

International Institute of Information Technology, Hyderabad
Course offerings in 2021-22 Semester I (Monsoon)

UG Programmes

Version-2 (31.7.2021)

| CD | AD | CNO | CName | Credits | Faculty Name(s) |
|---|-----|---------|--------------------------------------|---------|-------------------------------|
| B.Tech I year I Semester - CSE&CSD | | | | | |
| In | MA | MA5.101 | Discrete Structures | 3-1-0-4 | Ashok Kumar Das |
| In | CS | CS0.101 | Computer Programming | 3-1-3-5 | Suresh Purini |
| In | EC | EC2.101 | Digital Systems and Microcontrollers | 3-1-3-5 | Aftab Hussain + Harikumar |
| In | EC | MA4.101 | Real Analysis | 3-1-0-4 | Lakshmi Burra |
| In | HS | OC2.101 | Arts-1 | 2-0-0-2 | CEH Lecturers |
| In | HS | OC3.101 | Value Education-1 | 0-2-0-2 | Radhika Mamidi (Coordinator) |
| In | HS | OC1.101 | Sports-1 | 0-2-0-1 | Physical Education Center |
| | | | Total 14-8-6-23 | | |
| B.Tech I year I Semester - ECE&ECD | | | | | |
| In | MA | EC5.101 | Networks Signals and Systems | 3-1-0-4 | Santosh Nannuru + Anshu Sarje |
| In | CS | CS0.101 | Computer Programming | 3-1-3-5 | Suresh Purini |
| In | EC | EC2.101 | Digital Systems and Microcontrollers | 3-1-3-5 | Aftab Hussain + Harikumar |
| In | EC | MA4.101 | Real Analysis | 3-1-0-4 | Lakshmi Burra |
| In | CS | EC2.102 | Electronic Workshop-1 (H2) | 2-0-3-2 | Madhava Krishna |
| In | HS | OC2.101 | Arts-1 | 2-0-0-2 | CEH Lecturers |
| In | HS | OC3.101 | Value Education-1 | 0-2-0-2 | Radhika Mamidi (Coordinator) |
| In | HS | OC1.101 | Sports-1 | 0-2-0-1 | Physical Education Center |
| | | | Total 16-8-9-25 | | |
| B.Tech I year I Semester – CND | | | | | |
| In | MA | MA5.101 | Discrete Structures | 3-1-0-4 | Ashok Kumar Das |
| In | CS | CS0.101 | Computer Programming | 3-1-3-5 | Suresh Purini |
| In | EC | EC2.101 | Digital Systems and Microcontrollers | 3-1-3-5 | Aftab Hussain + Harikumar |
| PR | CNS | MA4.101 | Real Analysis | 3-1-0-4 | Lakshmi Burra |
| In | CS | CN4.110 | Computing in Sciences-1(H) | 2-0-3-2 | Prabhakar B |
| In | HS | OC2.101 | Arts-1 | 2-0-0-2 | CEH Lecturers |
| In | HS | OC3.101 | Value Education-1 | 0-2-0-2 | Radhika Mamidi (Coordinator) |
| In | HS | OC1.101 | Sports-1 | 0-2-0-1 | Physical Education Center |
| | | | Total 16-8-9-25 | | |
| B.Tech I year I Semester – CLD | | | | | |
| In | MA | MA5.101 | Discrete Structures | 3-1-0-4 | Ashok Kumar Das |
| In | CS | CS0.101 | Computer Programming | 3-1-3-5 | Suresh Purini |
| In | EC | EC2.101 | Digital Systems and Microcontrollers | 3-1-3-5 | Aftab Hussain + Harikumar |
| In | CS | CL1.101 | Introduction to Linguistics-1 | 3-1-0-4 | Aditi Mukherjee/ Anil Kumar V |
| In | HS | OC2.101 | Arts-1 | 2-0-0-2 | CEH Lecturers |
| In | HS | OC3.101 | Value Education-1 | 0-2-0-2 | Radhika Mamidi (Coordinator) |
| In | HS | OC1.101 | Sports-1 | 0-2-0-1 | Physical Education Center |
| | | | Total 14-8-6-23 | | |
| B.Tech I year I Semester – CHD | | | | | |
| In | MA | MA5.101 | Discrete Structures | 3-1-0-4 | Ashok Kumar Das |
| In | CS | CS0.101 | Computer Programming | 3-1-3-5 | Suresh Purini |

