

# Indian Institute of Technology Kanpur

## Degree Certificate



This is to certify that  
**RAJESH KUMAR**  
was awarded the degree of  
**MASTER OF SCIENCE**  
in  
**PHYSICS**  
in the year **2018**.



Digitally signed on  
Date : 31/08/2024 14:01:45 IST



**Note:-**

1. This is a digital certificate. The format of this certificate may differ from the document issued by the Institution/University.
2. This certificate is electronically generated by DigiLocker - National Academic Depository.
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**INDIAN INSTITUTE OF TECHNOLOGY KANPUR**  
**ACADEMIC SECTION**  
**GRADE REPORT**

Roll No. : 161148

Department : PHYSICS

Name : RAJESH KUMAR

Degree : MASTER OF SCIENCE(2-YR)

Year & Semester	Course No.	Course Title	Credit	GRADE	SPI	CPI
2016-17 FIRST	PHY401A	CLASSICAL MECHANICS I	11	A	7.6	7.6
	PHY421A	MATHEMATICAL METHODS I	11	B		
	PHY431A	QUANTUM MECHANICS I	11	C		
	PHY441A	ELECTRONICS	11	C		
	PHY461A	EXPERIMENTAL PHYSICS I	8	B		
2016-17 SECOND	ME601A	LANGUAGE AND STYLE OF SCHOLARLY COMMUNICATION	9	B	7.5	7.6
	PHY412A	STATISTICAL MECHANICS	11	C		
	PHY432A	QUANTUM MECHANICS II	11	B		
	PHY462A	EXPERIMENTAL PHYSICS II	8	B		
	PHY473A	COMPUTATIONAL PHYSICS	8	B		
2017-18 FIRST	PHY543A	CONDENSED MATTER PHYSICS I	11	B	7.7	7.6
	PHY552A	CLASSICAL ELECTRODYNAMICS I	11	B		
	PHY563A	M.SC. PROJECT I	11	B		
	PHY565A	M.SC. PROJECT II	11	B		
	PHY690G	COHERENCE & QUANTUM ENTANGLEMENT	9	C		
2017-18 SECOND	PHY524A	INTRODUCTION TO ATOMIC AND NUCLEAR PHYSICS	11	C	6.9	7.4
	PHY566A	M.SC. PROJECT III	11	B		
	PHY568A	M.SC. PROJECT IV	11	B		
	PHY682A	CONCEPTS OF PLASMA PHYSICS	9	C		
	PHY690V	PHOTONIC DEVICES	9	C		
The student has completed the programme in MAY – 2018						
				<div> सहायक कुलसचिव (शैक्षिक कार्य) Assistant Registrar (Academic Affairs) भारतीय प्रौद्योगिकी संस्थान, कानपुर Indian Institute of Technology, Kanpur</div>		



## 1. Grading System

Letter Grade	Performance	Numerical Value
A*	Outstanding	10
A	Excellent	10
B	Good	8
C	Average	6
D	Marginal	4
E	Exposure	2
F	Fail	0
S	Satisfactory	-
W	Waiver	-
X	Unsatisfactory	-

## 2. Abbreviations/ Symbols used:

SPI indicates Semester Performance Index

CPI indicates Cumulative Performance Index

Letter R/S after letter grade indicates that the course has been repeated/substituted.

Symbol + after letter grade indicates that the course has been counted towards Second Major also.

Letter M after letter grade indicates that the course has been counted towards Minor also.

Symbol # after letter grade indicates that the student has done this as an extra course which is not counted towards computing of SPI/CPI.

## 3. Medium of Instruction:

The Medium of Instruction for all academic programmes is English.

## 4. Class or Division:

No Class or Division has been awarded in any of the academic programmes since 1982.

## 5. Distinction criteria:

Distinction is awarded to Bachelor of Technology/ Bachelor of Science students with a CPI of 8.5 or higher.

## 6. Percentage:

Institute follows a grade-based system as detailed above. As such no equivalence of CPI to percentage is provided. However, notionally, the CPI may be multiplied by a factor of 10 to obtain a numerical percentage.

भारतीय प्रौद्योगिकी संस्थान कानपुर  
Indian Institute of Technology Kanpur  
शैक्षिक विभाग  
Academic Section



Dated: 28 / 04 / 2023

**TO WHOM IT MAY CONCERN**

This is to certify that:

1. The Institute does not award any class or division since Year 1982.
2. Institute follows a grading system, and awards A\*, A, B, C, D, W, E, F, S, X grades to the students. From Academic Year 2022-23, the Institute has followed a granular grading system, and awards A, A\*, B, B+, C, C+, D, D+, E, F, W, S, X grades to the students. As such no equivalence of CPI to percentage is provided. However, notionally, the CPI may be multiplied by a factor of 10 to obtain a numerical percentage.



  
**Assistant/Joint Registrar**  
**Academic Affairs**  
सहायक कुलसचिव (शैक्षिक कार्य)  
Assistant Registrar (Academic Affairs)  
भारतीय प्रौद्योगिकी संस्थान, कानपुर  
Indian Institute of Technology, Kanpur

**Issued to:**

Name : Rajesh Kumar

Roll No. : 161148





# भारतीय प्रौद्योगिकी संस्थान कानपुर Indian Institute of Technology Kanpur

कार्यालय, अधिष्ठाता शैक्षिक कार्य  
DEAN OF ACADEMIC AFFAIRS OFFICE

डाकघर - आई.आई.टी. कानपुर- 208016 (भारत)  
Post Office: IIT Kanpur - 208016 (India)

कार्यालय: office : (0512)259 7288/7235/7199/6864 • ई-मेल / email : doaa@iitk.ac.in

No. A(U)/ 161148/2023  
April 28, 2023

## TO WHOM IT MAY CONCERN

This is to certify that the Academic Senate of the Institute has accepted the proposal of the Inter University Board of India and Ceylon for discontinuing the issue of Migration Certificate. In pursuance of the decision of Senate, the procedure of issuance of Migration Certificate to the students who complete any course of study at the Institute has been done away with.

However, this Institute has **NO OBJECTION** if **Mr. Rajesh Kumar** (Roll No. **161148**), who has completed the **Master of Science (MSc 2-Year)** degree programme (fulltime) in **Physics** department at this Institute in May 2018, to pursue further studies in any other Institute/ University.



  
**Assistant Registrar  
(Academic Affairs)**

सहायक कुलसचिव (शैक्षिक कार्य)  
Assistant Registrar (Academic Affairs)  
भारतीय प्रौद्योगिकी संस्थान, कानपुर  
Indian Institute of Technology, Kanpur