

**List of Courses Offered for July-Dec 2019 Semester (dept. of CSE)**

| S.No. | Course code                | Course title  | Credits | Segment | Allocated Slot | Allocated Classroom | Pre-requisites                  | Course Instructor(s) Name | Coordinator name | Remarks               | Sem I | Sem III | Sem V | Sem VII | Dual-Deg | M.Techs | Ph.D.s | EMDS Sem I | EMDS Sem III |
|-------|----------------------------|---|---------|---------|----------------|---------------------|---------------------------------|---------------------------|------------------|-----------------------|-------|---------|-------|---------|----------|---------|--------|------------|--------------|
| 1     | ID1303                     | Introduction to Programming   | 2       | 36      | A              | Audi                |                                 | Sathya                    |                  |                       | Y     |         |       |         |          |         |        |            |              |
| 2     | CS1310                     | Discrete Structures - I   | 2       | 14      | B              | A-LH2               |                                 | Aravind N R               |                  |                       | Y     |         |       |         |          |         |        |            |              |
| 3     | CS2233                     | Data Structures   | 3       | 16      | P              | Audi                |                                 | Subrahmanyam              |                  |                       |       | Y       |       |         |          |         |        |            |              |
| 4     | CS2323                     | Computer Architecture   | 2       | 14      | C              | A-119               |                                 | Sparsh                    | Sparsh Mittal    |                       |       | Y       |       |         |          |         |        |            |              |
| 5     | CS2400                     | POPL-I  | 1       | 56      | D              | A-LH2               |                                 | Saurabh                   |                  |                       |       | Y       |       |         |          |         |        |            |              |
| 6     | CS3510                     | Operating Systems I   | 1       | 56      | R              | A-LH2               |                                 | Arjun                     |                  |                       |       | Y       |       |         |          |         |        |            |              |
| 7     | CS3423<br>CS6240<br>CS6383 | Compilers II +<br>Advanced Compiler Design +<br>CompilerEngineering | 3       | 16      | A              | C-LH5               |                                 | Ramakrishna               |                  |                       |       |         | Y     |         | Y        | Y       | Y      |            |              |
| 8     | CS3530                     | Computer Networks I   | 1       | 56      | S              | A-LH2               |                                 | Kotaro                    |                  |                       |       |         | Y     |         |          |         |        |            |              |
| 9     | CS3550                     | DBMS I  | 1       | 56      | B              | A-LH2               |                                 | Manohar Kaul              |                  |                       |       |         | Y     |         |          |         |        |            |              |
| 10    | CS6013                     | Advanced Data Structures and Algorithms                             | 3       | 16      | G              | A-117               |                                 | Rakesh                    |                  |                       |       |         |       |         |          | Y       | Y      |            |              |
| 11    | CS6410                     | Software Verification   | 3       | 16      | E              | C-LH5               | Discrete Mathematics, Compilers | Saurabh                   | Saurabh Joshi    |                       |       |         | Y     | Y       | Y        | Y       | Y      |            |              |
| 12    | CS5260                     | Compiler Optimizations  | 3       | 16      | B              | C-LH5               | Compilers-II                    | Ramakrishna               |                  |                       |       |         |       | Y       | Y        | Y       | Y      |            |              |
| 13    | CS5110                     | Computational Complexity  | 3       | 16      | R              | A-117               | ToC, Intro to Complexity        | Kartek                    |                  |                       |       |         | Y     | Y       | Y        | Y       | Y      |            |              |
| 14    | CS5380                     | Introduction to Wireless Networks                                   | 1       | 12      | Q              | C-LH5               | Computer Networks I             | Arjun                     |                  |                       |       |         |       | Y       | Y        | Y       | Y      |            |              |
| 15    | CS5553                     | Wireless Networks & Security  | 3       | 16      | Q              | C-LH5               | Computer Networks I             | Arjun                     |                  |                       |       |         |       | Y       | Y        | Y       | Y      |            |              |
| 16    | CS5600                     | Data Mining   | 3       | 16      | F              | A-117               |                                 | Manish                    |                  |                       | N     | N       | Y     | N       | Y        | Y       | Y      | N          | N            |
| 17    | CS5453                     | Internet of Things  | 3       | 16      | --             |                     |                                 | Antony Franklin           |                  |                       |       |         |       |         |          |         |        |            | Y            |
| 18    | CS5590                     | Foundations of Machine Learning                                     | 3       | 16      | P              | A-LH2               |                                 | Saketha                   |                  | I would prefer 1.5hrs |       | Y       | Y     | Y       | Y        | Y       | Y      | Y          | Y            |
| 19    | CS5620                     | Probabilistic Modelling   | 2       | 36      | W              | C-LH5               |                                 | Srijith                   |                  |                       |       |         | Y     |         |          | Y       | Y      |            |              |
| 20    | CS5460                     | Essential Mathematics for Data Analytics                            | 2       | 14      | --             |                     |                                 | Maunendra/Srijith         |                  |                       |       |         |       |         |          | Y       | Y      |            |              |
| 21    | CS6660                     | Mathematical Foundations of Data Science                            | 3       | 14      | --             |                     |                                 | Maunendra/Srijith         |                  |                       |       |         |       |         |          |         |        | Y          |              |
| 22    | CS5480                     | Deep Learning for Vision  | 3       | 16      | Q              | A-LH2               |                                 | Vineeth                   |                  |                       |       |         |       | Y       | Y        | Y       | Y      |            |              |



