

# Syllabus Structure

## Final Year – Department of Information Technology

### Academic Year 2017-18

#### SEMESTER – VII

Course Code	Course Title	Lectures (L)	Tutorials (T)	Practical (P)	Credits	
					Th	Pr
IT401	Cryptography and Network Security	03	--	--	03	--
IT403	Mobile & Wireless Communication	03	--	02	03	01
IT405	Data Mining	03	--	02	03	01
IT407	Elective – IV	03	01		04	
IT409	Elective – V	03	01		04	
IT411	Computer Laboratory-V (Recent Advance Technologies)	--	--	02	--	01
		<b>15</b>	<b>02</b>	<b>10</b>	<b>17</b>	<b>07</b>

#### Elective – IV

- IT407-A: Cloud Computing
- IT407-B: Advance Computer Network
- IT407-C: Software Project Management
- IT407-D: Human Computer Interaction

#### Elective – V

- IT409-A: E-Commerce
- IT409-B: Advanced Computer Architecture
- IT409-C: Optimization Techniques

#### SEMESTER -VIII

Course Code	Course Title	Lectures (L)	Tutorials (T)	Practical (P)	Credits	
					Th	Pr
IT402	Elective – VI	03	--	02	03	01
IT406	Big Data Analytics with Hadoop and R	03	--	02	03	01
IT408	Project *	--	--	16	--	08/16
	Total	<b>06</b>	<b>--</b>	<b>10</b>	<b>06</b>	<b>10/16</b>

#### Elective – VI

- IT402-A: Artificial Intelligence and Robotics
- IT402-B: Machine learning
- IT402-C: Distributed Computing Systems
- IT402-D: Pattern Recognition

\* Students can do Project in industry for one complete semester. It will be considered equivalent for the credits earned by students doing in-house project. The industry in which student/s intend to do the project will be approved by the DFB. The evaluation will be done by the Industry personnel and the DFB. The students doing project in industry need not appear for any subject during that semester.

**Head, Dept. of IT**