



*NARULA INSTITUTE OF TECHNOLOGY*

81, Nilgunj Road, Agarpara, Kolkata- 700109

**REPORT ON**  
**SEMINAR/ CONFERENCE / WORKSHOP**

1. Name of the Participant : SWATI BANERJEE  
(in block letter)
2. Department :   ECE        3. Designation   Assistant Prof.
4. Category :  Faculty     TA     Other Staff
5. Sponsorship :  NIT     Self
6. Title of the Seminar : Short Term Course - “**Optoelectronics and Optical Communication**”
7. Seminar Organized by   IIT,Guwahati
8. Duration:   5 days (16/09/13 to 20/09/13)      9. Total Participant   30
10. Topic Discussed
  1. Optical Communication
  2. Free Space Optical Communication
  3. Optical Sources
  4. Optical Network
  5. Fiber Optic Technology
11. Name of the speakers(with Contact Nos. , if possible)
  1. Professor Ashwini Kumar Sharma
  2. Professor Anjan K Ghosh
  3. Professor Utpal Das
  4. Professor Sunil K Khijwaniya
  5. Ramesh Kumar Sonkar

12. Name of the Other Participating Institutes :

1. NITTTR
2. Assam University
3. NIT Nagaland
4. Don Bosco College, Assam
5. IIT Guwahati

13. Brief report on the deliberation of the Seminar (to be attached as Annexure-1) :

14. Presentation given at NIT on \_\_\_\_\_

15. Presentation Attended by :  Faculty  Students

Date :

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Signature of the Participant

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Comments By HOD (with special emphasis on how NIT has been benefited) :

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Signature of HOD

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Signature of Principal

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Signature of Director

Annexure 1  
Report on Short Term Course - “**Optoelectronics and Optical  
Communication**”, September 16-20, 2013

On 16 the September 2013, after inauguration 1<sup>st</sup> session was conducted by Prof (Dr.) Ratnajit Bhattacharjee (EEE, IIT Guwahati) on ‘Optical Communication’, and 2<sup>nd</sup> session was conducted by Prof (Dr.) Ashwini Kumar Sharma (Physics, IIT Guwahati) on ‘Basic Laser Theory and Applications’.

2<sup>nd</sup> day 17/09/13 1<sup>st</sup> session lecture was delivered by Prof (Dr.) Utpal Das (EE, IIT Kanpur) on ‘Optical Sources’. 2<sup>nd</sup> session was Virtual Lab visit at the Computer Centre of IITG.

On 18<sup>th</sup> September 2013 1<sup>st</sup> session was conducted by Prof (Dr.) Anjan K Ghosh (Tripura University) on ‘Free Space Optical Communication’. 2<sup>nd</sup> half was finished by Lab session with Different LASER source and optical fiber link at physics department of IITG.

On 19<sup>th</sup> September 2013 session started with Prof (Dr.) Sunil K Khijwaniya (Physics, IIT Guwahati) on ‘Fiber Optics Technology and Fiber Sensors’. In 2<sup>nd</sup> half a field trip was done at Amron Ltd. At guwahati city.

Last day 20<sup>th</sup> September a lecture on ‘Photonics Integrated Circuits’ was delivered by Dr. Ramesh Kumar Sonkar (EEE, IIT Guwahati), on 2<sup>nd</sup> session lecture on ‘Optical Networks’ was given by Dr. T Venkatesh (CSE, IIT Guwahati)

The course ended with a valedictory session.

