Optical Fiber Communication

Assignment

**Use Optisystem simulator software**

**Presentation Date: 8th May, 2025**

1. Measurement of single mode step index fiber output for an input bit sequence. [Roll no: 1-5,7,8]

2. Measurement of multi mode step index fiber output for an input bit sequence. [Roll no: 9-14]

3. Measurement of graded index fiber output for an input bit sequence. [Roll no: 15-20]

4. Measurement of bit error rate for single mode step index fiber. [Roll no: 22-28]

5. Measurement of bit error rate for multi mode step index fiber. [Roll no: 29-34]

6. Measurement of signal power output for single mode step index fiber when the input is sinusoidal signal. [Roll no: 35-40]

7. Measurement of SNR for single mode step index fiber when the input is sinusoidal signal. [Roll no: 41-47]

8. Check the input and output parameters for step index fiber when gain is maximum. [Roll no: 48-50, re-ad 37,30,52,06]