



## DEPARTMENT OF PHYSICS, DR. SHYAMA PRASAD MUKHERJEE UNIVERSITY, RANCHI - 834008

### INTEGRATED M.Sc. IN PHYSICS (4+1) AS PER NEP - 2020



#### ★ Why Choose Us?

- Dual Degree (B.Sc. + M.Sc.), only of its kind in any state university of Jharkhand
- Experienced Faculty and Guest Lecturers from Premier Institutes
- State-of-the-art Laboratories and Research Facilities
- Career Support & Placement Assistance
- Scholarships Available for Students

**Eligibility : 10+2 with minimum 45%marks in Physics**

#### ★ Programme Overview/Scheme of programme



Five Years Integrated M.Sc. in Physics with multiple entry and exit points and re-entry options within this period with appropriate certifications such as:

- A Certificate in Physics after completing 1 year (2 Semesters).
- A Diploma in Physics after completing 2 years (4 Semesters).
- A Bachelor's Degree in Physics after completing 3 years (6 Semesters).
- A Bachelor's Degree in Physics with Hons. after completing 4 years (8 Semesters).
- An Integrated Master's Degree in Physics after completing 5 years (10 Semesters).

#### ★ Career Opportunities after Integrated M.Sc. in Physics, Higher Studies:

- Ph.D. in Physics, Electronics & other Disciplines of Physics.
- B.Ed & M.Ed.
- NET/JRF
- MBA



#### ★ R & D Sectors:

- Research and Development
- Museums and Planetariums
- Space and Astronomy
- Robotics
- IT Sector
- Renewable or Non-Renewable Energy Sector
- Nanotechnology
- Geophysics and Meteorology
- Nano-Science
- Defence Services
- Radiation Protection Centres
- Physics Research Labs
- Oil and Gas Sector

#### ★ Government/Public Sector:

- Government Organisations Such as INDIAN RAILWAYS, BARC, BHEL, ONGC, NTPC, ISRO etc.
- Teaching: Assistant Professor, PGT, TGT and PRT etc.

#### ★ Private Sector:

- Lab Assistant / Management role in Industry Giants such as TATA, JINDAL, MITTAL etc.
- Tech Industry Wipro, TCS, Mahindra and many more.

## ADMISSION OPEN

#### ★ How to Apply :

- Apply through Chancellor Portal (<https://jharkhanduniversities.nic.in>)
- Search for the university and course (Integrated M.Sc. in Physics) in the category of Vocational UG courses.

Interested Students may contact the following faculty members for further information.

Dr. Ashwini Kumar Sharma : 7709694628  
Dr. Amritraj Mahato : 8603387354

