

## Department of Electrical Engineering

### 7th Semester Major Project List

Sr. No.	Student Name	University Roll Number	Project Title	Supervisor Name
1	Rahul Singhal	17001007048	Electric Car Controlled by Bluetooth using Arduino	Dr. P. R. Sharma
2	Aditya Dhar	18001007003	IoT Based Smart Intelligent Security System	Dr. Sakshi
3	Aditya Kashyap	18001007004	Next Gen Switches	Dr P.R. Sharma
4	Aditya Kumar	18001007005	Smart Energy Meter Over IoT	Dr. Rajesh Ahuja
5	Aditya	18001007006	Mini Tesla Coil	Dr. Anju Gupta
6	Aftab Akhtar	18001007007	Automatic phase selector	Dr. Rashmi Agarrwal
7	Aman	18001007008	Next Gen Switches	Dr P.R. Sharma
8	Ankit	18001007009	Mini Tesla Coil	Dr. Anju Gupta
9	Ankit Kumar	18001007010	Three Phase Fault Analysis With Auto Reset On <del>Temporary Fault And Permanent Trip Otherwise</del>	Dr. Yogendra Arya
10	Anuj Kumar	18001007011	Ware House Security System	Ms. Shipra Aggarwal
11	Ashutosh Mishra	18001007013	Home Automation using Arduino and HC05 Blurtooth <del>Module</del>	Dr. Shakuntla
12	Awanish Ranjan	18001007014	Ware House Security System	Ms. Shipra Aggarwal
13	Bhupender Kaushik	18001007015	GSM Based Load Estimation Smart Meter	Dr. Poonam Singhal
14	Chirag Goyal	18001007016	Solar Battery Charger with Inverter	Dr. Poonam Singhal
15	Deepak	18001007017	Minimizing Penalty In Industrial Power Consumption <del>By Engaging APFC Unit</del>	Ms. Anubha Gautam
16	Deepak Rathi	18001007018	Smart Energy Meter Over IoT	Dr. Rajesh Ahuja
17	Deepak Kumar	18001007019	Closed Loop Control of Brushless DC Motor using <del>Microcontroller</del>	Mr. Nitin Goel
18	Deepak Sharma	18001007020	Closed Loop Control of Brushless DC Motor using <del>Microcontroller</del>	Mr. Nitin Goel
19	Deepanshi Baswal	18001007021	Minimizing Penalty In Industrial Power Consumption <del>By Engaging APFC Unit</del>	Ms. Anubha Gautam
20	Deepanshu	18001007022	Minimizing Penalty In Industrial Power Consumption <del>By Engaging APFC Unit</del>	Ms. Anubha Gautam
21	Dev dagar	18001007023	Automatic phase selector	Dr. Rashmi Agarrwal
22	Garima Soni	18001007024	Joystick Controlled Industrial Automation System <del>Using Arduino</del>	Mr. Satvinder Singh
23	Hemant singh	18001007026	Solar Battery Charger with Inverter	Dr. Poonam Singhal
24	Harsh Ojha	18001007027	GSM Based Load Estimation Smart Meter	Dr. Poonam Singhal
25	Himanshu Attri	18001007029	GSM Based Load Estimation Smart Meter	Dr. Poonam Singhal
26	Ishan Yadav	18001007030	Solar Bag	Dr. Yogendra Arya
27	Jitender	18001007031	Face Mask Detection Using MI And Deep Learning.	Dr. Sakshi
28	Jitender	18001007032	Horizontal Single Axis Solar Tracking Using Arduino	Dr. Rashmi Agarrwal

