

DEEP PUNJ

Integrated M.Sc Photonics
Centre of Excellence in Lasers and Opto-electronic Sciences
Cochin University of Science and Technology
Cochin, Kerala, india - 682022
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Academic Qualifications

- Currently doing 6th Semester of 5 Year (10 semesters) Integrated M.Sc. in Photonics at Centre of Excellence in Lasers and Opto-electronic Sciences, CUSAT, Cochin
- With aggregate marks till 5th semester as percentage (%):-

| University/Board | Examinations | Percentage |
|---|----------------------------------|------------|
| Cochin University of Science and Technology, Cochin, Kerala India | Semester 5 | 77.57 |
| | Semester 4 | 71.12 |
| | Semester 3 | 78.71 |
| | Semester 2 | 78.85 |
| | Semester 1 | 83.20 |
| Bihar Intermediate Education Council, Bihar, India | Intermediate(12 th) | 61.00 |
| Bihar Secondary Education Board, Bihar, India | Matriculation(10 th) | 72.43 |

Curriculum project:

Project (going on in 6th semester):-
Biophotonic Sensor: High Intensity UV LED for Time-gated Luminescence Flow Cytometer.
Organisation:- Centre of Excellence in Lasers and Optoelectronic Sciences
Project Guide:- Dr. V.P.N.Nampoori
Director,
International School of Photonics,
CUSAT.

Seminars taken in present M.Sc. course

- Diffraction: the primary illustration of light
- Holography: the phenomenon
- Nuclear Physics: the overview
- Crystal Structure: the symmetric story
- Atom laser: laser cooling

International/ National conferences Attended

- Indo-UK Workshop 2006 and 2008 on Fiber Optics and its Applications organized by International School of Photonics(ISP), CUSAT, Cochin.
- International Conference on Solar Cells(IC-SOLACE),2008 organized by Department of Physics, CUSAT, Cochin.

- Annual Photonics Workshop 2007,2008 conducted by Photonics Society of India held at International School of Photonics(ISP),CUSAT, Cochin.

Professional Affiliation

- Student Member- the International Society of Optical Engineering(SPIE)
- Student Member- the Optical Society of America (OSA).

Courses Undertaken

- **Photonics:** Laser Physics(going on)
Optoelectronics(going on)
Fiber Optics(going on)
- **Optics:** Applied Optics
Geometrical Optics
Physical Optics
Optical Instrumentation
- **Electronics:** Basic Electronics
Digital and Analog Electronics
Electricity and Magnetism
Microprocessors and their Applications
Electronics Instrumentation
- **Physics:** Mechanics and Wave Phenomena
Classical Mechanics
Nuclei, Particles and Beams
Statistical Mechanics and Thermodynamics
Structure and Properties of Atoms and Molecules
Electromagnetic theory and Relativistic Phenomena
Quantum Mechanics – I(Basic)
Quantum Mechanics – II(Advanced)
Material Science
- **Mathematics:** Mathematics- I(Calculus)
Mathematics- II(Vector Calculus, Matrices and Complex Numbers)
Mathematics- III(Curvilinear Coordinates, Tensors, Vector Space, Differential Equations, Laplace Analysis)
Mathematics- IV(Fourier Analysis, Group Theory, Complex Variable, Non-linear Differential Equations, Chaos)
Mathematics- V (Computational Techniques)
Statistical Methods

Computer Skills:

- Programming language: C, C++
- Software packages: MATLAB, Microcal Origin, MS Office, Adobe Photoshop, Adobe Illustrator
- Operating System: Windows 95/98/NT/2000/XP/Vista.

Personal Skills:

I would describe myself as an honest, sincere, and loyal person, determined to achieve my goals and prepared to work hard for it. I am a good listener and a fast learner. A very friendly person who can get well adapted to any environment and has the ability to work in a team.

Personal Information:

Name:- Deep Punj
D.O.B. – 08th Oct 1985
Sex:- Male
Marital Status:- Single
Nationality:- Indian
Language known:- Hindi, English(UK)
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Kerala, India.
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References:

Prof. P. RadhaKrishnan
Director,
Centre of Excellence in Lasers and
Optoelectronic Sciences.
CUSAT
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Dr. Sheenu Thomas
Lecturer,
Centre of Excellence in Lasers
and Optoelectronic Sciences.
CUSAT
email: st@cusat.ac.in

I affirm that the above information is true to my best knowledge.

Deep Punj.