

# INDIAN INSTITUTE OF TECHNOLOGY KHARAGPUR

## Performance Details

Roll No.	Name	Department	Course Name	Minor Course Name :	Micro Specialisation Name :
13PH20011	Arnab Barman Ray	PHYSICS	PHYSICS (M.Sc. 5Y)	-	PHOTONICS

### Semester : 1

Curricula Summery		Depth	Elective		Breadth		HSS	IEM	Cumulative Total	
Curricula - Registered - Cleared		8 - 8 - 8	0 - 0 - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	8 - 8 - 8	
Subno	Subject Name	Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.
CY11001	CHEMISTRY	Depth	3-1-0	4	1	AU-13-14(P)			A	Already Registered
CY19001	CHEMISTRY LAB.	Depth	0-0-3	2	1	AU-13-14(P)			A	Already Registered
EA10001	EXTRA ACADEMIC ACTIVITY-I	Depth	0-0-3	0	1	AU-13-14(P)			P	Already Registered
EE11001	ELECTRICAL TECHNOLOGY	Depth	3-1-0	4	1	AU-13-14(P)			C	Already Registered
EE19001	ELECTRICAL TECHNOLOGY LAB.	Depth	0-0-3	2	1	AU-13-14(P)			B	Already Registered
HS13001	ENGLISH FOR COMMUNICATION	Depth	3-0-2	4	1	AU-13-14(P)			A	Already Registered
MA10001	MATHEMATICS-I	Depth	3-1-0	4	1	AU-13-14(P)			EX	Already Registered
ME19001	INTRODUCTION TO MANUFACTURING PROCESSES	Depth	0-0-3	2	1	AU-13-14(P)			A	Already Registered

Performance Summery	TCT - TCC	SCT - SCC	NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 1	22 - 22	22 - 22	8.73 - 8.73 - 8.73		0 - 0		0 - 0		0.00 - 0.00

### Semester : 2

Curricula Summery		Depth	Elective		Breadth		HSS	IEM	Cumulative Total	
Curricula - Registered - Cleared		8 - 8 - 8	0 - 0 - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	16 - 16 - 16	
Subno	Subject Name	Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.
CE13001	ENGINEERING DRAWING AND COMPUTER GRAPHICS	Depth	1-0-3	3	2	SP-13-14(P)			B	Already Registered
CS11001	PROGRAMMING AND DATA STRUCTURE	Depth	3-1-0	4	2	SP-13-14(P)			B	Already Registered
CS19001	PROGRAMMING AND DATA STRUCTURE LAB.	Depth	0-0-3	2	2	SP-13-14(P)			D	Already Registered
EA10002	EXTRA ACADEMIC ACTIVITY-II	Depth	0-0-3	0	3,2	SP-13-14(P),AU-14-15(P)			P	Already Registered
MA10002	MATHEMATICS-II	Depth	3-1-0	4	2	SP-13-14(P)			B	Already Registered
ME10001	MECHANICS	Depth	3-1-0	4	2	SP-13-14(P)			C	Already Registered
PH11001	PHYSICS	Depth	3-1-0	4	2	SP-13-14(P)			C	Already Registered
PH19001	PHYSICS LAB.	Depth	0-0-3	2	2	SP-13-14(P)			EX	Already Registered

Performance Summery	TCT - TCC	SCT - SCC	NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 2	45 - 45	23 - 23	8.18 - 8.18 - 7.65		0 - 0		0 - 0		0.00 - 0.00