Sr. No.	Student Name	University Roll Number	Project Title	Supervisor Name
29	Karanajit Singh Jubbal	18001007033	Smart Energy Meter Over IoT	Dr. Rajesh Ahuja
30	Lalit	18001007035	Solar Bag (Backpack)	Dr. Anju Gupta
31	Mahaveer	18001007036	Horizontal Single Axis Solar Tracking Using Arduino	Dr. Rashmi Agarrwal
32	Manish	18001007037	Solar Bag (Backpack)	Dr. Anju Gupta
33	Manish Tanwar	18001007038	Extrusion Type Portable 3D Printer	Mr. Atma Ram
34	Monika Yadav	18001007039	IOT Based Smart Agriculture Monitoring System	Mr. Satvinder Singh
35	Neha Bhadu	18001007040	IOT Patient Health Monitoring System	Mr. Satvinder Singh
36	Nishant	18001007041	Portable 3D Printer	Mr. Atma Ram
37	Nitin	18001007042	Automatic Solar Street Light Installation In Girl'S Hostel	Dr. Shakuntla
38	Parvinder Singh	18001007043	Automatic Solar Street Light Installation In Girl'S Hostel	Dr. Shakuntla
39	Rahul Kumar	18001007044	Underground Cable Fault Detection	Dr. Yogendra Arya
40	Rahul Singh	18001007045	Portable 3D Printer	Mr. Atma Ram
41	Rahul Yadav	18001007046	Portable 3D Printer	Mr. Atma Ram
42	Rajat Bansal	18001007047	Three Phase Transmission Line Fault Detection And Analysis	Ms. Anubha Gautam
43	Raman Singla	18001007048	Three Phase Fault Analysis With Auto Reset On <u>Temporary Fault And Permanent Trip Otherwise</u>	Dr. Yogendra Arya
44	Rekha	18001007049	Three Phase Transmission Line Fault Detection And Analysis	Ms. Anubha Gautam
45	Ritik Parashar	18001007050	Third Eye For The Blind-Ultrasonic Vibrator Glove	Ms. Rachna
46	Rohit Gautam	18001007051	IoT Based Smart Intelligent Security System	Dr. Sakshi
47	Rohit Ranjan	18001007052	Third Eye For The Blind-Ultrasonic Vibrator Glove	Ms. Rachna
48	Rohit Yadav	18001007053	Home Automation	Ms. Rachna
49	Shamit Pal	18001007054	Solar Battery Charger with Inverter	Dr. Poonam Singhal
50	Shivani Nigam	18001007055	Advanced Solar Tracking System	Ms. Shipra Aggarwal
51	Shubham Gurania	18001007056	Automatic Solar Street Light Installation In Girl'S Hostel	Dr. Shakuntla
52	Shweta Singh	18001007057	Advanced Solar Tracking System	Ms. Shipra Aggarwal
53	Sonu Vashisth	18001007059	Automatic Solar Street Light Installation In Girl'S Hostel	Dr. Shakuntla
54	Sumit	18001007060	Under and Over Voltage Protection	Dr. P. R. Sharma
55	Tamana Verma	18001007061	Smart Parking System	Ms. Bharti Thakur

Sr. No.	Student Name	University Roll Number	Project Title	Supervisor Name
56	Tarun	18001007063	Solar Powered 100 Watt Inverter	Mr. Atma Ram
57	Vishal Bhati	18001007064	Solar Powered 100 Watt Inverter	Mr. Atma Ram
58	Vivek	18001007065	Automatic Room Light Control with Visitor Counter using Arduino	Dr. Poonam Singhal
59	Bablu	19001007501	Domestic Electric Wiring Fault Detection (Late Submission)	Dr. Yogendra Arya
60	Manish Kumar	19001007502	Solar Power Inverter	Ms. Bharti Thakur
61	Mohit Gaur	19001007503	Automatic Room Light Control with Visitor Counter using Arduino	Dr. Poonam Singhal
62	Moksh Aggarwal	19001007504	IOT Patient Health Monitoring System	Mr. Satvinder Singh
63	Parteek	19001007505	Wireless Power Transfer System	Ms. Shipra Aggarwal
64	Swati	19001007507	Joystick Controlled Industrial Automation System Using Arduino	Mr. Satvinder Singh
65	Vikas Gupta	19001007508	Solar Battery Charger with Inverter	Dr. Poonam Singhal



