



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

**PLC Operated Color Based Product Sorting
Machine.**

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

Divyanshu Gupta

ASSISTANT PROFESSOR



SUBMITTED BY

161020325001	JITENDRA YADAV RAMESHWAR SINGH
161020325002	YADAV
161020325004	ASHOK KUMAR YADAV
161020325006	RAHUL YADAV
161020325007	VINAY GAUTAM

(Session:2019-2020)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, "PLC Operated Color Based Product Sorting Machine" submitted by

161020325001	JITENDRA YADAV RAMESHWAR SINGH
161020325002	YADAV
161020325004	ASHOK KUMAR YADAV
161020325006	RAHUL YADAV
161020325007	VINAY GAUTAM

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electronics & Communication Engineering during the session of 2019-2020 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Divyanshu Gupta
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

8-bit RISC Processor Using Verilog HDL.

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

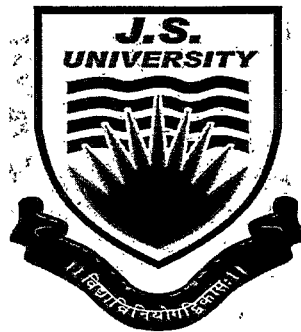
IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

Divyanshu Gupta

ASSISTANT PROFESSOR



SUBMITTED BY

161020325017	ANMOL PRAKASH
171023325001	RAHUL
	HIMANSHU
171023325002	BAGHEL

(Session:2019-2020)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “8-bit RISC Processor Using Verilog HDL:”
submitted by

161020325017	ANMOL PRAKASH
171023325001	RAHUL HIMANSHU
171023325002	BAGHEL

in the partial fulfillment of the requirement for the award of Bachelor of Technology in
Electronics & Communication Engineering during the session of 2019-2020.

It is authenticate work carried out by him under my supervision and guidance. To the best of my
knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute
for award of any Degree or Diploma.

Divyanshu Gupta
Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

AN AUTONOMOUS TRAVELLING SYSTEM

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

Ajeet Singh Verma

ASSISTANT PROFESSOR



SUBMITTED BY

171020306003 RAHUL KUMAR
171020306008 VISHAL TIWARI
171020306011 SHIVAM RAI

(Session:2020-2021)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, **AN AUTONOMOUS TRAVELLING SYSTEM** submitted by

171020306003	RAHUL KUMAR
171020306008	VISHAL TIWARI
171020306011	SHIVAM RAI

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electronics & Communication Engineering during the session of 2020-2021.

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Ajeet Singh Verma
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Analysis and design of MIMO antenna for UWB.

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

Divyanshu Gupta

ASSISTANT PROFESSOR



SUBMITTED BY

181023325001	POOJA SATSANGI
181023325002	POOJA VERMA
181023325003	LIKHA HAZARIKA

(Session:2020-2021)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, "Analysis and design of MIMO antenna for UWB " submitted by

181023325001	POOJA SATSANGI
181023325002	POOJA VERMA
181023325003	LIKHA HAZARIKA

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electronics & Communication Engineering during the session of 2020-2021.

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Divyanshu Gupta
Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

**Microcontroller based MPPT control for solar
Vehicle.**

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

Ajeet Singh Verma

ASSISTANT PROFESSOR



SUBMITTED BY

171020525013	MANU KUMAR VERMA
171020525019	ASHISH KUMAR
171020525020	BRIJ MOHAN
171020525023	PUNIT KUMAR VARSHNEY
181023525001	AJAY KUMAR

(Session:2020-2021)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “**Microcontroller based MPPT control for solar Vehicle:**” submitted by

171020525013	MANU KUMAR VERMA
171020525019	ASHISH KUMAR
171020525020	BRIJ MOHAN
171020525023	PUNIT KUMAR VARSHNEY
181023525001	AJAY KUMAR

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2020-2021 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Ajeet Singh Verma

Ajeet Singh Verma
Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Irrigation Monitoring and Controlling system

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

Mahendra Pratap Singh

ASSISTANT PROFESSOR



SUBMITTED BY

181023525002	AKASH CHAUHAN
181023525003	AMIT KUMAR
181023525004	AMIT KUMAR DWIVEDI
181023525007	HIMANSHU KUMAR
181023525009	KAPIL KUMAR

(Session:2020-2021)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



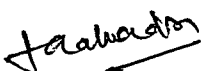
CERTIFICATE

This is to certify that thesis entitled, "Irrigation Monitoring and Controlling system" submitted by

181023525002	AKASH CHAUHAN
181023525003	AMIT KUMAR
181023525004	AMIT KUMAR DWIVEDI
181023525007	HIMANSHU KUMAR
181023525009	KAPIL KUMAR

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2020-2021 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.