### Performance Details of 13PH20011

Semester : 3													
Curricula Summery		Depth		Elective		Breadth		HSS	IEM	Cumulative Total			
Curricula - Registered - Cleared		6 - 6 - 6		0 - 0 - 0		1 - 1 - 1		0 - 0 - 0	0 - 0 - 0	23 - 23 - 23			
Subno	Subject Name			Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.	
MA20101	TRANSFORM CALCULUS			Depth	3-0-0	3	3	AU-14-15(P)			B	Already Registered	
PH20003	PHYSICS-II			Depth	3-1-0	4	3	AU-14-15(P)			A	Already Registered	
PH21001	ELECTRODYNAMICS-I			Depth	3-1-0	4	3	AU-14-15(P)			EX	Already Registered	
PH20007	CLASSICAL MECHANICS-I			Depth	3-1-0	4	3	AU-14-15(P)			A	Already Registered	
EA10003	EXTRA ACADEMIC ACTIVITY-III			Depth	0-0-3	0	4,5	AU-15-16(P),SP-14-15(P)			P	Already Registered	
PH29001	GENERAL PROPERTIES & THERMAL PHYSICS LAB			Depth	0-0-6	4	3	AU-14-15(P)			A	Already Registered	
MS31007	MATERIAL SCIENCE			Breadth-I(IT/Mngt.)	3-0-0	3	3	AU-14-15(P)			A	Already Registered	
Performance Summery		TCT - TCC		SCT - SCC		NCGPA - CGPA - SGPA			ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 3		67 - 67		22 - 22		8.46 - 8.46 - 9.05			0 - 0		0 - 0		0.00 - 0.00
Semester : 4													
Curricula Summery		Depth		Elective		Breadth		HSS	IEM	Cumulative Total			
Curricula - Registered - Cleared		9 - 9 - 9		0 - 0 - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	32 - 32 - 32			
Subno	Subject Name			Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.	
HS20001	ECONOMICS			Depth	3-1-0	4	4	SP-14-15(P)			A	Already Registered	
EC21101	BASIC ELECTRONICS			Depth	3-1-0	4	4	SP-14-15(P)			EX	Already Registered	
BS20001	SCIENCE OF LIVING SYSTEM			Depth	2-0-0	2	4	SP-14-15(P)			C	Already Registered	
EA10004	EXTRA ACADEMIC ACTIVITY-IV			Depth	0-0-3	0	6	SP-15-16(P)			P	Already Registered	
EC29001	BASIC ELECTRONICS LAB.			Depth	0-0-3	2	4	SP-14-15(P)			EX	Already Registered	
EV20001	ENVIRONMENTAL SCIENCE			Depth	2-0-0	2	4	SP-14-15(P)			C	Already Registered	
PH21004	THERMAL PHYSICS			Depth	3-0-0	3	4	SP-14-15(P)			A	Already Registered	
PH20101	FLUID MECHANICS AND ELASTICITY			Depth	3-0-0	3	4	SP-14-15(P)			A	Already Registered	
PH29008	ELECTROMAGNETISM & OPTICS LAB - I			Depth	0-0-6	4	4	SP-14-15(P)			EX	Already Registered	
Performance Summery		TCT - TCC		SCT - SCC		NCGPA - CGPA - SGPA			ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 4		91 - 91		24 - 24		8.63 - 8.63 - 9.08			0 - 0		0 - 0		0.00 - 0.00

### Performance Details of 13PH20011

Semester : 5											
Curricula Summery		Depth	Elective		Breadth		HSS	IEM	Cumulative Total		
Curricula - Registered - Cleared		7 - 7 - 7	0 - 0 - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	39 - 39 - 39		
Subno	Subject Name		Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.		Grade	Register Status.	
PH39003	ELECTRONICS LAB.		Depth	0-0-3	2	5	AU-15-16(P)		A	Already Registered	
PH31011	QUANTUM MECHANICS I		Depth	3-1-0	4	5	AU-15-16(P)		B	Already Registered	
PH31013	MATHEMATICAL METHODS I		Depth	3-1-0	4	5	AU-15-16(P)		C	Already Registered	
PH31009	ELECTRONICS FOR PHYSICISTS		Depth	3-0-0	3	5	AU-15-16(P)		B	Already Registered	
PH39005	ELECTROMAGNETISM & OPTICS LAB - II		Depth	0-0-6	4	5	AU-15-16(P)		A	Already Registered	
PH31007	CLASSICAL MECHANICS-II		Depth	3-0-0	3	5	AU-15-16(P)		A	Already Registered	
PH31003	ELECTRODYNAMICS-II		Depth	3-0-0	3	5	AU-15-16(P)		C	Already Registered	
Performance Summery		TCT - TCC	SCT - SCC		NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 5		114 - 114	23 - 23		8.52 - 8.52 - 8.09		0 - 0		0 - 0		0.00 - 0.00

