

List of Project Session 2021-22

Sr. No.	Roll No.	Name of Student	Topic of Project	Project guide
1	170102018	MOHD. ASIF	Efficacy of sustainable concrete made of Bagasse ash	Dr. Kavita Tandon
2	170102022	PRASHANT TIWARI	A study of technical and environmental feasibility of fly ash bricks	Mr. Prithvipati
3	180102001	AKANKSHA PAL	A study on usage and efficacy of facemask during Covid	Prof. Dipteek Parmar
4	180102002	AMAN KUMAR	A study on usage and efficacy of facemask during Covid	Prof. Dipteek Parmar
5	180102003	AASTHA OMAR	Soil Stabilization using coir fibre	Mr. Manish Kumar
6	180102004	ABHAY PATEL	A study on usage and efficacy of facemask during Covid	Prof. Dipteek Parmar
7	180102005	ABHINAV GUPTA	Analyzing the effects of particulate matter in Kanpur city	Dr. Rajiv Ganguly
8	180102006	ABHISHEK CHOUDHARY	Design of RCC circular overhead tank	Prof. Sunil Kumar
9	180102007	ABHISHEK KUMAR CHAUDHARY	Efficacy of sustainable concrete made of Bagasse ash	Dr. Kavita Tandon
10	180102008	APOORV SINGH	Soil Stabilization using coir fibre	Mr. Manish Kumar
11	180102009	ARYAMAN SINGH	A study of technical and environmental feasibility of fly ash bricks	Mr. Prithvipati
12	180102010	ASHISH TRIVEDI	Traffic signal design using green flow algorithms	Prof. Pradeep Kumar
13	180102011	ASHTABHUJA YADAV	Design of RCC circular overhead tank	Prof. Sunil Kumar
14	180102012	BALWANT KUMAR YADAV	Analyzing the effects of particulate matter in Kanpur city	Dr. Rajiv Ganguly
15	180102013	DIVYANSH YADAV	Analyzing the effects of particulate matter in Kanpur city	Dr. Rajiv Ganguly
16	180102014	HARSH VERMA	Statistical analysis and determination of water quality index	Dr. Deepesh Singh
17	180102015	HIMANSHU SINGH	A study of technical and environmental feasibility of fly ash bricks	Mr. Prithvipati
18	180102016	JANVI SINGH	A study on usage and efficacy of facemask during Covid	Prof. Dipteek Parmar
19	180102017	JIGYASA SHARMA	Statistical analysis and determination of water quality index	Dr. Deepesh Singh
20	180102018	PANKAJ KUMAR	Traffic signal design using green flow algorithms	Prof. Pradeep Kumar
21	180102019	PRANAV RAI	Design of RCC circular overhead tank	Prof. Sunil Kumar
22	180102020	RAHUL VERMA	Design of RCC circular overhead tank	Prof. Sunil Kumar
23	180102021	RHYTHM DUBEY	Statistical analysis and determination of water quality index	Dr. Deepesh Singh
24	180102022	SACHIN KUMAR RISHI	Efficacy of sustainable concrete made of Bagasse ash	Dr. Kavita Tandon
25	180102023	SALONI MISHRA	Statistical analysis and determination of water quality index	Dr. Deepesh Singh

26	180102024	SANDEEP KESHARI	A study of technical and environmental feasibility of fly ash bricks	Mr. Prithvipati
27	180102025	SIDHARTH SHUKLA	Analyzing the effects of particulate matter in Kanpur city	Dr. Rajiv Ganguly
28	180102026	SOURABH YADAV	Traffic signal design using green flow algorithms	Prof. Pradeep Kumar
29	180102027	SUBHASH KUMAR RANA	Soil Stabilization using coir fibre	Mr. Manish Kumar
30	180102028	UJJWAL SINGH	Soil Stabilization using coir fibre	Mr. Manish Kumar
31	180102029	VIKRANT SRIVASTAVA	A study of technical and environmental feasibility of fly ash bricks	Mr. Prithvipati
32	180102030	YUVRAJ PAL	Traffic signal design using green flow algorithms	Prof. Pradeep Kumar
33	180102031	AKANKSHA VERMA	Efficacy of sustainable concrete made of Bagasse ash	Dr. Kavita Tandon

(Anand Kumar)

Dean of Academic Affairs

A STUDY ON USAGE AND EFFICACY OF FACEMASK DURING COVID

Submitted by

AKANKSHA PAL (180102001)

AMAN KUMAR (180102002)

ABHAY PATEL (180102004)

JANVI SINGH (180102016)



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

Kanpur-208002

July, 2022

A STUDY ON USAGE AND EFFICACY OF FACEMASK DURING COVID

Submitted in partial fulfilment for award of the degree
of

BACHELOR OF TECHNOLOGY
in
Civil Engineering

by

AKANKSHA PAL (180102001)

AMAN KUMAR (180102002)

ABHAY PATEL (180102004)

JANVI SINGH (180102016)

Under the Supervision of

Dr. DIPTEEK PARMAR

Professor & Head



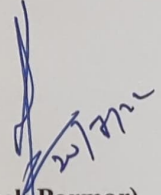
Department of Civil Engineering
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
Kanpur-208002

July, 2022

CERTIFICATE

This is to certified that **Akanksha Pal** (180102001), **Aman Kumar** (180102002), **Abhay Patel** (180102004), **Janvi Singh** (180102016) have carried out their B.Tech project titled as “**A study on usage and efficacy of facemask during COVID**” presented in this report for the award of **Bachelor of Technology in Civil Engineering** from **Harcourt Butler Technical University, Kanpur** under my supervision during the period 2021-2022. The report embodies results of original work carried out by these students and the contents of this study have not been presented anywhere for the award of any other degree/diploma.

Date: 20/7/22



(Dipteek Parmar)

Professor & Head
Civil Engineering Department
H.B.T.U, Kanpur

ACKNOWLEDGEMENTS

We wish to affirm our earnest acknowledgement and deepest gratitude to our supervisor Dr. Dipteek Parmar, Professor, Department of Civil Engineering, HBTU, Kanpur, India for introducing the present topic, his intuitive and meticulous guidance, constructive criticism, valuable suggestion and perpetual inspiration in completion of this report. We are highly thankful to him for devoting his valuable time despite his busy schedule.

We would also like to express our gratitude to our parents and friends for their kind cooperation, encouragement, motivation and inspiration have always provided us with high mental support and contributed in all possible ways, in completion of this report.

Date:13.07.2022

Akanksha Pal

(Akanksha Pal)

Roll No. 180102001

Aman Kumar

(Aman Kumar)

Roll No. 180102002

Abhay Patel.

(Abhay Patel)

Roll No. 180102004

Janvi Singh

(Janvi Singh)

Roll No. 180102016

ANALYSING THE EFFECTS OF PARTICULATE MATTER IN KANPUR CITY

by

DIVYANSH YADAV (180102013)

BALWANT KUMAR YADAV (180102012)

ABHINAV GUPTA (180102005)

SIDHARTH SHUKLA (180102025)



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

Kanpur-208002

July, 2022

ANALYSING THE EFFECTS OF PARTICULATE MATTER IN KANPUR CITY

Submitted in partial fulfilment for award of the degree
of

BACHELOR OF TECHNOLOGY
in
Civil Engineering

by

DIVYANSH YADAV (180102013)
BALWANT KUMAR YADAV (180102012)
ABHINAV GUPTA (180102005)
SIDHARTH SHUKLA (180102025)

Under the Supervision of
Dr. RAJIV GANGULY
Associate Professor



Department of Civil Engineering
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

Kanpur-208002

July, 2022

CERTIFICATE

This is to certify that **Divyansh Yadav** (180102013), **Balwant Kumar Yadav** (180102012), **Abhinav Gupta** (180102005) and **Sidharth Shukla** (180102025) have carried out research work presented in this report entitled “**ANALYSING THE EFFECTS OF PARTICULATE MATTER IN KANPUR CITY**” for the award of **Bachelor of Technology** from **Harcourt Butler Technical University, Kanpur** under my supervision. The report embodies results of original work and studies carried out by the student herself/himself and the contents of this report do not form the basis for the award of any other degree to the candidate or to anybody else from this or any other University/Institution.

Date: 13.07.2022

Rajiv Ganguly
21/7/22

(Dr. Rajiv Ganguly)

Associate Professor

Civil Engineering Department

H.B.T.U. Kanpur

ACKNOWLEDGEMENTS

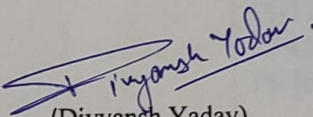
First and foremost, we would like to express our deep sense of gratitude to our project guide **Dr. Rajiv Ganguly**, Associate Professor, Department of Civil Engineering, H.B.T.U. Kanpur for his valuable guidance, comments, teachings and overall support in which he had contributed for the successful completion of this Project report. Without his guidance and persistent help this project would not have been possible.

