



# भारतीय प्रौद्योगिकी संस्थान पटना

## Indian Institute of Technology Patna

### Transcript



**Roll Number:** 0401ME11

**Name:** Tanney Polak

**Year of Admission:** 2004

**Programme:** Bachelor of Technology

**Course:** Mechanical Engineering

### Semester 1

| Sub. Code | Subject Name                          | L-T-P | CRD | GRD |
|-----------|---------------------------------------|-------|-----|-----|
| CH101     | Chemistry - I                         | 3-1-0 | 8   | DD  |
| 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   | CD  |
| MA101     | Mathematics - I                       | 3-1-0 | 8   | DD  |
| ME111     | Engineering Drawing                   | 2-0-3 | 7   | CC  |
| PH101     | Physics - I                           | 2-1-0 | 6   | F*  |
| PH110     | Physics Laboratory                    | 0-0-3 | 3   | BB  |

Credits Taken: 49 Credits Cleared: 49 SPI: 4.51 CPI: 4.51

### 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   | DD  |
| CS110     | Computing Laboratory         | 0-0-3 | 3   | BC  |
| EE102     | Basic Electronics Laboratory | 0-0-4 | 4   | BC  |
| MA102     | Mathematics - II             | 3-1-0 | 8   | DD  |
| ME101     | Engineering Mechanics        | 3-1-0 | 8   | CC  |
| ME110     | Workshop - I                 | 0-0-3 | 3   | BC  |
| PH102     | Physics - II                 | 2-1-0 | 6   | DD* |

Credits Taken: 44 Credits Cleared: 44 SPI: 5.18 CPI: 4.83

### Semester 3

| Sub. Code | Subject Name                                    | L-T-P | CRD | GRD |
|-----------|---|-------|-----|-----|
| CS201     | Object Oriented Programming and Data Structures | 3-0-3 | 9   | CD  |
| HS201     | Introductory Microeconomics                     | 3-0-0 | 6   | DD  |
| MA201     | Mathematics - III                               | 3-1-0 | 8   | DD  |
| ME201     | Solid Mechanics                                 | 2-1-0 | 6   | DD  |
| ME204     | Fluid Mechanics - I                             | 2-1-0 | 6   | DD  |
| ME205     | Thermodynamics                                  | 3-1-0 | 8   | DD  |
| ME211     | Machine Drawing                                 | 0-0-4 | 4   | BB  |

Credits Taken: 47 Credits Cleared: 47 SPI: 4.53 CPI: 4.73

### Semester 4

| Sub. Code | Subject Name                          | L-T-P | CRD | GRD |
|-----------|---------------------------------------|-------|-----|-----|
| EE280     | Electrical Machines                   | 3-0-0 | 6   | DD  |
| EE281     | Electrical Machines Laboratory        | 0-0-3 | 3   | CD  |
| HS202     | Introductory Macroeconomics           | 3-0-0 | 6   | CD  |
| MA251     | Optimization Techniques               | 3-0-0 | 6   | DD  |
| ME202     | Engineering Materials                 | 3-0-0 | 6   | DD  |
| ME203     | Advanced Solid Mechanics              | 2-1-0 | 6   | DD  |
| ME206     | Fluid Mechanics - II                  | 2-1-0 | 6   | DD  |
| ME210     | Workshop - II                         | 0-0-6 | 6   | BC  |
| ME212     | Mechanical Engineering Laboratory - I | 0-0-4 | 4   | CC  |

Credits Taken: 49 Credits Cleared: 49 SPI: 4.71 CPI: 4.72

### Semester 5

| Sub. Code | Subject Name                           | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| ME301     | Manufacturing Technology - I           | 3-1-0 | 8   | DD  |
| ME302     | Mechanical Measurements                | 2-1-0 | 6   | CC  |
| ME303     | Design of Machine Elements             | 3-1-0 | 8   | DD  |
| ME304     | Kinematics of Machinery                | 2-1-0 | 6   | CD  |
| ME305     | Heat and Mass Transfer                 | 3-1-0 | 8   | DD  |
| ME310     | Mechanical Engineering Laboratory - II | 0-0-4 | 4   | BB  |
| ME321     | Applied Thermodynamics - I             | 2-1-0 | 6   | DD  |

Credits Taken: 46 Credits Cleared: 46 SPI: 4.74 CPI: 4.72

### Semester 6

| Sub. Code | Subject Name                            | L-T-P | CRD | GRD |
|-----------|---|-------|-----|-----|
| HS331     | Sociology of Development                | 3-0-0 | 6   | DD  |
| ME306     | Manufacturing Technology - II           | 3-1-0 | 8   | DD  |
| ME307     | Machine Design                          | 3-0-2 | 8   | CC  |
| ME308     | Dynamics of Machinery                   | 2-1-0 | 6   | DD  |
| ME309     | Control Systems                         | 3-1-0 | 8   | DD  |
| ME311     | Mechanical Engineering Laboratory - III | 0-0-4 | 4   | BC  |
| ME322     | Applied Thermodynamics - II             | 2-1-0 | 6   | DD  |

Credits Taken: 46 Credits Cleared: 46 SPI: 4.61 CPI: 4.7

### Semester 7

| Sub. Code | Subject Name                                   | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| ME400     | Summer Training                                | 0-0-0 | 2   | AB  |
| ME401     | Industrial Engineering and Operations Research | 3-1-0 | 8   | CD  |
| ME411     | Mechanical Engineering Laboratory - IV         | 0-0-4 | 4   | BC  |
| ME498     | Project - I                                    | 0-0-8 | 8   | AB  |
| ME501     | Robotics: Advanced Concepts and Analysis       | 3-0-0 | 6   | CC  |
| ME503     | Computational Fluid Dynamics                   | 3-0-0 | 6   | DD  |
| PH401     | Introduction to Nanomaterials                  | 3-0-0 | 6   | CC  |

Credits Taken: 40 Credits Cleared: 40 SPI: 6.35 CPI: 4.91

### Semester 8

| Sub. Code | Subject Name                             | L-T-P | CRD | GRD |
|-----------|--|-------|-----|-----|
| HS441     | Industrial and Organizational Psychology | 3-0-0 | 6   | DD  |
| ME447     | Laser Material Processing                | 3-0-0 | 6   | CC  |
| ME449     | Refrigeration and Air Conditioning       | 3-0-0 | 6   | DD  |
| ME499     | Project - II                             | 0-0-1 | 16  | BC  |
| PH403     | Photovoltaics & Fuel Cell Technology     | 3-0-0 | 6   | DD  |

Credits Taken: 40 Credits Cleared: 40 SPI: 5.5 CPI: 4.98

### Semester 9

### Semester 10

| Sub. Code | Subject Name | L-T-P | CRD | GRD |
|-----------|--------------|-------|-----|-----|
| PH101     | Physics - I  | 2-1-0 | 6   | DD  |
| PH102     | Physics - II | 2-1-0 | 6   | BB  |

Credits Taken: 12 Credits Cleared: 12 SPI: 6.0 CPI: 5.01



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