



**INDIAN INSTITUTE OF TECHNOLOGY
(BANARAS HINDU UNIVERSITY)**

Varanasi – 221005, INDIA
Roll number: 12410EN008
Transcript of Academic Record of: Harshit Verma
Integrated M-Tech Engineering Physics, Department of Physics, Indian Institute of Technology (BHU), Varanasi

Integrated M-Tech Part I, Semester 1, 2012-13		Integrated M-Tech Part II, Semester 3, 2013-14		Integrated M-Tech Part III, Semester 5, 2014-15		Integrated M-Tech Part IV, Semester 7, 2015-16		Integrated M-Tech Part V, Semester 9, 2016-17										
Papers	Credits Assigned To the Subject	Grade obtained	Papers	Credits Assigned To the Subject	Grade obtained	Papers	Credits Assigned To the Subject	Grade obtained	Credits Assigned To the Subject									
Theory: AM-1102: Mathematics AP-1102: Physics AC-1102: Chemistry ME-1102: Thermodynamics PC-1101: Professional Communication ES-1101: Environmental Studies Practicals: AP-1302: Physics Lab. AC-1301: Chemistry Lab. ME-1303: Workshop Practice	9 9 9 9 6 8 3 3 3	C B B C C B B A A	Theory: AP-2101: Thermal Physics AP-2102: Quantum Physics AM-2101: Mathematical Methods AC-2101: Chemistry of Polymers & Components EE-2112A: Electrical Engineering Practicals: AP-2301: Physics Lab. AC-2301: Chemistry Lab. AM-2301: Computer Lab.	9 9 9 9 9 9 3 3 3	A* A A C B A A A A	Theory: AP-3101: Space Physics AP-3102: Physics of Materials AP-3103: Digital Electronics & Microprocessors AP-3104: Semi-conductor Physics & Devices AM-3105: Linear Algebra MS-3105A: Crystallography & Crystal Structure Practicals: AP-3301: Physics Lab EC-3312A: Digital Communication Lab EE-3312A: Electrical Engg. Lab.	9 9 9 9 9 9 3 3 3	A A B A A C A A A	Theory: AP-4101: Alternative Energy Resources AP-4102: Elements of Fiber Optics AP-4103: Quantum Electronics EE-4104: Condensed Matter Physics EC-4112A: Digital Control System EC-4112A: Optical Communication Practicals: AP-4301: Physics Lab EC-4312A: Optical Communication Lab AP-4302: Seminar / Group Discussion AP-4303: Summer Training	9 9 9 9 9 9 3 3 2	A A A A A A A* A- A A A- A	Theory: AP-5101: Physics of Atmospheric Sciences AP-5102: Fiber & Integrated Optics AP-5105: Fluids & Plasmas AP-5104: Photonics & Optoelectronics AP-5106: Microwave Remote Sensing Practicals: AP-5301: Physics Lab AP-5302: Dissertation Interim Evaluation AP-5303: Seminar on Dissertation	9 9 9 9 9 9 3 3 5	A B A A- B- B- A* A- A A A- A	Total Credits Sum of (Credits x Grade Points) obtained in Ninth Semester Ninth Semester Performance Index (SPI)	58 396 8.25	Total Credits Sum of (Credits x Grade Points) obtained in Ninth Semester Ninth Semester Performance Index (SPI)	58 396 8.25
First Semester Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Integrated M-Tech Part I, Semester 2, 2012-13		Integrated M-Tech Part II, Semester 4, 2013-14		Integrated M-Tech Part III, Semester 6, 2014-15		Integrated M-Tech Part IV, Semester 8, 2015-16		Integrated M-Tech Part V, Semester 10, 2016-17										
Papers	Credits Assigned To the Subject	Grade obtained	Papers	Credits Assigned To the Subject	Grade obtained	Papers	Credits Assigned To the Subject	Grade obtained	Credits Assigned To the Subject									
Theory: AM-1201: Mathematics AP-1201: Physics AC-1201: Chemistry ME-1201: Engineering Mechanics AM-1203: Computer Programming & Graphics Practicals: ME-1400: Engineering Drawing AP-1401: Physics Lab. AM-1401: Computer Lab. ME-1402: Workshop Practice	9 9 9 9 11 4 3 2 3	B A C B B D S S A	Theory: AP-2201: Electromagnetic Theory & Wave Guide AP-2202: Fluid Dynamics AM-2201: Numerical Analysis AC-2201: Chemical Thermodynamics EE-2212A: Power Transmission & Distribution EC-2212A: Analog Circuit & Systems Practicals: AP-2401: Physics Lab AC-2401: Chemistry Lab AM-2401: Computer Lab	9 9 9 9 9 9 3 3 3	B A B A C B A* A A	Theory: AP-3201: Advanced Electromagnetic Theory & Special Relativity AP-3202: Atomic Physics & Nuclear Engineering AP-3203: Microwave and Radar Engineering AP-3204: Statistical Mechanics AM-3203: Statistics & Stochastic Process HU-3201: History of Science & Technology Practicals: AP-3401: Physics Lab EC-3412A: Microwave Engg. Lab. EE-3412A: Electrical Engg. Lab.	9 9 9 9 9 9 3 3 3	A A A A A B- A- A- A- A	Theory: AP-4201: Magneto-hydrodynamics AP-4202: Nano Materials AP-4203: Elements of Microwave Remote Sensing AP-4204: Instrumentation, Measurement & Analysis AP-4205: Seismology & Helioseismology Practicals: AP-4401: Physics Laboratory EC-4412A: CAD Laboratory AP-4402: Project	9 9 9 9 9 3 3 6	A A A A A A A A	Total Credits Sum of (Credits x Grade Points) obtained in Sixth Semester Sixth Semester Performance Index (SPI)	63 531 8.43	Total Credits Sum of (Credits x Grade Points) obtained in Sixth Semester Sixth Semester Performance Index (SPI)	63 531 8.43			
Second Semester	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Second Semester Result	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Cumulative Performance Index	7.89	8.08	8.31	8.43	8.43	8.43	8.43	8.43	8.43									
5-YEAR M.TECH. (I.M.D.) PART I COURSE	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Cumulative Performance Index	7.89	8.08	8.31	8.43	8.43	8.43	8.43	8.43	8.43									
5-YEAR M.TECH. (I.M.D.) PART II COURSE	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Cumulative Performance Index	7.89	8.08	8.31	8.43	8.43	8.43	8.43	8.43	8.43									
5-YEAR M.TECH. (I.M.D.) PART III COURSE	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Cumulative Performance Index	7.89	8.08	8.31	8.43	8.43	8.43	8.43	8.43	8.43									
5-YEAR M.TECH. (I.M.D.) PART IV COURSE	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Cumulative Performance Index	7.89	8.08	8.31	8.43	8.43	8.43	8.43	8.43	8.43									
5-YEAR M.TECH. (I.M.D.) PART V COURSE	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed	Passed									
Cumulative Performance Index	7.89	8.08	8.31	8.43	8.43	8.43	8.43	8.43	8.43									