We are also extremely thankful to our Head of Department **Dr. Dipteek Parmar** and other faculty members of the departments for their guidance and constructive suggestions during various project progress presentation held during academic sessions.

We would also like to thank our parents who have patiently helped us as we went through our work and would also like to thank our friends who have helped us in making our work more organised and well- stacked till the end. Last but clearly not the least, we would thank the almighty forgiving us strength to complete my report on time.

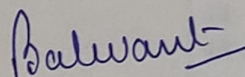
Date: 13.07.2022

Place: Kanpur



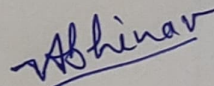
(Divyansh Yadav)

Roll No.180102013



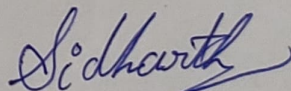
(Balwant Kumar Yadav)

Roll No. 180102012



(Abhinav Gupta)

Roll No. 180102005



(Sidharth Shukla)

Roll No. 180102025

EFFICACY OF SUSTAINABLE CONCRETE MADE OF BAGASSE ASH

by

ABHISHEK KUMAR CHAUDHARY (180102007)

SACHIN KUMAR RISHI (180102022)

AKANKSHA VERMA (180102031)

MOHD. ASIF (170102018)



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

KANPUR – 208002

July, 2022

EFFICACY OF SUSTAINABLE CONCRETE MADE OF BAGASSE ASH

Submitted in Partial fulfilment of the requirements of the Degree of

**Bachelor of Technology in
Civil Engineering**

by

ABHISHEK KUMAR CHAUDHARY (180102007)

SACHIN KUMAR RISHI (180102022)

AKANKSHA VERMA (180102031)

MOHD. ASIF (170102018)

Under the Supervision of

Dr. KAVITA TANDON

Assistant Professor



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

KANPUR – 208002

July, 2022

CERTIFICATE

This is to certify that Abhishek Kumar Chaudhary (180102007), Sachin Kumar Rishi (180102022), Akanksha Verma (180102031), and Mohd. Asif (170102018) has carried out the research work presented in this report entitled- "EFFICACY OF SUSTAINABLE CONCRETE MADE OF BAGASSE ASH" for the award of Bachelor of Technology from Harcourt Butler Technical University under my supervision. The report embodies the results of original work, and studies are carried out by the student himself/herself. The contents of the report do not form the basis for the award of any other degree to the candidate or anybody else from this or any other University/Institution.

This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Date- 13-07-2022

Kavita.T
21/7/22

(Dr. Kavita Tandon)

Assistant Professor

Dept. of Civil Engineering

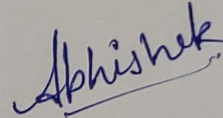
HBTU, Kanpur

ACKNOWLEDGEMENTS

Our heart quivers with the thrill of offering gratitude to those individuals who helped us in the completion of the project. The most idyllic point of presenting a project is the opportunity to thank those who have contributed to it.

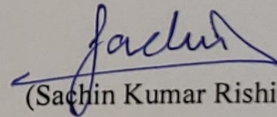
Unfortunately, the list of acknowledgments no matter how extensive is always incomplete and inadequate. Indeed this page of mention shall never be able to touch the horizon of generousness of those who tendered their help to us. First of all, we would like to express our gratitude and obligation to Dr. Kavita Tandon for her kindness in allowing us to introduce the present topic for her inspiring direction, constructive feedback and valuable propositions throughout this project work.

We feel privileged in conveying our thanks to all the faculty and staff members of our department for their encouragement and moral support. A combination of this nature could never have been attempted without reference to and inspiration from the works of others whose details have been mentioned in the reference section. We acknowledge our indebtedness to all of them.



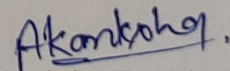
(Abhishek Kumar Chaudhary)

(180102007)



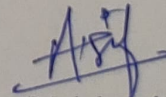
(Sachin Kumar Rishi)

(180102022)



(Akanksha Verma)

(180102031)



(Mohd. Asif)

(170102018)

SOIL STABILIZATION USING COIR FIBRE

by

UJJWAL SINGH (180102028)

SUBHASH KUMAR RANA (180102027)

AASTHA OMAR (180102003)

APOORV SINGH (180102008)



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

KANPUR – 208002

July, 2022

SOIL STABILIZATION USING COIR FIBRE

Submitted in Partial fulfilment for the requirements of the Degree of

**Bachelor of Technology in
Civil Engineering**

by

UJJWAL SINGH (180102028)

SUBHASH KUMAR RANA (180102027)

AASTHA OMAR (180102003)

APOORV SINGH (180102008)

Under the Supervision of

Mr. MANISH KUMAR

Assistant Professor



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

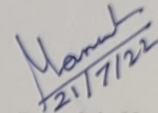
KANPUR – 208002

July, 2022

CERTIFICATE

This is to certify that Ujjwal Singh (180102028), Subhash Kumar Rana (180102027) Aastha Omar (180102003), Apoorv Singh (180102008) students of Final B.Tech Civil Engineering, Harcourt Butler Technical University, Kanpur have successfully completed their B.Tech. Project titled "Soil Stabilization using coir fibre" under my supervision and guidance. The project report embodies the study and work carried out by students themselves and the content of the report do not form the basis for the award of any other degree to the candidates.

Date: 13/07/2022



(Manish Kumar)

Assistant Professor

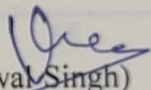
Civil Engineering Department

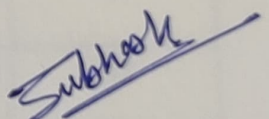
HBTU, Kanpur

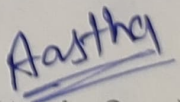
ACKNOWLEDGEMENTS

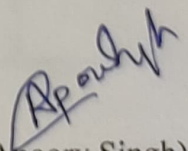
It is our honour and duty to acknowledge the knowledge and assistance that we obtained from many sources throughout the compilation of this project report. Without their invaluable assistance, cooperation, and direction, it would not have been feasible to compile this report in the manner that it was. We would first want to express our gratitude to the Civil Engineering Department of HBTU Kanpur, which enabled us to prepare this report. We want to express our sincere gratitude to Mr. Manish Kumar Sir, the Assistant professor under whose direction this project was created. Second, we want to express our gratitude to HOD Prof. Dipteek Parmar Sir for his invaluable advice and support during the project. Our deepest appreciation to Mr. Manish Kumar, our project mentor.

Date: 13/07/2022


(Ujjwal Singh)
(180102028)


(Subhash Kumar Rana)
(180102027)


(Aastha Omar)
(180102003)


(Apoorv Singh)
(180102008)

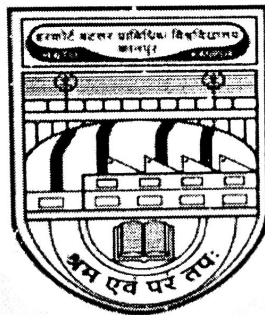
TRAFFIC SIGNAL DESIGN USING GREEN FLOW ALGORITHMS

In Partial fulfilment for the award of the degree of
BACHELOR OF TECHNOLOGY
Civil Engineering

by

ASHISH TRIVEDI(180102010)
PANKAJ KUMAR(180102018)
SOURABH YADAV(180102026)
YUVRAJ PAL(180102030)
Final B. Tech. Civil Engineering

Under the Guidance of:
Dr. PRADEEP KUMAR
Professor



Department of Civil Engineering
HARCOURT BUTLER TECHNICAL UNIVERSITY

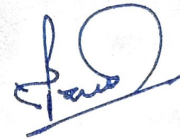
KANPUR – 208002

JULY 2022

CERTIFICATE

This is to certify that the Project Work, entitled “**TRAFFIC SIGNAL DESIGN USING GREEN FLOW ALGORITHMS**” is a bonafide work of M/s Ashish Trivedi (180102010), Pankaj Kumar (180102018), Sourabh Yadav (180102026) and Yuvraj Pal (180102030) who carried out the research under my supervision. To the best of my knowledge, the work reported herein does not form part of any other thesis or desertion on the basis of which a degree or reward was conferred on an earlier occasion on this or other candidate.

