



National Institute of Technology Delhi

राष्ट्रीय प्रौद्योगिकी संस्थान दिल्ली

Vision

Create an educational environment to prepare the students to meet the challenges of the modern electronics and communication industry through state of art technical knowledge and innovative approaches beneficial to society.

Mission

- To promote teaching and learning by engaging in innovative research and by offering state-of-the-art undergraduate, postgraduate, and doctoral programs.
- To cultivate an entrepreneurial environment and industry interaction, leading to the emergence of creators, innovators, and leaders.
- To promote co-curricular and extra-curricular activities for the overall personality development of the students.
- Building of responsible citizens through awareness and acceptance of ethical values.

DEPARTMENT OF ELECTRONICS AND
COMMUNICATION ENGINEERING

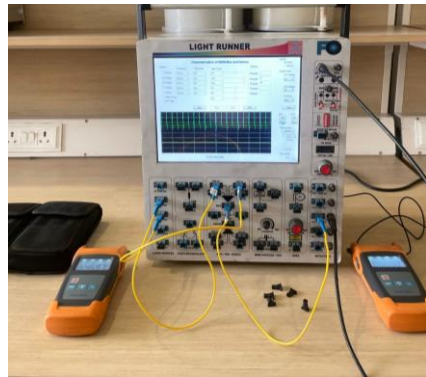
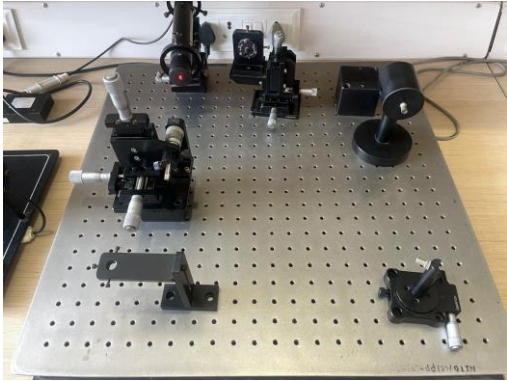
इलेक्ट्रानिक्स एवं संचार अभियांत्रिकी विभाग



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NATIONAL INSTITUTE OF TECHNOLOGY DELHI

प्रकाशीय संचार प्रयोगशाला | Optical Communication Laboratory

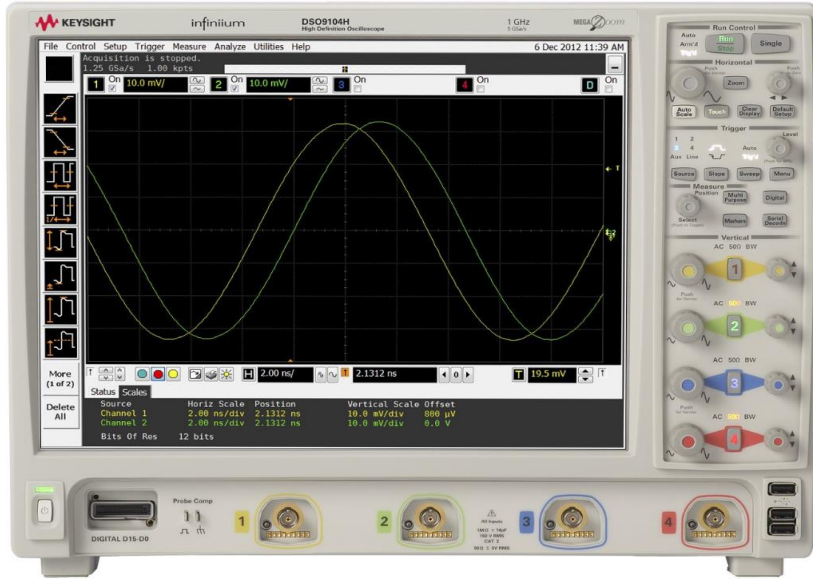




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Digital Storage Oscilloscope DS09104A,
1GHz, (2.5GHz upgraded) 4- channel, -
Keysight Technologies



Light Runner Premium (Fibre Optic Training Kit) –
Fibre Optika



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FOL- Physics- Physics of Fiber Optics - Make Akademia