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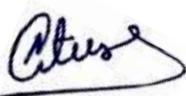
(Accredited 'A' Grade by NAAC)

## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rahul Singhal Roll No. 17001007048 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Electric Car Controlled by Bluetooth using Arduino" under the supervision of Dr. P. R. Sharma Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

  
Project Coordinator  
(Dr. Yogenra Arya)

  
Project Coordinator  
(Nitin Goel)

  
Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Aditya Dhar Roll No. 18001007003 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "IoT Based Smart Intelligent Security System" under the supervision of Dr. Sakshi Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Aditya Kashyap Roll No. 18001007004 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Next Gen Switches" under the supervision of Dr P.R. Sharma Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Aditya Kumar Roll No. 18001007005 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Smart Energy Meter Over IoT" under the supervision of Dr. Rajesh Ahuja Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Aditya Roll No. 18001007006 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Mini Tesla Coil" under the supervision of Dr. Anju Gupta Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Aftab Akhtar Roll No. 18001007007 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic phase selector" under the supervision of Dr. Rashmi Agarrwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Aman Roll No. 18001007008 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Next Gen Switches" under the supervision of Dr P.R. Sharma Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Ankit Roll No. 18001007009 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Mini Tesla Coil" under the supervision of Dr. Anju Gupta Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Ankit Kumar Roll No. 18001007010 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Three Phase Fault Analysis With Auto Reset On Temporary Fault And Permanent Trip Otherwise" under the supervision of Dr. Yogendra Arya Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, which appears to be 'Yogendra Arya'.

**Project Coordinator**  
(Dr. Yogendra Arya)

A handwritten signature in black ink, which appears to be 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, which appears to be 'Poonam Singh'.

**Chairperson (EL)**  
(Dr. Poonam Singh)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Anuj Kumar Roll No. 18001007011 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Ware House Security System" under the supervision of Ms. Shipra Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Ashutosh Mishra Roll No. 18001007013 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Home Automation using Arduino and HC05 Bluetooth Module" under the supervision of Dr. Shakuntla Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Awanish Ranjan Roll No. 18001007014 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Ware House Security System" under the supervision of Ms. Shipra Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Bhupender Kaushik Roll No. 18001007015 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "GSM Based Load Estimation Smart Meter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read 'Poonam Singhal'.

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Chirag Goyal Roll No. 18001007016 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Battery Charger with Inverter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Deepak Roll No. 18001007017 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Minimizing Penalty In Industrial Power Consumption By Engaging APFC Unit" under the supervision of Ms. Anubha Gautam Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Deepak Rathi Roll No. 18001007018 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Smart Energy Meter Over IoT" under the supervision of Dr. Rajesh Ahuja Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Deepak Kumar Roll No. 18001007019 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Closed Loop Control of Brushless DC Motor using Microcontroller" under the supervision of Mr. Nitin Goel Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Deepak Sharma Roll No. 18001007020 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Closed Loop Control of Brushless DC Motor using Microcontroller" under the supervision of Mr. Nitin Goel Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read 'Poonam Singh'.

**Chairperson (EL)**  
(Dr. Poonam Singh)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Deepanshi Baswal Roll No. 18001007021 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Minimizing Penalty In Industrial Power Consumption By Engaging APFC Unit" under the supervision of Ms. Anubha Gautam Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read 'Poonam Singh'.

**Chairperson (EL)**  
(Dr. Poonam Singh)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Deepanshu Roll No. 18001007022 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Minimizing Penalty In Industrial Power Consumption By Engaging APFC Unit" under the supervision of Ms. Anubha Gautam Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Dev dagar Roll No. 18001007023 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic phase selector" under the supervision of Dr. Rashmi Agarrwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Garima Soni Roll No. 18001007024 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Joystick Controlled Industrial Automation System Using Arduino" under the supervision of Mr. Satvinder Singh Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read 'Poonam Singh'.

