



भारतीय प्रौद्योगिकी संस्थान पटना INDIAN INSTITUTE OF TECHNOLOGY PATNA



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Roll No: 0501EE36

Name: Martha Sharples

Year of Admission: 2020

Programme: Bachelors of Technology

Course: EE

Semester 1

CH101	Chemistry - I	3-1-0	8	CORE	BB
CH110	Chemistry Laboratory	0-0-3	3	CORE	AA
EE101	Electrical Sciences	3-1-0	8	CORE	AA
HS101	English : Language Through Literature	3-0-0	6	CORE	AB
MA101	Mathematics - I	3-1-0	8	CORE	AA
ME110	Workshop - I	0-0-3	3	CORE	BB
ME111	Engineering Drawing	2-0-3	7	CORE	AB
PH101	Physics - I	2-1-0	6	CORE	AA

Credits Taken: 49 Credits Cleared: 49 SPI: 9.29 CPI: 9.29

Semester 2

CH102	Chemistry - II	3-0-0	6	CORE	BC
CS101	Introduction to Computing	3-0-0	6	CORE	BB
CS110	Computing Laboratory	0-0-3	3	CORE	AA
EE102	Basic Electronics Laboratory	0-0-4	4	CORE	AA
MA102	Mathematics - II	3-1-0	8	CORE	AA
ME101	Engineering Mechanics	3-1-0	8	CORE	AB
PH102	Physics - II	2-1-0	6	CORE	AA
PH110	Physics Laboratory	0-0-3	3	CORE	AA

Credits Taken: 44 Credits Cleared: 93 SPI: 9.14 CPI: 9.22

Semester 3

CS201	Object Oriented Programming and Data Structures	3-0-3	9	CORE	AA
EE200	Semiconductor Devices and Circuits	3-0-0	6	CORE	AB
EE201	Digital Circuits and Microprocessors	3-0-0	6	CORE	AA
EE202	Digital Circuits Laboratory	0-0-3	3	CORE	AB
EE220	Signal, System and Networks	3-1-0	8	CORE	BB
HS201	Introductory Microeconomics	3-0-0	6	HS ELECTIVE	AA
MA201	Mathematics - III	3-1-0	8	CORE	AB

Credits Taken: 46 Credits Cleared: 139 SPI: 9.28 CPI: 9.24

Semester 4

EE203	Analog Integrated Circuits	3-0-0	6	CORE	AB
EE204	Analog Circuits Laboratory	0-0-3	3	CORE	AB
EE230	Principles of Communication	3-1-0	8	CORE	BB
EE280	Electrical Machines	3-0-0	6	CORE	BC
EE281	Electrical Machines Laboratory	0-0-3	3	CORE	BB
HS202	Introductory Macroeconomics	3-0-0	6	HS Elective	AB
MA225	Probability Theory and Random Processes	3-1-0	8	CORE	AA
MA251	Optimization Techniques	3-0-0	6	Elective-Sc.	AA

Credits Taken: 46 Credits Cleared: 185 SPI: 8.8 CPI: 9.13

Semester 5

EE310	Introduction to VLSI Design	3-0-0	6	CORE	AA
EE311	VLSI Laboratory	0-0-3	3	CORE	AA
EE320	Digital Signal Processing	3-0-0	6	CORE	AA
EE331	Communication Laboratory	0-0-3	3	CORE	AB
EE350	Control Systems	3-0-0	6	CORE	AA
EE370	Electronic Instrumentation	3-0-0	6	CORE	AB
EE371	Instrumentation and Control Lab	0-0-3	3	CORE	AA
EE380	Electrical Power Systems	3-0-0	6	CORE	BB

Credits Taken: 39 Credits Cleared: 224 SPI: 9.46 CPI: 9.19

Semester 6

EE304	Design Laboratory	0-0-4	4	CORE	BC
EE321	Digital Signal Processing Laboratory	0-0-3	3	CORE	AB
EE322	Mathematical Methods in Electrical Engineering	3-0-0	6	CORE	AA
EE340	Electromagnetic Theory	3-0-0	6	CORE	BC
EE351	Advanced Control Systems	3-0-0	6	CORE	BB
EE360	Embedded Systems	3-0-0	6	CORE	AB
EE361	Embedded Systems Laboratory	0-0-3	3	CORE	AA
HS311	Diasporic Literature	3-0-0	6	HSS Elective	BB

Credits Taken: 40 Credits Cleared: 264 SPI: 8.43 CPI: 9.07

Semester 7

EE400	Summer Training	0-0-0	2	CORE	AB
EE410	VLSI CAD	3-0-0	6	Departmental Elective - II	BB
EE480	Electrical Power Systems Operation and Control	3-0-0	6	CORE	BC
EE481	Power Electronics and Drives	3-0-0	6	CORE	BB
EE482	Advanced Electrical Engineering Laboratory	0-0-3	3	CORE	AB
EE490	Image Processing	3-0-0	6	Departmental Elective - I	BB
EE498	Project - I	0-0-8	10	CORE	BB
PH402	Solid State Devices	3-0-0	6	Open Elective - I	CC

Credits Taken: 45 Credits Cleared: 309 SPI: 7.71 CPI: 8.87

Semester 8

CE502	Infrastructure Economics	3-0-0	6	Open Elective - II	AA
EE483	Distributed Energy Resources	3-0-0	6	Departmental Elective - III	BB
EE499	Project - II	0-0-14	14	CORE	AA
EE508	Intelligent Visual Surveillance Systems	3-0-0	6	Departmental Elective - IV	AB
HS441	Industrial and Organizational Psychology	3-0-0	6	HS Elective	AB

Credits Taken: 38 Credits Cleared: 347 SPI: 9.37 CPI: 8.93

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Assistant Registrar (Academic)