भारतीय प्रौद्योगिकी संस्थान पटना
INDIAN INSTITUTE OF TECHNOLOGY PATNA

Roll No:	0501EE11	Name:	Sarah Skeggs	Year of Admission:	2020
Programme:	Bachelors of Technology	Course:	EE		

Semester 1

CH101	Chemistry - I	3-1-0	8	CORE	AA
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	AB
ME110	Workshop - I	0-0-3	3	CORE	BB
ME111	Engineering Drawing	2-0-3	7	CORE	BB
PH101	Physics - I	2-1-0	6	CORE	BB

Credits Taken: 49   Credits Cleared: 49   SPI: 9.06   CPI: 9.06

Semester 2

CH102	Chemistry - II	3-0-0	6	CORE	BB
CS101	Introduction to Computing	3-0-0	6	CORE	BC
CS110	Computing Laboratory	0-0-3	3	CORE	CC
EE102	Basic Electronics Laboratory	0-0-4	4	CORE	BB
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: 8.68   CPI: 8.88

Semester 3

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

Credits Taken: 46   Credits Cleared: 139   SPI: 8.72   CPI: 8.83

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	AB
EE280	Electrical Machines	3-0-0	6	CORE	BC
EE281	Electrical Machines Laboratory	0-0-3	3	CORE	AB
HS202	Introductory Macroeconomics	3-0-0	6	HS Elective	AA
MA225	Probability Theory and Random Processes	3-1-0	8	CORE	AA
MA251	Optimization Techniques	3-0-0	6	Elective-Sc.	AB

Credits Taken: 46   Credits Cleared: 185   SPI: 9.04   CPI: 8.88

Semester 5

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

Credits Taken: 39   Credits Cleared: 224   SPI: 8.69   CPI: 8.85

Semester 6

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

Credits Taken: 40   Credits Cleared: 264   SPI: 8.38   CPI: 8.78

Semester 7

EE400	Summer Training	0-0-0	2	CORE	BC
EE410	VLSI CAD	3-0-0	6	Departmental Elective - I	AB
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	BB
EE490	Image Processing	3-0-0	6	Departmental Elective - II	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: 7.69   CPI: 8.62

Semester 8

CE442	Industrial Waste Treatment and Management	3-0-0	6	Open Elective - II	AB
EE483	Distributed Energy Resources	3-0-0	6	Departmental Elective - III	BB
EE499	Project - II	0-0-14	14	CORE	BC
EE508	Intelligent Visual Surveillance Systems	3-0-0	6	Departmental Elective - IV	AB
HS441	Industrial and Organizational Psychology	3-0-0	6	HS Elective	AA

Credits Taken: 38   Credits Cleared: 347   SPI: 8.26   CPI: 8.58

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Assistant Registrar (Academic)