



# भारतीय प्रौद्योगिकी संस्थान पटना INDIAN INSTITUTE OF TECHNOLOGY PATNA



## INTERIM TRANSCRIPT

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Roll No: 0401EE13 Name: Eamon Grange Year of Admission: 2004  
Programme: Bachelors of Technology Course: Electrical 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   | CC  |
| HS101    | English : Language Through Literature | 3-0-0 | 6   | BB  |
| MA101    | Mathematics - I                       | 3-1-0 | 8   | BC  |
| ME111    | Engineering Drawing                   | 2-0-3 | 7   | BB  |
| PH101    | Physics - I                           | 2-1-0 | 6   | CD  |
| PH110    | Physics Laboratory                    | 0-0-3 | 3   | AB  |

Credits Taken: 49 Credits Cleared: 49 SPI: 6.82 CPI: 6.82

### Semester 2

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

Credits Taken: 44 Credits Cleared: 44 SPI: 6.07 CPI: 6.46

### Semester 3

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

Credits Taken: 46 Credits Cleared: 46 SPI: 6.67 CPI: 6.53

### Semester 4

| Sub Code | Subject Name                            | L-T-P | CRD | GRD |
|----------|---|-------|-----|-----|
| EE203    | Analog Integrated Circuits              | 3-0-0 | 6   | AB  |
| EE204    | Analog Circuits Laboratory              | 0-0-3 | 3   | BB  |
| EE230    | Principles of Communication             | 3-1-0 | 8   | BB  |
| EE280    | Electrical Machines                     | 3-0-0 | 6   | CD  |
| EE281    | Electrical Machines Laboratory          | 0-0-3 | 3   | BC  |
| HS211    | Literature: Voices and Culture          | 3-0-0 | 6   | BC  |
| MA225    | Probability Theory and Random Processes | 3-1-0 | 8   | BC  |
| MA251    | Optimization Techniques                 | 3-0-0 | 6   | BC  |

Credits Taken: 46 Credits Cleared: 46 SPI: 7.24 CPI: 6.71

### Semester 5

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

Credits Taken: 39 Credits Cleared: 39 SPI: 7.23 CPI: 6.8

### Semester 6

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

Credits Taken: 40 Credits Cleared: 40 SPI: 7.5 CPI: 6.91

### 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   | BB  |
| EE480    | Electrical Power Systems Operation and Control | 3-0-0 | 6   | BC  |
| EE481    | Power Electronics and Drives                   | 3-0-0 | 6   | CC  |
| EE482    | Advanced Electrical Engineering Laboratory     | 0-0-3 | 3   | BC  |
| EE490    | Image Processing                               | 3-0-0 | 6   | BB  |
| EE498    | Project - I                                    | 0-0-8 | 10  | BB  |
| PH402    | Solid State Devices                            | 3-0-0 | 6   | AB  |

Credits Taken: 45 Credits Cleared: 45 SPI: 7.62 CPI: 7.01

### Semester 8

| Sub Code | Subject Name                             | L-T-P  | CRD | GRD |
|----------|--|--------|-----|-----|
| EE483    | Distributed Energy Resources             | 3-0-0  | 6   | BC  |
| EE491    | Visual Surveillance Systems              | 3-0-0  | 6   | BC  |
| EE499    | Project - II                             | 0-0-14 | 14  | AB  |
| HS441    | Industrial and Organizational Psychology | 3-0-0  | 6   | BB  |
| PH403    | Photovoltaics & Fuel Cell Technology     | 3-0-0  | 6   | BB  |

Credits Taken: 38 Credits Cleared: 38 SPI: 8.05 CPI: 7.12

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Assistant Registrar (Academic)