



**TENTATIVE TEACHING PLAN**

Subject Teacher: **Dr. Attiya Baqai**

Subject: **Microcontroller and Applications**

Batch: **15TL**

Year: **2<sup>nd</sup>**

Semester: **4<sup>th</sup>**

Term Starting Date: **11-07-2016**

Term Suspension Date: **10-10-2016**

<b>S.No.</b>	<b>Topics</b>	<b>C.H.</b>
01	Introduction to Subject	01
02	CPU Architecture and Computer Organization	01
03	Introduction and pins diagram of Microprocessor	01
04	Microprocessor Based System Design	01
05	Microprocessor vs Microcontroller	01
06	Microcontroller Comparison: 8051, PIC, AVR	01
07	AVR Microcontroller Architecture and Applications	03
08	Minimum Component Design	01
09	AVR Microcontroller Features	01
10	Introduction and working of Serial Communication	02
08	Introduction and working of SPI Protocol	02
09	Introduction and working of I2C or TWI Protocol	02
12	Programming Fundamentals	03
13	Programming ADC Ports	02
14	Programming Serial Port	02
15	Programming Interrupts	02
16	Programming SPI Port	03
17	Programming I2C Port	03
18	Microcontroller Interfacing	02
19	Revision of Signal Conditioning	01
20	Microcontroller Interfacing techniques	02
21	System Design Techniques	02
22	Microcontroller Application # 01	01
23	Microcontroller Application # 02	01
24	Microcontroller Application # 03	01
	<b>Total</b>	<b>42</b>

Signature of Teacher:

Dated: \_\_\_\_\_

Remarks of DMRC:

Signature of Chair-person:

Dated: \_\_\_\_\_