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|--|-----|---------|---|---------|---|
| In | EC | EC2.101 | Digital Systems and Microcontrollers | 3-1-3-5 | Aftab Hussain + Harikumar |
| In | HS | HS8.101 | Making of Contemporary World | 3-1-0-4 | Aniket Alam |
| In | HS | HS7.101 | Human Sciences Lab-1 (H2) | 3-1-0-2 | Radhika Krishnan |
| In | OT | OC2.101 | Arts-1 | 2-0-0-2 | CEH Lecturers |
| In | OT | OC3.101 | Value Education-1 | 0-2-0-2 | Radhika Mamidi (Coordinator) |
| In | OT | OC1.101 | Sports-1 | 0-2-0-1 | Physical Education Center |
| | | | Total 17-9-6-25 | | |
| B.Tech II year I Semester - CSE/CSD | | | | | |
| In | MA | CS3.303 | Introduction to IoT | 2-0-3-3 | Deepak Gangadharan |
| In | CS | CS1.301 | Algorithm Analysis & Design | 3-1-0-4 | Srinathan Kannan |
| In | CS | CS3.301 | Operating Systems and Networks | 3-1-0-4 | Krishna Reddy |
| In | CS | CS4.301 | Data and Applications (H1) | 2-0-3-2 | Kamal Karlapalem |
| In | CS | CS1.302 | Automata Theory (H2) | 3-1-0-2 | Shantanav Chakraborty |
| Pr | EC | SC1.110 | Science I | 3-1-0-4 | Prabhakar B |
| | | | Total 14-4-3-19 | | |
| LE-CSD I year I Semester - 2K21 | | | | | |
| In | MA | MA6.101 | Probability and Statistics | 3-1-0-4 | Pawan Kumar |
| In | CS | CS1.301 | Algorithm Analysis & Design | 3-1-0-4 | Srinathan Kannan |
| In | CS | CS3.301 | Operating Systems and Networks | 3-1-0-4 | Krishna Reddy |
| In | CS | CS4.301 | Data and Applications (H1) | 2-0-3-2 | Kamal Karlapalem |
| In | CS | CS1.302 | Automata Theory (H2) | 3-1-0-2 | Shantanav Chakraborty |
| | | | Total 12-4-0-16 | | |
| B.Tech II year I Semester - ECE/EC | | | | | |
| Pr | EC | EC2.103 | Analog Electronic Circuits | 3-1-3-5 | Anshu Sarje |
| Pr | EC | EC2.201 | VLSI Design | 3-1-0-4 | Syed Azeemuddin + Zia Abbas |
| Pr | EC | EC5.202 | Systems Thinking | 3-1-0-4 | Spandan Roy + Vinod PK |
| Pr | EC | EC5.204 | Communication and Controls in IoT (H1) | 3-1-0-2 | Sachin Chaudhari + Aftab Hussain |
| Pr | EC | SC1.110 | Science I | 3-1-0-4 | Prabhakar B |
| | | | Total 15-5-3-19 | | |
| LE-ECD I year I Semester - 2K21 | | | | | |
| Pr | EC | | Maths Elective (Instead of PRP) | 3-1-0-4 | |
| Pr | EC | EC5.201 | Signal Processing (not offering in M21) | 3-1-0-5 | Alternate course will be suggested case by case |
| Pr | EC | EC2.201 | VLSI Design | 3-1-0-4 | Syed Azeemuddin + Zia Abbas |
| Pr | EC | EC5.202 | Systems Thinking | 3-1-0-4 | Spandan Roy + Vinod PK |
| Pr | EC | EC5.204 | Communication and Controls in IoT (H1) | 3-1-0-2 | Sachin Chaudhari + Aftab Hussain |
| Pr | EC | SC1.110 | Science I | 3-1-0-4 | Prabhakar B |
| | | | Total 18-6-0-22 | | |
| B.Tech II year I Semester –CND | | | | | |
| In | CNS | SC2.101 | General and Structural Chemistry | 3-1-0-4 | Tapan Kumar Sau |
| In | CS | SC1.203 | Quantum Mechanics | 3-1-0-4 | Subhadip Mitra |
| In | CS | SC3.101 | Introduction to Biology | 3-1-0-4 | Vinod PK |
| PR | CNS | CS1.301 | Algorithm Analysis & Design | 3-1-0-4 | Srinathan Kannan |
| In | CS | CS4.301 | Data and Applications (H1) | 2-0-3-2 | Kamal Karlapalem |
| In | CS | CS1.302 | Automata Theory (H2) | 3-1-0-2 | Shantanav Chakraborty |
| | | | Total 15-5-0-20 | | |
| B.Tech II year I Semester –CLD | | | | | |
| In | MA | MA6.101 | Probability and Statistics | 3-1-0-4 | Pawan Kumar |