FOL- Modes- Mode Observations Trainer - Make Akademia



1. FOL- Dual - Dual Wavelength fiber optic LASER Source D
2. FOL- Passive - Fiber Optic Passive Component Module
3. FOL- Fibre- Single Mode Fibre optic Cable module
4. FOL- CD - Chromatic Dispersion Module - Make Akademia



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RSoft® Products

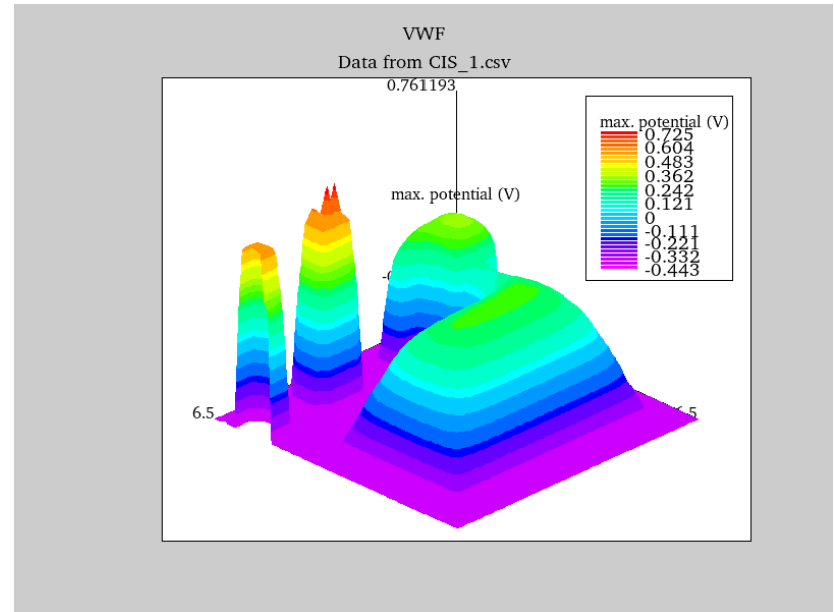
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V 2014.09

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छात्र निर्देशित पर्यवेक्षण के तहत प्रयोग करने के लिए प्रयोगशाला में मौजूद विभिन्न उपकरणों का उपयोग करते हुए।

Students using the various devices and equipment present in the laboratory to perform the experiments under guided supervision.



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List of Instruments/ Equipment/ Software

Hardware

S. No.	Item Description	Qty	Model/ Version	Make
1	Desktop Computer System (PC), Core i7, RAM- 8GB, HDD- 1TB HDD	5	ProDesk 600 G3 small form factor, Monitor- HP 24" V243 TFT	HP
2	Digital Storage Oscilloscope - 1GHz, 4- Channels	1	DSO9104A	Keysight Technologies
3	Digital Storage Oscilloscope Infiniivision - 200Mhz, 2GSa/s, 4-Channels	5	DSOX2024A	Keysight Technologies
4	Light Runner Premium Fiber Optic Training Kit - full setup with accessories	2	NA	Fiber Optika
5	FOL- Physics- Physics of Fiber Optics	1	FOL- Physics	Akademika
6	FOL- Modes- Mode Observations Trainer	1	FOL- Modes	Akademika
7	FOL- Dual - Dual Wavelength fiber optic LASER Source and Detector Module	1	FOL- Dual	Akademika
8	FOL- Passive - Fiber Optic Passive Component Module	1	FOL- Passive	Akademika



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Hardware

S. No.	Item Description	Qty	Model/ Version	Make
9	FOL- Fibre- Single Mode Fibre optic Cable module and Multi Mode Fiber Optic Cable Module	1	FOL- Fibre	Akademika
10	FOL- CD - Chromatic Dispersion Module	1	FOL- CD	Akademika
11	Arbitrary Function Generators, 20MhzDual channel	5	EDU33212A	Keysight Technologies

Software

S. No.	Item Description	Qty	Model/ Version	Make
12	OptSIM Base Software 10 users for 3 years Term Network Academic License	1	2023.12	Synopsys Inc.
13	Silvaco TCAD Omni (University Bundle) Software 03 Years License for 5 users	1	2023, 5.34.0.R	Silvaco Inc.
14	MATLAB Simulink and other associated tools (Software) Campus-Wide License - Unlimited Users	1	R2024a	MATLAB



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धन्यवाद | THANK YOU

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Department of Electronics and Communication Engineering

