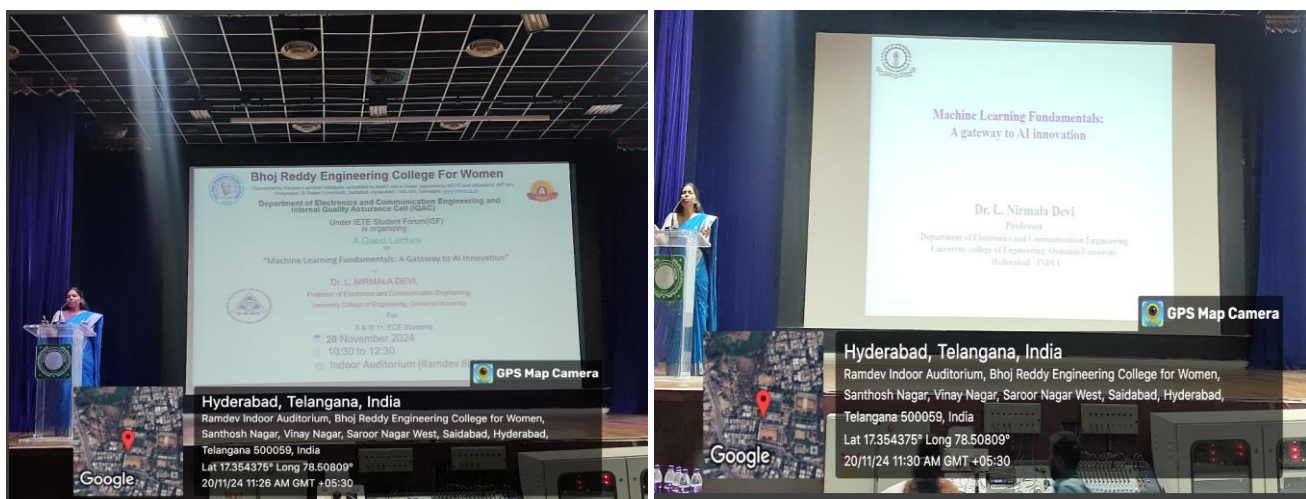
S Manjula

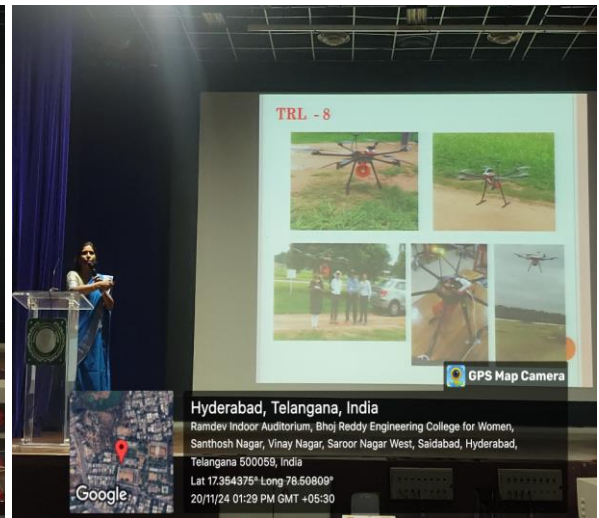
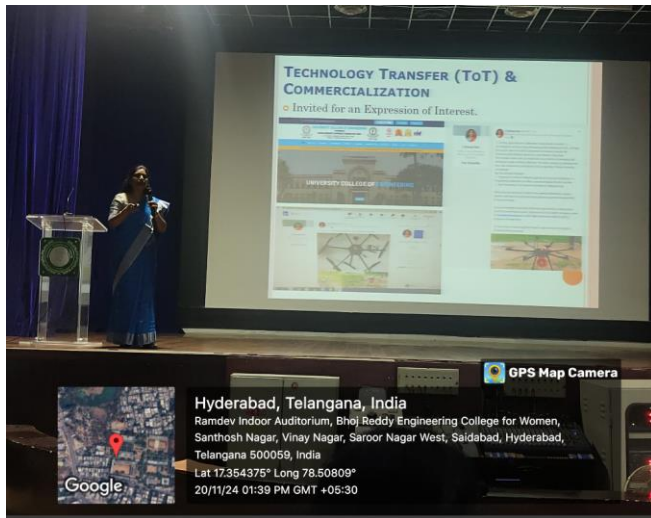
HOD-IT

