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| Form 'A' | | | | | |
| | | | | | For doubts contact : |
| <u>Mapping of Curriculum with suitable Spoken Tutorial (ST) courses – the ST courses will be represented as “Value-Added lab Course”</u> | | | | | Mr. Aashraya Seth aashrayaseth@gmailMo b. : 08960070001 |
| <u>(Colleges to put the selected ST Course in a time-table when the new term starts. Students to be enrolled and to start viewing the course tutorial videos in the first week of the particular Subject Course starting.)</u> | | | | | |
| <u>Subject Course name</u> | <u>Recommended ST Course</u> | <u>ST Course Selection</u> | <u>Stream/ Dept.</u> | | <u>Implementation process</u> |
| | | | | | <u>Complete activities per Form 'B' -</u> |
| | | <i>College to complete and send to IITB ST Mgr.</i> | | | <u>When term/ semester starts (Jul '18)</u> |
| | | <u>Please tick mark per selection</u> | <u>Please fill in dept. Name</u> | <u>Semester Number</u> | <u>Proposed date to complete Form 'B'</u> <u>(please fill in)</u> |
| <i>Faculty of Information and Communication Engineering</i> | | | | | |
| <u>Department of Computer Science and Engg.IT, ECE</u> | | | | | |
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| C programming | C/C++ | | | | |
| Data Structures and Object Oriented Programming Laboratory. | C/C++ | | | | |
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| Java programming | Java, Netbeans | | | | |
| OOPs with Java | Java | | | | |

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|---|--|--|--|--|--|
| Operating systems | Linux-Ubuntu | | | | |
| Database management | PHPMySQL | | | | |
| Electronic Lab | Arduino | | | | |
| Web programming | Python | | | | |
| Internet programming lab | Perl, Ruby | | | | |
| Open Source Lab | Linux-Ubuntu, BASH | | | | |
| Computer graphics | Blender | | | | |
| Content management framework | Drupal, Git | | | | |
| Project Work | LaTeX - Useful for technical writing in projects | | | | |
| Faculty of Technology | | | | | |
| Department of Bio-Technology, Chemical Engg, Petroleum Engineering | | | | | |
| Computer Practice Laboratory | C, C++ | | | | |
| Data Structures and Object Oriented Programming Laboratory. | Java | | | | |
| Computational chemistry | Avogadro | | | | |
| Applied Chemistry Lab | GchemPaint, Avogadro | | | | |
| Biology Lab | Cell Designer, Jmol Applications | | | | |
| ComputationalChemicalEngineeringLab | DWSIM | | | | |

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|---|--|--|--|--|--|
| Chemical process modelling | Ascend; Open Modelica | | | | |
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| Mathematics | Scilab | | | | |
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| Computational Biology Lab | Bio- python | | | | |
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| Fluid Mechanics Lab | Open Foam | | | | |
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| Open Source Lab | Linux-Ubuntu, BASH | | | | |
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| Employability Skills | Libre Office Suite – Writer, Calc, Impress | | | | |
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| Project Work | LaTeX – Useful for technical writing in projects | | | | |
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| <i>Faculty of Civil Engineering</i> | | | | | |
| <u>Department of Civil Engg</u> | | | | | |
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| Computer Practice Laboratory | C, C++ | | | | |
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| CAD Laboratory | QCAD | | | | |
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| CFD Lab | Open Foam | | | | |
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| Open Source Lab | Linux-Ubuntu, BASH | | | | |
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| Computer Aided Building Drawing | Blender , Open Modelica | | | | |
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| Applied Chemistry Lab | GChemPaint | | | | |
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| Project Work | LaTeX – Useful for technical writing in projects | | | | |
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| <i>Faculty of Electrical and Electronics Engineering</i> | | | | | |
| <u>Department of Electrical and Electronic Engg, Instrumental Engg</u> | | | | | |

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| Computer Practice Laboratory | C, C++, Java | | | | |
| VLSI Design Laboratory | Scilab, Arduino | | | | |
| Open Source Lab | Linux-Ubuntu, BASH | | | | |
| Electron Devices and Electric Circuits Lab | Oscad; Kicad; NgSpice | | | | |
| Electronics Laboratory | Oscad; Kicad; NgSpice | | | | |
| Project Work | LaTeX – Useful for technical writing in projects | | | | |
| Faculty of Mechanical Engineering | | | | | |
| Department of Mechanical Engg, Industrial Engg, Aerospace engg, | | | | | |
| Computer Practice Laboratory | C, Linux | | | | |
| Electrical Engineering Laboratory | Oscad; Kicad; NgSpice | | | | |
| Fluid Mechanics and Machinery Laboratory | OpenFoam | | | | |
| C.A.D. / C.A.M. Laboratory | QCAD ; Open Modelica | | | | |
| Mathematics –II | Scilab | | | | |
| Computer Aided Part and Assembly Drawing (Aerospace engg) | QCAD ; Open Modelica | | | | |
| Open Source Lab | Linux-Ubuntu, BASH | | | | |
| Employability Skills | Python | | | | |

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| Project Work | LaTeX – Useful for technical writing in projects | | | | |
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| Faculty of Management Science | | | | | |
| <u>MCA, MBA</u> | | | | | |
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| C programming | C/C++ | | | | |
| Data Structures and Object Oriented Programming Laboratory. | C/C++ | | | | |
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| Java programming | Java | | | | |
| OOPs with Java | Java | | | | |
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| Operating systems | Linux-Ubuntu | | | | |
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| Database management | PHPMySQL | | | | |
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| Web programming | Python | | | | |
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| Internet programming lab | Perl, Ruby | | | | |
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| Open Source Lab | Linux-Ubuntu, BASH | | | | |
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| Computer graphics | Blender | | | | |
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| Content management framework | Drupal | | | | |
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| Graphic and multimedia lab | GIMP, Blender | | | | |
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| Project Work | LaTeX – Useful for technical writing in projects | | | | |

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| Form B | | | | | For Guidance Contact – Aashraya Seth aashrayaseth@gmail.com, +91-8960070001 | | |
| <u>(To be completed by College Chief Faculty Coordinator – Semester wise)</u> | | | | | | | |
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| <u>Stream</u> | <u>ST Course</u> | <u>Semester No.</u> | <u>Master Batch upload</u> | <u>Batch No.</u> | <u>Course start date</u> | <u>Participant List mark attendance</u> | <u>Test Date</u> |
| eg: BCA | C/C++ | I | YES – Date | 1) | 01-Jul-18 | 04-Jul-18 | 02-Aug-18 |
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