



## University of Global Village (UGV)

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### Course Structure of B.Sc in Electrical & Electronic Engineering (EEE) (Regular Program)

1 <sup>st</sup> SEMESTER			
Sl. No.	Course Code	Course Title	Credits
1	EEE 001	Basis Electrical & Electronics	2
2	EEE 002	Basis Electrical & Electronics Lab	1
3	ED 101	Engineering Drawing	1
4	EEE 101	Electrical Circuits-I	3
5	EEE 102	Electrical Circuits-I Lab	1
6	MAT 101	Mathematics-I	3
7	ENG 902	Basic English	3
8	PHY 101	Physics-I	3
9	PHY 102	Physics-I Lab	1
10	BDS-907	Bangladesh Studies	2
11	SAP-101	Students Attachment and Project-I	1
<b>Total</b>			<b>21</b>

2 <sup>nd</sup> SEMESTER			
Sl. No.	Course Code	Course Title	Credits
1	EEE 103	Electrical Circuits-II	3
2	EEE 104	Electrical Circuits-II Lab	1
3	CHE 101	Chemistry	3
4	CHE 102	Chemistry Lab	1
5	MAT 103	Mathematics-II	3
6	ENG 102	Composition & Communication Skills	3
7	PHY 103	Physics-II	3
8	PHY 104	Physics-II Lab	1
9	HUM 107	History of the emergence of independent Bangladesh	2
10	SAP-102	Students Attachment and Project-II	1
<b>Total=</b>			<b>21</b>

<b>3<sup>rd</sup> SEMESTER</b>			
Sl. No.	Course Code	Course Title	Credits
1	ETE 201	Electronics-I	3
2	ETE 202	Electronics -I Lab	1
3	CSE 101	Basic C & Data Structure	3
4	CSE 102	Basic C & Data Structure Lab	1
5	ME 203	Workshop practice	1
6	MAT 105	Mathematics-III	3
7	MGT 401	Industrial Management	2
8	PHI 301	Values & Ethics in profession	2
9	SOC 301	Sociology	2
10	SAP-201	Students Attachment and Project-III	1
<b>Total</b>			<b>19</b>

<b>4<sup>th</sup> SEMESTER</b>			
Sl. No.	Course Code	Course Title	Credits
1	EEE 207	Digital Electronics	3
2	EEE 208	Digital Electronics Lab	1
3	CSE 201	Computer Fundamentals	3
4	CSE 202	Computer Fundamentals Lab	1
5	EEE 203	Electronics-II	3
6	EEE 204	Electronics-II Lab	1
7	ME 201	Mechanical Engineering Fundamentals	3
8	ME 202	Mechanical Engineering Fundamentals Lab	1
9	MAT 201	Mathematics-IV	3
10	SAP-202	Students Attachment and Project-IV	1
<b>Total</b>			<b>20</b>

<b>5<sup>th</sup> SEMESTER</b>			
Sl. No.	Course Code	Course Title	Credits
1	EEE 301	Signals and Systems	3
2	EEE 303	Electromagnetic Fields and Waves	3
3	EEE 304	Electromagnetic Fields and Waves	1
4	EEE 305	Communication Theory	3
5	EEE 306	Communication Theory Lab	1
6	EEE 205	Electrical Machine-I	3
7	EEE 206	Electrical Machine Lab - I	1
8	EEE 307	Digital Signal Processing	3
9	EEE 308	Digital Signal Processing Lab	1
10	MAT 203	Mathematics-V	3
11	SAP-301	Students Attachment and Project-V	1
<b>Total</b>			<b>23</b>

<b>6<sup>th</sup> SEMESTER</b>			
Sl. No.	Course Code	Course Title	Credits
1	EEE 309	Control Systems	3
2	EEE 310	Control Systems Lab	1
3	EEE 209	Electrical Machine-II	3
4	EEE 210	Electrical Machine Lab - II	1
5	EEE 311	Semiconductor Devices	3
6	EEE 312	Semiconductor Devices Lab	1
7	EEE 319	Power Electronics	3
8	EEE 320	Power Electronics Lab	1
9	EEE 321	RF & Microwave Engineering	3
10	ACT 201	Financial Management & Accounting	2
11	SAP-302	Students Attachment and Project-VI	1
<b>Total</b>			<b>22</b>

<b>7<sup>th</sup> SEMESTER</b>			
Sl. No.	Course Code	Course Title	Credits
1	EEE 401	VLSI Design	3
2	EEE 402	VLSI Design Lab	1
3	EEE ***	Technical Elective	3
4	EEE ***	Technical Elective	3
5	EEE ***	Technical Elective	3
6	EEE ***	Technical Elective	3
	EEE ***	Technical Elective	3
7	EEE 400	Project and Thesis	3
8	SAP-401	Students Attachment and Project-VII	1
<b>Total</b>			<b>23</b>

<b>8<sup>th</sup> SEMESTER</b>			
Sl. No.	Course Code	Course Title	Credits
1	EEE***	Power System-I (Transmission & Distribution)	3
2	EEE ***	Technical Elective	3
3	EEE ***	Technical Elective	3
4	EEE ***	Technical Elective	3
5	EEE ***	Technical Elective	3
6	EEE 500	Project and Thesis	4
7	EEE 501	Comprehensive Viva-Voce	2
8	SAP-402	Students Attachment and Project-VIII	1
<b>Total</b>			<b>22</b>

**Total Credits for Four Semester = 171 Credits**