

Department of Mathematics & Computing
Honors and Minors Jan-June 2026

| <u>S.No.</u> | Course Name |
|---|---|
| Minor Offered from SWAYAM/NPTEL B.Tech IV Semester | |
| 1 | Differential Equations |
| 2 | Partial Differential Equations for Engineers |
| 3 | Applied Linear Algebra in AI and ML |
| Minor Offered from SWAYAM/NPTEL B.Tech VI Semester | |
| 1 | A Primer to Mathematical Optimization |
| 2 | Advanced Linear Algebra |
| 3 | Advanced Probability Theory |
| Minor Offered from SWAYAM/NPTEL B.Tech VIII Semester | |
| 1 | Algebraic Number Theory |
| 2 | Optimization from Fundamentals |
| 3 | Introduction to Graph Theory |
| Honors Jan-June 2026 | |
| <u>S.No.</u> | Course Name |
| Honor Offered from SWAYAM/NPTEL B.Tech IV Semester | |
| 1 | Artificial Intelligence: Search Methods for Problem solving |
| 2 | Applied Accelerated Artificial Intelligence |
| 3 | Introduction to Machine Learning |
| Honor Offered from SWAYAM/NPTEL B.Tech VI Semester | |
| 1 | Neural Networks for Computer Vision & Natural Language Processing |
| 2 | Introduction to Large Language Models |
| 3 | Getting Started with Competitive Programming |
| 3 | Computer Vision & Image Processing Fundamental and Applications |
| Honor Offered from SWAYAM/NPTEL B.Tech VIII Semester | |
| 1 | Natural Language Processing |
| 2 | Algebraic Combinatorics |

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Head, MAC