

**VISVESVARAYA TECHNOLOGICAL UNIVERSITY, BELAGAVI**  
**CHOICE BASED CREDIT SYSTEM (CBCS)**  
**SCHEME OF TEACHING AND EXAMINATION 2015-2016**

**B.E. Electronics and Instrumentation Engineering**

**III SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT31	Engineering Mathematics-III	Mathematics	04	-	03	80	20	100	4
2	15EI32	Electronic Instrumentation and Measurements	EI	04	-	03	80	20	100	4
3	15EI33	Analog Electronic Circuits	EI	04	-	03	80	20	100	4
4	15EI34	Digital Design and HDL	EI	04	-	03	80	20	100	4
5	15EI35	Transducers and Instrumentation	EI	04	-	03	80	20	100	4
6	15EI36	Network Analysis *	EI	04	-	03	80	20	100	4
7	15EIL37	Analog Electronic Circuits Lab	EI	-	1I+2P	03	80	20	100	2
8	15EIL38	Digital Design and HDL Lab	EI	-	1I+2P	03	80	20	100	2
<b>TOTAL</b>				<b>24</b>	<b>6</b>	<b>24</b>	<b>640</b>	<b>160</b>	<b>800</b>	<b>28</b>

**1. Core Subject:** This is the course which is compulsorily need to be studied by the student as a core requirement to complete the requirement of a programme in a said discipline of study.

**2. FoundationCourse\* :** The courses based upon the content that leads to Knowledge enhancement.

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**IV SEMESTER**

Sl. No	Subject Code	Title	Teaching Dept.	Teaching Hours /Week		Examination				Credits
				Theory	Practical/ Drawing	Duration	Theory/ Practical Marks	I.A. Marks	Total Marks	
1	15MAT41	Engineering Mathematics-IV	Mathematics	04	-	03	80	20	100	4
2	15EI42	Signal Conditioning and Data Acquisition Circuits	EI	04	-	03	80	20	100	4
3	15EI43	Embedded Controllers	EI	04	-	03	80	20	100	4
4	15EI44	Control Systems	EI	04	-	03	80	20	100	4
5	15EI45	Process Instrumentation	EI	04	-	03	80	20	100	4
6	15EI46	Scientific and Analytical Instrumentation *	EI	04	-	03	80	20	100	4
7	15EIL47	Embedded Controllers Lab	EI	-	1I+2P	03	80	20	100	2
8	15EIL48	Instrumentation and Measurements Lab	EI	-	1I+2P	03	80	20	100	2
<b>TOTAL</b>				<b>24</b>	<b>06</b>	<b>24</b>	<b>640</b>	<b>160</b>	<b>800</b>	<b>28</b>

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