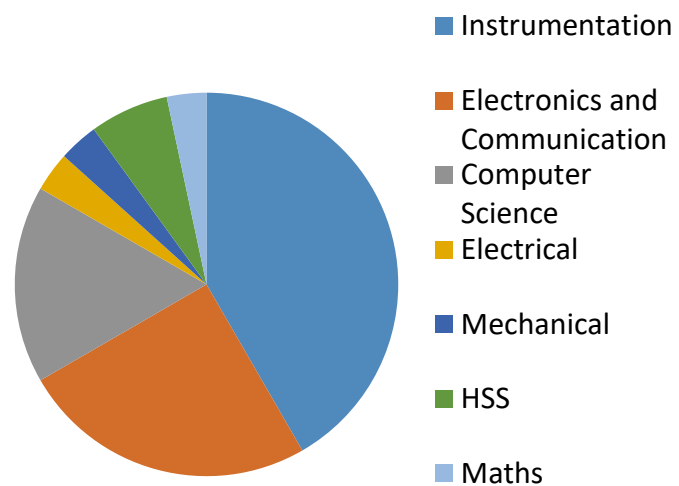


**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING  
BASAVESHWAR ENGINEERING (AUTONOMOUS) COLLEGE, BAGALKOT**

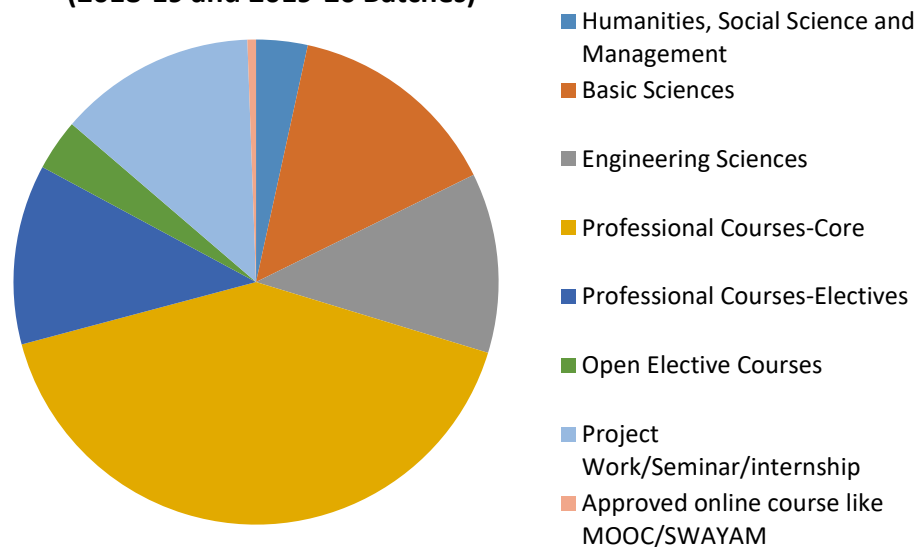
***Stream-wise Breakdown of B.E (E&IE) Curriculum  
(2020-21 Admitted to First Year and 2021-22 Lateral Admitted (Diploma) Batches)***

<b>Stream</b>	<b>Number of subjects</b>
Instrumentation	25
Electronics and Communication	15
Computer Science	10
Electrical	02
Mechanical	02
HSS	04
Mathematics	02



Course Category	Category wise breakdown of B.E (E&IE) Program No. of credits
Humanities, Social Science and Management	10
Basic Sciences	25
Engineering Sciences	20
Professional Courses-Core	68
Professional Courses-Electives	20
Open Elective Courses	09
Project Work/Seminar/Internship	20
Approved online course like MOOC/SWAYAM, etc.	03
<b>TOTAL</b>	<b>175</b>

**Categorywise Breakdown of B.E. (E&IE)**  
(2018-19 and 2019-20 Batches)



**2020-21 Batch**

**SCHEME OF TEACHING AND EXAMINATION  
B.E. (I SEMESTER) ELECTRONICS AND INSTRUMENTATION ENGINEERING**

SL. NO.	SUBJECT CODE	SUBJECT	CREDITS	HOURS/WEEK			EXAMINATION MARKS		
				L	T	P	CIE	SEE	Total
1	UMA161C	Engineering Mathematics -I	4.0	3	2	-	50	50	100
2	UPH162C	Engineering Physics	4.0	3	2	-	50	50	100
3	UEE164C	Basic Electrical Engineering	3.0	2	2	-	50	50	100
4	UCS165C	Programming with C	3.0	3	-	-	50	50	100
5	UEC169C	Basic Electronics	3.0	2	2	-	50	50	100
6	UHS126M	Constitution of India*	-	2	-	-	50	50	100
7	UPH166L	Engineering Physics Laboratory	1.5	-	-	3	50	50	100
8	UCS167L	C Programming Laboratory	1.5	-	-	3	50	50	100
<b>Total</b>			<b>20</b>	<b>15</b>	<b>8</b>	<b>6</b>	<b>400</b>	<b>400</b>	<b>800</b>