Mahendra Pratap Singh
Assistant Professor

Department of Electrical & Electronics Engineering
J. S. University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

**Control strategy for hybrid renewable energy
Systems.**

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

Divyanshu Gupta

ASSISTANT PROFESSOR



SUBMITTED BY

181020525017 SATYADEV
181020525021 RANJEET SINGH
AKASH
191023512001 CHANDRA
191023512002 ALOK KUMAR
ALZAFAR
191023512003 MOHSIN

(Session:2021-2022)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “Control strategy for hybrid renewable energy Systems” submitted by

181020525017	SATYADEV
181020525021	RANJEET SINGH AKASH
191023512001	CHANDRA
191023512002	ALOK KUMAR ALZAFAR
191023512003	MOHSIN

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2021-2022.

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Divyanshu Gupta
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Control techniques for robotic manipulators

Submitted in partial fulfillment of the requirement for the award of Degree of

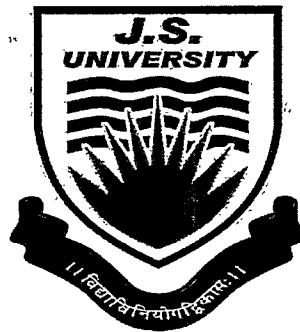
BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

Mahendra pratap Singh
ASSISTANT PROFESSOR



SUBMITTEDBY-

181020525001 AKASH KUMAR
LOKENDRA PRATAP
181020525003 SINGH
181020525010 SAURABH KUMAR
191023512005 ASHISH YADAV
ASHUTOSH
191023512006 CHATURVEDI

(Session:2021-2022)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “Control techniques for robotic manipulators:” submitted by

181020525001	AKASH KUMAR LOKENDRA PRATAP
181020525003	SINGH
181020525010	SAURABH KUMAR
191023512005	ASHISH YADAV ASHUTOSH
191023512006	CHATURVEDI

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2021-2022 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Mahendra Pratap Singh

Mahendra pratap Singh
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

**An android app for detection of fake caller based
on speech biometrics**

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

MAHENDRA PRATAP SINGH

ASSISTANT PROFESSOR



SUBMITTED BY

181020305002	SAURABH SINGH
181020305003	KM ARCHNA SINGH
191023312001	LOKESH SINGH
191023312002	DEVANSHI UPADHYAY
191023314003	RITESH RAGHAV

(Session:2021-2022)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “An android app for detection of fake caller based on speech biometrics” submitted by

181020305002	SAURABH SINGH
181020305003	KM ARCHNA SINGH
191023312001	LOKESH SINGH
191023312002	DEVANSHI UPADHYAY
191023314003	RITESH RAGHAV

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electronics & Communication Engineering during the session of 2021-2022 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute. for award of any Degree or Diploma.

Mahendra Pratap Singh

Mahendra Pratap Singh
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Solar Wireless Electric Vehicle Charging System

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

MANOJ KUMAR

ASSISTANT PROFESSOR



SUBMITTED BY

191023314006	VIBHU SINGH
191023314007	AKASH TAWAR
191023314004	SACHIN PAL

(Session:2021-2022)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, **“Solar Wireless Electric Vehicle Charging System”** submitted by

191023314006	VIBHU SINGH
191023314007	AKASH TAWAR
191023314004	SACHIN PAL

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electronics & Communication Engineering during the session of 2021-2022 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

MANOJ KUMAR

Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Design and Automation of Classroom using timetable.

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

Ravi Pachauri

ASSISTANT PROFESSOR



SUBMITTEDBY-

191020514013	AMAN KUMAR YADAV
191020514021	MOHD NAVED
191020514022	Mritunjay Kumar Gautam
191020514026	AVINASH KUMAR
191020514027	PRIYENDRA PRATAP

(Session:2022-2023)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, **Design and Automation of Classroom using timetable:**”
submitted by

191020514013	AMAN KUMAR YADAV
191020514021	MOHD NAVED
191020514022	Mritunjay Kumar Gautam
191020514026	AVINASH KUMAR
191020514027	PRIYENDRA PRATAP

in the partial fulfillment of the requirement for the award of Bachelor of Technology in
Mechanical Engineering during the session of 2022-2023 in the department of Electrical &
Electronics Engineering Shikohabad (Uttar-Pradesh).

It is authenticate work carried out by him under my supervision and guidance. To the best of my
knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute
for award of any Degree or Diploma.


