

J.C.BOSE UNIVERSITY OF SCIENCE AND TECHNOLOGY, YMCA, FARIDABAD

DEPARTMENT OF ELECTRICAL ENGINEERING

LIST OF PROJECTS & MENTORS (B.TECH-IV SEM) AUGUST - 2022

S.No.	Student 1	Student 2	Project Name	Mentor Name
1	SAURABH SHARMA	20001007077	Dual axis solar tracker with rain sensor	Dr. Poonam Singhal
2	SUDARSHAN	20001007078	Dual axis solar tracker with rain sensor	
3	Nakshatra sharma	20001007036	Smart irrigation system	
4	Jivesh Kumar	20001007024	Smart irrigation system	
5	Rahul	20001007047	Atta Kneader Machine	
6	Ritik	20001007051	Atta Kneader Machine	
7	Gourav	20001007014	Smart dustbin	
8	Harsheet Dahiya	20001007019	Smart dustbin	Dr. P.R.Sharma
9	Somya Verma	20001007001	Health monitoring system	
10	Aarzoo rose	20001007055	Health monitoring system	
11	Imran Alam	20001007021	Automatic water level controller	
12	Vikash	20001007063	Automatic water level controller	
13	Aniket Tomer	20001007005	Home automation using bluetooth	
14	Harshit Sharma	20001007018	Home automation using bluetooth	
15	Neeru Rani	20001007038	Door lock using combination circuits	Dr. Rajesh Kumar Ahuja
16	Vaibhav Gupta	20001007061	Door lock using combination circuits	
17	Anjali	20001007006	Wireless Solar Electric Vehicle charging station	
18	Bhavya Pratap Singh	20001007011	Wireless Solar Electric Vehicle charging station	
19	Tamanna	20001007059	Speed control of brushless DC motor	
20	Akshita Choudhary	20001007003	Speed control of brushless DC motor	
21	Kartikay Dahiya	20001007025	Speed control of brushless DC motor	
22	GUNJAN	20001007016	Arduino talking Bot	Dr. Anju Gupta
23	VINITA SINGH	20001007064	Arduino talking Bot	
24	Kunal	20001007029	Variable power supply system	
25	Rahul Sharma	20001007048	Accurate Room Temperature Controller	
26	Aman Kumar Miglani	20001007004	Active solar tracking system	
27	Himanshi Soni	20001007071	Active solar tracking system	
28	Ishan sharma	20001007022	Water level indicator	Dr. Yogendra Arya
29	Khushboo soni	20001007026	Water level indicator	
30	Ayush Saini	20001007010	BLDC motor speed control with RPM display	
31	Rahul Sahani	20001007076	BLDC motor speed control with RPM display	
32	Akhil yadav	20001007002	Bluetooth controlled bulbs	
33	Monika	20001007032	Bluetooth controlled bulbs	
34	Disha Sharma	20001007070	Remote control LED	
35	Muskan verma	20001007035	Remote control LED	Dr. Sakshi Kalra
36	Pragya bharati	20001007075	Wireless notice board using bluetooth	
37	Rohit kamra	21001007507	Smart solar dustbin	
38	Chitransh khanna	20001007069	The third eye for the blind ultrasonic vibrator glove	
39	Shivam	20001007054	The third eye for the blind ultrasonic vibrator glove	
40	Rohan	20001007052	Fingerprint door lock system	Dr. Shakuntla
41	Samendra Tandon	20001007053	Fingerprint door lock system	
42	Nikhil	20001007040	Laser voice transmitter and receiver	
43	Pawan kumar	20001007042	Laser voice transmitter and receiver	
44	Sudhanshu	20001007058	Stun gun	Dr. Rashmi
45	Yatharth Verma	20001007067	Stun gun	
46	Nitin	20001007074	Arduino radar system	
47	Jiten Yadav	20001007023	Arduino radar system	
48	Mayank Bansal	20001007030	Automatic floor cleaning Robot	Dr. Anubha Gautam
49	Mukul Bansal	20001007033	Automatic floor cleaning Robot	
50	Niharika Kumari	20001007039	IOT based home automation	
51	Sourav	20001007056	Dual axis solar tracking system	
52	Kartik Tiwari	20001007072	Dual axis solar tracking system	
53	Ramandeep	21001007506	Speed control of DC motor using Arduino	Ms. Shipra Jain
54	Gaurav	20001007015	Speed control of DC motor using Arduino	
55	Radha	21001007505	RFID solenoid door lock	
56	Tushant	21001007508	RFID solenoid door lock	
57	Eitesh kumar	21001007502	Induction motor protection from phase and temperature	
58	Manish Kumar	21001007503	Induction motor protection from phase and temperature	Mr. Satvinder
59	Nikhil Mittal	21001007504	Smart lighting system on road	
60	Abhay Kumar Shukla	20001007068	Distance measurement device	
61	Ashish Yadav	20001007008	Distance measurement device	Ms. Rachna
62	Pragya Bhardwaj	20001007043	Digital phase changer	
63	Purva Vohra	20001007045	Digital phase changer	
64	Harshit choudhary	20001007017	Automatic Street Light Control System	
65	Pranav choudhary	20001007044	Automatic Street Light Control System	
66	Yashvi	20001007066	Servo distance indicator	Mr. Atmaram
67	Utkarsh Raj	20001007060	Servo distance indicator	
68	Rahul Singh	20001007049	DC adjustable voltage regulator	
69	Himanshu	20001007020	DC adjustable voltage regulator	


