FACULTY OF ENGINEERING AND TECHNOLOGY
First Year Bachelor of Technology
In Effect from Academic Year 2018-19

Subject Code: 1ET1000116	**Subject Title: Workshop** (EC/Computer/IT/Electrical/ICT)
Pre-requisite :	**None**

Course Objective:
Practice makes a man perfect. Workshop practice is the significant component in engineering education. By offering branch specific workshop, we aim to develop and enhance relevant technical hand skills required by engineering under graduate students. This course intends to impart basic know-how of various tools/equipments/instruments and their usage in different sections of engineering. Workshop curricula build the hands on experiences which would help to learn various courses in successive semesters.

Teaching Scheme (Hours per week)				Evaluation Scheme (Marks)				
				Theory		Practical		
Lecture	Tutorial	Practical	Credit	University Assessment	Continuous Assessment	University Assessment	Continuous Assessment	Total
-	-	2	1	-	-	-	20	20

Subject Contents			
Sr. No	**Topic**	**Total Hours**	**Weight (%)**
Section – A			
1	Understanding Computer Components & Peripherals along with their installations	3	8
2	Understanding networking devices and peripherals	3	8
3	Understanding Internet, Email and Social media	3	9
4	Understanding office automation tools	3	9
Section B			
5	Introduction to basic electronic components	3	8
6	Introduction to CAD tools	3	8
7	Soldering practice	3	8
8	Case study: Small working model	3	9
Section C			
9	Measurements of various electrical quantities	3	8
10	Introduction to circuit simulation tools	3	8
11	Wiring of Switch, MCB & ELCB for a given load circuit	3	8
12	Wiring of fan, tube light & two-way control (staircase wiring)	3	9

Course Outcome:
After successful completion of the course, student will be able to

- Recognize and comprehendsignificance of various computer, electrical and electronics components
- Understand basic construction and operation of various laboratory equipments
- Perform maintenance and troubleshooting on various equipments/instruments/components

List of Experiments:

- Various experimentations/hands-on sessions, are to be carried out in consistency with the course contents mentioned above.