Signature:



Dr. PRADEEP KUMAR

PROFESSOR

Civil Engineering Department

✓ Date:19 July,2022

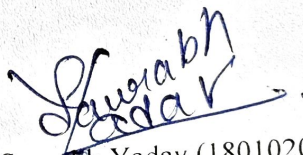
ACKNOWLEDGEMENTS

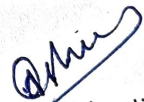
I would like to express my special thanks to our Professor of Department **Dr. Pradeep Kumar**, CIVIL ENGINEERING, HBTU, Kanpur who gave us the opportunity and fruitful guidance to this project report on the topic of '**TRAFFIC SIGNAL DESIGN USING GREEN FLOW ALGORITHMS**'.

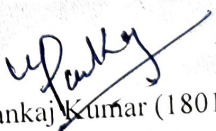
After completion of this project report, we got many information which will surely help in our future.

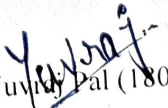
I am extremely grateful to my parents and friends who gave me valuable suggestions and guidance for completion of my project report. The co-operation and healthy criticism came handy and useful with them.

Date: 9 July,2022


Sourabh Yadav (180102026)


Ashish Trivedi (180102010)


Pankaj Kumar (180102018)


Yuvraj Pal (180102030)

DESIGN OF R.C.C. CIRCULAR OVERHEAD TANK

A Project Report Submitted

In partial fulfillment of the requirements

for the Degree of

Bachelor of Technology

In Civil Engineering

By

ASHTABHUJA YADAV (180102011)

RAHUL VERMA (180102020)

PRANAV RAI (180102019)

ABHISHEK CHOUDHARY(180102006)

Under the Supervision of

Dr. SUNIL KUMAR

Professor

Department of Civil Engineering



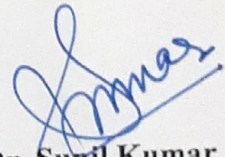
Department of Civil Engineering

JULY 2022

CERTIFICATE

This is to certify that Ashtabhuja Yadav(180102011), Rahul Verma (180102020), Pranav Rai (180102019) and Abhishek Choudhary (180102006) has carried out the research work presented in this report entitled- "DESIGN OF R.C.C CIRCULAR OVERHEAD TANK" for the award of Bachelor of Technology from Harcourt Butler Technical University, under my supervision. The report embodies results of original work, and studies are carried out by the student himself and the contents of the report do not form the basis for the award of any other degree to the candidate or anybody else from this or any other University/Institution.

This is to certify that the above statement is made by the candidates is correct to the best of my knowledge.



Dr. Sunil Kumar

(Project Guide)

Professor

Dept. of Civil Engineering

ACKNOWLEDGEMENTS

Our heart quivers with the thrill of offering gratitude to those individuals who helped us in the completion of the project. The most idyllic point of presenting a project is the opportunity to thank those who have contributed to it.

Unfortunately, the list of acknowledgments no matter how extensive is always incomplete and inadequate. Indeed this page of mention shall never be able to touch the horizon of generousness of those who tendered their help to us. First of all, we would like to express our gratitude and obligation to Dr. Sunil Kumar for his kindness in allowing us to introduce the present topic for her inspiring direction, constructive feedback and valuable propositions throughout this project work.

We feel privileged in conveying our thanks to all the faculty and staff members of our department for their encouragement and moral support. A combination of this nature could never have been attempted without reference to and inspiration from the works of others whose details have been mentioned in the reference section. We acknowledge our indebtedness to all of them.

Ashtabhuja Yadav (180102011)

Rahul Verma (180102020)

Pranav Rai (180102019)

Abhishek Choudhary (180102006)

**“STATISTICAL ANALYSIS AND DETERMINATION OF WATER
QUALITY INDEX”**

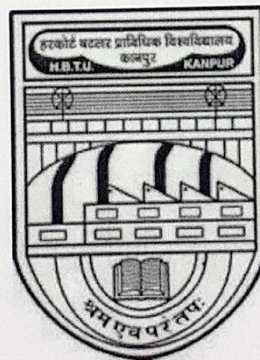
By

SALONI MISHRA (180102023)

JIGYASA SHARMA (180102017)

RHYTHM DUBEY (180102021)

HARSH VERMA (180102014)



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

July 2022

**“STATISTICAL ANALYSIS AND DETERMINATION OF WATER
QUALITY INDEX”**

A project report submitted

In partial fulfilment of the requirements

For the Degree of

BACHELOR OF TECHNOLOGY

In

CIVIL ENGINEERING DEPARTMENT

By

SALONI MISHRA (180102023)

JIGYASA SHARMA (180102017)

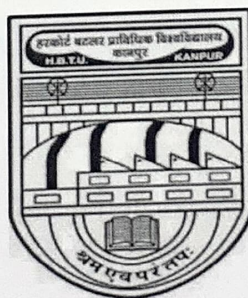
RHYTHM DUBEY (180102021)

HARSH VERMA (180102014)

Under the guidance of

Dr. DEEPESH SINGH

(ASSOCIATE PROFESSOR)



Department of civil engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

(U.P), INDIA

July 2022

CERTIFICATE

Certified that SALONI MISHRA (180102023), JIGYASA SHARMA (180102017), RHYTHM DUBEY(180102021), HARSH VERMA(180102014) have carried out the project work presented in this report entitled "STATISTICAL ANALYSIS AND DETERMINATION OF WATER QUALITY INDEX" for the award of Bachelor of Technology in Civil Engineering from Harcourt Butler Technical University ,Kanpur (UP) under my supervision and guidance. The report embodies result of original work and studies carried out by students themselves and the contents of the report do not form the basis for the award of any other degree to the candidate or to anybody.



(Dr. Deepesh Singh)

(Associate Professor)

Civil Engineering Department

HBTU, Kanpur

**A STUDY OF TECHNICAL AND ENVIRONMENTAL FEASIBILITY OF
FLY ASH BRICKS**

A Project Report

Submitted

In partial fulfillment of the requirements

for the Degree of

Bachelor of Technology

In

Civil Engineering

By

VIKRANT SRIVASTAVA (180102029)

SANDEEP KESHARI (180102024)

ARYAMAN SINGH (180102009)

PRASHANT TIWARI (170102022)

HIMANSHU SINGH (180102015)

Under the Supervision of

Mr. Prithvi Pati

Associate Professor

Department of Civil Engineering



Department of Civil Engineering

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

July 2022

CERTIFICATE

This is to certify that **Vikrant Srivastava** (180102029), **Sandeep keshari** (180102024), **Aryaman Singh** (180102009), **Prashant Tiwari** (170102022), **Himanshu Singh** (180102015) has carried out the research work presented in this report entitled-“**A Study of Technical and Environmental feasibility of fly ash bricks**” for the award of Bachelor of Technology from Harcourt Butler Technical University, under my supervision. The report embodies results of original work, and studies are carried out by the student himself, and the contents of the report do not form the basis for the award of any other degree to the candidate or anybody else from this or any other University/Institution.



Mr. Prithvi Pati

Associate Professor

Department of Civil Engineering

HBTU, Kanpur

Date: 15 July,2022

ACKNOWLEDGEMENT

Our heart quivers with the thrill of offering gratitude to those individuals who helped us in the completion of the project. The most idyllic point of presenting a project is the opportunity to thank those who have contributed to it.

Unfortunately, the list of acknowledgments no matter how extensive is always incomplete and inadequate. Indeed this page of mention shall never be able to touch the horizon of generosity of those who tendered their help to us. First of all, we would like to express our gratitude and obligation to **Mr. Prithvi Pati** for his kindness in allowing us to introduce the present topic for her inspiring direction, constructive feedback and valuable propositions throughout this project work.

We are extremely thankful to our Head of Department **Dr. Dipteek Parmar** and other faculty and staff members of our department for their encouragement and moral support. A combination of this nature could never have been attempted without reference to and inspiration from the works of others whose details have been mentioned in the reference section. We acknowledge our indebtedness to all of them.