(Yogendra Arya)
 Project Coordinator

CERTIFICATE

This is to certify that the project entitled "Dual axis solar tracker with rain sensor" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Saurabh Sharma (20001007077)** and **Mr. Sudarshan (20001007078)** in partial fulfilment of the requirement for the fourth semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.

Project Supervisor

Dr. Poonam Singh
Professor

Department of Electrical Engineering
J C Bose UST, YMCA Faridabad

CERTIFICATE

This is to certify that the project entitled "**Smart Irrigation System**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Jivesh Yadav (20001007024)** and **Mr. Nakshatra Sharma (20001007036)** in partial fulfilment of the requirement for the fourth semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Dr. Poonam Singhal

Associate Professor
Department of Electrical Engineering
J C Bose UST, YMCA Faridabad

CERTIFICATE

This is to certify that the project entitled "Atta Kneader Machine" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Rahul & Ritik** in partial fulfilment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a Bonafede work carried out by him under my supervision and guidance.

Rahul - 20001007047

Ritik - 20001007051



Project Supervisor
Dr. Poonam Singhal
Department of Electrical Engineering
JCBoseUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**SMART DUSTBIN**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. HARSHJEET DAHIYA (20001007019)** and **Mr. GOURAV (20001007014)** in partial fulfilment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bona fide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Supervisor Name

Dr. P.R SHARMA

Assistant Professor

Department of Electrical Engineering

JCBOSEUST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "**Health Monitoring System**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Ms. Aarzoo Rose (20001007001)** and **Ms. Somya Verma (20001007055)** in partial fulfillment of the requirement for the 4thsemester degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Dr. P R Sharma

Dean

Department of Electrical Engineering

JC Bose UST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "**AUTOMATIC WATER LEVEL CONTROLLER**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **IMRAN ALAM(20001007021) & VIKASH(20001007063)** in partial fulfillment of the requirement for the **4TH** semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



~~Project Supervisor~~

Prof. P.R. SHARMA

Professor

Department of Electrical Engineering
JCBoseUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**HOME AUTOMATION USING BLUETOOTH**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Aniket Tomer(20001007005)** and **Harshit Sharma(20001007018)** in partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Dr. Rajesh Kumar Ahuja
Department of Electrical Engineering
J.C. Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**Door lock using Combination Circuits**" submitted to the Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Vaibhav Gupta and Ms. Neeru Rani** in partial fulfillment of the requirement for the fourth semester of the degree of **BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Dr. Rajesh Kr. Ahuja
Professor and Dean(R&D)
Department of Electrical Engineering
JCBoseUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**WIRELESS SOLAR ELECTRIC VEHICLE CHARGING STATION**" submitted to the Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Anjali(20001007006) & Bhavya Pratap Singh(20001007011)** in partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Dr. RAJESH KUMAR AHUJA
Professor & Dean (R &D)
Department of Electrical Engineering
J.C. Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**SPEED CONTROL OF BRUSHLESS DC MOTOR**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 to **Dr. Anju Gupta** in partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by **Akshita Choudhary, Kartikay Dahiya and Tamanna** under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Dr. Anju Gupta
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**ARDUINO TALKING BOT**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Miss. GUNJAN(20001007016) and Miss VINITA SINGH (20001007064)** in partial fulfillment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Dr. Anju Gupta
Chairperson
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**VARIABLE POWER SUPPLY SYSTEM**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **KUNAL (20001007029)** partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by him under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.

