



GILBERT RESEARCH CENTER

Online-Data science & Machine Learning Internship Program

Official Time-Table

Month & Date	Coursework / Assignment work / Programming Assignment
21st March 2025	Coursework Session: Onboarding Meeting on Internship Data science & Machine Learning.
22nd March 2025	Coursework Session: Fundamentals of Data Visualization & Graphical representation
	1. Test Assignment & 1. Programming Assignment

Month & Date	Coursework / Assignment work / Programming Assignment
28th March 2025	Coursework Session: Linear Algebra - foundation & core topics to machine learning & data science
29th March 2025	Coursework Session: Optimization- foundation topics for machine learning & data science.
	2. Test Assignment & 2. Programming Assignment

Month & Date	Coursework / Assignment work / Programming Assignment
4th April 2025	Coursework Session: Dimensional reduction technique - PCA (Principal Component Analysis)
5th April 2025	Coursework Session: Probability & Statistics - foundation & core topics to machine learning & data science
	3. Test Assignment & 3. Programming Assignment

Month & Date	Coursework / Assignment work / Programming Assignment
11th April 2025	Coursework Session: Linear Regression, Multiple Regression - foundation topics for machine learning & data science
12th April 2025	Coursework Session: Correlation, and Non-linear Regression- foundation topics for machine learning & data science
	4. Test Assignment & 4. Programming Assignment

Month & Date	Coursework / Assignment work / Programming Assignment
18th April 2025	Coursework Session: Gradient Descent Algorithm for machine learning & deep learning implementation
19th April 2025	Coursework Session: Fundamentals of Image Processing & Medical Imaging System X-ray modality
	5. Test Assignment & 5. Programming Assignment
25th April & 26th April 2025	Coursework Session: Neural Network & Convolutional Neural Network - foundation topics to machine learning & data science.
	6. Test Assignment & 6. Programming Assignment

IMPORTANT NOTE:

- Internship Meeting link will be shared via e-mail to all the candidates.
- All Meetings will be held on video communication platform Microsoft Teams.

Clinical Diagnostic Prediction Department

Gilbert Research Center

contact@gilbertresearchcenter.com

Hanudev Info Tech Park, Unit No. Block 'C SF No. 558/2 Udaiyampalayam Road,
Nava India Rd, Coimbatore, Tamil Nadu 641028



**GILBERT
RESEARCH
CENTER**