(Vikrant Srivastava)
Roll No. 180102029

(Sandeep keshari)
Roll No. 180102024

(Aryaman Singh)
Roll No. 180102009

(Prashant Tiwari)
Roll No. 170102022

(Himanshu Singh)
Roll No. 180102015

Harcourt Butler Technical University				
Computer Science & Engineering Department				
B.Tech CSE (2021-22)- Final Year Project				
Sr. No.	Roll No.	Name of Student	Topic of Project	Project guide
1	180104008	Aditya kumar	Real time Human activity recogniton using deep learning	Dr. Prabhat Verma
2	180104009	Ajaj Ahamed	Real Time Human activity recogniton using deep learning	Dr. Prabhat Verma
3	180104017	Arvind Kumar	Real Time Human activity recogniton using deep learning	Dr. Prabhat Verma
4	180104040	Ram Bharosh Kumar	Real Time Human activity recogniton using deep learning	Dr. Prabhat Verma
5	180104034	Krishnam Dhawan	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
6	180104051	Shivam Nehra	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
7	180104037	Prateek Goel	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
8	180104062	Aman Singh	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
9	180104057	Utkarsh Tiwari	Automated driving aid using computer vision	Dr. Raghuraj Singh
10	180104041	Rishpreet Singh	Automated driving aid using computer vision	Dr. Raghuraj Singh
11	180104015	Ansh Shankar	Automated driving aid using computer vision	Dr. Raghuraj Singh
12	180104016	Arpit Malik	Automated driving aid using computer vision	Dr. Raghuraj Singh
13	180104032	Kamal kant Singh	Heart Disease using ML	Dr. Vandana Dixit
14	180104011	Akshay rathi	Heart Disease using ML	Dr. Vandana Dixit
15	180104029	Honey singh	Heart Disease using ML	Dr. Vandana Dixit
16	180104047	Shashank gautam	Heart Disease using ML	Dr. Vandana Dixit
17	180104001	Aakriti Kaithwas	Automatic license number plate recognition system	Dr. Prabaht Verma
18	180104003	Abhay	Automatic license number plate recognition system	Dr. Prabaht Verma
19	180104005	Abhishek Kamal	Automatic license number plate recognition system	Dr. Prabaht Verma
20	170104063	Vishal Singh	Automatic license number plate recognition system	Dr. Prabaht Verma
21	180104059	Vivek verma	Image caption generator	Dr. Anita Yadav
22	1801004060	Yaman Varshney	Image caption generator	Dr. Anita Yadav

23	180104030	Ishank Katiyar	Image caption generator	Dr. Anita Yadav
24	180104044	Sameer garg	Image caption generator	Dr. Anita Yadav
25	180104052	Shivangi Dubey	Driver drowsiness detection system	Dr. Raghuraj Singh
26	180104064	Mokshin Koul	Driver drowsiness detection system	Dr. Raghuraj Singh
27	180104024	Garima Singh	Driver drowsiness detection system	Dr. Raghuraj Singh
28	180104058	Vishal Anand	Driver drowsiness detection system	Dr. Raghuraj Singh
29	180104012	Alankrit Verma	Algorithmic trading bot	Dr. Vandana Dixit
30	180104028	Harshita Arun	Algorithmic trading bot	Dr. Vandana Dixit
31	180104026	Harsh Srivastava	Algorithmic trading bot	Dr. Vandana Dixit
32	180104039	Rajneesh Dubey	Algorithmic trading bot	Dr. Vandana Dixit
33	180104020	Deeksha Lala	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
34	180104038	Priyanshi Agarwal	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
35	180104043	Sakshi Agarwal	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
36	180104054	Stuti Saini	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
37	180104046	Samyank srivastava	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
38	180104004	Abhinav mehrotra	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
39	180104002	aakriti Sehrawat	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
40	180110013	Amit Singh	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
41	180110028	Deepika juneja	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit
42	180104048	Shashwat agarwal	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit
43	180105018	Pradyuman Maurya	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit

44	180104022	Deepak Pratap Seth	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit
45	180104018	Ashutosh trivedi	User chat analysis for multiple cases	Dr. Narendra Kohli
46	180104010	Akshat Sachan	User chat analysis for multiple cases	Dr. Narendra Kohli
47	180104061	Ajit jain	User chat analysis for multiple cases	Dr. Narendra Kohli
48	180104027	Harshit Jain	User chat analysis for multiple cases	Dr. Narendra Kohli
49	180104050	Shivam kumar	crime rate prediction using k -means	Dr. Narendra Kohli
50	180104055	Suryansh raghuvanshi	crime rate prediction using k -means	Dr. Narendra Kohli
51	180104036	Manish kumar	crime rate prediction using k -means	Dr. Narendra Kohli
52	180104025	harsh rathaur	crime rate prediction using k -means	Dr. Narendra Kohli
53	180104021	Deepak kumar	finding missing person using AI	Dr. Raghuraj Singh
54	180104042	Rohit pratap singh	finding missing person using AI	Dr. Raghuraj Singh
55	180104019	Chandrakant singh	finding missing person using AI	Dr. Raghuraj Singh
56	180103006	Abhishek chaudhary	finding missing person using AI	Dr. Raghuraj Singh
57	180104006	Abhishek singh	Quality checking using image processing	Dr. Prabhat Verma
58	180104007	aditya dixit	Quality checking using image processing	Dr. Prabhat Verma
59	180104045	Samir yadav	Quality checking using image processing	Dr. Prabhat Verma
60	180104023	Deepanshu chaudhary	Quality checking using image processing	Dr. Prabhat Verma
61	180104063	Rohit pratap singh	Cartoonify image with ML	Dr. Anita Yadav
62	180104014	Ankit singh	Cartoonify image with ML	Dr. Anita Yadav
63	180104013	Aman verma	Cartoonify image with ML	Dr. Anita Yadav
64	180104049	shiv kumar	Cartoonify image with ML	Dr. Anita Yadav

Harcourt Butler Technical University**Computer Science & Engineering Department****B.Tech Information Technology (2021-22)- Final Year Project**

Sl.	Roll No.	Name	Project Name	Supervisor
1	180108020	Pragya Katiyar	Automated Rating of Online Review	Dr. Vandana Dixit Kaushik
2	180108032	Rajat Aggarwal		
3	180108029	Vaibhav Tripathi		
4	180108017	KAPIL KUMAR DWIVEDI		
5	180108026	Saumya Rastogi	Cattle Care Application	Dr. Anita Yadav
6	180108018	Milind Kaushal		
7	180108015	Divyansh Tripathi		
8	180108007	Ankesh ojha	Web-Scraper	Prof. Raghuraj Singh
9	180108008	Ashutosh Bhalothia		
10	180108005	Amrendra singh		
11	180108024	Sachin Kumar		
12	180108002	Alankrita Mishra	Emotion Recognition and Depression Detection	Dr. Prabhat Verma
13	180108030	Yukti Gangwar		
14	180108027	Shipra Roy		
15	180108006	Ankesh Kumar	Stock Market Prediction	Dr. Prabhat Verma
16	180108004	Amit kumar patel		
17	180108003	Alok Dwivedi		
18	180108028	Taquiuddin		
19	180108013	Balram Verma	Indian sign language Detection using Machine Learning	Prof. Narendra Kohli
20	180108001	Akshit Singh		
21	180108031	Priyakant Panwar		
22	170108002	ABHAY PATEL		
23	180108023	Ritik kumar Nayak	Analysis of Coronary Artery Disease Using Various Machine Learning Techniques	Prof. Raghuraj Singh
24	180108022	Rishabh R Chaudhary		
25	180108019	Mohak Nigam		
26	180108021	Rajwardhan Singh		
27	180108014	Divya Kumar Jaiswal	Critique	Prof. Narendra Kohli
28	180108016	Hemant Kumar Patel		
29	180108009	Atul Bharti		
30	180108025	Sanskрати Gupta		
31	180108012	AYUSHI JAISWAL	Personality Prediction System Using CV Analysis	Dr. Vandana Dixit Kaushik
32	180108010	Avantika Singh Parihar		
33	180108011	Avinash Dixit		

Harcourt Butler Technical University**Computer Science & Engineering Department****MCA (2021-22) (Three Year Programme)- Final Year Industrial Project**

SR.NO	ROLL NO	STUDENT NAME	Project Title	Company Name	From	To
1	190231001	ABHAY PRATAP SINGH	Internship Task	Cognizant	22/4/2022	22/10/2022
2	190231002	ABHISHEK SINGH	Front End Development	Smart Programming Pvt Ltd.	15/2/2022	14/7/2022
3	190231003	ABHISHEK TRIPATHI	Buzzz A Social Media Web Application	To The New	02-08-2022	08-08-2022
4	190231004	AKASH AGARWAL	Bookz Kart	Smart Programming Pvt Ltd.	15/2/2022	14/7/2022
5	190231005	AKASH KESHARI	Job Portal	Smart Programming Pvt Ltd.	14/2/2022	14/6/2022
6	190231006	AKASH KUMAR	Online Code Editor	Smart Programming	02-05-2022	15/7/2022
7	190231007	AKASH TYAGI	Internship Task	MediaTek India Technology Pvt. Ltd.Noida	12-05-2021	31/05/2022
8	190231008	AKSHAT JAIN	IAM+(Middle East Bahrain)	Unthinkable Solutions LLP	10-04-2021	06-03-2022
9	190231009	AMISHA KUMARI	Hospital Management System	SkyBase Technolgy	02-01-2022	05-10-2022
10	190231010	ANKITA PANDEY	Buzzz A Social Media Web Application	To The New	02-08-2022	08-08-2022
11	190231012	ANSHIKA GOVIL	Internship Task	Samsung SDS	02-01-2022	30/6/2022
12	190231013	ARPIT AMRESH RAGHUBANSI	SAP-ABAP Development	IBM	01-12-2022	06-10-2022
13	190231014	ARPITA VERMA	Shoping Cart	Samsung SDS	02-01-2022	30/6/2022
14	190231015	ASHUTOSH SINGH	Internship Task	Samsung SDS	02-01-2022	30/6/2022
15	190231016	ASHUTOSH TRIPATHI	Municipal Coroporation	Webhub Technology	02-01-2022	30/6/2022