It is certified that the above statements are correct.

Refer backside for Legend

Cumulative Performance Index (CPI) up to the end of Tenth Semester: 8.73/10

Assistant Registrar (Acad.-Exams)
सहायक कुलसचिव (शिक्षण-परीक्षा)
भारतीय प्रौद्योगिकी संस्थान
ASSISTANT-REGISTRAR (ACADEMIC)
Indian Institute of Technology (BHU), Varanasi

M. V. ... Institute of Technology
... ..

Legend

<i>(Applicable in Part I only (Absolute scale))</i>		<i>(Applicable from Part II onwards (Relative scale))</i>	
Grade	Grade points	Marks Range	Grade points
	Merit		Merit
S	Outstanding	100-90	A*
A	Excellent	89-80	A
B	Very good	79-70	A-
C	Good	69-60	B
D	Average	59-50	B-
E	Fair	49-40	C
F	Failed	39-00	C-
P	Pass		F
I	Absent		I
			P
			X
			T
			Z

At the end of each semester a candidate is awarded a S.P.I (Semester Performance Index) which is calculated as follows:

$$SPI = \frac{[\text{Sum of (Credits x Grade Points) obtained in each semester}]}{\text{Total Credits of each Semester}}$$

C.P.I (Cumulative Performance Index) is awarded as:

$$CPI = \frac{[\text{Sum of the products (Credit x Grade Point) for all the courses}]}{\text{Sum of the Credits of all courses}}$$

IMPORTANT

Immediately after receipt of Grade-Card candidates are advised to verify and ensure that: (a) the name, roll number and enrolment number have been correctly written; (b) the grade have been entered against the subjects offered/ appeared; (c) the total Credits mentioned at the bottom are correct; and (d) there is no overwriting or erasing. In the event of any inaccuracy/ discrepancy in regard to any of the above, they are advised to inform the controller of examinations, IIT (BHU) within a week of the receipt of Grade-Card.

Minimum graduation Requirement

- i.) Pass grade in all course
- ii.) Earned required credits
- iii.) CPI = 5.00

From SPI/CPI, the equivalent average percentage of marks may be obtained by using the following formula:

$$X=10Y$$

Where, X is the equivalent average percentage of marks and Y is SPI/CPI, as the case may be.