# Haldia Institute of Technology

## LECTURE PLAN/LESSON PLAN

**Serving Department:** Applied Science      **Batch(s):**

**Semester:** 3rd & 4th      **Session:**

**Paper Name:** Numerical Methods Lab      **Paper Code:** M(CS)391& M(CS)491

**Alloted Hour(s):** 24      **Actual Hour(s):** 24

**Name of the Teacher:** Mr. Chinmay Saha

| Sl. No. | Date | Topics (As per University Syllabus) | Hours | Remarks/Books |
|---|---|---|---|---|
| 1st class | | Newton's Forward Interpolation | 2 | Programming ANSI C by Balaguruswamy, <br><br> C.Xavier: C Language and Numerical Methods, |
| 2nd class | | Newton's Backward Interpolation | 2 | |
| 3rd class | | Lagrange's Interpolation | 2 | |
| 4th class | | Trapezoidal Rule & Simpson's 1/3 Rule | 2 | |
| 5th class | | Weddle's Rule | 2 | |
| 6th class | | Gauss Elimination | 2 | |
| 7th class | | Gauss- Seidel Method | 2 | |
| 8th class | | Regula-Falsi Method & Newton-Raphson Method | 2 | |
| 9th class1 | | Eulers' & Runge-Kutta(4th order ) Methods | 2 | |
| 10th class | | Introduction:Matlab/Scilab / Mathematica | 2 | |
| Sl. No. | Date | Topics (Beyond Syllabus) | Hours | Remarks/Books |
| 11th | | Bisection Method, Taylor series | 2 | |

| class | | Method | | |
|---|---|---|---|---|
| 12th class | | Euler Modified Method ,Gauss Jacobi's Method | 2 | |
| | | **Total : 24** | | |