

UG IIIrd Year

CHEMICAL SCIENCE AND TECHNOLOGY

Indian Institute of Technology Patna

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BRIJ SAXENA

EDUCATION

Qualification	Year of Passing	Institute	Board/University	Aggregate
B.Tech (CST)	2017*	Indian Institute of Technology, Patna	N/A	8.15 / 10 CGPA
Intermediate	2012	Methodist High School	ISC	91.33%
High School	2010	Methodist High School	ICSE	92.86%

* expected graduation date

TECHNICAL EXPERIENCE

➤ **PROJECT under RTDC (Rural Technology Development Club)**

Currently working on the development of the low cost user friendly soil quality testing device to measure the pH, nitrogen, phosphorus and potassium content of the soil and to help farmers to use right amount of fertilizers and chemicals for soil.

- Project on “**Demonstration of Properties of Non-Newtonian Fluids**” under the guidance of professor Manabendra Pathak.
- Preparation and Characterization of organic compounds like Methyl Orange, Aspirin, Trans Stilbene .
- Multicomponent Synthesis of Dihydropyrimidinone.

SKILLS

- Good knowledge of NMR, IR, UV visible spectroscopy.
- Basic synthetic chemistry
- Protein estimation, nanoparticle synthesis and characterization
- Good knowledge of Excel, C, Java.
- Basic knowledge of Autocad.

MAJOR COURSES

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|-------------------------------------|----------------------------|
| • Polymer Chemistry | • Process Control Analysis |
| • Inorganic Chemistry | • Medicinal Chemistry |
| • Chemical Processes & Calculations | • Thermodynamics |
| • Organic Chemistry | • Fluid Mechanics |

AREA OF INTEREST

Interested in polymer chemistry, synthetic organic chemistry, biochemistry and biotechnology.

OTHER ACHIEVEMENTS

- Secured **5686** rank out 14 lakh students in IIT JEE.
- Currently at 2nd position in my batch.
- Secured 1st position in Chemical Switch in Anwasha (Techno- cultural fest) and 2nd position in B-Quiz in Celesta (Technical fest) at IIT PATNA.
- Co-founded the Threshold Club to represent Chemical Science and Technology at Anwasha and Celesta and to develop the interest of students in chemistry and chemical engineering.

POSITIONS OF RESPONSIBILITY

- **NSS (National Social Service) Co-ordinator** of Chemical Science and Technology branch at IIT PATNA.
- **Technical Co-ordinator** of the chemical division of **RTDC**.

EXTRA CURRICULAR ACTIVITIES

- Organizer of **Quizzare** (inter school quizzing competition).
- Organizer at CELESTA and ANWESHA.