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|--|----|---------|--|---------|----------------------------------|
| In | CS | CL2.203 | Language and Society | 3-1-0-4 | Dipti M Sharma |
| In | CS | CL3.202 | Computational Linguistics II: Comp Semantics and Discourse parsing | 3-1-0-4 | Radhika Mamidi |
| In | CS | CS1.301 | Algorithm Analysis & Design | 3-1-0-4 | Srinathan Kannan |
| In | CS | CS4.301 | Data and Applications (H1) | 2-0-3-2 | Kamal Karlapalem |
| In | CS | CS1.302 | Automata Theory (H2) | 3-1-0-2 | Shantanav Chakraborty |
| | | | Total 15-5-3-20 | | |
| B.Tech II year I Semester –CHD | | | | | |
| In | MA | MA6.101 | Probability and Statistics | 3-1-0-4 | Pawan Kumar |
| Pr | HS | HS0.202 | Thinking and Knowing in the Human Sciences - II | 3-1-0-4 | Radhika Krishnan + Nazia Akhtar |
| Pr | HS | HS0.301 | Classical Text Readings - I | 3-1-0-4 | Ashwin Jayanthi |
| In | CS | CS1.301 | Algorithm Analysis and Design | 3-1-0-4 | Srinathan Kannan |
| In | CS | CS4.301 | Data and Applications (H1) | 2-0-3-2 | Kamal Karlapalem |
| In | CS | CS1.302 | Automata Theory (H2) | 3-1-0-2 | Shantanav Chakraborty |
| | | | Total 15-4-3-20 | | |
| B.Tech III year I Semester – CSE | | | | | |
| Pr | EC | EC3.202 | Embedded Systems Workshop | 1-0-3-3 | Sachin Chaudhari + Aftab Hussain |
| Pr | CS | | Bouquet Course – 1 | 3-1-0-4 | |
| OT | Sc | | Science Elective – 1 | 3-1-0-4 | |
| OT | HS | | HS Elective-1 | 3-1-0-4 | |
| OT | OE | | Open Elective-1 | 3-1-0-4 | |
| Pr | CS | | CSE-Honours-1 (Optional) | 0-2-6-2 | |
| | | | Total 12-4-9-19/21 | | |
| B.Tech III year I Semester - CSD and LCD2K20 | | | | | |
| Pr | EC | EC3.202 | Embedded Systems Workshop | 1-0-3-3 | Sachin Chaudhari + Aftab Hussain |
| Pr | CS | | Bouquet Course – 1 | 3-1-0-4 | |
| OT | Sc | | Science Elective – 1 | 3-1-0-4 | |
| OT | HS | | HS Elective-1 | 3-1-0-4 | |
| OT | OE | | Open Elective-1 | 3-1-0-4 | |
| PR | CS | | Stream Elective-1 | 3-1-0-4 | |
| Pr | CS | | CSE-Honours-1 | 0-2-6-2 | |
| | | | Total 16-7-9-25 | | |
| B.Tech III year I Semester – ECE | | | | | |
| Pr | EC | | Stream Foundation-2 | 3-1-0-4 | |
| Pr | EC | | Stream Elective-1 | 3-1-0-4 | |
| OT | OE | | Open Elective-1 | 3-1-0-4 | |
| OT | OE | | Open Elective-2 | 3-1-0-4 | |
| OT | HS | | HSS Elective-1 | 3-1-0-4 | |
| Pr | EC | | ECE-Honours-1 (Optional) | 0-2-6-2 | |
| | | | Total 15-5-0-20/22 | | |
| B.Tech III year I Semester – ECD and LED 2K20 | | | | | |
| Pr | EC | | Stream Foundation-2 | 3-1-0-4 | |
| Pr | EC | | Stream Elective-1 | 3-1-0-4 | |
| OT | OE | | Open Elective-1 | 3-1-0-4 | |
| OT | OE | | Open Elective-2 | 3-1-0-4 | |
| OT | HS | | HSS Elective-1 | 3-1-0-4 | |
| Pr | EC | | ECE-Honours-1 | 0-2-6-2 | |
| | | | Total 15-5-6-22 | | |
| B.Tech III year I Semester – CND | | | | | |

