

भारतीय विज्ञान शिक्षा एवं अनुसंधान संस्थान कोलकाता

INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH KOLKATA

Transcript of Academic Records for Anuran Pal, Roll No: 16MS152

Major: Physical Sciences

5 Year BS-MS Dual Degree Programme

Medium of Instructions: English



CH1101 Elements of Chemistry CH1102 Chemistry Lab I CS1101 Introduction to Computer Programming I ES1101 Earth and Planetary Sciences Communicative English and Sociology I Introduction to Biology I	Session: 2016-17			
Code	Course Title CATION AND RESEARCH KOUKATA	Туре	Credit	Grade
CH1101	Elements of Chemistry	PTHAN	3.0	B+
CH1102	Chemistry Lab I	L	3.0	A
CS1101	Introduction to Computer Programming I	L	3.0	Α
ES1101	Earth and Planetary Sciences	THAN	3.0	A
HU1101	Communicative English and Sociology I	T	2.0	B+
LS1101	Introduction to Biology I	Т	3.0	B+
LS1102	Biology Laboratory IN AND RESEARCH KOLKATA	INDIAN	3.0	B+
MA1101	Mathematics I AND RESEARCH KOLKATA	TAN	3.0	A+
PH1101	Physics I	T	3.0	Α
PH1102	Physics Laboratory I N AND RESEARCH KOLKAYA	INDIAN	3.0	A
Total sem	ester credit: 29.0 SGPA: 8.72		CGPA	: 8.72

Semester	DESENCE EDUCATION AND RESEARCH KOLK	Sessio	n: 2016-	17
Code	Course Title CANON AND PLSEARCH KOLL	Туре	Credit	Grade
CH1201	General Physical Chemistry	T	3.0	B+
CH1202	Physical Chemistry Laboratory	L	3.0	В
CS1201	Introduction to Computer Programming	L	3.0	A
ES1201	Earth System Processes	AINTIAN	3.0	В
HU1201	Communicative English and Sociology II	A INTIAN	2.0	B+
LS1201	Introduction to Biology II	A INTHAN	3.0	B+
LS1202	Biology Laboratory II	A INDIAN	3.0	A
MA1201	Mathematics II	A INTHAN	3.0	A
PH1201	Physics II OUCATION AND RESEARC	A INTHAN	3.0	A+
PH1202	Physics Laboratory II	AINEIAN	3.0	B+
Total sen	nester credit: 29.0 SGPA: 8.31		CGPA	: 8.52

Semester	: MIENCE EDUCATION AND RESEARC A	Sessio	n: 2017-	18
Code	Biogeochemical Cycles and Surface Processes Hydrology and Geomorphology Analysis I Linear Algebra I		Credit	Grade
ES2101	Biogeochemical Cycles and Surface Processes	INTHAN	4.0	B+
ES2102	Hydrology and Geomorphology	TIAN	4.0	A
MA2101	Analysis I	T	3.0	C
MA2102	Linear Algebra I	TIAN	3.0	C
MA2103	Mathematics III TION AND RESEARC	T	2.0	D
PH2101	Physics III	T	3.0	В
PH2102	Electricity and Electronics	T	2.0	В
PH2103	Physics Laboratory III AND BUSICARC OL A	II L	3.0	Α
Total sen	nester credit: 24.0 SGPA: 7.33		CGPA	: 8.17

Semester: 1V		JURATA INURA	Session: 2017-18		
Code	Course Title	DUKATA INC. TIT	Туре	Credit	Grad
ES2201	Geophysics	DEKATA 6111	WIETOF S	4.0	C
ES2202	Basic Structural Geology a	nd Tectonics	T	4.0	C
MA2201	Analysis II		T	3.0	D
MA2202	Probability I		UTET S	3.0	В
MA2203	Mathematics IV		T	2.0	В
PH2201	Physics IV		T	3.0	B+
PH2202	Thermal Physics		UTETOF S	2.0	В
PH2203	Physics Laboratory IV		UTEL S	3.0	A
Total sen	ester credit: 24.0	SGPA: 6.79		CGPA	7.86

Semester: V		Session: 2018-19			
Ī	Code Course Title MA3103 Introduction to Graph Theory PH3101 Intermediate Classical Mechanics PH3102 Intermediate Quantum Mechanics		Туре	Credit	Grade
i	MA3103	Introduction to Graph Theory	JIET	4.0	В
	PH3101	Intermediate Classical Mechanics	T	4.0	В
	PH3102	Intermediate Quantum Mechanics	T	4.0	A
	PH3103	Mathematical Methods of Physics NAM INSTITU	T	4.0	В
	PH3104	Electronics Laboratory	L	4.0	B+
	PH3105	Computational Physics	L	4.0	Α
	Total sen	ester credit: 24.0 SGPA: 7.83		CGPA	: 7.85