Semester : 6											
Curricula Summery		Depth	Elective		Breadth		HSS	IEM	Cumulative Total		
Curricula - Registered - Cleared		9 - 9 - 9	0 - 0 - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	48 - 48 - 48		
Subno	Subject Name		Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.		Grade	Register Status.	
PH49016	NUCLEAR & PARTICLE PHYSICS LAB I		Depth	0-0-3	2	6	SP-15-16(P)		A	Already Registered	
PH41010	QUANTUM MECHANICS-II		Depth	3-0-0	3	6	SP-15-16(P)		B	Already Registered	
PH41016	NUCLEAR AND PARTICLE PHYSICS -I		Depth	3-0-0	3	6	SP-15-16(P)		A	Already Registered	
PH41014	CONDENSED MATTER PHYSICS-I		Depth	3-0-0	3	6	SP-15-16(P)		C	Already Registered	
PH39008	ELECTROMAGNETISM & OPTICS LAB - III		Depth	0-0-3	2	6	SP-15-16(P)		A	Already Registered	
PH49012	COMPUTATIONAL PHYSICS LAB.		Depth	0-0-3	2	6	SP-15-16(P)		A	Already Registered	
PH38002	COMPREHENSIVE VIVA VOCE - I		Depth	0-0-0	2	6	SP-15-16(P)		EX	Already Registered	
PH41008	MATHEMATICAL METHODS -II		Depth	3-0-0	3	6	SP-15-16(P)		EX	Already Registered	
PH41012	COMPUTATIONAL METHODS		Depth	2-0-0	2	6	SP-15-16(P)		A	Already Registered	
Performance Summery		TCT - TCC	SCT - SCC		NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 6		136 - 136	22 - 22		8.57 - 8.57 - 8.82		0 - 0		0 - 0		0.00 - 0.00

### Performance Details of 13PH20011

Semester : 7											
Curricula Summery		Depth	Elective		Breadth		HSS	IEM	Cumulative Total		
Curricula - Registered - Cleared		6 - 6 - 6	0 - 0 - 0		0 - 0 - 0		0 - 0 - 0	1 - 1 - 1	55 - 55 - 55		
Subno	Subject Name	Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.	
PH49001	CONDENSED MATTER PHYSICS LAB I	Depth	0-0-6	4	7	AU-16-17(P)			A	Already Registered	
PH41017	CONDENSED MATTER PHYSICS-II	Depth	3-0-0	3	7	AU-16-17(P)			A	Already Registered	
PH49019	NUCLEAR AND PARTICLE PHYSICS LAB-II	Depth	0-0-3	2	7	AU-16-17(P)			EX	Already Registered	
PH41023	STATISTICAL PHYSICS-I	Depth	3-1-0	4	7	AU-16-17(P)			B	Already Registered	
PH41004	OPTICS	Depth	3-0-0	3	7	AU-16-17(P)			EX	Already Registered	
PH41019	NUCLEAR AND PARTICLE PHYSICS -II	Depth	3-0-0	3	7	AU-16-17(P)			A	Already Registered	
EP60022	TECHNOLOGY ENTREPRENEURSHIP	IEM	2-1-0	3	7	AU-16-17(P)			B	Already Registered	
TS70006	QUANTUM MECHANICS AND QUANTUM COMPUTING	Additional	3-1-0	4	7	AU-16-17(P)			B	Already Registered	
Performance Summery		TCT - TCC	SCT - SCC		NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 7		158 - 158	22 - 22		8.61 - 8.61 - 8.91		4 - 4		4 - 4		8.00 - 8.00
Semester : 8											
Curricula Summery		Depth	Elective		Breadth		HSS	IEM	Cumulative Total		
Curricula - Registered - Cleared		4 - 4 - 4	2() - 2 - 2		0 - 0 - 0		1 - 1 - 1	0 - 0 - 0	62 - 62 - 62		
Subno	Subject Name	Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.	
PH59008	MODERN PHYSICS LAB.	Depth	0-0-3	2	8	SP-16-17(P)			A	Already Registered	
PH49014	CONDENSED MATTER PHYSICS LAB-II	Depth	0-0-6	4	8	SP-16-17(P)			A	Already Registered	
PH41009	ORDER AND CHAOS	Depth	3-0-0	3	8	SP-16-17(P)			A	Already Registered	
PH52002	ATOMIC AND MOLECULAR PHYSICS	Depth	3-0-0	3	8	SP-16-17(P)			EX	Already Registered	
PH60033	ADVANCED COMPUTATIONAL PHYSICS	Elective-I	3-1-0	4	8	SP-16-17(P)			EX	Already Registered	
PH60030	NON- LINEAR OPTICS	Elective-II	3-1-0	4	8	SP-16-17(P)			A	Already Registered	
HS30074	SCIENCE AND HUMANISM	HSS	3-0-0	3	8	SP-16-17(P)			A	Already Registered	
CS21003	ALGORITHMS - I	Additional	3-1-0	4	8	SP-16-17(P)			A	Already Registered	
CS29003	ALGORITHMS LABORATORY	Additional	0-0-3	2	8	SP-16-17(P)			EX	Already Registered	
Performance Summery		TCT - TCC	SCT - SCC		NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 8		181 - 181	23 - 23		8.70 - 8.70 - 9.30		10 - 10		6 - 6		8.80 - 9.33