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|--|-----|---------------------|--|---------|-----------------------------|
| In | CS | CS3.301 | Operating Systems and Networks | 3-1-0-4 | Krishna Reddy P |
| Pr | CNS | SC2.304 | Spectroscopy(H1) | 3-1-0-2 | Marimuthu Krishnan |
| Pr | CNS | SC2.305 | Chemical Kinetics and Reaction Dynamics (H2) | 3-1-0-2 | Tapan Kumar Sau |
| Pr | CNS | SC3.202 | Bioinformatics (H1) | 3-1-0-2 | Nita Parekh |
| Pr | CNS | SC3.203 | Systems Biology (H2) | 3-1-0-2 | Vinod PK |
| Pr | CS | | CS elective - 1 | 3-1-0-4 | |
| Pr | CNS | SC9.302 | CNS Honors - 1 | 0-2-6-2 | |
| Pr | CNS | SC9.600 | CCNSB seminar - 1 | 0 Cr | Prabhakar B (Coordinator) |
| | | | Total 12-4-6-18 | | |
| B.Tech III year I Semester – CLD | | | | | |
| In | CS | CS3.301 | Operating Systems and Networks | 3-1-0-4 | Krishna Reddy P |
| Pr | CL | CS7.501 | Advanced NLP | 3-1-0-4 | Manish Shrivastava |
| Pr | Sc | SC1.110 | Science I | 3-1-0-4 | Prabhakar B |
| Pr | CS | | CS Elective-1 | 3-1-0-4 | |
| OT | HS | | HSS Elective - 1 | 3-1-0-4 | |
| Pr | CL | CL9.302 | CL-Honours-1 | 0-2-6-2 | |
| | | | Total 12-6-6-18 | | |
| B.Tech III year I Semester – CHD | | | | | |
| In | CS | CS3.301 | Operating Systems and Networks | 3-1-0-4 | Krishna Reddy P |
| Pr | HS | HS0.303 | Applied Ethics | 3-1-0-4 | Don Dcruz |
| Pr | Sc | | Science Elective-1 | 3-1-0-4 | |
| Pr | CS | | CS Elective-1 | 3-1-0-4 | |
| OT | HS | | Human Sciences Elective-2 | 3-1-0-4 | |
| Pr | HS | HS9.302 | HS-Honours-1 | 0-2-6-2 | |
| | | | Total 15-7-6-22 | | |
| B.Tech IV year I Semester - CSE | | | | | |
| In | CS | CS9.401/ CS9.402 | BTP II / CSE-Honours Project III | 0-2-6-2 | |
| Pr | CS | | Bouquet Core-4 | 3-1-0-4 | |
| Pr | OE | | Open Elective-3 | 3-1-0-4 | |
| Pr | OE | | Open Elective-4 | 3-1-0-4 | |
| Pr | HS | HS0.203 | Basics of Ethics (H1) | 3-1-0-2 | Ashwin Jayanthi + Don Dcruz |
| | | | Total 12-6-6-16 | | |
| B.Tech IV year I Semester - CSD and LCD2K19 | | | | | |
| In | CS | CS9.401/ CS9.402 | BTP II / CSE-Honours Project III | 0-2-6-2 | |
| Pr | CS | | Stream Elective-3 | 3-1-0-4 | |
| Pr | CS | | Bouquet Core-4 | 3-1-0-4 | |
| Pr | OE | | Open Elective-3 | 3-1-0-4 | |
| Pr | OE | | Open Elective-4 | 3-1-0-4 | |
| Pr | HS | HS0.203 | Basics of Ethics (H1) | 3-1-0-2 | Ashwin Jayanthi + Don Dcruz |
| | | | Total 15-5-6-20 | | |
| B.Tech IV year I Semester - ECE | | | | | |
| In | EC | EC9.401/ EC9.402 | BTP II/ECE-Honours Project III | 0-2-6-2 | |
| Pr | EC | | Stream Elective-3 | 3-1-0-4 | |
| Pr | OE | | Open Elective-3 | 3-1-0-4 | |
| OT | SC | | Science Elective-1 | 3-1-0-4 | |
| In | HS | HS0.203 | Basics of Ethics (H1) | 3-1-0-2 | Ashwin Jayanthi + Don Dcruz |

