JYOTI NIVAS COLLEGE AUTONOMOUS
SYLLABUS FOR 2018 BATCH AND THEREAFTER

Programme: B.C.A   **Semester: VI**

PROJECT WORK

Course Code: 14BCAVIP3   **No. of Hours: 180**

COURSE OBJECTIVES:

- Application of the System Development Life Cycle.
- Exposure to different methods of software development.

LEARNING OUTCOMES:

- Learning new technology through doing.
- Exposure and Interaction to Industry standards and procedures.

Phase I - Recap of software development life cycle
- One day workshop.
- Formation of project groups
- One hour session for instructions to Software requirement analysis.

Phase II - Identification of Problem requirements
- Literature Survey
- Tools survey
- The output of this phase will be the problem definition document
- Problem definition should contain
- ✓ Sources of information
- ✓ How the study was conducted
- ✓ Domain theory – Related to the problem
- ✓ Limitations of existing system
- ✓ A brief introduction to proposed system features

Phase III - Requirement document (Analysis in depth)
- Performance goal/scope
- Block diagram of the system
- Flowchart/DFD/Context diagram/ER diagram
- Possible approaches in implementation
- ✓ Tools
- ✓ Technology
- ✓ Design Methodology
- User interface (Prototype), Rough implementation
- Software and Hardware requirements

Presentations in groups under the supervision of an expert.

Phase IV - Detail design document
- UI design to be completed
- Database design
- Component design (Business Logic)

Document for testing
- Test Plan
- Test cases

Phase V - Source code
- Coding Standard guidelines
- Submission of draft documentation except screens & reports

Phase VI - Testing
- Testing the system as a whole after integrating the modules
- Submission of test reports

Phase VII - Evaluation
- Problems faced
- Limitations
- Enhancements
- Evaluation by the staff

Phase VIII - Final Project report submission after correction

Important Note

Frequency of interaction between the guide and the groups should be twice in a week.

Each group has to submit a summary of the work done twice a week and the guide will keep that for future reference.