			Complained Handling Process			
16	190231017	ASHVANI PANDEY	Job Portal	Smart Programming Pvt Ltd.	14/2/2022	14/7/2022
17	190231018	ASHVANI SINGH	PB Direct (Profession Beauty Direct)	MobCoder	02-01-2022	31/7/2022
18	190231019	AYUSH AGRAWAL	Internship Task	Samsung SDS	02-01-2022	30/6/2022
19	190231020	AYUSH GAUTAM	Online Chating Application	WUD Theory Pvt Ltd	20/1/2022	25/4/2022
20	190231021	AYUSH PANDEY	Social Media Web Application	Tanzanite InfoTech	02-05-2022	20/6/2022
21	190231022	AYUSHI SINGH	Online Examination System	Samsung SDS	02-01-2022	30/6/2022
22	190231023	BHUPENDRA UMRAO	Online Chating System	Cosmo Info Solutions	02-01-2022	15/5/2022
23	190231024	DEEPAK MISHRA	Internship Task	HP Intership India	02-05-2022	07-05-2022
24	190231025	DEVANSHA	Self Driving Car	E-Gains	02-05-2022	31/5/2022
25	190231026	DIVYAPRAKASH YADAV	Internship Task	Samsung SDS	02-01-2022	30/6/2022
26	190231027	GITANJALI SAINI	Health Cloud CRM	Unthinkable Solutions LLP	10-04-2021	06-04-2022
27	190231028	HARSHIT OMER	Pick Food	Sky Base Institute	02-01-2022	05-10-2022
28	190231029	HIMANSHU AWASTHI	Social Media Application	To The NEW	02-01-2022	30/6/2022
29	190231030	ISHITA KUMARI	Twitter Sentiment Analysis	Cognizant	22/1/2022	31/5/2022
30	190231031	KAJAL VISHWAKARMA	Online Shopping	Samsung SDS	02-01-2022	30/6/2022
31	190231032	KAJUL SHARMA	Smart Planning and Execution FPP	Yamaha Motors Solution Ltd India	27/1/2022	27/5/2022
32	190231033	KIRTI SINGH	Disease Predictor Using ML	SkyBase Technolgy	02-01-2022	05-10-2022
33	190231034	KM AARZOO RATHI	E-Commerce App (E-Search)	Tycho Technologies Pvt Ltd.	1/2/2022	30/4/2022

34	190231035	KM SMRITI GUPTA	Scrum Master	Nagarro	03-09-2022	30/8/2022
35	190231036	KRISHNANAND SINGH	Internship Task	Samsung SDS	02-01-2022	30/6/2022
36	190231037	KUNVAR ABHISHEK SINGH	Greenglobe Natural Foods Customer Relationship Management	Webhub Technology	02-01-2022	30/6/2022
37	190231038	MANDAKINI SINGH	To 24/7 Shoping (Online Shopping)	Sky Base Computer Institute	02-01-2022	05-10-2022
38	190231039	MANJARY GUPTA	Food Ordering System Using PHP	Tikona Infinet Pvt Ltd.	02-01-2022	05-01-2022
39	190231040	MANJEET SINGH	Titanic3	Cognizant	18/5/2022	17/7/2022
40	190231041	MARISHA AGNIHOTRI	E-Commerce Website	Cognizant Technology Solution	18/1/2022	16/6/2022
41	190231043	MOHD UVAID	Apna Store	Webhub Technology	02-01-2022	30/6/2022
42	190231044	MOHIT YADAV	Kismat Collection (A Spin Wheel)	Dark Beans Software Pvt Ltd.	31/3/2022	30/6/2022
43	190231045	NAMAN ARORA	Internship Task	Sapphire Application Integrators Pvt. Ltd.	01-01-2022	31/5/2022
44	190231046	NANDITA SAXENA	Stanza Living	Daffodil Software Unthinkable Solutions LLP	10-04-2021	06-04-2022
45	190231047	NIKITA UPADHYAY	Home Loan	Samsung SDS	02-01-2022	30/6/2022
46	190231048	NIRAJ SINGH	Internship Task	Samsung SDS	02-01-2022	30/6/2022
47	190231049	PRAMOD KUMAR CHAUHAN	Online Parking System	Midbrains Technology Pvt. Ltd	01-03-2022	07-04-2022
48	190231050	PRINCEE GUPTA	E-Commerce Website	Webhub Technology	02-01-2022	30/6/2022
49	190231051	RAJAT DIXIT	O-Zon (Orphanage and Old age Zone	Sky Base Computer Institute	02-01-2022	05-10-2022
50	190231052	RAJAT PAL	ETL Developer	CELEBAL Technologies	01-01-2022	30/6/2022
51	190231053	RISHABH KUMAR MAURYA	Car Rental	Cosmo Info Solutions	02-05-2022	06-05-2022

52	190231054	RITESH VERMA	Online Shopping	Samsung SDS	02-01-2022	30/6/2022
53	190231056	ROHIT SHARMA	Hexaview Korporate (OMS)	Hexaview Technologies	01-05-2022	07-04-2022
54	190231057	SADAKAT ALI	Internship Task	Brabura Solutions Pvt. Ltd.	14/2/2022	07-03-2022
55	190231058	SAGARIKA JAISWAL	Sign Language to Text Conversion for Deaf and Dumb	SkyBase Technolgy	02-01-2022	05-10-2022
56	190231061	SAUMITRA BAJPAI	Market on Wheels	Cognizant	02-12-2022	08-08-2022
57	190231062	SAURABH KUMAR TRIPATHI	Internship Task	Samsung SDS	02-01-2022	30/6/2022
58	190231063	SHALINI VERMA	Online Shopping	Samsung SDS	02-01-2022	30/6/2022
59	190231064	SHAMALI GUPTA	Futuristic Technology	STUCRA Pvt Ltd.	01-01-2022	30/05/2022
60	190231065	SHIPRA	CCTV Viewer App	MobCoder	03-10-2022	06-10-2022
61	190231066	SHIVAM BANSAL	Internship Task	Samsung SDS	02-01-2022	30/6/2022
62	190231067	SHRUTI AGARWAL	Cognizant Covid Portal	Cognizant Technology Solution	22/1/2022	16/6/2022
63	190231068	SMRITI MISHRA	Internship Task	Samsung SDS	02-01-2022	30/6/2022
64	190231069	STUTI SHUKLA	Internship Task	Samsung SDS	02-01-2022	30/6/2022
65	190231070	SWAPNIL YADAV	Hand Gesture Volume Controller	SkyBase Technolgy	02-01-2022	05-10-2022
66	190231071	SYED AHMAD AZIZ	Website Design & Development	ATOS Syntel Pvt Ltd.	01-01-2022	05-03-2022
67	190231072	TUSHAR AGARWAL	Samsung SDS Chat Application	Samsung SDS	02-01-2022	30/6/2022
68	190231073	TUSHAR GUPTA	Internship Task	Samsung SDS	02-01-2022	30/6/2022
69	190231074	VEDIKA TIWARI	O-Zon (Orphanage and Old age Zone	Sky Base Computer Institute	02-01-2022	05-10-2022
70	190231076	VIRAT UPADHYAY	Invoice Management	RA Institute	15/2/2022	15/5/2022

