# Lesson Plan (Math II) 

NAME OF THE FACULTY:<br>DISCIPLINE: Comp./ECE<br>SEMESTER: SECOND<br>SUBJECT: Applied Mathematics II<br>LESSON PLAN DURATION: 16 weeks (w.e.f. 15/02/24)<br>WORK LOAD PER WEEK: Lectures = 4

| Week | Theory |
| :---: | :---: |
| 1 | 1. Definition of function; Concept of limits (Introduction only) and <br> problems related to four standard limits only. |
| 2 | 2. Differentiation of xn, sin x, cos x, ex by first principle. <br> 3. Differentiation of sum, product and quotient of functions |
| 1. Differentiation of trigonometric functions. |  |
| 2. Differentiation of inverse trigonometric functions |  |
| 3. Logarithmic differentiation |  |