Semester	VI M AND RESEARCH KOLKATA INDIAN	Sessio	n: 2018-	19
Code	Course Title ESEARCH KOLKATA IND	Туре	Credit	Grade
MA3202	Geometry of Curves and Surfaces	T	4.0	С
PH3201	Basic Statistical Mechanics	T	4.0	В
PH3202	Intermediate Electricity and Magnetism	T	4.0	٨
PH3203	Advanced Quantum Mechanics	T	4.0	B+
PH3204	Advanced Optics Laboratory	TEL S	4.0	В
PH3205	Basic Nuclear Physics - Theory and Laboratory	UTELDE	4.0	A
Total sem	nester credit: 24.0 SGPA: 7.67		CGPA	: 7.82

PH4102 Introductory Astrophysics PH4103 Condensed Matter Laborato PH4104 Nonlinear Dynamics PH4106 Basics of Field Theory an Mechanics	: VII		Session: 2019-20		
Code	Course Title	TE OF SCIENCE	Туре	Credit	Grade
PH4101	Basic Condensed Matter Physics	ITE OF SCIENCE	T	4.0	Α
PH4102	Introductory Astrophysics		T	4.0	Α
PH4103	Condensed Matter Laboratory		L	4.0	A
PH4104	Nonlinear Dynamics		TCA	4.0	A+
PH4106	Basics of Field Theory and Rela	tivistic Quantum	T	4.0	A+
	Mechanics				
SS4101	Space Astronomy		T	4.0	Α
Total sen	nester credit: 24.0	SGPA: 9.33		CGPA	: 8.03

PH4204 High Energy Physics PH4205 General Theory of Relativ PH4207 Quantum Information Proc PH4209 Quantum Field Theory II	MSTITUTE OF SCIENC	Sessio	20		
Code	Course Title	NUMBER OF SCHOOL	Туре	Credit	Grade
MA4207	Machine Learning and Netv	vork Analysis	EETCAT	4.0	Α
PH4204	High Energy Physics		EEDTCAT	4.0	A
PH4205	General Theory of Relativit	y and Cosmology	T	4.0	B+
PH4207	Quantum Information Proce	essing	T	4.0	B+
PH4209	Quantum Field Theory II		EDTCAT	4.0	A+
PH4210	Evolutionary Dynamics		Т	4.0	A+
Total ser	mester credit: 24.0	SGPA: 9.0		CGPA	: 8.14

Semester	: IX		Sessio	n: 2020-2	21
Code	Course Title	INSTITUTE OF SCIENC	Туре	Credit	Grade
CS3101	Programming and Data St	ructures I	L	4.0	Λ+
PH5101	BS-MS Project		P	16.0	A+
PH5102	Independent Study		EEPCAT	4.0	A
Total sem	ester credit: 24.0	SGPA: 9.83		CGPA	: 8.32

Semester	X CH KOLKATA INDIA		Sessio	n: 2020-	21
Code	Course Title	N INSTITUTE OF SCIENC	Туре	Credit	Grade
PH5201	MS Project	N INSTITUTE OF SCIENC	P	24.0	A+
Total sen	iester credit: 24.0	SGPA: 10.0		CGPA	8.48

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Verified by

Date: August 2, 2021



Assistant Registrar (Academic)

Dean of Academic Affairs



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Transcript of Academic Records for Anuran Pal, Roll No: 16MS152

Major: Physical Sciences

5 Year BS-MS Dual Degree Programme

Medium of Instructions: English



Course details: CH: Chemical Sciences, CS: Computer Sciences, ES: Earth Sciences, HU: Humanities, ID: Interdisciplinary, LS: Biological Sciences, MA: Mathematical Sciences, PH: Physical Sciences, SS: Space Sciences

Course types: T: Theory, L: Laboratory, P: Project

Grading System

Semester Grade Point Average (SGPA) =
$$\sum_{i=1}^{m} C_i . G_i / \sum_{i=1}^{m} C_i$$
,

Grade	Grade Point
A+	10
A	9
B+	8
В	7
C	6
D	5
F	0

where m is the total number of courses the student has registered in a particular semester, C_i is the number of credits allotted to i^{th} course and G_i is the grade point corresponding to the letter grade (as per the adjacent table) awarded to the student for the i^{th} course. The SGPA is rounded off to the second place of decimal. This SGPA reflects the student's performance for the semester.

Cumulative Grade Point Average (CGPA) =
$$\sum_{i=1}^{n} C_i . G_i / \sum_{i=1}^{n} C_i$$
,

where n is the total number of courses the student has registered from the first semester onwards up to and including the student's last completed semester, C_i is the number of credits allotted to i^{th} course and G_i is the grade point corresponding to the letter grade awarded to the student for the i^{th} course. The CGPA is rounded off to the second place of decimal. The CGPA would indicate the cumulative performance of the student from the first semester up to the end of the semester to which it refers.