**Chairperson (EL)**  
(Dr. Poonam Singh)



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### *Major Project Certificate*

It is to certify that Mr./ Ms. Hemant singh Roll No. 18001007026 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Battery Charger with Inverter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s 22 to confer Degree)

(Accredited 'A' Grade by NAAC)

## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Harsh Ojha Roll No. 18001007027 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "GSM Based Load Estimation Smart Meter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read "Yogenra Arya".

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read "Nitin Goel".

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read "Poonam Singhal".

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Himanshu Attri Roll No. 18001007029 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "GSM Based Load Estimation Smart Meter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Ishan Yadav Roll No. 18001007030 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Bag" under the supervision of Dr. Yogendra Arya Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogendra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Jitender Roll No. 18001007031 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Face Mask Detection Using ML And Deep Learning." under the supervision of Dr. Sakshi Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Jitender Roll No. 18001007032 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Horizontal Single Axis Solar Tracking Using Arduino" under the supervision of Dr. Rashmi Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

  
Project Coordinator  
(Dr. Yogenra Arya)

  
Project Coordinator  
(Nitin Goel)

  
Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Karanajit Singh Jubbal Roll No. 18001007033 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Smart Energy Meter Over IoT" under the supervision of Dr. Rajesh Ahuja Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Lalit Roll No. 18001007035 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Bag (Backpack)" under the supervision of Dr. Anju Gupta Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

  
**Project Coordinator**  
(Dr. Yogenra Arya)

  
**Project Coordinator**  
(Nitin Goel)

  
**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Mahaveer Roll No. 18001007036 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Horizontal Single Axis Solar Tracking Using Arduino" under the supervision of Dr. Rashmi Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Manish Roll No. 18001007037 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Bag (Backpack)" under the supervision of Dr. Anju Gupta Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Manish Tanwar Roll No. 18001007038 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Extrusion Type Portable 3D Printer" under the supervision of Mr. Atma Ram Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Monika Yadav Roll No. 18001007039 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "IOT Based Smart Agriculture Monitoring System" under the supervision of Mr. Satvinder Singh Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, which appears to be 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, which appears to be 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, which appears to be 'Poonam Singh'.

**Chairperson (EL)**  
(Dr. Poonam Singh)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Neha Bhadu Roll No. 18001007040 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "IOT Patient Health Monitoring System" under the supervision of Mr. Satvinder Singh Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read 'Poonam Singh'.

**Chairperson (EL)**  
(Dr. Poonam Singh)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Nishant Roll No. 18001007041 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Portable 3D Printer" under the supervision of Mr. Atma Ram Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

  
**Project Coordinator**  
(Dr. Yogenra Arya)

  
**Project Coordinator**  
(Nitin Goel)

  
**Chairperson (EL)**  
(Dr. Poonam Singhal)



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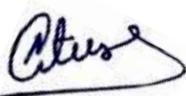
(Accredited 'A' Grade by NAAC)

## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Nitin Roll No. 18001007042 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic Solar Street Light Installation In Girl'S Hostel" under the supervision of Dr. Shakuntla Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

  
Project Coordinator  
(Dr. Yogenra Arya)

  
Project Coordinator  
(Nitin Goel)

  
Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Parvinder Singh Roll No. 18001007043 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic Solar Street Light Installation In Girl'S Hostel" under the supervision of Dr. Shakuntla Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rahul Kumar Roll No. 18001007044 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Underground Cable Fault Detection" under the supervision of Dr. Yogendra Arya Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rahul Singh Roll No. 18001007045 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Portable 3D Printer" under the supervision of Mr. Atma Ram Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rahul Yadav Roll No. 18001007046 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Portable 3D Printer" under the supervision of Mr. Atma Ram Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rajat Bansal Roll No. 18001007047 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Three Phase Transmission Line Fault Detection And Analysis" under the supervision of Ms. Anubha Gautam Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Raman Singla Roll No. 18001007048 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Three Phase Fault Analysis With Auto Reset On Temporary Fault And Permanent Trip Otherwise" under the supervision of Dr. Yogendra Arya Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogendra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rekha Roll No. 18001007049 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Three Phase Transmission Line Fault Detection And Analysis" under the supervision of Ms. Anubha Gautam Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, appearing to read "Yogenra Arya".