Project Supervisor



Dr. Anju Gupta

Chairman

Department of Electrical Engineering

JC Bose UST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled **Accurate room temperature controller** submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by RAHUL SHARMA in partial fulfilment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a Bonafede work carried out by him under my supervision and guidance.



Project Supervisor
Dr. Anju Gupta

Department of
Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**Active Solar Tracking System**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Ms. Himanshi Soni(20001007071)** and **Mr. Aman Kumar Miglani(20001007004)** in partial fulfillment of the requirement for the 4th semester degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Dr. Yogendra Arya

Asst. Professor

Department of Electrical Engineering

JC Bose UST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "Water level Indicator" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Ishan Sharma(20001007022)** and **Miss. Khushboo Soni(20001007026)** in partial fulfilment of the requirement for the fourth semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Dr. Yogendra Arya

Associate Professor
Department of Electrical Engineering
JCBoseUST, YMCA Faridabad

CERTIFICATE

This is to certify that the project entitled "**BLDC MOTOR SPEED CONTROL WITH RPM DISPLAY**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. AYUSH SAINI (20001007010)** and **Mr. RAHUL SAHANI (20001007076)** in partial fulfilment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Supervisor Name

Dr. Yogendra Arya

Assistant Professor

Department of Electrical Engineering

JCBOSEUST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "**Bluetooth Controlled Bulbs**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Akhil yadav(20001007002)** and **Ms. Monika(20001007032)** in partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Dr. Sakshi Kalra
Asst. Professor
Department of Electrical Engineering
JCBoseUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**REMOTE CONTROL LED**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by Miss. **MUSKAN** and Miss. **DISHA** in partial fulfillment of the requirement for the 4TH semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.

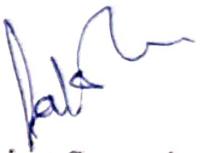


Project Supervisor
Dr. SAKSHI KALRA

Designation
Department of Electrical Engineering
JC BOSE UNIVERSITY, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "WIRELESS NOTICE BOARD USING BLUETOOTH" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Dr. Sakshi Kalra** in partial fulfillment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by him/her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Dr. Sakshi Kalra
Asst. Professor
Department of Electrical Engineering
JCBoseUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**SMART SOLAR DUSTBIN**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Dr. SAKSHI KALRA** in partial fulfillment of the requirement for the 4TH semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by him/her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Dr. Sakshi Kalra
Asst. Professor
Department of Electrical Engineering
JCBOSEUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**The third eye for bling ultrasonic vibrator glove**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Shivam(20001007054)** and **Mr. Chitransh khanna(20001007069)** in partial fulfilment of the requirement for the fourth semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


27/07/22
Project Supervisor

Dr.Shakuntla

Associate Professor
Department of Electrical Engineering
JCBoseUST, YMCA Faridabad

CERTIFICATE

This is to certify that the project entitled "**FINGERPRINT DOOR LOCK SYSTEM**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Dr.Shakuntla** in partial fulfillment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.

Shakuntla
17/08/22

Project Supervisor

Dr.Shakuntla

Assistant Professor

Department of Electrical Engineering

JCBoseUST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "**LASER VOICE TRANSMITTER AND RECIEVER**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **PAWAN KUMAR(20001007042) & NIKHIL KHANGWAL(20001007040)** in partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.

Shakuntla 13/08/22
Project Supervisor
Dr. Shakuntla

Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "STUN GUN" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. SUDHANSU (20001007058)** and **Mr. YATHARTH VERMA (20001007067)** in partial fulfillment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by him/her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Supervisor Name
Dr. RASHMI AGARWAL
Assistant professor
Department of Electrical Engineering
J.C. BoseUST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**ARDUINO RADAR SYSTEM**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. JITEN YADAV (200010023)** and **Mr. NITIN (20001007074)** in partial fulfilment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bona fide work carried out by him/her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Dr. Rashmi Aggarwal

Assistant Professor

Department of Electrical Engineering

JC BOSE UST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "**AUTOMATIC FLOOR CLEANING ROBOT**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **MAYANK BANSAL (20001007030)** and **MUKUL BANSAL (20001007033)** partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.

