

## भारतीय प्रौद्योगिकी संस्थान पटना **INDIAN INSTITUTE OF TECHNOLOGY PATNA**



INTERIM TRANSCRIPT

## **TRANSCRIPT**

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Roll No: 0401CS35 2020 Name: Sheffy Angerstein Year of Admission:

Programme: Bachelors of Technology CS Course:

Semester 1

| CH101 | Chemistry - I                         | 3-1-0 | 8 | CORE | AA |
|-------|---------------------------------------|-------|---|------|----|
| CH110 | Chemistry Laboratory                  | 0-0-3 | 3 | CORE | ВВ |
| EE101 | Electrical Sciences                   | 3-1-0 | 8 | CORE | ВВ |
| HS101 | English : Language Through Literature | 3-0-0 | 6 | CORE | ВВ |
| MA101 | Mathematics - I                       | 3-1-0 | 8 | CORE | АВ |
| ME111 | Engineering Drawing                   | 2-0-3 | 7 | CORE | АВ |
| PH101 | Physics - I                           | 2-1-0 | 6 | CORE | AA |
| PH110 | Physics Laboratory                    | 0-0-3 | 3 | CORE | АА |

Semester 2

| CS101 Introduction to Computing 3-0-0 6 CORE AB  CS110 Computing Laboratory 0-0-3 3 CORE BB |       |                              |       |   |      |    |
|---|-------|------------------------------|-------|---|------|----|
| CS110 Computing Laboratory 0-0-3 3 CORE BB  | CH102 | Chemistry - II               | 3-0-0 | 6 | CORE | AA |
|   | CS101 | Introduction to Computing    | 3-0-0 | 6 | CORE | AB |
| EE102 Basic Electronics Laboratory 0-0-4 4 CORE BC  | CS110 | Computing Laboratory         | 0-0-3 | 3 | CORE | ВВ |
|   | EE102 | Basic Electronics Laboratory | 0-0-4 | 4 | CORE | вс |
| MA102 Mathematics - II 3-1-0 8 CORE AA  | MA102 | Mathematics - II             | 3-1-0 | 8 | CORE | AA |
| ME101 Engineering Mechanics 3-1-0 8 CORE AB   | ME101 | Engineering Mechanics        | 3-1-0 | 8 | CORE | АВ |
| ME110 Workshop - I 0-0-3 3 CORE AB  | ME110 | Workshop - I                 | 0-0-3 | 3 | CORE | АВ |
| PH102 Physics - II 2-1-0 6 CORE AA  | PH102 | Physics - II                 | 2-1-0 | 6 | CORE | AA |

Credits Taken: 44 Credits Cleared: 93 SPI: 9.2 CPI: 9.1

Semester 3

| CS201 | Object Oriented Programming and Data<br>Structures | 3-0-3 | 9 | CORE           | АВ |
|-------|--|-------|---|----------------|----|
| CS203 | Discrete Mathematics                               | 3-0-0 | 6 | CORE           | АВ |
| CS221 | Digital Design                                     | 3-0-0 | 6 | CORE           | АВ |
| EE220 | Signal, System and Networks                        | 3-1-0 | 8 | CORE           | ВВ |
| HS201 | Introductory Microeconomics                        | 3-0-0 | 6 | HS<br>Elective | АВ |
| MA201 | Mathematics - III                                  | 3-1-0 | 8 | CORE           | AA |

Credits Taken: 43 Credits Cleared: 136 SPI: 9.0 CPI: 9.07

Credits Taken: 49 Credits Cleared: 49 SPI: 9.0 CPI: 9.0

Semester 4

| CS222         Computer Organization and Architecture         3-0-0         6         CORE         AB           CS223         Hardware Laboratory         0-0-3         3         CORE         AB           CS241         Software Engineering         2-0-3         7         CORE         AA           CS242         Systems Programming Laboratory         0-1-3         5         CORE         AA           HS202         Introductory Macroeconomics         3-0-0         6         HS         ELECTI         VE           MA214         Introduction to Computational Topology         3-0-0         6         Sc.         AA           MA225         Probability Theory and Random Processes         3-1-0         8         CORE         AB | CS204 | Algorithms                              | 3-0-0 | 6 | CORE   | ВВ |
|---|-------|---|-------|---|--------|----|
| CS241 Software Engineering 2-0-3 7 CORE AA  CS242 Systems Programming Laboratory 0-1-3 5 CORE AA  HS202 Introductory Macroeconomics 3-0-0 6 HS ELECTI VE AA  MA214 Introduction to Computational Topology 3-0-0 6 Sc. AA  | CS222 | Computer Organization and Architecture  | 3-0-0 | 6 | CORE   | АВ |
| CS242 Systems Programming Laboratory 0-1-3 5 CORE AA  HS202 Introductory Macroeconomics 3-0-0 6 HS  MA214 Introduction to Computational Topology 3-0-0 6 Sc. AA   | CS223 | Hardware Laboratory                     | 0-0-3 | 3 | CORE   | АВ |
| HS202 Introductory Macroeconomics 3-0-0 6 HS ELECTI VE AA  MA214 Introduction to Computational Topology 3-0-0 6 Sc. AA  | CS241 | Software Engineering                    | 2-0-3 | 7 | CORE   | AA |
| HS202 Introductory Macroeconomics 3-0-0 6 ELECTI VE AA  MA214 Introduction to Computational Topology 3-0-0 6 Sc. AA   | CS242 | Systems Programming Laboratory          | 0-1-3 | 5 | CORE   | AA |
| MA214 Introduction to Computational Topology 3-0-0 6 Sc. AA   | HS202 | Introductory Macroeconomics             | 3-0-0 | 6 | ELECTI | AA |
| MA225 Probability Theory and Random Processes 3-1-0 8 CORE AB   | MA214 | Introduction to Computational Topology  | 3-0-0 | 6 |        | AA |
|   | MA225 | Probability Theory and Random Processes | 3-1-0 | 8 | CORE   | AB |

