भारतीय प्रौद्योगिकी संस्थान पटना
Indian Institue of Technology Patna

Roll No: 0401CS08   **Name:** Major Thorald   **Year of Admission:** 2004

Programmme: Bachelor of Technology   **Course:** Computer Science and Engineering

Semester 1

Sub Code	Subject Name	L-T-P	CRD	GRD
CH101	Chemistry - I	3-1-0	8	BB
CH110	Chemistry Laboratory	0-0-3	3	AA
EE101	Electrical Sciences	3-1-0	8	BB
HS101	English : Language Through Literature	3-0-0	6	AB
MA101	Mathematics - I	3-1-0	8	BB
ME111	Engineering Drawing	2-0-3	7	BB
PH101	Physics - I	2-1-0	6	AA
PH110	Physics Laboratory	0-0-3	3	AA

Credits Taken: 49 Cleared: 49 SPI: 8.61 CPI: 8.61

Semester 2

Sub Code	Subject Name	L-T-P	CRD	GRD
CH102	Chemistry - II	3-0-0	6	AB
CS101	Introduction to Computing	3-0-0	6	CC
CS110	Computing Laboratory	0-0-3	3	BB
EE102	Basic Electronics Laboratory	0-0-4	4	BB
MA102	Mathematics - II	3-1-0	8	AB
ME101	Engineering Mechanics	3-1-0	8	BB
ME110	Workshop - I	0-0-3	3	AA
PH102	Physics - II	2-1-0	6	BB

Credits Taken: 44 Cleared: 44 SPI: 8.18 CPI: 8.41

Semester 3

Sub Code	Subject Name	L-T-P	CRD	GRD
CS201	Object Oriented Programming and Data Structures	3-0-3	9	AB
CS203	Discrete Mathematics	3-0-0	6	AA
CS221	Digital Design	3-0-0	6	AB
EE220	Signal, System and Networks	3-1-0	8	AA
HS201	Introductory Microeconomics	3-0-0	6	AB
MA201	Mathematics - III	3-1-0	8	AB

Credits Taken: 43 Cleared: 43 SPI: 9.33 CPI: 8.7

Semester 4

Sub Code	Subject Name	L-T-P	CRD	GRD
CS204	Algorithms	3-0-0	6	AB
CS222	Computer Organization and Architecture	3-0-0	6	AB
CS223	Hardware Laboratory	0-0-3	3	AA
CS241	Software Engineering	2-0-3	7	AA
CS242	Systems Programming Laboratory	0-1-3	5	AA
HS202	Introductory Macroeconomics	3-0-0	6	AA
MA225	Probability Theory and Random Processes	3-1-0	8	AB
MA251	Optimization Techniques	3-0-0	6	AB

Credits Taken: 47 Cleared: 47 SPI: 9.45 CPI: 8.89

Semester 5

Sub Code	Subject Name	L-T-P	CRD	GRD
CS301	Formal Language and Automata	3-0-0	6	AB
CS331	Programming Language	3-0-2	8	AB
CS341	Operating Systems	3-0-0	6	AB
CS342	Operating Systems Laboratory	0-1-3	5	AB
CS343	Data Communications	3-0-0	6	AA
CS344	Databases	3-0-0	6	AA
CS345	Databases Laboratory	0-1-3	5	AA

Credits Taken: 42 Cleared: 42 SPI: 9.4 CPI: 8.99

Semester 6

Sub Code	Subject Name	L-T-P	CRD	GRD
CS302	Theory of Computation	3-0-0	6	AB
CS346	Compilers	3-0-0	6	AA
CS347	Compliers Laboratory	0-0-3	3	AB
CS348	Computer Networks	3-0-2	8	AA
CS362	Computer Graphics	3-0-2	8	AB
CS399	Seminar	0-0-3	3	AB
HS331	Sociology of Development	3-0-0	6	AB

Credits Taken: 40 Cleared: 40 SPI: 9.35 CPI: 9.04

Semester 7

Sub Code	Subject Name	L-T-P	CRD	GRD
CS400	Summer Training	0-0-0	2	AB
CS421	Computer Peripherals and Interfacing	3-0-0	6	AA
CS422	Peripherals and Interfacing Lab	0-1-3	5	AA
CS441	Topics in Databases	3-0-0	6	AA
CS461	Artificial Intelligence	3-0-0	6	AA
CS498	Project - I	0-0-10	10	AA
MA410	Graphs, Groups and Network	3-0-0	6	AA

Credits Taken: 41 Cleared: 41 SPI: 9.95 CPI: 9.16

Semester 8

Sub Code	Subject Name	L-T-P	CRD	GRD
CS449	Computer and Network Security	3-0-0	6	AB
CS452	Internet Protocols	3-0-0	6	AA
CS499	Project - II	0-0-16	16	AA
HS441	Industrial and Organizational Psychology	3-0-0	6	AB
MA412	Matrix Computation	3-0-0	6	AA

Credits Taken: 40 Cleared: 40 SPI: 9.7 CPI: 9.23

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