Roll No.: 161148

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.







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.

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INDIAN INSTITUTE OF TECHNOLOGY KANPUR **ACADEMIC SECTION GRADE REPORT**

Roll No.: 161148

Name: RAJESH KUMAR

Department : PHYSICS

Degree : MASTER OF SCIENCE(2-YR)

Year & Semester	Course No.	Course Title INDIAN INSTITUTE OF TECH	Credit	GRADE	SPI CHN	CPI
WAN INSTITUTE OF	DEIG OGY KANPUS	INDIAN INSTITUTE OF TECHNOLOGY KANPUR INDIAN INSTITUTE OF TECHNOLOGY KANPUR INDIAN INSTITUTE OF TECHNOLOGY KANPUR INDIANA INSTITUTE OF TECHNOLOGY KANPUR INDIANA INSTITUTE OF TECHNOLOGY KANPUR INSTITUTE OF TECHNOLOGY K	INDLOGY KANE	UR INDIAN INS	FITUTE OF TECHNO	LOGY KAN
2016-17 FIRST	PHY401A	CLASSICAL MECHANICS I	NOLOGY KANE	UR ADIAN INS	TITUTE OF TECHNO	LOGY KAN
	PHY421A	MATHEMATICAL METHODS I	LOC11AN	UR BOIAN INS	TITUTE OF TECHNO	
	PHY431A	QUANTUM MECHANICS I	NOLOG 11AN	UR CDIAN IN	STITUTE OF TECHNO	
	PHY441A	ELECTRONICS CHANGE KAMPUR AND INSTITUTE OF THE	LOC11	C COMMIN	TITUTE OF TECHNO	
	PHY461A	EXPERIMENTAL PHYSICS I	N LOG 8 N	UR BOIAN INS UR BOIAN INS UR INDIAN INS	STITUTE OF TECHNO STITUTE OF TECHNO STITUTE OF TECHNO	
2016-17	ME601A	LANGUAGE AND STYLE OF SCHOLARLY	9	В	7.6	7.6
SECOND	DAOLOGICALPU	COMMUNICATION	OLUGY KA	OR INDIAN AN	TITUTE OF TECHNO	
AN INSTITUTE OF	PHY412A	STATISTICAL MECHANICS	11	C	TUTE OF TECHNO	
AN PASTITUTE OF	PHY432A	QUANTUM MECHANICS II	LOG11	UR B	TITUSE OF TECHNO	
	PHY462A	EXPERIMENTAL PHYSICS II	8	В	TITUTE OF TECHNO	
	PHY473A	COMPUTATIONAL PHYSICS	8	В	TUTE OF TECHN	
	FRITISA	INDEX INSTITUTE OF TECHNOLOGY KANPUR INDIAN INSTITUTE OF TELE	NOLOGY KAN	UR INDIAN IN	TEUTE OF TECHNI	LOGY KAN
	SV APUI	RINDIAN ASTITUTE OF TECHNOLOGY KANPUT INDIAN INSTITUTE OF TECHNOLOGY KANPUT INDIAN INSTITUTE OF TECH	IN A DGY KASH	UR INDIANA	7.5	7.6
2017-18	PHY543A	CONDENSED MATTER PHYSICS I	INDLOG KAN	B AN	TITUTE OF TECHNIC	LOGY KAN
FIRST	PHY552A	CLASSICAL ELECTRODYNAMICS I	NULOGIIANE	UR BOANIN	THE OF TECHNA	LOGY KAN
	PHY563A	M.SC. PROJECT I NOLOGY AND REMOVED INSTITUTE OF TECH	N LOG 11	UA BDIAN INS	TUTE OF TECHNO	
	PHY565A	M.SC. PROJECT II	11	В	TO THE OF THE INC	
	PHY690G	COHERENCE & QUANTUM ENTANGLEMENT	INDLOGY SANI INDLOGY SANI INDLOGY KANI	R CDIAN III. L R INDIA INS	STITUTE OF TECHNO	LOBY KAN LOBY KAN
2017-18	PHY524A	INTRODUCTION TO ATOMIC AND NUCLEAR	INDLOGY KANE INDLOGY KANE INDLOGY JAME	С	7.7 CHIN	7.6
SECOND		PHYSICS OF CAROGY AND AND INSTALL FOR	INDLOGY KANF INDLOGY KANF	UE INDIAN IN	TITUTE OF TECHNO	LOCY KAN
	PHY566A	M.SC. PROJECT III	N LOG 11	В	TITUE OF EGINE	LOW KAN
	PHY568A	M.SC. PROJECT IV	NO 11	B IAN IN	FITURE OF TECHNO	LOGY KAN
	PHY682A	CONCEPTS OF PLASMA PHYSICS	9	С	TITUTE OR SECHUR	
	PHY690V	PHOTONIC DEVICES	N DLOGY 9	C	THE COLUMN	LO BY KAN
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Academic Section

Phone Nos.: +91 512 259-7288 / 7199 / 7669

Deputy/Asst. Registrar

1. Grading System

Performance	Numerical Value
Outstanding	10
Excellent	10
Good	8
Average	6
Marginal	4
Exposure	2
Fail	0
Satisfactory	-
Waiver	· · · · · · · · · · · · · · · · · · ·
Unsatisfactory	
	Outstanding Excellent Good Average Marginal Exposure Fail Satisfactory Waiver

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:

- The Institute does not award any class or division since Year 1982. 1.
- 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.

Indian Institute of Technology, Kanpur

Assistant/Joint Registrar Academic Affairs 1 सहायक कुलसचिव (शैक्षिक कार्य) Assistant Registrar (Academic Affairs भारतीय प्रौद्यागिकी शस्थान, कानपर

Issued to:

Name

: Kajesh 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.

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Assistant Registrar (Academic Affairs) सहायक कुलसचिव (शैक्षिक कार्य X/ Assistant Registrar (Academic Affairs) भारतीय प्रौद्योगिकी संस्थान कानपर

भारतीय प्रौद्योगिकी संस्थान, कानपुर Indian Institute of Technology, Kanpur