Semester 5

| CS301 | Formal Language and Automata | 3-0-0 | 6 | CORE | АВ |
|-------|------------------------------|-------|---|------|----|
| CS331 | Programming Language         | 3-0-2 | 8 | CORE | AB |
| CS341 | Operating Systems            | 3-0-0 | 6 | CORE | AA |
| CS342 | Operating Systems Laboratory | 0-1-3 | 5 | CORE | АВ |
| CS343 | Data Communications          | 3-0-0 | 6 | CORE | AA |
| CS344 | Databases                    | 3-0-0 | 6 | CORE | AA |
| CS345 | Databases Laboratory         | 0-1-3 | 5 | CORE | AA |
|       |                              |       |   |      | _  |

Credits Taken: 42 Credits Cleared: 225 SPI: 9.55 CPI: 9.22

Semester 6

| CS302 | Theory of Computation    | 3-0-0 | 6 | CORE           | АВ |
|-------|--------------------------|-------|---|----------------|----|
| CS346 | Compilers                | 3-0-0 | 6 | CORE           | AA |
| CS347 | Compliers Laboratory     | 0-0-3 | 3 | CORE           | AA |
| CS348 | Computer Networks        | 3-0-2 | 8 | CORE           | AA |
| CS362 | Computer Graphics        | 3-0-2 | 8 | CORE           | ВВ |
| CS399 | Seminar                  | 0-0-3 | 3 | CORE           | ВВ |
| HS331 | Sociology of Development | 3-0-0 | 6 | HS<br>Elective | АВ |

Credits Taken: 40 Credits Cleared: 265 SPI: 9.15 CPI: 9.21

Credits Taken: 47 Credits Cleared: 183 SPI: 9.38 CPI: 9.15

Semester 7

| CS400 | Summer Training                      | 0-0-0  | 2  | CORE                                      | AA |
|-------|--------------------------------------|--------|----|---|----|
| CS421 | Computer Peripherals and Interfacing | 3-0-0  | 6  | CORE                                      | АВ |
| CS422 | Peripherals and Interfacing Lab      | 0-1-3  | 5  | CORE                                      | AA |
| CS441 | Topics in Databases                  | 3-0-0  | 6  | DEPAR<br>TMENT<br>AL<br>ELECTI<br>VE - II | AB |
| CS461 | Artificial Intelligence              | 3-0-0  | 6  | DEPAR<br>TMENT<br>AL<br>ELECTI<br>VE - I  | AA |
| CS498 | Project - I                          | 0-0-10 | 10 | CORE                                      | AA |
| MA410 | Graphs, Groups and Network           | 3-0-0  | 6  | OPEN<br>ELECTI<br>VE - I                  | AA |

Credits Taken: 41 Credits Cleared: 306 SPI: 9.71 CPI: 9.28

Semester 8

| CS449 | Computer and Network Security            | 3-0-0  | 6  | Departm<br>ental<br>Elective<br>- IV | АВ |
|-------|--|--------|----|--------------------------------------|----|
| CS452 | Internet Protocols                       | 3-0-0  | 6  | Departm<br>ental<br>Elective         | AA |
| CS499 | Project - II                             | 0-0-16 | 16 | CORE                                 | AA |
| HS441 | Industrial and Organizational Psychology | 3-0-0  | 6  | HSS<br>Elective                      | АВ |
| MA412 | Matrix Computation                       | 3-0-0  | 6  | Open<br>Elective<br>- II             | АВ |

Credits Taken: 40 Credits Cleared: 346 SPI: 9.55 CPI: 9.31

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Assistant Registrar (Academic)

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