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|--|-----|---------------------|--------------------------------|---------|-----------------------------|
| | | | Total 12-4-6-16 | | |
| B.Tech IV year I Semester – ECD and LED2K19 | | | | | |
| In | EC | EC9.401/ EC9.402 | BTP II/ECE-Honours Project III | 0-2-6-2 | |
| Pr | EC | | Stream Elective-4 | 3-1-0-4 | |
| Pr | EC | | Stream Elective-5 | 3-1-0-4 | |
| Pr | OE | | Open Elective-3 | 3-1-0-4 | |
| OT | SC | | Science Elective-1 | 3-1-0-4 | |
| In | HS | HS0.203 | Basics of Ethics (H1) | 3-1-0-2 | Ashwin Jayanthi + Don Dcruz |
| | | | Total 15-7-6-20 | | |
| B.Tech IV year I Semester – CND | | | | | |
| Pr | CNS | SC9.402 | CNS-Honours Project III | 0-2-6-2 | |
| Pr | CNS | | CNS Elective-3 | 3-1-0-4 | |
| Pr | CS | | CS Elective-3 | 3-1-0-4 | |
| Pr | CS | | CS Elective-4 | 3-1-0-4 | |
| In | HS | HS0.203 | Basics of Ethics (H1) | 3-1-0-2 | Ashwin Jayanthi + Don Dcruz |
| Pr | CNS | SC9.600 | CCNSB Seminar-3 | 0 Cr | Prabhakar B (Coordinator) |
| | | | Total 12-6-6-18 | | |
| B.Tech IV year I Semester – CLD | | | | | |
| Pr | CL | CL9.402 | CL-Honours Project III | 0-2-6-2 | |
| Pr | CL | | CL Stream Elective-2 | 3-1-0-4 | |
| Pr | CL | | CL Stream Elective-3 | 3-1-0-4 | |
| Pr | CS | | CS Elective-3 | 3-1-0-4 | |
| In | OE | | Open Elective-2 | 3-1-0-4 | |
| In | HS | HS0.203 | Basics of Ethics (H1) | 3-1-0-2 | Ashwin Jayanthi + Don Dcruz |
| | | | Total 15-7-6-20 | | |

PG Programmes

| CD | AD | CNO | CName | Credits | Faculty Name(s) |
|--|----|---------|---|---------|--------------------------------|
| M.Tech I year I Semester - CSE & CSIS | | | | | |
| In | CS | CS1.304 | Data Structures & Algorithms for Problem Solving | 3-0-2-6 | Vineet Gandhi + Avinash Sharma |
| In | MA | MA6.301 | Maths for Computer Science 1- Probability and Statistics (H1) | 3-1-0-2 | Girish Varma |
| In | MA | MA6.302 | Maths for Computer Science 2 - Linear Algebra (H2) | 3-1-0-2 | Indranil Chakrabarthy |
| In | CS | CS6.302 | Software Systems Development | 3-0-2-4 | Raghu Reddy + Charu Sharma |
| In | CS | CS3.304 | Advanced Operating Systems | 3-0-1-4 | Manish Shrivastava |
| | | | Total 12-1-5-18 | | |
| M.Tech II year I Semester – CSE | | | | | |
| Pr | CS | | Bouquet Core | 3-1-0-4 | |
| Pr | CS | | Bouquet Core | 3-1-0-4 | |
| Pr | OT | | Area Elective | 3-1-0-4 | |
| Pr | CS | | Breadth Elective/Project/Independent Study | 3-1-0-4 | |
| | | | Total 12-4-0-16 | | |
| * At most 4 credits can be converted to Project/Independent Study in lieu of course credits(66) | | | | | |

