

Detailed Syllabus
Lecture-wise Breakup

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|--------------------|------------------------------|--|---|
| Course Code | 17M17CS211 | Semester Odd 2018 (specify Odd/Even) | Semester 3rd Session 2018 -2019 Month from July to Dec |
| Course Name | Project Based Learning – III | | |
| Credits | 4 | Contact Hours | |

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|------------------------|---------------------------------------|-----------------------------|
| Faculty (Names) | Coordinator(s) | Mahendra Kumar Gurve |
| | Teacher(s) (Alphabetically) | Mahendra Kumar Gurve, Sonal |

| COURSE OUTCOMES | | COGNITIVE LEVELS |
|------------------------|---|--------------------------------|
| CO1 | Understand the Software Development Automation processes and work collaboratively in a small team to develop a project on software development automation. | Understanding Level (Level II) |
| CO2 | Conduct preliminary literature Review, study different automation tools and find vulnerabilities in the studied literature/tools. | Understanding Level (Level II) |
| CO3 | Analyze and identify the various frameworks, APIs , libraries and tools used for project/ software implementation. | Analyzing Level (Level IV) |
| CO4 | Design Software Development Automation software using required frameworks, APIs and libraries. | Applying Level (Level III) |
| CO5 | Evaluate and validate developed project with respect to various software automation frameworks. | Evaluating Level (Level V) |
| CO6 | Prepare technical detailed report detailing the problem statement, proposed methodology, software specification, design, test plan, and implementation details. | Creating Level (Level VI) |

| Module No. | Title of the Module | Topics in the Module | No. of Lectures for the module |
|-------------------|----------------------------|-----------------------------|---------------------------------------|
| 1. | ... | ... | ... |
| 2. | ... | ... | ... |
| 3. | ... | ... | ... |
| 4. | ... | ... | ... |
| 5. | ... | ... | ... |
| 6. | ... | ... | ... |
| 7. | ... | ... | ... |
| ... | ... | ... | ... |
| <i>n.</i> | ... | ... | ... |
| | | | ... |

- i) Each fortnightly assessment - 8**
(First assessment will be at the end of 3rd week from the beginning of the semester and thereafter fortnightly assessment. A total of six assessments giving a total percentage $6 \times 8 = 48$) = 48
- (ii) Report at the end of the semester - 10**

(iii) Semester end presentation by the students - 10
(iv) Viva-voce at the end of the semester - 16
(v) Peer group evaluation (i.e. evaluation by the fellow students not belonging to the same batch)-8
(vi) Self assessment by the student concerned (can be - 8 moderated by the instructor)
TOTAL=100

Recommended Reading material: Author(s), Title, Edition, Publisher, Year of Publication etc. (Text books, Reference Books, Journals, Reports, Websites etc. in the IEEE format)

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| 2. | ... |
| 3. | ... |
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| <i>m.</i> | ... |

Lecture-wise Breakup

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|--------------------|------------------------|--|--|
| Course Code | 17M17CS212 | Semester Odd 2018 (specify Odd/Even) | Semester 3rd Session 2018 -2019 Month from July to Dec |
| Course Name | Seminar and Term Paper | | |
| Credits | 4 | Contact Hours | |

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|------------------------|---------------------------------------|---------------|
| Faculty (Names) | Coordinator(s) | Kavita Pandey |
| | Teacher(s) (Alphabetically) | Kavita Pandey |

| COURSE OUTCOMES | | COGNITIVE LEVELS |
|-----------------|--|----------------------|
| C212.1 | Summarize the literature around a significant research problem in the field of Computer Science | Understand (level 2) |
| C212.2 | Analyze the research articles from a deeper perspective and examine the research gaps | Analyze (level 4) |
| C212.3 | Improve the communication and writing skills by compiling the findings in the form of report and seminar | Evaluate (level 6) |

| Module No. | Title of the Module | Topics in the Module | No. of Lectures for the module |
|------------|---------------------|----------------------|--------------------------------|
| 1. | ... | ... | ... |
| 2. | ... | ... | ... |
| 3. | ... | ... | ... |
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| 5. | ... | ... | ... |
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| <i>n.</i> | ... | ... | ... |
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| Evaluation Criteria | |
|----------------------------------|---------------|
| Components | Maximum Marks |
| Day to day work prior to Midterm | 20 |
| Mid term Seminar and Report | 20 |
| Day to day work after Midterm | 20 |
| End term Seminar | 20 |
| Term Paper | 20 |
| Total | 100 |

Recommended Reading material: Author(s), Title, Edition, Publisher, Year of Publication etc. (Text books,

| | |
|---|-----|
| Reference Books, Journals, Reports, Websites etc. in the IEEE format) | |
| 1. | ... |
| 2. | ... |
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| m. | ... |

Detailed Syllabus
Lab-wise Breakup

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|--------------------|--------------------|--|--|
| Course Code | 17M17CS214 | Semester Odd (specify Odd/Even) | Semester 3rd / 10th Session 2018 - 2019 |
| Course Name | Industrial Project | | |
| Credits | 4 | Contact Hours | 8 |

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| Faculty (Names) | Coordinator(s) | Dr. Sangeeta Mittal |
| | Teacher(s) (Alphabetically) | Dr. Sangeeta Mittal |

| COURSE OUTCOMES | | COGNITIVE LEVELS |
|------------------------|--|-------------------------|
| C214.1 | Analyse open problems in chosen industry to formulate project statement | Analyse (Level-3) |
| C214.2 | Apply acquired Computer Science concepts and tools to solve the business-related problem | Apply (Level-3) |
| C214.3 | Evaluate proposed solution with respect to alternatives to establish its efficacy | Evaluate(Level-5) |
| C214.4 | Create oral and written account of the work done and its results and conclusions | Create (Level-6) |

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Lab-wise Breakup

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|--------------------|--------------|---|---|--|
| Course Code | 17M17CS213 | Semester Odd (specify Odd/Even) | Semester 3 rd /10 th 2019 | Session 2018 - Month from July-Dec |
| Course Name | Dissertation | | | |
| Credits | 4 | Contact Hours | 8 | |

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|------------------------|------------------------------------|---------------------|
| Faculty (Names) | Coordinator(s) | Dr. Sangeeta Mittal |
| | Teacher(s) (Alphabetically) | Dr. Sangeeta Mittal |

| COURSE OUTCOMES | | COGNITIVE LEVELS |
|------------------------|--|----------------------------|
| C213.1 | Summarize, Compare, and interpret relevant scholarly literature relating to the field of computer science | Understand Level (Level-2) |
| C213.2 | Analyze chosen literature to identify a research problem, its requirements and metrics | Analyze Level (Level-4) |
| C213.3 | Develop substantial software development skills and apply them to construct computing-based solution to the identified problem | Apply Level (Level-3) |
| C213.4 | Interpret and critically evaluate results to establish appropriateness of solutions | Evaluate Level (Level-5) |
| C213.5 | Create written discourse for presentation of work done in a scientific manner | Create Level (Level-6) |