On the 20 November 2024, the Department of ECE at Bhoj Reddy Engineering College for Women hosted Guest Lecture on “Machine Learning Fundamentals: A Gateway to AI Innovation” for II & III B.Tech ECE students on 20 November 2024. The speaker Dr. L. NIRMALA DEVI, IEEE, FIEL, FIETE Professor of Electronics and Communication Engineering University College of Engineering, Osmania University She has teaching experience of more than 23 Years in subjects like, Signals and Systems, Digital Signal Processing, Adaptive Signal Processing, Neural Networks, AI/ML, IOT and Wireless Communications, Wireless Sensor Network, Data and Computer Communications, Analog Communication, Digital Communication, and Research Methodology for Engineering. Her research interests include Ad-hoc networks, wireless communication, wireless sensor networks, IoT and Signal Processing Machine Learning and AI. She has completed various research projects sponsored by, Ministry of Electronics and Information Technology (MeiTY), Government of India, New Delhi, Department of Science & Technology (DST) and UGC, Telangana State Council of Science and Technology (TSCOST). Currently she is working on a research project in collaboration with Technology Innovation Hub (TIHAN), IIT Hyderabad

Through this guest lecture, "Machine Learning Fundamentals: A Gateway to AI Innovation" introduces students the essential concepts and building blocks of machine learning, enabling them to understand how this transformative technology powers today's AI-driven innovations. To inspire students to explore machine learning as a tool to solve complex problems, innovate in various fields, and lay the groundwork for a career in AI and data science. This session aims to spark curiosity and provide a clear pathway to deeper exploration in the field of artificial intelligence. Speaker Dr. L. NIRMALA DEVI concluded with Interactive Q&A Session, Practical insights from the speaker's experience in the field, addressing queries on tools, techniques, and best practices in ML and equipped students with foundational knowledge of Machine Learning and inspire them to explore AI innovation as a dynamic and impactful career path, fundamental understanding of ML concepts, awareness of current trends and opportunities in the AI/ML domain. Motivate to pursue hands-on projects and continuous learning in ML. "Machine Learning is not just a skill; it's the cornerstone of the AI revolution. This lecture aims to ignite curiosity and empower students to innovate and excel in the AI-driven world."

Figure 1: During the lecture of speaker Dr. L. NIRMALA DEVI Garu





The Feedback from the students was taken. Overall feedback of the Guest Lecture is Excellent and active participation of students during the lecture was notable, and students were engaged throughout the session. Students' thoughtful questions and insightful comments added a lot of value to the overall discussion. We could tell that students have a good grasp of the subject matter as the lecture was informative and enlightening. In future, we can encourage students to continue attending such events and to keep learning and growing in their field of interest.

Letter of Appreciation:



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College Code (32)

File No: BRECW/PO/ECE/GLJAY2024-25/223

Date: 20.11.2024

Dr. J Madhavan
Principal

Telephone: +91 40 2453 1719
Mobile Phone: +91 94901 16667

Letter of Appreciation

We would like to take this opportunity to appreciate and acknowledge the efforts put in by Dr L Nirmala Devi, IEEE, FIEI, FIETE, Professor of Electronics and Communication Engineering, University College of Engineering, Osmania University to enlighten our II & III ECE students on "Machine Learning Fundamentals: Gateway to AI Innovation" during a Guest Lecture conducted on 20th November 2024 by ECE department.

We thank you for making the Guest Lecture a great success.