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|---|----|---------|--------------------------------------|---------|---|
| M.Tech II year I Semester – CSIS | | | | | |
| Pr | CS | CS8.501 | Research in Information Security | 3-1-0-4 | Ashok Kumar Das |
| Pr | CS | CS3.402 | Advanced Computer Networks | 3-1-0-4 | Ankit Gangwal |
| Pr | CS | | Bouquet Elective | 3-1-0-4 | |
| Pr | CS | | Area/CS/IT Elective | 3-1-0-4 | |
| | | | Total 12-4-0-16 | | |
| M.Tech I Year I Semester – CASE | | | | | |
| In | SE | CE1.501 | Structural Dynamics | 3-1-0-4 | Sunitha P |
| In | CS | CS0.301 | Computer Problem Solving | 3-1-0-4 | Lini Thomas |
| In | SE | CE4.501 | Finite Element Method | 3-1-0-4 | Venkateswarlu M |
| In | SE | CE1.502 | Structural Engineering Design Studio | 3-1-0-4 | Pradeep Kumar R |
| In | SE | CE0.501 | Theory of Elasticity and Plasticity | 3-1-0-4 | Pravin Kumar Venkat Rao |
| | | | Total 15-5-0-20 | | |
| M.Tech II Year I Semester – CASE | | | | | |
| In | CS | CE9.609 | IoT Workshop | 3-1-0-4 | Vishal Garg + Sachin Chaudhari (Coordinator) + Aftab Hussain |
| In | CE | | CASE Elective-4 | 3-1-0-4 | |
| In | CE | | CASE Elective-5 | 3-1-0-4 | |
| In | CE | | CASE Elective-6 | 3-1-0-4 | |
| In | CE | | CASE Elective-7 | 3-1-0-4 | |
| | | | Total 15-5-0-20 | | |

Electives

| | | CNO | CName | Credits | Faculty Name(s) |
|--|--|---------|---|---------|---|
| Electives for CND Students | | | | | |
| | | SC2.310 | Selected topics in Instrumental Analysis | 3-1-0-4 | Tapan Kumar Sau |
| | | SC2.315 | Molecular symmetry and quantum mechanics | 3-1-0-4 | Harjinder Singh |
| | | SC1.310 | Open Quantum Systems and Quantum Thermodynamics | 3-1-0-4 | Samyadeb Bhattacharya |
| | | | | | |
| Electives for CLD Students | | | | | |
| | | CS4.406 | Information Retrieval & Extraction | 3-1-0-4 | Vasudeva Varma |
| | | EC5.408 | Speech Signal Processing | 3-1-0-4 | Anil Kumar V + Chiranjeevi Yarra |
| | | CS9.426 | Intro to Cognitive Science | 3-1-0-4 | Priyanka Srivastava + Vishnu Sreekumar |
| | | CL5.401 | Topics in SSMT | 3-1-0-4 | Anil Vuppala + Rajeev Sangal + Dipti M Sharma |
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| ECE Electives (Also applicable as CSE/Open Electives) | | | | | |
| Note for UG ECE/ECD Students: Please read carefully the guidelines for choosing of ECE Electives before registering. | | | | | |
| | Signal Processing & Communications Stream | | | | |
| | | CS7.404 | Digital Image Processing | 3-1-0-4 | Sudipta Banerjee |
| | | EC5.408 | Speech Signal Processing | 3-1-0-4 | Anil Kumar V + Chiranjeevi Yarra |

