

**Bangabandhu Sheikh Mujibur Rahman Science & Technology University, Gopalganj**

Department : Electronics and Telecommunication Engineering  
 Student ID : 20150102022  
 Student Name : Sandipa Biswas  
 Registration Session : 2015-2016  
 Degree Conferred : B.Sc. Engg.  
 Degree Conferred on : 04/02/2020



GRADING SYSTEM		
Percentage of Marks	LG	GP
80% and Above	A+	4
75% to less than 80%	A	3.75
70% to less than 75%	A-	3.5
65% to less than 70%	B+	3.25
60% to less than 65%	B	3
55% to less than 60%	B-	2.75
50% to less than 55%	C+	2.5
45% to less than 50%	C	2.25
40% to less than 45%	D	2
Less than 40%	F	0
Incomplete	I	0

**TRANSCRIPT OF ACADEMIC RECORDS**

First Year First Semester			
Course Code	Course Title	Credit	Letter Grade
ETE100	Applied Electricity, Magnetism and Network Theorem	3	B+
ETE102	Heat Engineering	3	C
ENG104	Technical English	2	A-
MAT104	Algebra, Trigonometry and Vector Analysis	3	C+
ENG105	English Laboratory	1	A+
ETE109	Viva voce	1	B
PHY114	Applied Mechanics and Optics	3	C
ETE115	Laboratory (Experiments on the courses ETE100, ETE102 and PHY114)	3	A+
<b>Total Credit : 19.0</b>		<b>GPA: 2.987</b>	

First Year Second Semester			
Course Code	Course Title	Credit	Letter Grade
CE152	Engineering Drawing	1	B+
ETE150	Basic Electronics	3	B
ETE151	Laboratory (Experiments on the course ETE150)	2	A-
AEC154	Physical and Inorganic Chemistry	3	B+
ECO154	Engineering Economics	2	A-
STA156	Statistics	2	C+
MAT156	Differential and Integral Calculus	3	D
ETE159	Viva voce	1	A+
PHY166	Quantum Mechanics, Atomic and Nuclear Physics	3	B-
PHY167	Laboratory (Experiments on the course PHY166)	1	B
<b>Total Credit : 21</b>		<b>GPA : 2.964</b>	
<b>YGPA : 2.975</b>		<b>CGPA : 2.975</b>	

Second Year First Semester			
Course Code	Course Title	Credit	Letter Grade
ETE200	Electronic Devices and Circuits	4	A
ETE202	Operating System and Programming with C and C++	4	B+
MAT206	Matrices and Differential Equations	3	B+
AIS208	Industrial Management and Accountancy	2	B-
ETE209	Viva voce	1	A+
ETE210	Electrical Machine Systems and Filter	3	B
ETE211	Laboratory (Experiments on the courses ETE200, ETE202, ETE210)	3	A-
<b>Total Credit : 20.0</b>		<b>GPA: 3.338</b>	

Second Year Second Semester			
Course Code	Course Title	Credit	Letter Grade
ETE251	Digital Electronics	3	A+
ETE252	Sessional Based on ETE251	1.5	A+
ETE253	Pulse & Switching Circuit	3	A-
ETE254	Sessional Based on ETE253	0.75	A+
ETE255	Signals and Systems	3	B
ETE256	Sessional Based on ETE255	0.75	A+
CSE257	Object Oriented Programming in C++ & Java	3	B+
CSE258	Sessional Based on CSE257	1.5	B-
LAW259	Law and Professional Ethics	2	A-
ETE260	Viva-voce	0.75	A
<b>Total Credit : 19.25</b>		<b>GPA : 3.490</b>	
<b>YGPA : 3.412</b>		<b>CGPA : 3.192</b>	