71	190231077	VIVEK SHARMA	Internship Task	Hexaview Technologies	02-01-2022	31/7/2022
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Harcourt Butler Technical University				
Computer Science & Engineering Department				
MCA (2021-22) (Two Year Programme)-Final Year Project				
Sr. No.	Roll NO.	Group Member's Name	Project Topic	Project Supervisor
1	200231001	Aakash Gaur	Sentiment Analysis of Product based Reviews	Prof. Narendra Kohli
2	200231007	Ajay Kumar Verma		
3	200231016	Anurag Singh		
4	200231021	Ayushi Verma		
5	200231011	Akshika Mittal	Comparative Study Amazon Apparel Recommendation System	Prof. Raghuraj Singh
6	200231035	Mohd Shadab		
7	200231064	Shivangi		
8	200231075	Tuba Khan		
9	200231045	Pragati Tiwari	KARKINOS Restaurants Management System Using ML	Dr. Prabhat Verma
10	200231006	Aditya Soni		
11	200231003	Abhishek Dwivedi		
12	200231078	Vartika Jaiswal	Brain Tumor Detection Using Deep Learning Models	Dr. V.D. Kaushik
13	200231074	Sushant Baghel		
14	200231037	Navjyot Kumar		
15	200231073	Suryansh Singh		
16	200231032	Kushagra Verma	Emojifier Using CNN	Dr. V.D. Kaushik
17	200231044	Prachi Gupta		
18	200231066	Shubham Logani		
19	200231019	Avani Singh	Predicting Sales for Supermarkets	Dr. Prabhat Verma
20	200231024	Dheeraj Tiwari		
21	200231039	Nivedita Jain		
22	200231047	Pratibha Vishwakarma		
23	200231025	Gaurav Singh	Digital Learning Via Gamification	Dr. Prabhat Verma
24	200231052	Raj Kumar		
25	200231054	Riturendra		
26	200231059	Saumya Sachan		

27	200231013	Ankit Yadav	Sensor Data Fusion	Dr. Anita Yadav
28	200231028	Himanshu Kumar Jaiswal		
29	200231041	Pawan Kumar Verma		
30	200231061	Shikhar Kumar		
31	200231031	Kamal Nayan Rai	Malicious Node Detection in Wireless Network	Dr. Anita Yadav
32	200231033	Lokesh Katiyar		
33	200231046	Pranshu Katiyar		
34	200231053	Rishabh Verma		
35	200231067	Shubhanshu Maurya	Decentralized Cloud Storage with BlockChain	Dr. Anita Yadav
36	200231071	Sumit Gangwar		
37	200231057	Sanjay Chaudhary		
38	200231050	Rahul kumar Gupta		
39	200231017	Arpit chaturvedi	Customer Partnership Portal Using Cloud Technology	Prof. Narendra Kohli
40	200231018	Arpita Kashyap		
41	200231030	Kajal Kumari		
42	200231056	Sagar Gupta		
43	200231014	Anshika Pandey	Personalized Film and Television Recommendation System	Prof. Narendra Kohli
44	200231068	Sidra Zaidi		
45	200231072	Supriya Shahi		
46	200231076	Utkarsh Chaudhary		
47	200231023	Chirag Papneja	Stock Market Prediction System	Dr. Prabhat Verma
48	200231042	Prabhat Kumar Kohliyan		
49	200231012	Aman Kant Savita		
50	200231051	Rahul Mohan		
51	200231002	Abhishek Dubey	Transcatify - An E-wallet web app	Prof. Raghuraj Singh
52	200231004	Adarsh Gupta		
53	200231005	Adit Agarwal		
54	200231009	Akash Arun Gupta		
55	200231049	Rahul Gupta	Face Mask Detection & Recognition	Dr. Anita Yadav
56	200231058	Satyam Jaiswal		
57	200231040	Paras Gupta		
58	200231069	Smriti Tripathi		
59	200231027	Harshit Shukla	Emotion Detection Through Speech	Prof. Raghuraj Singh
60	200231038	Neha Singh		
61	200231043	Prabhat Kumar tiwari		
62	200231060	Sejal Soni	Study the impact	Dr. V.D. Kaushik

63	200231062	Shivam Singh	of EVs on Indian Economy	
64	200231063	Shivam Tiwari		
65	200231034	Manali Sharma	Distance Calculator App	Dr. Anita Yadav
66	200231048	Priya Katiyar		
67	200231008	Akanksha Singh		
68	200231029	Isha Agrawal		
69	200231065	Shubham Chaurasia	Health Workforce Data visualization	Prof. Narendra Kohli
70	200231036	Monisha Chaurasia		
71	200231015	Antra Tiwari		
72	200231020	Aviral Dixit		
73	200231010	Akshay Dhingra	Nifty Fifty Predictor	Dr. V.D. Kaushik
74	200231026	Harsh Bhatnagar		
75	200231055	Sachin Pratap Singh		
76	200231070	Somesh Tiwari		

User Chat Analysis using Machine Learning

A Project Report Submitted

In Partial Fulfilment of the Requirements

For the Award of the Degree of

Bachelors of Technology

In

Computer Science and Engineering

By

Harshit Jain

(Enrollment No: HBTU180104027)

Akshat Sachan

(Enrollment No: HBTU180104010)

Ashutosh Trivedi

(Enrollment No: HBTU180104018)

Ajit Jain

(Enrollment No: HBTU180104061)

Under the supervision of

Dr. Narendra Kohli

Professor

Department of Computer Science and Engineering,



To the School of Engineering

Harcourt Butler Technical University, Kanpur

(May, 2022)

SIGN LANGUAGE RECOGNITION SYSTEM

A Project Report Submitted in Partial Fulfillment of the requirements for the Award of the Degree of Bachelors of Technology in Computer Science and Engineering

Under the Supervision of-

Dr. Narendra Kohli
Head of Department
Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur

By-

Aakriti Sahrawat (180104002)
Abhinav Mehrotra (180104004)
Samyak Srivastava (180104046)
Amit Singh (180110013)



To The
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)

DRIVER DROWSINESS DETECTION SYSTEM

**A Project Report Submitted
In Partial Fulfilment of the Requirements
For the Award of the Degree of
Bachelors of Technology**

**In
Computer Science and Engineering
By**

**Garima Singh Bhadauria
(Enrollment No: HBTU180104024)**

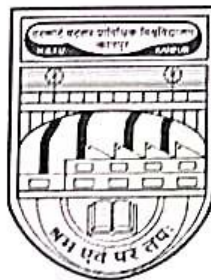
**Shivangi Dubey
(Enrollment No: HBTU180104052)**

**Vishal Anand
(Enrollment No: HBTU180104058)**

**Mokshin Koul
(Enrollment No: HBTU180104064)**

**Under the Supervision of
Dr. Raghuraj Singh
Professor**

**Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur**



**To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)**

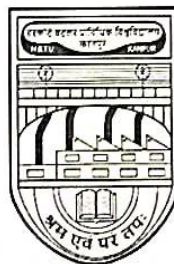
AUTOMATED DRIVER-ASSISTANCE SYSTEM

**A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Bachelors of Technology**

**In
Computer Science and Engineering**

**By
Ansh Shanker
(Enrollment No: HBTU180104015)
Arpit Malik
(Enrollment No: HBTU180104016)
Rishpreet Singh
(Enrollment No: HBTU180104041)
Utkarsh Tiwari
(Enrollment No: HBTU180104057)**

**Under the Supervision of
Dr. Raghuraj Singh
Professor
Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur**



**To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)**

Tree Born- Hear The Echo Application

A Project Report Submitted
In Partial Fulfilment of the Requirements
For the Award of the Degree of
Bachelor of Technology

In
**COMPUTER SCIENCE AND
ENGINEERING**

By
Krishnam Dhawan
(Enrollment No: HBTU180104034)

Prateek Goel
(Enrollment No: HBTU180104037)

Shivam Nehra
(Enrollment No: HBTU180104051)

Aman Singh
(Enrollment No: HBTU180104062)

Under the supervision of
Dr. Anita Yadav
Associate Professor
Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur



To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Erstwhile Harcourt Butler Technological Institute, Kanpur)

“Image Caption Generator”

A Project Report Submitted

In Partial Fulfillment of the Requirements

For the Degree of

Bachelor of Technology

In

Computer Science and Engineering

by

Vivek Verma (HBTU180104059)

Yaman Varshney (HBTU18010460)

Ishank Katiyar (HBTU180104030)

Sameer Garg (HBTU180104044)

Under the Supervision of

Dr. Anita Yadav

Associate Professor

Harcourt Butler Technical University,

Kanpur



To

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(June 2022)

**RICE GRAIN QUALITY ANALYSIS USING
IMAGE PROCESSING**

A Project Report Submitted in Partial Fulfillment of the
requirements for the Award of the Degree of Bachelors of
Technology in Computer Science and Engineering

Under the Supervision of-

Dr. PRABHAT VERMA

Assistant Professor

Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur

By-

Aditya Dixit(180104007)

Abhishek Singh(180104006)

Deepanshu(180104023)

Samir Yadav (180104045)



To The
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)

A

Project Report

on

**AUTOMATIC NUMBER PLATE
RECOGNITION SYSTEM**

Submitted in partial fulfilment of the requirement

For the award of Degree of

Bachelor of Technology

In

Computer Science and Engineering

Under the supervision of

Dr. Prabhat Verma

(Assistant Professor)

HBTU Kanpur

By:

Aakriti Kaithwas(180104001)

Vishal Singh(170104063)

Abhay(180104003)

Abhishek Kamal(180104005)



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Harcourt Butler Technical University, Kanpur, 208002
(2021-2022)**

**MUSIC RECOMMENDATION SYSTEM
BASED ON FACIAL EMOTION RECOGNITION**

A Project Report Submitted

In Partial Fulfillment of the Requirements For the Award of the Degree of

Bachelors of Technology

In

Computer Science and Engineering

By

Deepika Juneja

(Enrollment No: HBTU180110028)

Shashwat Agarwal

(Enrollment No: HBTU180104048)

Pradyumn Maurya

(Enrollment No: HBTU180105018)

Deepak Pratap Seth

(Enrollment No: HBTU180104022)

UNDER THE SUPERVISION OF

Dr. Vandana Dixit Kaushik

Assistant Professor, Department of Computer Science and Engineering

Harcourt Butler Technical University, Kanpur



To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May, 2022)

Project Report

On

LOAN APPROVAL USING MACHINE LEARNING AND DATA MINING.