### Performance Details of 13PH20011

Semester : 9												
Curricula Summery			Depth		Elective		Breadth		HSS	IEM	Cumulative Total	
Curricula - Registered - Cleared			4 - 4 - 0		3(1-O ) - 3(1-O) - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	69 - 69 - 62	
Subno	Subject Name			Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.
PH58033	SUMMER TRAINING			Depth	0-0-0	2	9	AU-17-18()				Currently Registered
PH51023	STATISTICAL PHYSICS-II			Depth	3-0-0	3	9	AU-17-18()				Currently Registered
PH57001	PROJECT PART-I			Depth	0-0-12	8	9	AU-17-18()				Currently Registered
PH51001	EXPERIMENTAL METHODS			Depth	3-0-0	3	9	AU-17-18()				Currently Registered
PH60108	MESOSCOPIC PHYSICS			Elective IV(Flexi)	3-0-0	3	9	AU-17-18()				Currently Registered
PH60303	INTRODUCTION TO QUANTUM FIELD THEORY I			Elective-III	3-0-0	3	9	AU-17-18()				Currently Registered
PH60011	PHYSICS OF MATERIALS			Elective-V	3-1-0	4	9	AU-17-18()				Currently Registered
Performance Summery		TCT - TCC		SCT - SCC		NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 9		-		-		- -		-		-		-
Semester : 10												
Curricula Summery			Depth		Elective		Breadth		HSS	IEM	Cumulative Total	
Curricula - Registered - Cleared			2 - 0 - 0		3(1-O ) - 0 - 0		0 - 0 - 0		0 - 0 - 0	0 - 0 - 0	74 - 69 - 62	
Subno	Subject Name			Sub. Type	L-T-P	Credit	Reg. Sem.	Register Session.			Grade	Register Status.
PH58042	COMPREHENSIVE VIVA VOCE-II			Depth	0-0-0	2						Not Yet Registered
PH57002	PROJECT PART-II			Depth	0-0-15	10						Not Yet Registered
				Elective VIII(Flexi)								Not Yet Registered
				Elective-VI								Not Yet Registered
				Elective-VII								Not Yet Registered
Performance Summery		TCT - TCC		SCT - SCC		NCGPA - CGPA - SGPA		ATCT - ATCC		ASCT - ASCC		ACGPA - ASGPA
Semester - 10		-		-		- -		-		-		-