



# GILBERT RESEARCH CENTER

***Online-Data science & Machine Learning Internship Program***

**Official Time-Table**

<b>Month &amp; Date</b>	<b>Coursework / Assignment work / Programming Assignment</b>
<b>13th March 2026</b>	<b>Coursework Session:</b> Onboarding Meeting on Internship Data science & Machine Learning.
<b>14th March 2026</b>	<b>Coursework Session:</b> Fundamentals of Data Visualization & Graphical representation
	<b>1. Test Assignment &amp; 1. Programming Assignment</b>

<b>Month &amp; Date</b>	<b>Coursework / Assignment work / Programming Assignment</b>
<b>20th March 2026</b>	<b>Coursework Session:</b> Linear Algebra - foundation & core topics to machine learning & data science
<b>21st March 2026</b>	<b>Coursework Session:</b> Optimization- foundation topics for machine learning & data science.
	<b>2. Test Assignment &amp; 2. Programming Assignment</b>

<b>Month &amp; Date</b>	<b>Coursework / Assignment work / Programming Assignment</b>
<b>27th March 2026</b>	<b>Coursework Session:</b> Probability & Statistics - foundation & core topics to machine learning & data science
<b>28th March 2026</b>	<b>Coursework Session:</b> Bayesian theorem and other core probabilistic models of machine learning & data Science
	<b>3. Test Assignment &amp; 3. Programming Assignment</b>

<b>Month &amp; Date</b>	<b>Coursework / Assignment work / Programming Assignment</b>
<b>3rd April 2026</b>	<b>Coursework Session:</b> Hypothesis test analysis of statistical inference related to the core machine learning model
<b>4th April 2026</b>	<b>Coursework Session:</b> Dimensional reduction technique - PCA (Principal Component Analysis)
	<b>4. Test Assignment &amp; 4. Programming Assignment</b>

<b>Month &amp; Date</b>	<b>Coursework / Assignment work / Programming Assignment</b>
<b>10th April 2026</b>	<b>Coursework Session:</b> Linear Regression, Multiple Regression - foundation topics for machine learning & data science
<b>11th April 2026</b>	<b>Coursework Session:</b> Correlation, and Non-linear Regression- foundation topics for machine learning & data science
	<b>5. Test Assignment &amp; 5. Programming Assignment</b>

<b>Month &amp; Date</b>	<b>Coursework / Assignment work / Programming Assignment</b>
<b>17th April 2026</b>	<b>Coursework Session:</b> Gradient Descent Algorithm for machine learning & deep learning implementation
<b>18th April 2026</b>	<b>Coursework Session:</b> Fundamentals of Image Processing & Medical Imaging System X-ray modality
	<b>6. Test Assignment &amp; 6. Programming Assignment</b>
<b>24th April 2026 &amp; 25th April 2026</b>	<b>Coursework Session:</b> Neural Network & Convolutional Neural Network - foundation topics to machine learning & data science.
	<b>7. Test Assignment &amp; 7. Programming Assignment</b>

# 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**

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