

GENERAL SLOT PATTERN VIII SEMESTER FOR B.TECH (COMPUTER SCIENCE ENGINEERING)

| Day | 8.30 – 9.25 | 9.30 – 10.25 | 10.35 – 11.30 | 11.35 – 12.30 | | 2.30 – 3.55 | 4.00 – 5.25 | 5.30 – 6.55 | 7.00 – 8.25 |
|------------------|-------------|----------------------|---------------|-----------------------|-----------------------------------|-------------|-------------|-------------|-------------|
| Monday | 1A | 2A | 3A | 4A | Lunch break between 12.30 to 2.00 | 8A | 9A | 12A | 13A |
| Tuesday | 4B | 1B | 2B | 3B | | 10A | 11A | 14A | 15A |
| Wednesday | 7A | 5A (9.30 – 10.55) | | 6A (11.05 – 12.30) | | X1 | X2 | X3 | |
| Thursday | 3C | 4C | 1C | 2C | | 8B | 9B | 12B | 13B |
| Friday | 7B | 6B (9.30 – 10.55) | | 5B (11.05 – 12.30) | | 10B | 11B | 14B | 15B |

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|---------------|------------|-------------------|----------------|----------|-------------------|----------------|-------------|
| SLOT 1 | 1A, 1B, 1C | One hour | SLOT 9 | 9A, 9B | One and half hour | Slot L1 | 3 hour slot |
| SLOT 2 | 2A, 2B, 2C | One hour | SLOT 10 | 10A, 10B | One and half hour | Slot L2 | 3 hour slot |
| SLOT 3 | 3A, 3B, 3C | One hour | SLOT 11 | 11A, 11B | One and half hour | Slot L3 | 3 hour slot |
| SLOT 4 | 4A, 4B, 4C | One hour | SLOT 12 | 12A, 12B | One and half hour | Slot L4 | 3 hour slot |
| SLOT 5 | 5A, 5B | One and half hour | SLOT 13 | 13A, 13B | One and half hour | Slot L5 | 3 hour slot |
| SLOT 6 | 6A, 6B | One and half hour | SLOT 14 | 14A, 14B | One and half hour | Slot L6 | 3 hour slot |
| SLOT 7 | 7A, 7B | Slot for quizzes | SLOT 15 | 15A, 15B | One and half hour | Slot LX | 3 hour slot |
| SLOT 8 | 8A, 8B | One and half hour | | | | | |

TIMETABLE FOR SPRING SEMESTER 2019-2020
VIII SEMESTER B.TECH (COMPUTER SCIENCE ENGINEERING)

| Course No. | Course Name | Department | Lecture | | Instructor | |
|---------------------------------------|-------------|---|-----------------|------------------------|------------|--|
| | | | Slot | Venue | | |
| Elective I, Elective II, Elective III | CS406 | Compilers | CSE | 9A (1Hr), 7A, X1 | 211 | Dr. Nikhil |
| | CS407 | Parameterized Algorithms and Complexity | CSE | 8 | 119 | Dr. Sandeep |
| | CS408 | Statistical Pattern Recognition | All | 1 | 119 | Dr. Prabuchandran |
| | MA30 2 | Algebraic Codes and Combinatorics | Maths | 5 | 214 | Prof. Sastry |
| | EE408 | Artificial Neural Networks and Deep Learning | EE | 6 | 214 | Prof. Prasanna |
| | HS302 | Modernism and Its Heroes | HSS | 10 | 117 | Prof. Ridhima |
| | PH403 | Classical Mechanics | PHY | 11 | 214 | Prof. Narasimha |
| | HS404 | Applied Ethics | HSS | 12 | 117 | Prof. Jolly Thomas |
| | PH404 | Introduction to Quantum Information and Computation | PHY | 13 | 214 | Prof. R. Prabhu |
| | CH302 | Sustainable energy and energy materials | CHEM, EE, ME | 14 | 214 | Prof. Rajeswara, Prof. Pratyasa, Prof. Sudheer |
| | EE304 | Robotics | ME | 7A, 7B, X1 | 214 | Prof. Sangamesh |

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|-------|----------------------------------|---|--|-----|--|
| EE409 | Speech Processing | EE | Sat 2.30 to 4.00 p.m. and Sun 9.30 to 11.00 a.m. | 214 | Prof. Prasanna and Dr. Ajay (Amazon) |
| ME423 | Introduction to HPC | All (including 4 th semester students) | 12A, XC | 115 | Prof. Dhiraj Patil Prof. Nikhil Hegde Prof. Virendra Bhavsar |
| HS304 | Intellectual Property Management | All 3 rd year students | XE (Wed 9PM to 10:30PM), 12B, 13B | 23 | Prof. Hirwani |
| EE421 | Multivariable Control Systems | EE | 2 | 214 | Prof. Ameer |

ELECTIVES COMMON TO ALL BRANCHES

| Sl No. | Course No. | Course Name | Instructor | Exposure to |
|--------|------------|--|-----------------------------|--|
| | | Statistical Pattern Recognition | Dr. Prabuchandran K. J. | Probability, Linear Algebra, Programming in Python |
| | | Artificial Neural Networks and Deep Learning | Prof. Prasanna | Data Analysis |
| | | Speech Processing | Prof. Prasanna and Dr. Ajay | Introduction to probability |
| | | Modernism and Its Heroes | Prof. Ridhima | |
| | | Classical Mechanics | Prof. Narasimha | |

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|--|--|---|--|--|
| | | Applied Ethics | Prof. Jolly Thomas | |
| | | Quantum Information, Communication, and Computation | Prof. R. Prabhu | |
| | | Sustainable energy and energy materials | Prof. Rajeswara, Prof. Pratyasa, Prof. Sudheer | |
| | | Robotics | Prof. Sangamesh | |
| | | Introduction to HPC | Prof. Dhiraj Patil, Prof. Nikhil Hegde, Prof. Virendra Bhavsar | |
| | | Algebraic Codes and Combinatorics | Prof. Sastry | |

***this course should not have been taken earlier**

ELECTIVES WHICH GENERALLY REQUIRE DEPARTMENTAL BACKGROUND EXPOSURE

| SI No. | Course No. | Course Name | Instructor | Exposure to |
|---------------|-------------------|---|-------------------|--|
| | CS406 | Compilers | Dr. Nikhil | Automata theory, Data Structures and Algorithms, Computer Architecture, Programming in C/C++/Java. |
| | CS407 | Parameterized Algorithms and Complexity | Dr. Sandeep | Data Structures and Algorithms, Design and Analysis of Algorithms |
| | EE421 | Multivariable Control Systems | Prof. Ameer | Control Systems |
| | | | | |

Eighth semester students are supposed to take either 2 electives and one B. Tech project or 3 electives without B.Tech project.

NOTE TO STUDENTS FOR THE CHOICE OF ELECTIVES

- There are no minimum number of electives to be taken from the department**

Minimum of two electives are to be taken from outside the department with at least one elective from the HSS department. It would be better for the students, if they take one elective from outside the department in eighth semester and another one in the eighth semester