



Learn Beyond

**KPR Institute of Engineering and Technology**

(Autonomous, NAAC "A")

Avinashi Road, Arasur, Coimbatore.

**Phone:** 0422-2635600**Web:** kpriet.ac.in**Social:** kpriet.ac.in/social**AM002****NBA Accredited**  
(CSE, ECE, EEE,  
MECH, CIVIL)**TWO WEEKS ONLINE STTP ON "MACHINE LEARNING, DATA SCIENCE AND GEN AI" (05-02-2024 TO 16-02-2024), 07.00 PM**

<b>Event No</b>	AM002
<b>Organizing Department</b>	Artificial Intelligence and Machine Learning
<b>Associate Dept.   NSC</b>	Artificial Intelligence and Machine Learning
<b>Date</b>	05/02/2024 to 16/02/2024 (12 Days)
<b>Time</b>	07:00 PM to 08:00 PM
<b>Event Type</b>	STTP
<b>Event Level</b>	Dept. Level
<b>Meeting Medium</b>	
<b>Meeting Link</b>	<a href="https://zoom.us/j/99046103173?tk=Z4_5quxYWKkTbzQflvDY2EHbCRAK6vSUPgyBgjPfweg.DQYAAAAAXD5uYhRZiRjRBTElkeFRNT2stVXI1YWNZUGR3AA&amp;pwd;=ekM5NIFCMVB4RTZENWNHYZDBISUQvZz09">https://zoom.us/j/99046103173?tk=Z4_5quxYWKkTbzQflvDY2EHbCRAK6vSUPgyBgjPfweg.DQYAAAAAXD5uYhRZiRjRBTElkeFRNT2stVXI1YWNZUGR3AA&amp;pwd;=ekM5NIFCMVB4RTZENWNHYZDBISUQvZz09</a>
<b>Total Participants</b>	297
<b>Faculty - Internal</b>	38
<b>Faculty - External</b>	45
<b>Students - Internal</b>	207
<b>Students - External</b>	7

**Related SDG****Involved Staffs**

Sl	Name	Role
1	Karthikeyan S	Convenor
2	Pandiya Rajan G	Coordinator
3	Kothai G	Coordinator
4	Janani M	Coordinator

**Outcome**

Participants may gain a deeper understanding of machine learning, data science principles, and the emerging field of General Artificial Intelligence (Gen AI). Participants had Hands on Experience with implementing machine learning models, analyzing data, and experimenting with AI algorithms. Participants have developed essential skills such as programming, data analysis, problem-solving, and critical thinking in the fields of machine learning and data science. Participants may develop improved problem-solving skills by applying machine learning and data science techniques to real-world problems.












**Event Summary**

Around 290 Participants (Internal and External) registered the Two Weeks Online STTP on "Machine Learning, Data Science and Gen AI" organized by department of CSE (Artificial Intelligence and Machine Learning), KPR Institute of Engineering and Technology from 05.02.2024 to 16.02.2024. This STTP is designed to cover a wide range of topic such as Segmentation Techniques in deep learning, AI in Healthcare, Exploratory data analysis, ML flow, Understanding of data for designing ML and DL applications, Deep learning unleashed: PyTorch and TensorFlow, Industrial applications of computer vision, Generative deep learning models and applications, Overview of LLM and Strategic transformation in insurance and SaT through GenAI, xAI and NLP. This event was highly enriching and impactful program that provided participants with valuable knowledge, skills, and insights in the rapidly evolving fields of AI and data science. The session was most covered by industry professionals which provided valuable insights into the application of machine learning and data science in various sectors. The participants had the chance to interact with experts in the respective research area and gained an interdisciplinary perspective, recognizing the intersection of machine learning with other fields and the potential of General AI in various domains.






**KPR Institute of Engineering and Technology**  
(Autonomous, NAAC "A")

**Department of CSE**  
(Artificial Intelligence and Machine Learning)

Organizes  
Two Weeks STTP on  
**"Machine Learning, Data Science and Gen AI"**  
 (05-02-2024 to 16-02-2024) (Timing : 07.00 PM - 08.00 PM)

 <b>Dr. Tathagat Sanyal</b> Associate Professor 05.02.2024 Segmentation Techniques in Deep Learning	 <b>Dr. Deel Priya R</b> Associate Professor 06.02.2024 AI in Healthcare	 <b>Dr. Sathya K</b> Associate Professor 07.02.2024 Exploratory Data Analysis	 <b>Dr. Sri Chakravarthy</b> Associate Professor 08.02.2024 ML Flow
 <b>Dr. Anupama Kumbhakar</b> Associate Professor 09.02.2024 Understanding of data for designing ML and DL applications	 <b>Dr. S. Karthikayan</b> Associate Professor 10.02.2024 Deep Learning Fundamentals: PyTorch and TensorFlow	 <b>Dr. Mahesh Venkateshram</b> Associate Professor 11.02.2024 Industrial applications of computer vision	 <b>Dr. Rishwanth Jayaraj</b> Associate Professor 12.02.2024 Generative Deep Learning Models and Applications
 <b>Dr. George Rajan</b> Associate Professor 13.02.2024 Overview of LLM	 <b>Dr. S. Karthikayan</b> Associate Professor 14.02.2024 Design, Implementation, Evaluation and Deployment of AI Projects	Registration Fee : RS.400  CR Code for Payment	

Registration Link :  
<https://forms.gle/nVKA38gZdf9yqWa76>

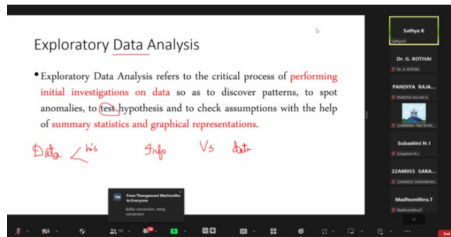






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**Exploratory Data Analysis**

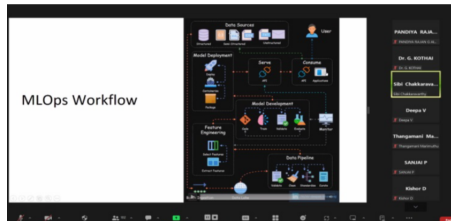
• Exploratory Data Analysis refers to the critical process of **performing initial investigations on data** so as to discover patterns, to spot anomalies, to **test** hypothesis and to check assumptions with the help of **summary statistics and graphical representations**.

*Data < Vs > Info*



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**MLOps Workflow**



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