

Pravin Kumar

BS-MS (Chemical sciences) | Tutor (Course Hero)

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EDUCATION

Indian Institute of Science Education & Research (IISER), Mohali,
Punjab — BS-MS

Aug, 2016 - jun, 2021

- CPI - 7.0/10
- Major - Chemical sciences
- Minor - Specialization in Physical Chemistry
- Mode of communication and Study - English

Bhupesh Gupta Inter College, Bhabua, Kaimur, Bihar— Higher secondary (BSEB)

May, 2013 - May, 2015

- Marks - 74 %
- Stream - PCM

Children's garden School, Bhabua, Bihar— Secondary (CBSE)

May, 2013

- Marks - 89.3 %

EXPERIENCE

MS Thesis — Carbazole based discotic liquid crystals

Description: Synthesis of target compound, characterization and Photophysical studies.

Aug, 2020 - Apr,2021 at Dr. S. K. Pal Lab, IISER MOHALI

Project 1 — Worked on Fourier Ptychography

Description: To make a low cost microscope, build separate parts of the design using 3-D printing, creating high resolution images by sticking several capture sample images.

May, 2018 - Jun,2018 at Dr. S.K. Viswas Lab, IISER MOHALI

Project 2 — Thermodynamically interactions studies

Description: To study different states and solve integral values.

May, 2017- jun, 2017 with Dr. Randeep Jauhal, IISER MOHALI

OBJECTIVE

Willing to acquire a position in the R & D department as Chemist. I want to be skilled in Synthesis, Analysis and processing, Interested in learning new skills, Highly motivated towards innovation.

SKILLS

Technical skill

- Design
- Synthesis
- Process
- Characterization Spectroscopy : IR, UV, NMR, MS
- Separation : HPLC, GC
- More techniques : POM, DSC, XRD
- Scientific writing
- Data interpretation

Operating system

- Window
- Linux

Software skill

- Origin
- Chemdraw
- Gaussview
- Solidworks
- Powerpoint
- Microsoft Excel
- Microsoft Word

LANGUAGES

- English speaking (sufficient) writing (efficient)
- Hindi

ADDITIONAL

Attended several seminars and webinars of National/ International Professors. Delivered several presentation during courses. Participated in different curriculum such as Plantation, Gaming, and Mini-marathon.