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|--|--|---------|--|---------|--|
| | | CS7.403 | Statistical Methods in AI | 3-1-0-4 | Anoop Namboodiri |
| | | EC5.407 | Wireless Communications | 3-1-0-4 | Ubaidulla |
| | | EC5.409 | Radar Systems | 3-1-0-4 | K R Sarma |
| | | EC5.406 | Signal Detection and Estimation Theory | 3-1-0-4 | Praful Mankar |
| VLSI and Embedded Systems Stream | | | | | |
| | | EC2.401 | Analog IC Design | 3-1-0-4 | Abhishek Srivastava |
| | | EC2.407 | Design for Testability | 3-1-0-4 | Ganesh V. Bhutekar, Renia Inc. |
| Robotics Stream | | | | | |
| | | CS7.503 | Mobile Robotics | 3-1-0-4 | Madhava Krishna |
| | | CS7.404 | Digital Image Processing | 3-1-0-4 | Sudipta Banerjee |
| | | EC4.401 | Robotics: Dynamics and Control | 3-1-0-4 | Spandan Roy + Nagamanikandan G |
| | | CS7.502 | Topics in Machine Learning Prerequisite: Statistical Methods in AI | 3-1-0-4 | Naresh Manwani |
| | | CS7.403 | Statistical Methods in AI | 3-1-0-4 | Anoop Namboodiri |
| Electives for PG CASE students | | | | | |
| | | CE4.601 | Applied Regression Analysis | 3-1-0-4 | Venkateshwarlu M |
| | | CS4.408 | Spatial Informatics | 3-1-0-4 | Rajan KS |
| | | CE0.501 | Theory of Elasticity and Plasticity | 3-1-0-4 | Pravin Kumar Venkat Rao |
| | | CE1.607 | Earthquake Resistant Design of Masonry Structures | 3-1-0-4 | Pravin Kumar Venkat Rao |
| | | CE1.604 | Advanced Structural Design | 3-1-0-4 | Sunitha P |
| | | CS9.428 | Environmental Science & Technology | 3-1-0-4 | RC Prasad |
| | | CE1.605 | IS Codes on Design and Structural Safety Assessment | 3-1-0-4 | Pradeep Kumar R |
| | | CE1.509 | Structural Wind Engineering | 3-1-0-4 | Shaik Rehana |
| Bouquet Courses -Max. no of students for each course is given in the brackets | | | | | |
| Theory | | | | | |
| | | CS1.405 | Modern Complexity Theory (100) | 3-1-0-4 | Girish Varma + Nitin Saurabh |
| | | CS1.402 | Principles of Programming Languages (100) | 3-1-0-4 | Amey Karkare, IIT Kanpur |
| Systems | | | | | |
| | | CS3.401 | Distributed Systems (150) | 3-1-0-4 | Kishore Kothapalli |
| | | CS4.401 | Data Systems (150) | 3-1-0-4 | Kamal Karlapalem |
| | | CS3.402 | Advanced Computer Networks (150) | 3-1-0-4 | Ankit Gangwal |
| Artificial Intelligence | | | | | |
| | | CS7.403 | Statistical Methods in AI (200) | 3-1-0-4 | Anoop Namboodiri |
| | | CS4.406 | Information Retrieval & Extraction (100) | 3-1-0-4 | Vasudeva Varma |
| | | CS7.501 | Advanced NLP (100) | 3-1-0-4 | Manish Shrivastava |
| | | CS4.405 | Data Analytics I (100) | 3-1-0-4 | Vikram Pudi |
| IT + X | | | | | |
| | | CS9.426 | Intro to Cognitive Science (50) | 3-1-0-4 | Priyanka Srivastava + Vishnu Sreekumar |
| | | CS4.408 | Spatial Informatics (50) | 3-1-0-4 | Rajan KS |
| CPS | | | | | |
| | | CS3.502 | Real-Time Systems (50) | 3-1-0-4 | Deepak Gangadhran |