\*Mandatory course, PP/NP is awarded

**2020-21 Batch**

**SCHEME OF TEACHING AND EXAMINATION**  
**B.E. (II SEMESTER) ELECTRONICS AND INSTRUMENTATION ENGINEERING**

SL. NO.	SUBJECT CODE	SUBJECT	CREDIT S	HOURS/WEEK			EXAMINATION MARKS		
				L	T	P	CIE	SEE	Total
1	UMA261C	Engineering Mathematics -II	4.0	3	2	-	50	50	100
2	UME263C	Elements of Mechanical Engineering	3.0	2	2	-	50	50	100
3	UCH268C	Engineering Chemistry	4.0	3	2	-	50	50	100
4	UCV270C	Engineering Mechanics	3.0	2	2	-	50	50	100
5	UBT233M	Environmental Studies*	-	2	-	-	50	50	100
6	UCH272L	Engineering Chemistry Laboratory	1.5	-	-	3	50	50	100
7	UME275L	Computer Aided Engineering Graphics	2.5	1	-	3	50	50	100
8	UBE176L	Basic Engineering Laboratory	2.0	-	-	4	100	-	100
<b>Total</b>			<b>20</b>	<b>14</b>	<b>08</b>	<b>10</b>	<b>500</b>	<b>400</b>	<b>900</b>

\*Mandatory course, PP/NP is awarded

**2020-21 Batch**

**SCHEME OF TEACHING AND EXAMINATION  
B.E. (III SEMESTER) ELECTRONICS AND INSTRUMENTATION ENGINEERING**

Sl. No	Subject Code	Subject	Credits	Hours / Week			Examination Marks		
				L	T	P	CIE	SEE	Total
1	UMA391C	Numerical Techniques and Integral Transforms	03	3	0	0	50	50	100
2	UEI341C	Electronic Circuit Analysis and Design	04	4	0	0	50	50	100
3	UEI342C	Digital Design and VHDL	04	3	2	0	50	50	100
4	UEI343C	Electrical Sensors and Transducers	04	4	0	0	50	50	100
5	UEI344C	Electrical Circuit Analysis	04	3	2	0	50	50	100
6	UEI345L	Analog Circuits Laboratory	1.5	0	0	3	50	50	100
7	UEI346L	Digital Circuits Laboratory	1.5	0	0	3	50	50	100
8	<i>UBT133M</i>	<i>Environmental Studies*</i>	-	2	0	0	50	50	100
9	<i>UMA330M</i>	<i>Bridge Course Mathematics-I*</i>	-	3	0	0	50	50	100
<b>Total</b>			<b>22</b>	<b>17/ 22*</b>	<b>04</b>	<b>06</b>	<b>350/ 450*</b>	<b>350/ 450*</b>	<b>700/ 900*</b>

\* For lateral admitted diploma holders admitted to second year B.E. Mandatory course, PP/NP is awarded.

**Note:** Students need to register and earn **three** credit from approved online course (NPTEL/MOOC or equivalent) before the completion of B.E. program.

**SCHEME OF TEACHING AND EXAMINATION**  
**B.E. (IV SEMESTER) ELECTRONICS AND INSTRUMENTATION ENGINEERING**

**2020-21 Batch**

Sl. No	Subject Code	Subject	Credits	Hours / Week			Examination Marks		
				L	T	P	CIE	SEE	Total
1	UMA491C	Statistics and Probability Distributions	03	3	0	0	50	50	100
2	UEI441H	Entrepreneurship Development	03	3	0	0	50	50	100
3	UEI442C	Signals and Systems	04	3	2	0	50	50	100
4	UEI443C	Linear ICs and Data Converters	04	4	0	0	50	50	100
5	UEI444C	Measurement Techniques and Instruments	03	3	0	0	50	50	100
6	UHS001N	Fundamentals of Quantitative Aptitude and Soft Skills	01	2	0	0	50	50	100
7	UEI445L	Linear ICs and Data Converters Laboratory	1.5	0	0	3	50	50	100
8	UEI446L	Process Instrumentation and Measurement Laboratory	1.5	0	0	3	50	50	100
9	UHS488C	Samskruthika Kannada <sup>\$</sup>	01	2	0	0	50	50	100
	OR								
	UHS489C	Balake Kannada <sup>\$\$</sup>							
10	UHS226M	Constitution of India*	-	2	0	0	50	50	100
11	UMA430M	Bridge Course Mathematics-II*	-	3	0	0	50	50	100
<b>Total</b>			<b>22</b>	<b>20/</b>	<b>02</b>	<b>06</b>	<b>450/</b>	<b>450/</b>	<b>900/</b>
				<b>25*</b>			<b>550*</b>	<b>550*</b>	<b>1100*</b>

\* For lateral admitted diploma holders admitted to second year B.E. Mandatory course, PP/NP is awarded.

\$ For all students who can speak, read and write Kannada

\$\$ For all Non-Kannada speaking, reading and writing students

**Note:** Students need to register and earn **three** credit from approved online course (NPTEL/MOOC or equivalent) before the completion of B.E. program.