Third Year First Semester			
Course Code	Course Title	Credit	Letter Grade
ETE300	Electronic Circuit Design and Simulation Lab	0.75	A
ETE301	Industrial Electronics	3	B+
ETE302	Sessional Based on ETE301	0.75	A+
ETE303	Electromagnetic Fields and Waves	3	B
ETE305	Communication Theory	3	A+
ETE306	Sessional Based on ETE305	0.75	A+
ETE307	Optical Fiber Communication	3	A+
ETE309	Digital Communication	3	B+
ETE310	Sessional Based on ETE309	0.75	A+
ETE311	Numerical Analysis for Engineering	3	A-
ETE312	Sessional Based on ETE311	0.75	A
ETE314	Viva voce	0.75	A
<b>Total Credit : 22.5</b>		<b>GPA: 3.575</b>	

Third Year Second Semester			
Course Code	Course Title	Credit	Letter Grade
ETE350	Electronic Project Design and Development	0.75	A+
ETE351	Microwave Communication	3	A-
ETE352	Sessional Based on ETE351	0.75	A+
ETE353	Telecommunication Engineering	3	B+
ETE354	Sessional Based on ETE353	0.75	A+
ETE355	Digital Signal Processing	3	B+
ETE356	Sessional Based on ETE355	0.75	A+
ETE357	Microprocessor, Microcontroller and Interfacing	3	A
ETE358	Sessional Based on ETE357	0.75	A+
ETE359	IC Fabrication Technology	3	B+
ETE360	Viva voce	0.75	A
<b>Total Credit : 19.5</b>		<b>GPA : 3.529</b>	
<b>YGPA : 3.554</b>		<b>CGPA : 3.317</b>	

Fourth Year First Semester			
Course Code	Course Title	Credit	Letter Grade
ETE400	Industrial Attachment	1	A+
ETE401	Antenna and Propagation	3	A+
ETE402	Sessional Based on ETE401	0.75	A+
ETE403	Computer Network and Data Communication	3	A+
ETE404	Sessional Based on ETE403	0.75	A+
ETE405	Radio and TV Engineering	3	A+
ETE406	Sessional Based on ETE405	0.75	A-
ETE407	VLSI Design	3	A+
ETE408	Sessional Based on ETE407	0.75	A+
ETE410	Viva voce	0.75	A-
ETE423	Neural and Fuzzy Systems in Communications	3	A+
<b>Total Credit : 19.75</b>		<b>GPA: 3.962</b>	

Fourth Year Second Semester			
Course Code	Course Title	Credit	Letter Grade
ETE450	Thesis and Project	3	A+
ETE451	Satellite and Radar Communication	3	A+
ETE452	Sessional Based on ETE451	0.75	A+
ETE453	Mobile Cellular Communication	3	A
ETE454	Sessional Based on ETE453	0.75	A+
ETE455	Control System	3	A+
ETE456	Sessional Based on ETE455	0.75	A+
ETE457	Measurement, Instrumentation and Sensors Applications	3	A-
ETE458	Viva voce	0.75	A
ETE469	Multimedia Communication	2	B
<b>Total Credit : 20.00</b>		<b>GPA : 3.778</b>	
<b>YGPA : 3.869</b>		<b>CGPA : 3.453</b>	

Total Credit : 161	Credit Earned : 161	CGPA : 3.45
Prepared By :	Checked By :	Controller of Examinations

# Bangabandhu Sheikh Mujibur Rahman Science and Technology University

Gopalganj, Bangladesh



## Provisional Certificate

*Bachelor of ...Science in..Engineering...*

*This is to certify that*

*Sandipa Biswas*

*bearing student ID ....20150102022.... is awarded the  
degree of ....B.Sc. Engg....ETE.... in ...2019. from the  
Department of ....Electronics and Telecommunication Engineering*

*He/She obtained CGPA ...3.45... in the scale of 4.00*

*He's*  
Controller of Examinations  
Date. 24.03.2021.....

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Provisional certificate must be surrendered at the time of taking the original certificate.

Serial No. ETE- 00111926