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, appearing to read "Nitin Goel".

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, appearing to read "Poonam Singh".

**Chairperson (EL)**  
(Dr. Poonam Singh)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Ritik Parashar Roll No. 18001007050 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Third Eye For The Blind-Ultrasonic Vibrator Glove" under the supervision of Ms. Rachna Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rohit Gautam Roll No. 18001007051 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "IoT Based Smart Intelligent Security System" under the supervision of Dr. Sakshi Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rohit Ranjan Roll No. 18001007052 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Third Eye For The Blind-Ultrasonic Vibrator Glove" under the supervision of Ms. Rachna Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Rohit Yadav Roll No. 18001007053 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Home Automation" under the supervision of Ms. Rachna Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Shamit Pal Roll No. 18001007054 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Battery Charger with Inverter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Shivani Nigam Roll No. 18001007055 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Advanced Solar Tracking System" under the supervision of Ms. Shipra Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Shubham Gurania Roll No. 18001007056 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic Solar Street Light Installation In Girl'S Hostel" under the supervision of Dr. Shakuntla Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Shweta Singh Roll No. 18001007057 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Advanced Solar Tracking System" under the supervision of Ms. Shipra Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Sonu Vashisth Roll No. 18001007059 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic Solar Street Light Installation In Girl'S Hostel" under the supervision of Dr. Shakuntla Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Sumit Roll No. 18001007060 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Under and Over Voltage Protection" under the supervision of Dr. P. R. Sharma Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Tamana Verma Roll No. 18001007061 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Smart Parking System" under the supervision of Ms. Bharti Thakur Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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(Accredited 'A' Grade by NAAC)

## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Tarun Roll No. 18001007063 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Powered 100 Watt Inverter" under the supervision of Mr. Atma Ram Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Vishal Bhati Roll No. 18001007064 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Powered 100 Watt Inverter" under the supervision of Mr. Atma Ram Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Vivek Roll No. 18001007065 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic Room Light Control with Visitor Counter using Arduino" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

A handwritten signature in red ink, which appears to be 'Yogenra Arya'.

**Project Coordinator**  
(Dr. Yogenra Arya)

A handwritten signature in black ink, which appears to be 'Nitin Goel'.

**Project Coordinator**  
(Nitin Goel)

A handwritten signature in blue ink, which appears to be 'Poonam Singhal'.

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Bablu Roll No. 19001007501 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Domestic Electric Wiring Fault Detection (Late Submission)" under the supervision of Dr. Yogendra Arya Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogendra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Manish Kumar Roll No. 19001007502 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Power Inverter" under the supervision of Ms. Bharti Thakur Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Mohit Gaur Roll No. 19001007503 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Automatic Room Light Control with Visitor Counter using Arduino" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

**Project Coordinator**  
(Dr. Yogenra Arya)

**Project Coordinator**  
(Nitin Goel)

**Chairperson (EL)**  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Moksh Aggarwal Roll No. 19001007504 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "IOT Patient Health Monitoring System" under the supervision of Mr. Satvinder Singh Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Parteek Roll No. 19001007505 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Wireless Power Transfer System" under the supervision of Ms. Shipra Aggarwal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Swati Roll No. 19001007507 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Joystick Controlled Industrial Automation System Using Arduino" under the supervision of Mr. Satvinder Singh Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)



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## Department of Electrical Engineering

### *Major Project Certificate*

It is to certify that Mr./ Ms. Vikas Gupta Roll No. 19001007508 7<sup>th</sup> semester of Electrical Engineering Department has successfully completed his/her major project entitled "Solar Battery Charger with Inverter" under the supervision of Dr. Poonam Singhal Department of Electrical Engineering, J. C. Bose University of Science and Technology, YMCA, Faridabad, during session July to December 2021.

Project Coordinator  
(Dr. Yogenra Arya)

Project Coordinator  
(Nitin Goel)

Chairperson (EL)  
(Dr. Poonam Singhal)