Submitted in partial fulfillment of the requirement for

Degree of Bachelor of Technology in

Computer Science and Engineering

Under the supervision of

Dr. Vandana Dixit Kaushik

(Assistant Professor & Supervisor)

HBTU Kanpur

By:

Deeksha Lala (180104020)

Priyanshi Agrawal (180104038)

Sakshi Agarwal (180104043)

Stuti Saini (180104054)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

HBTU KANPUR - 208002

2021-2022

CRITIQUE

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Bachelors of Technology
In
Information Technology

By
Atul Bharti

(Enrollment No: HBTU180108009)

Divya Kumar Jaiswal

(Enrollment No: HBTU180108014)

Hemant Kumar Patel

(Enrollment No: HBTU180108016)

Sanskrati Gupta

(Enrollment No: HBTU180108025)

Under the supervision of

Dr. Narendra Kohli

Professor & Head

~~Head of Department~~

Computer Science and Engineering Department,
Harcourt Butler Technical University, Kanpur



To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May, 2022)

Indian sign language Detection using Machine Learning

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Bachelors of Technology

In
Information Technology
By

Priyakant Panwar
(Enrollment No: HBTU180108031)

Balram Verma
(Enrollment No: HBTU180108013)

Akshit Singh
(Enrollment No: HBTU180108001)

Abhay Patel
(Enrollment No: HBTU170108002)

Under the supervision of
Dr. Narendra Kohli

Professor, *2 Head*

~~Head Of The Department~~

Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur



To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(May, 2022)

**ANALYSIS OF CORONARY ARTERY
DISEASE USING VARIOUS MACHINE
LEARNING TECHNIQUES**

**A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of**

**Bachelors of Technology
In
Information Technology
By**

**Ritik Kumar Nayak
(Enrollment No: HBTU180108023)
Rishabh R. Chaudhary
(Enrollment No: HBTU180108022)
Mohak Nigam
(Enrollment No: HBTU180108019)
Rajvardhan Singh
(Enrollment No: HBTU180108021)**

**Under the supervision of
Prof.Raghuraj Singh
Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur**



**To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(June, 2022)**

Web Scraper

**A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of**

Bachelors of Technology

In

Information Technology

By

Ankesh Ojha

(Enrollment No: HBTU180108007)

Ashutosh Bhalothia

(Enrollment No: HBTU180108008)

Sachin Kumar

(Enrollment No: HBTU180108024)

Amrendra Singh

(Enrollment No: HBTU180108005)

Under the supervision of

Prof.Raghuraj Singh

**Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur**



To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May, 2022)

Cattle Care Application

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of

Bachelor of Technology

In

INFORMATION TECHNOLOGY

By

Milind Kaushal

(Enrollment No: HBTU180108018)

Divyansh Tripathi

(Enrollment No: HBTU180108015)

Saumya Rastogi

(Enrollment No: HBTU180108026)

Under the supervision of

Dr. Anita Yadav

Associate Professor

Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur



To the

School of Engineering

Harcourt Butler Technical University, Kanpur
(Erstwhile Harcourt Butler Technological Institute, Kanpur)

Emotion Recognition and Depression Detection

A Project Report Submitted

By-

Alankrita Mishra(180108002)

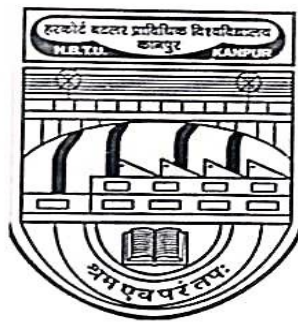
Shipra Roy(180108027)

Yukti Gangwar(180108030)

Under the supervision of-

Dr. Prabhat Verma

(Assistant Professor, Department of Computer Science and Engineering)



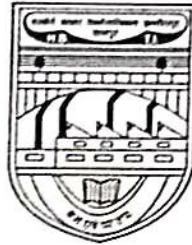
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR.

Project Report
On

STOCK MARKET PREDICTION

*Submitted
In partial fulfilment of requirements
for the degree of*

**Bachelor of Technology
IN
INFORMATION TECHNOLOGY**



By

ANKESH KUMAR (180108006)
AMIT KUMAR PATEL (180108004)
TAQUIUDDIN (180108028)
ALOK DIWEDI (180108003)

Under the supervision of

Dr. Prabhat Verma

Assistant Professor, CSE

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
H.B.T.U, KANPUR**

PROJECT SUPERVISOR

Dr. Prabhat Verma
Assistant Professor
Department of
Computer Science and Engineering

PROJECT IN-CHARGE

Dr. Raghuraj Singh
Professor
Department of
Computer Science and Engineering

Automated Rating of Online Reviews

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of

Bachelor of Technology

In
INFORMATION TECHNOLOGY

By

Rajat Aggarwal

(Enrollment No: HBTU180108032)

Vaibhav Tripathi

(Enrollment No: HBTU180108029)

Pragya Katiyar

(Enrollment No: HBTU180108020)

Kapil Kumar Dwivedi

(Enrollment No: HBTU180108017)

Under the supervision of

Dr. Vandana Dixit Kaushik

Assistant Professor

Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur



To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Erstwhile Harcourt Butler Technological Institute, Kanpur)

Personality Prediction Using CV Analysis

A Project Report Submitted

In Partial Fulfillment of the Requirements For the Award of the Degree of

Bachelors of Technology In

Information Technology

By

Avantika Singh Parihar

(Enrollment no: HBTU180108010)

Avinash Dixit

(Enrollment No: HBTU180108011)

Ayushi Jaiswal

(Enrollment No: HBTU180108012)

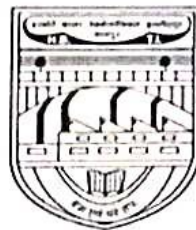
Under the supervision of

Dr. Vandana Dixit Kaushik

Assistant Professor

Department of Computer Science and Engineering,

Harcourt Butler Technical University, Kanpur



**To the
School of Engineering**

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May 2022)

Project Report
On
Health Workforce Data Visualization

Submitted in partial fulfillment of requirement for the award of

Master of Computer Applications

Under the guidance of

Dr. Narendra Kohli
(Head of Department)

By

Aviral Dixit

(Roll No. 200231020)

Antra Tiwari

(Roll No. 200231015)

Monisha Chaurasia

(Roll No. 200231036)

Shubham Chaurasia

(Roll No. 200231065)



Department of Computer Science & Information Technology

HARCOURT BUTLER TECHNICAL UNIVERSITY

Kanpur, Uttar Pradesh

Project Report
on
SENTIMENT ANALYSIS OF PRODUCT-BASED REVIEWS

Submitted in particular fulfillment of the requirement
for the degree of

MASTER OF COMPUTER APPLICATION

Under the esteemed guidance of

Prof. NARENDRA KOHLI

Professor & Head

By

AAKASH GAUR	(Roll no. 200231001)
AJAY KUMAR VERMA	(Roll no. 200231007)
ANURAG SINGH	(Roll no. 200231016)
AYUSHI VERMA	(Roll no. 200231021)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
(2022)

Comparative Study Amazon Apparel Recommendation System

Dissertation submitted in partial fulfillment of the
requirements for the degree of

Master of Computer Application (MCA)

By

Akshika Mittal (200231011)