Ravi Pachauri

Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Design a module to evaluate the driving behavior and conditions of the road

Submitted in partial fulfillment of the requirement for the award of Degree of

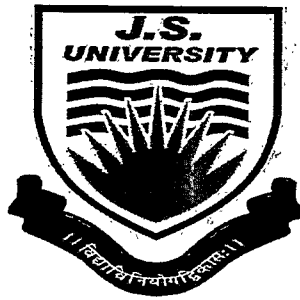
BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

**RAVI PACHAURI
ASSISTANT PROFESSOR**



SUBMITTED BY-

191020512001 ADITYA PACHAURI
191020512002 ANUPAM GAUTAM
191020512004 HIMANSHU
191020512007 SHIVAM SINGH
BHOOPENDRA
191020512010 KUMAR

(Session:2022-2023)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “**Design a module to evaluate the driving behavior and conditions of the road.**” submitted by

191020512001	ADITYA PACHAURI
191020512002	ANUPAM GAUTAM
191020512004	HIMANSHU
191020512007	SHIVAM SINGH
	BHOOPENDRA
191020512010	KUMAR

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2022-2023.

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

RAVI PACHAURI
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Design and Control of a Robotic Manipulator

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

Divyanshu Gupta

ASSISTANT PROFESSOR



SUBMITTEDBY-

191020514028	ALOK KUMAR
201023512001	NEETESH KUMAR
201023512002	SAKEEL AHMAD
201023512003	GAUTAM KUMAR SINGH
201023512004	PRABHAT TIWARI

(Session:2022-2023)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, **“Design and Control of a Robotic Manipulator:”** submitted by

191020514028	ALOK KUMAR
201023512001	NEETESH KUMAR
201023512002	SAKEEL AHMAD
201023512003	GAUTAM KUMAR SINGH
201023512004	PRABHAT TIWARI

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2022-2023 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

DIVYANSHU GUPTA
Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

**Arduino Based communication between Deaf and
Dumb People to normal people.**

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRONICS & COMMUNICATION ENGINEERING

Under the Supervision of

Divyanshu Gupta

ASSISTANT PROFESSOR



SUBMITTED BY

191020314002 NITISH KUMAR
191020314004 KULBHUSHAN
201023312001 APARNA SINGH PARMAR
201023312002 MANISH KUMAR
201023312003 SANJAY KUMAR

(Session:2022-2023)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “**Arduino Based communication between Deaf and Dumb People to normal people**” submitted by

191020314002 NITISH KUMAR
191020314004 KULBHUSHAN
201023312001 APARNA SINGH PARMAR
201023312002 MANISH KUMAR
201023312003 SANJAY KUMAR

in the partial fulfillment of the requirement for the award of Bachelor of Technology in
Electronics & Communication Engineering during the session of 2022-2023.

It is authenticate work carried out by him under my supervision and guidance. To the best of my
knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute
for award of any Degree or Diploma.

Divyanshu Gupta
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Planar frequency diversity antenna for wideband and selective band 4g-lte application.

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

AJEET SINGH VERMA

ASSISTANT PROFESSOR



SUBMITTEDBY-

191020514001 RAKESH KUMAR
191020514007 ASHUTOSH MISHRA
191020514008 DEVANAND YADAV
ASHUTOSH KUMAR
191020514009 PAL
191020514012 MADAN KUMAR

(SESSION:2022-23)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, “**Planar frequency diversity antenna for wideband and selective band 4g-lte application**” submitted by

191020514001 RAKESH KUMAR
191020514007 ASHUTOSH MISHRA
191020514008 DEVANAND YADAV
ASHUTOSH KUMAR
191020514009 PAL
191020514012 MADAN KUMAR

in the partial fulfillment of the requirement for the award of Bachelor of Technology in Electrical & Electronics Engineering during the session of 2022-2023 .

It is authenticate work carried out by him under my supervision and guidance. To the best of my knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute for award of any Degree or Diploma.

Ajeet Singh Verma

Ajeet Singh Verma
Assistant Professor

Department of Electrical & Electronics Engineering
J S University Shikohabad



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.

A

DISSERTATION REPORT

ON

Time image processing

Design and development of automatic vehicle.

Submitted in partial fulfillment of the requirement for the award of Degree of

BACHELOR OF TECHNOLOGY

IN

ELECTRICAL & ELECTRONICS ENGINEERING

Under the Supervision of

RAVI PACHAURI

ASSISTANT PROFESSOR



SUBMITTED BY-

201023512005 VISHAL SINGH

201023512006 VIKAS KUMAR

(Session:2022-2023)



J. S. UNIVERSITY, SHIKOHBAD, FIROZABAD, U.P.



CERTIFICATE

This is to certify that thesis entitled, **“Time image processing Design and development of automatic vehicle”** submitted by

201023512005 VISHAL SINGH

201023512006 VIKAS KUMAR

in the partial fulfillment of the requirement for the award of Bachelor of Technology in
Electrical & Electronics Engineering during the session of 2022-2023:
It is authenticate work carried out by him under my supervision and guidance. To the best of my
knowledge, the matter embodied in this thesis has not submitted to any other University/ Institute
for award of any Degree or Diploma.

RAVI PACHAURI
Assistant Professor
Department of Electrical & Electronics Engineering
J S University Shikohabad