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|--|--|---------|---|---------|--|
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| CSE/Open Electives | | | | | |
| | | CS8.501 | Research in Information Security | 3-0-1-4 | Ashok Kumar Das |
| | | CS4.404 | Advanced Data Systems | 3-1-0-4 | Krishna Reddy P |
| | | CS9.425 | Social Science Perspective on HCI (Open Elective) (Max:60 Students) | 3-1-0-4 | Nimmi Rangaswamy |
| | | CS3.403 | Distributing Trust and Block Chains (Max: 40 Students) | 3-1-0-4 | Sujit Gujar |
| | | CS9.428 | Environmental Science & Technology (Open Elective) | 3-1-0-4 | RC Prasad |
| | | CS9.427 | Introduction to Neural and Cognitive Modeling | 3-1-0-4 | Bapi Raju S |
| | | CL3.202 | Computational Linguistics II: Comp Semantics and Discourse parsing | 3-1-0-4 | Radhika Mamidi |
| | | CS9.421 | Behavioral Research & Experimental Design | 3-1-0-4 | Vinoo Alluri + Vishnu Sreekumar |
| | | CS9.424 | Technology Product Entrepreneurship (50) | 3-1-0-4 | Ramesh Logangathan + Prakash Yalla |
| | | CE5.502 | Hydrological modelling and Software Development (40) (Open Elective) | 3-1-0-4 | Shaik Rehana |
| | | CS9.313 | Eco-Informatics (Open Elective) | 3-1-0-4 | RC Prasad |
| | | CS6.501 | Topics in Software Engineering | 3-1-0-4 | Raghu Reddy + Vasudeva Varma + Pankaj Jalote (IIITD) |
| | | CS9.423 | Introduction to Neuroeconomics | 3-1-0-4 | Kavita Vemuri + Guest Faculty |
| | | CS4.407 | Online Privacy | 3-1-0-4 | Ponnurangam K |
| | | CS2.401 | FPGA based Accelerator Design | 3-1-0-4 | Suresh Purini + Padmini Gopalakrishnan |
| | | CS7.504 | Fairness, Privacy and Ethics in AI | 3-1-0-4 | Sujit Gujar |
| | | CS3.306 | Algorithms and Operating Systems (Open Elective for UG ECE/D students only) | 3-1-0-4 | Lini Thomas |
| | | | | | |
| Math Electives (Random selection) Maximum no. of students for the following courses is: 50 each | | | | | |
| | | CE4.501 | Finite Element Method | 3-1-0-4 | Venkateshwarlu M |
| | | MA4.404 | Functional Analysis | 3-1-0-4 | Lakshmi Burra |
| | | MA8.401 | Topics in Applied Optimization | 3-1-0-4 | Pawan Kumar |
| | | | | | |
| Science Electives (Random selection) Max. no of students for each course is given in the brackets | | | | | |
| | | SC2.310 | Selected topics in Instrumental Analysis (60) | 3-1-0-4 | Tapan Kumar Sau |
| | | SC2.315 | Molecular symmetry and quantum mechanics (40) | 3-1-0-4 | Harjinder Singh |
| | | SC3.320 | Advanced Biomolecular Architecture (60) | 3-1-0-4 | Deva Priyakumar |
| | | SC3.321 | Biomolecular Structure Interaction & Dynamics (30) Prerequisites: ABA, GSC or equivalent | 3-1-0-4 | B.Gopalakrishnan |
| | | SC1.310 | Open Quantum Systems and Quantum Thermodynamics (35) | 3-1-0-4 | Samyadeb Bhattacharya |

| Humanities Electives for UG3 and UG4 (Random selection) Max. no of students for each course is 40 | | | | | |
|--|--|---------|--|---------|--|
| | | HS1.205 | Understanding Raga: Semi Classical Forms of Indian Music | 3-1-0-4 | Saroja TK |
| | | HS3.201 | Introduction to History | 3-1-0-4 | Aniket Alam |
| | | HS2.201 | Introduction to Sociology | 3-1-0-4 | Radhika Krishnan |
| | | HS2.202 | Intro to Psychology | 3-1-0-4 | Priyanka Srivastava + Vishnu Sreekumar |
| | | HS8.201 | Gender and Society | 3-1-0-4 | Sushmita Banerjee |
| | | HS1.301 | Critical Viewing and Reading | 3-1-0-4 | Sushmita Banerjee (25) |
| | | CS9.425 | Social Science Perspective on HCI | 3-1-0-4 | Nimmi Rangaswamy (60) |
| | | HS1.204 | Introduction to Literature | 3-1-0-4 | Nazia Akhtar |
| | | HS4.301 | Environment & Politics in India | 3-1-0-4 | Radhika Krishnan (25) |

Date:26.7.2021

**Sd/-
Dean (Academics)**