भारतीय प्रौद्योगिकी संस्थान पटना
Indian Institute of Technology Patna

Roll No: 0401EE15   **Name:** Oby Pagnin   **Year of Admission:** 2004

Programme: Bachelor of Technology   **Course:** Electrical and Electronics Engineering

Semester 1

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

Credits taken: 49 Credits Cleared: 49 SPI: 6.12 CPI: 6.12

Semester 2

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

Credits taken: 44 Credits Cleared: 44 SPI: 4.98 CPI: 5.58

Semester 3

Sub. Code	Subject Name	L-T-P	CRD	GRD
CS201	Object Oriented Programming and Data Structures	3-0-3	9	DD
EE200	Semiconductor Devices and Circuits	3-0-0	6	CC
EE201	Digital Circuits and Microprocessors	3-0-0	6	DD
EE202	Digital Circuits Laboratory	0-0-3	3	BB
EE220	Signal, System and Networks	3-1-0	8	CD
HS201	Introductory Microeconomics	3-0-0	6	DD
MA201	Mathematics - III	3-1-0	8	CC

Credits taken: 46 Credits Cleared: 46 SPI: 5.04 CPI: 5.4

Semester 4

Sub. Code	Subject Name	L-T-P	CRD	GRD
EE203	Analog Integrated Circuits	3-0-0	6	CC
EE204	Analog Circuits Laboratory	0-0-3	3	AB
EE230	Principles of Communication	3-1-0	8	CC
EE280	Electrical Machines	3-0-0	6	DD
EE281	Electrical Machines Laboratory	0-0-3	3	CD
HS202	Introductory Macroeconomics	3-0-0	6	DD
MA225	Probability Theory and Random Processes	3-1-0	8	CD
MA251	Optimization Techniques	3-0-0	6	DD

Credits taken: 46 Credits Cleared: 46 SPI: 5.17 CPI: 5.35

Semester 5

Sub. Code	Subject Name	L-T-P	CRD	GRD
EE310	Introduction to VLSI Design	3-0-0	6	CD
EE311	VLSI laboratory	0-0-3	3	CD
EE320	Digital Signal Processing	3-0-0	6	CD
EE331	Communication Laboratory	0-0-3	3	BC
EE350	Control Systems	3-0-0	6	CD
EE370	Electronic Instrumentation	3-0-0	6	CD
EE371	Instrumentation and Control Lab	0-0-3	3	BB
EE380	Electrical Power Systems	3-0-0	6	CC

Credits taken: 39 Credits Cleared: 39 SPI: 5.54 CPI: 5.38

Semester 6

Sub. Code	Subject Name	L-T-P	CRD	GRD
EE304	Design Laboratory	0-0-4	4	AA
EE321	Digital Signal Processing Laboratory	0-0-3	3	BB
EE322	Mathematical Methods in Electrical Engineering	3-0-0	6	BC
EE340	Electromagnetic Theory	3-0-0	6	DD
EE351	Advanced Control Systems	3-0-0	6	DD
EE360	Embedded Systems	3-0-0	6	DD
EE361	Embedded Systems Laboratory	0-0-3	3	CC
HS331	Sociology of Development	3-0-0	6	DD

Credits taken: 40 Credits Cleared: 40 SPI: 5.5 CPI: 5.4

Semester 7

Sub. Code	Subject Name	L-T-P	CRD	GRD
EE400	Summer Training	0-0-0	2	BC
EE430	Fiber Optic Transmission Systems and Networks	3-0-0	6	CD
EE480	Electrical Power Systems Operation and Control	3-0-0	6	CC
EE481	Power Electronics and Drives	3-0-0	6	CD
EE482	Advanced Electrical Engineering Laboratory	0-0-3	3	BC
EE490	Image Processing	3-0-0	6	CD
EE498	Project - I	0-0-8	10	BC
MA410	Graphs, Groups and Network	3-0-0	6	CC

Credits taken: 45 Credits Cleared: 45 SPI: 5.93 CPI: 5.48

Semester 8

Sub. Code	Subject Name	L-T-P	CRD	GRD
EE483	Distributed Energy Resources	3-0-0	6	CC
EE491	Visual Surveillance Systems	3-0-0	6	CC
EE499	Project - II	0-0-14	14	CC
HS441	Industrial and Organizational Psychology	3-0-0	6	DD
MA412	Matrix Computation	3-0-0	6	CD

Credits taken: 38 Credits Cleared: 38 SPI: 5.53 CPI: 5.48

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