



**Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY,  
JALANDHAR**

**G T Road Bye Pass, Jalandhar-144011, Punjab (India)**

**Advertisement for two-month internship in the department of Physics**

Applications are invited for **two-month internship** in the department of Physics, Dr B R Ambedkar National Institute of Technology (NIT) Jalandhar. The internship will be in the field of **theoretical high energy physics** and is under the head “Scientific Social Responsibilities” of DST-SERB funded research project “Fluctuations and Correlations-A Hunt to QCD Critical End Point” under Core Research Grant (CRG) scheme.

**Number of seats:** Only one seat

**Monthly Assistantship:** Rs. 5000 per month

**Duration of internship:** 25<sup>th</sup> March to 24<sup>th</sup> May 2023

**Last date for accepting application:** 1<sup>st</sup> March 2023

**Hostel Accommodation:** Hostel facility, if available, will be on chargeable basis as per institute rule.

**Who can apply:** Students who are in the final year of M.Sc Physics or completed M.Sc recently and having good CGPA.

**Nature of internship:** Student will be given a topic of research from the field of high energy physics. Topic of research will be theoretical/computational in nature. As the project is in the field of theoretical high energy physics, students who have studied particle physics during M.Sc Physics and have computational/programming experience will be preferred. Decision of selection committee will be final in this regard. **Assistantship is subject to condition that the student have to submit two-month detailed work report at the end of internship.**

**Mode of application:** Duly completed application form along with copy of M.Sc marksheet should be mailed to [kumara@nitj.ac.in](mailto:kumara@nitj.ac.in) on or before 1<sup>st</sup> March 2023. No application will be entertained after last date.

Dr. Arvind Kumar  
(PI of Project)  
Associate Professor  
Department of Physics



**Dr. B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY,  
JALANDHAR**

**G T Road Bye Pass, Jalandhar-144011, Punjab (India)**

**Application form for two-month internship in the department of Physics under research project  
“Fluctuations and Correlations-A Hunt to QCD Critical End Point” (PI: Dr Arvind Kumar)**

(Mail the scanned copy of duly filled and signed application form along with M.Sc Physics mark sheet of semesters completed to *kumara@nitj.ac.in*)

- 1. Name of Applicant:**
- 2. Present status of M. Sc Physics:**
- 3. Name of University/Institute from where MSc Physics completed/enrolled:**
- 4. Department name from where MSc Physics completed/enrolled:**
- 5. Postal Address:**
- 6. Permanent Address:**
- 7. Mobile No.:**
- 8. E.mail address:**
- 9. Father's name:**
- 10. Gender (Male/Female):**
- 11. Date of Birth:**
- 12. Nationality:**

**13. Education Qualification:**

<b>Examination Passed</b>	<b>Institute/University</b>	<b>Year of Passing</b>	<b>% Marks/CG PA</b>	<b>Specialization</b>
<b>10th</b>				
<b>12<sup>th</sup></b>				
<b>Graduation</b>				
<b>Post-graduation (M.Sc Physics)</b>				

**Note:** Submit with this application M.Sc Physics mark sheet having detail of courses and marks/CGPA. Otherwise application form will not be considered.

**14. Have you done a course on following during M.Sc Physics (mention name as in your M.Sc Physics mark sheet)**

- (a) Particle Physics:
- (b) Quantum Field Theory:
- (c) Any numerical methods/programming course (mention name of course and programming languages you have used):

I.....hereby declare that the statement made in this application are true, complete and correct to the best of my knowledge and belief. I also ensure that during the internship, I will follow the institute rules and regulations. Consent of my parents for attending the internship at Dr B R Ambedkar NIT Jalandhar is already taken by me.

Signature of applicant (with date)

Forwarded by  
Head of Department/Institute (with seal)

Name & Signature