Project Supervisor



Dr. Anubha Gautam
Assistant Professor
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**IOT based home automation**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Ms. Niharika** in partial fulfillment of the requirement for the 4th semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by me under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Ms. Anubha Gautam
Assistant Professor
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

Dr. Anju Gupta
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled " Dual Axis Solar Tracking System " submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by Sourav (20001007056) and Kartik Tiwari (20001007072) in partial fulfilment of the requirement for the 4th semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Dr. Anubha Gautam
Assistant Professor
Department of Electrical Engineering
J.C.Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled " Speed Control Of DC Motor Using Arduino" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by Mr. Ramandeep (21001007506) and Mr. Gaurav (20001007015) in partial fulfilment of the requirement for the fourth semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

MRS. Shipra Aggarwal

Assistant Professor
Department of Electrical Engineering
J C Bose UST, YMCA Faridabad

CERTIFICATE

This is to certify that the project entitled “RFID Solenoid Door Lock” submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Miss. Radha & Mr. Tushant** in partial fulfillment of the requirement for the fourth semester of degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by him/her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Mrs. Shipra Jain

Designation

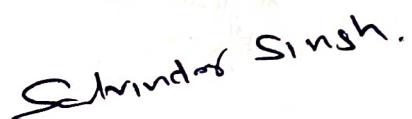
Department of Electrical Engineering

JCBoseUST, YMCA

Faridabad

CERTIFICATE

This is to certify that the project entitled "**Induction Motor Protection From Phase And Temperature**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Manish Kumar (21001007503)** and **Mr. Eitesh Kumar(21001007502)** in partial fulfilment of the requirement for the fourth semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Mr. Satvinder Singh

Assistant Professor
Department of Electrical Engineering
J C Bose UST, YMCA Faridabad

CERTIFICATE

This is to certify that the project entitled “Smart Lightning System On Road” submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Nikhil Mittal (21001007504)** in partial fulfillment of the requirement for the 4th semester degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by him under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Mr. Satvinder Singh
Asst. Professor
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**DISTANCE MEASUREMENT DEVICE**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Abhay Kumar Shukla (20001007068)** and **Mr. Ashish yadav (20001007066)** in partial fulfillment of the requirement for the 4th semester degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of my knowledge.


Project Supervisor
Ms. Rachna
Asst. Professor
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**DIGITAL PHASE CHANGER**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Ms. Pragya Bhardwaj (20001007043) & Ms. Purva Vohra (20001007045)** in partial fulfillment of the requirement for the 4th semester degree of BACHELOR OF TECHNOLOGY in ELECTRICAL ENGINEERING, is a bonafide work carried out by them under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of our knowledge.


Project Supervisor
Ms. Rachna Dhir
Asst. Professor
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**AUTOMATIC STREET LIGHT CONTROL SYSTEM**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Harshit choudhary and Mr. Pranav choudhary** in partial fulfillment of the requirement for the **4th** semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by him/her under my supervision and guidance. This project work comprises of original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor

Mr. Atma Ram

CERTIFICATE

This is to certify that the project entitled "**Servo Distance Indicator**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Mr. Utkarsh Raj (20001007060)** and **Mr. Yashvi (20001007066)** in partial fulfillment of the requirement for the 4th semester degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a bonafide work carried out by them under my supervision and guidance. This project work comprises original work and has not been submitted anywhere else for any other degree to the best of my knowledge.



Project Supervisor
Mr. Atma Ram
Asst. Professor
Department of Electrical Engineering
JC Bose UST, YMCA
Faridabad

CERTIFICATE

This is to certify that the project entitled "**DC Adjustable Voltage Regulator**" submitted to Department of Electrical Engineering, Faculty of Engineering and Technology, J.C. Bose University of Science and Technology, YMCA, Faridabad, Haryana-121006 by **Himanshu & Rahul** in partial fulfilment of the requirement for the 4rd semester of degree of **BACHELOR OF TECHNOLOGY** in **ELECTRICAL ENGINEERING**, is a Bonafide work carried out by him under my supervision and guidance.


Project Supervisor 17/08/21
Mr. Atma Ram Sir
Department of Electrical Engineering
JCBoseUST, YMCA
Faridabad