



भारतीय प्रौद्योगिकी संस्थान पटना  
INDIAN INSTITUTE OF TECHNOLOGY PATNA



INTERIM TRANSCRIPT

TRANSCRIPT

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Roll No: 0501EE20

Name: Gonzalo Bilsborrow

Year of Admission: 2020

Programme: Bachelors of Technology

Course: EE

Semester 1

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

Credits Taken: 49 Credits Cleared: 49 SPI: 7.39 CPI: 7.39

Semester 2

|       |                              |       |   |      |    |
|-------|------------------------------|-------|---|------|----|
| CH102 | Chemistry - II               | 3-0-0 | 6 | CORE | BC |
| 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 | BB |
| ME101 | Engineering Mechanics        | 3-1-0 | 8 | CORE | CD |
| PH102 | Physics - II                 | 2-1-0 | 6 | CORE | CC |
| PH110 | Physics Laboratory           | 0-0-3 | 3 | CORE | BB |

Credits Taken: 44 Credits Cleared: 93 SPI: 6.77 CPI: 7.1

Semester 3

|       |   |       |   |             |    |
|-------|---|-------|---|-------------|----|
| CS201 | Object Oriented Programming and Data Structures | 3-0-3 | 9 | CORE        | AB |
| EE200 | Semiconductor Devices and Circuits              | 3-0-0 | 6 | CORE        | AA |
| EE201 | Digital Circuits and Microprocessors            | 3-0-0 | 6 | CORE        | AB |
| 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 | AB |
| MA201 | Mathematics - III                               | 3-1-0 | 8 | CORE        | BB |

Credits Taken: 46 Credits Cleared: 139 SPI: 8.78 CPI: 7.65

Semester 4

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

Credits Taken: 46 Credits Cleared: 185 SPI: 8.74 CPI: 7.92

Semester 5

|       |                                 |       |   |      |    |
|-------|---------------------------------|-------|---|------|----|
| EE310 | Introduction to VLSI Design     | 3-0-0 | 6 | CORE | AB |
| EE311 | VLSI Laboratory                 | 0-0-3 | 3 | CORE | AA |
| 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 | AA |
| 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: 9.15 CPI: 8.14

Semester 6

|       |  |       |   |              |    |
|-------|--|-------|---|--------------|----|
| EE304 | Design Laboratory                              | 0-0-4 | 4 | CORE         | AB |
| EE321 | Digital Signal Processing Laboratory           | 0-0-3 | 3 | CORE         | AB |
| EE322 | Mathematical Methods in Electrical Engineering | 3-0-0 | 6 | CORE         | BB |
| 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         | AB |
| HS331 | Sociology of Development                       | 3-0-0 | 6 | HSS Elective | AA |

Credits Taken: 40 Credits Cleared: 264 SPI: 8.55 CPI: 8.2

Semester 7

|       |  |       |    |                            |    |
|-------|--|-------|----|----------------------------|----|
| EE400 | Summer Training                                | 0-0-0 | 2  | CORE                       | AB |
| EE410 | VLSI CAD                                       | 3-0-0 | 6  | Departmental Elective - I  | AB |
| EE430 | Fiber Optic Transmission Systems and Networks  | 3-0-0 | 6  | Departmental Elective - II | AA |
| EE480 | Electrical Power Systems Operation and Control | 3-0-0 | 6  | CORE                       | BC |
| EE481 | Power Electronics and Drives                   | 3-0-0 | 6  | CORE                       | BC |
| EE482 | Advanced Electrical Engineering Laboratory     | 0-0-3 | 3  | CORE                       | AB |
| EE498 | Project - I                                    | 0-0-8 | 10 | CORE                       | AA |
| PH401 | Introduction to Nanomaterials                  | 3-0-0 | 6  | Open Elective - I          | AB |

Credits Taken: 45 Credits Cleared: 309 SPI: 8.82 CPI: 8.29

Semester 8

|       |   |        |    |                             |    |
|-------|---|--------|----|-----------------------------|----|
| CE442 | Industrial Waste Treatment and Management | 3-0-0  | 6  | Open Elective - II          | BC |
| EE483 | Distributed Energy Resources              | 3-0-0  | 6  | Departmental Elective - III | BC |
| 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: 8.74 CPI: 8.34



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Assistant Registrar (Academic)

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