With warm regards,


(Dr. J Madhavan)

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Sample feedback form:



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Department of Electronics and Communication Engineering A Guest lecture FEEDBACK FORM



Topic: "Machine Learning Fundamentals: A Gateway to AI Innovation"

Dates: 20 November 2024

Name of the Speaker: Dr. L. NIRMALA DEVI,
IEEE, FIEI, FIETE

Professor of Electronics and Communication Engineering
University College of Engineering, Osmania University

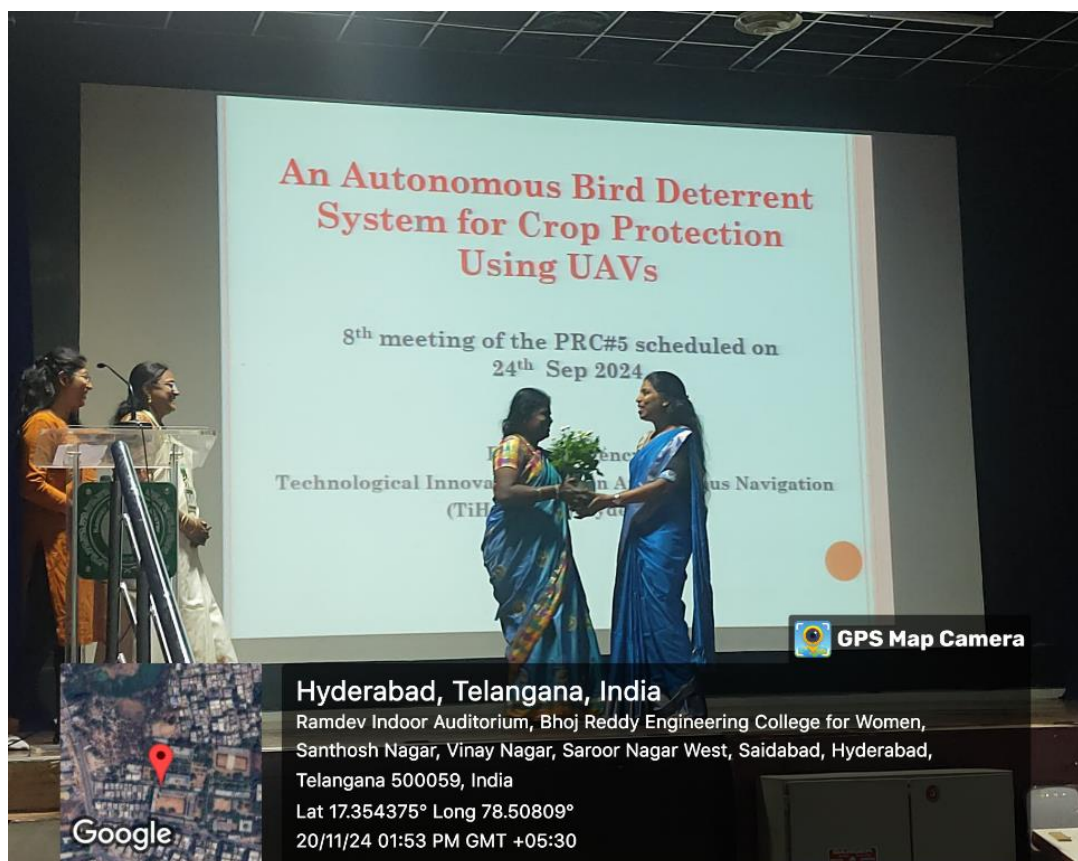
Please encircle the level of understanding the concept with each statement

	1. Excellent	2. Good	3. Average	4. Not Satisfied		
a. I learned something that I previously did not know			①	2	3	4
b. The information was presented in easy manner			①	2	3	4
c. The guest lecture was worth my time			①	2	3	4
d. The guest lecture helped me to improve my technical skills			1	②	3	4

Comments / Suggestions for improvement of the guest lecture in future:

Requires more guest lectures on technical & Industrial oriented topics.

Figure2 : During valedictory ceremony, Speaker Dr. L. NIRMALA DEVI, HOD, Workshop in-charge, ECE staff , II and III year ECE students



K Virija, Seminars and Workshops In-charge faculty expressed her sincere gratitude for allowing ECE department with and the opportunity to conduct a guest lecture at BRECW. She appreciated the support that management gave and said it was informative session. Once again, she said thank you for allowing them to contribute to the learning and development of their students and the session was concluded by the vote of thanks by T Sri Mahi a student of III B ECE.

Ms. K Virija
Seminar & Workshop In charge

Ms. S Manjula
HOD -ECE