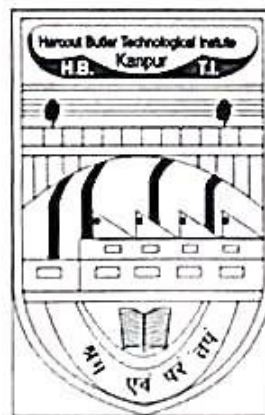
Mohd Shadab (200231035)

Tuba Khan (200231075)

Shivangi (200231064)

Under the guidance of

Prof. Raghuraj Singh



Harcourt Butler Technical University

Academic Year 2021-22

EMOTION DETECTION THROUGH SPEECH

A Project Report Submitted
In Partial Fulfilment of the Requirements
For the Award of the Degree of
MASTER OF COMPUTER APPLICATION

In
Computer Science

By
Neha Singh
(Enrollment No: HBTU200231038)
Harshit Shukla
(Enrollment No: HBTU200231027)
Prabhat Kumar Tiwari
(Enrollment No: HBTU200231043)

Under the supervision of
Dr. Raghuraj Singh
Professor
Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur



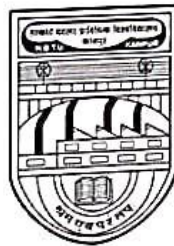
To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)

A project Report
ON
Malicious Node Detection in Wireless Network
MASTER OF COMPUTER APPLICATIONS

Submitted By:

Lokesh Katiyar (200231033)
Kamal Nayan Rai (200231031)
Pransu Katiyar (200231046)
Rishabh Verma (200231053)

Under the Guidance of
Dr. Anita Yadav
(Associate Professor)



HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR, 208002, U.P.

Distance Calculator App

Dissertation submitted in partial fulfillment of the requirements for the
degree of

MASTER OF COMPUTER APPLICATIONS

By

Manali Sharma (200231034)

Akanksha Singh (200231008)

Priya Katiyar (200231048)

Isha Agrawal (200231029)

Under the esteemed guidance of

Dr. Anita Yadav



HARCOURT BUTLER TECHNICAL UNIVERSITY KANPUR, 208002, INDIA

MAY 2022

SALES PREDICTION OF SUPERMARKET

Project Report Submitted in Partial Fulfillment of the
Requirement for the Degree of

**MASTER OF COMPUTER APPLICATION
2020-2022**

Under the guidance of

Prof. Prabhat Verma

By:

Nivedita Jain (200231039) / 06

Avani Singh (200231019) / 06

Pratibha Vishwakarma (200231047) / 06

Dheeraj Tiwari (200231024) / 06



**Department of Computer Science and Engineering
Harcourt Butler Technical University
Kanpur, U.P**

**PROJECT REPORT
ON
STOCK PRICE PREDICTION SYSTEM**

Submitted in the Partial fulfilment
of requirement for the award of

**MASTER OF COMPUTER
APPLICATION**

**Under the guidance of
Dr. Prabhat Verma
(Professor CSE Department)**

Aman Kant Savita

(Roll no. 200231012)

Chirag Papneja

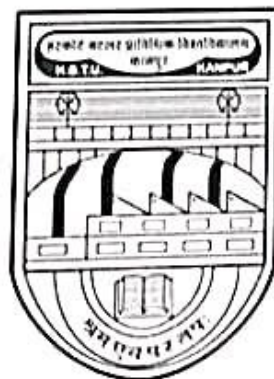
(Roll no. 200231023)

Prabhat Kumar Kohliyan

(Roll no. 200231042)

Rahul Mohan

(Roll no. 200231051)



**Department of Computer Science and Engineering
Harcourt Butler Technical University
June 2022**

EMOJIFIER USING CNN



A project report submitted to
Harcourt Butler Technical University

Kanpur, U.P.

towards partial fulfilment of
the degree of

MASTER OF COMPUTER APPLICATION
2020-2022

Guided by:

Dr. V.D. Kaushik
Assistant Professor
C.S.E. Department

Submitted by:

Shubham Logani (200231066)
Prachi Gupta (200231044)
Kushagra Verma (200231032)

Submitted to:

Dr. Anita Yadav
Associate Professor
C.S.E. Department

KARKINOS

Brain Tumor Detection Using Deep Learning Models

Dissertation submitted in partial fulfillment of the
requirements for the degree of

MASTER OF COMPUTER APPLICATION

By

Vartika Jaiswal (200231078)

Sushant Baghel (200231074)

Navjyot Kumar (200231037)

Suryansh Singh (200231073)

Under the esteemed guidance of

Dr. V.D. Kaushik

Assistant Professor



Department of Computer Science and Engineering
Harcourt Butler Technical University

Kanpur, U.P.

Session: 2020-2022

Internship Report

A Project Report Submitted

In Partial Fulfillment of the Requirements for the Award of the Degree of

Master of Computer Application (MCA)

(2019-2022)

By

ANSHIKA GOVIL

(Enrollment Number: HBTU190231012)

Under the supervision of

SAMSUNG DATA SYSTEMS INDIA PVT. LTD.



To The

School of Engineering

Harcourt Butler Technical University, Kanpur

(June,2022)

CERTIFICATE OF INTERNSHIP

Sender : Anuj Sharma <s.anuj@samsung.com> Professional/HR Group/SDS India

Date : 2022-05-18 13:13 (GMT+5:30)

Title : Samsung Data Systems - Interns Candidate Status - Harcourt butler technical university (HBTU)

To : null<Placement@hbtu.ac.in>

CC : Suresh Chander<s.chander@samsung.com>

Dear TPO,

Hope you're doing good..!

Please refer the below table -

S.No.	Name	Institute	Degree	Branch	Mobile	Email Address	Start Date	Internship End
28	Anshika Govil	HBTU	B.Tech	Computer Application	8743939908	govilanshika2@gmail.com	Feb 01, 2022	June 30, 2022

Regards

Anuj Sharma

Human Resource / Manager

Samsung Data Systems India Private Limited

T +91-124-410-1234, M +91-90-1575-5566

E s.anuj@samsung.com

in: [linkedin.com/in/anujlinkin/](https://www.linkedin.com/in/anujlinkin/)

<https://www.samsungsds.com/india/en/>

Internship's Tasks

A Project Report Submitted

In Partial Fulfilment of the Requirements for the Award of the Degree of

Master of Computer Application

(2019-2022)

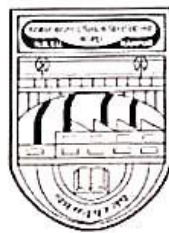
By

Deepak Mishra

(Enrolment No: HBTU190231024)

Under the Supervision of

Mr. Chintan Gupta



School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

Academic Year: 2021-2022

CERTIFICATE



Date: 07/05/2022

To Whom It May Concern:

This is to certify that Deepak Mishra S/O Mr. Ganga Sagar Mishra who is the student of MCA final Uyear (Roll Number: 190231024) from Harcourt Butler Technical University, Kanpur has done his Internship Program from Our Organization HP Internship India From 05 Feb 2022 to 05 July 2022 in Kanpur.

His Internship is based on **Java**.

During the internship period Deepak Mishra has shown keen interest in project development and analysis phase and to the best of our knowledge. He has shown sound knowledge of the subject and has good grasping power.

For HP Internship India

Mr. Chintan Gupta

(Project Manager)

www.InternshipIndia.in

Internship's Tasks

A Project Report Submitted
In Partial Fulfillment of Requirements
For the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Arpit Raghubansi

(Enrolment No: HBTU190231013)

Under the Supervision of

Mr. Prateek Das Gupta
Mrs. Rekha Satyanath



To the
School of Engineering

Harcourt Butler Technical University, Kanpur

June, 2022

Internship Certificate

December 9, 2021

IBM India Private Limited
Manyata Embassy Business Park,
G2 Block, Nagwara Outer Ring Road,
Bangalore - 560045, India.
Tel : 91-80-49139999
<http://www-07.ibm.com/in/careers/>

Dear Arpit Amresh Raghubansi

We are pleased to offer you a permission letter for project training as an Intern from January 12, 2022 to July 11, 2022. During your Internship assignment, you will be working on the assignment at Gurgaon [REDACTED]. You will report to Dasgupta, Prateek (pratdasg@in.ibm.com) in Gurgaon. At the end of the internship, you will submit a copy of your report to the Company. You may contact your manager for further guidance on your project.



Internship's Tasks

A Project Report Submitted

In Partial Fulfilment of Requirements for the Award of the
Degree of

Master of Computers Application

(2019-2022)

By

Smriti Gupta

(Enrollment No: HBTU190231035)

Under the Supervision of

Nagarro (*thinking break through*), **Gurgaon.**

Mr.OM Prakash
Miss Parul Parmar



School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute,
Kanpur)

(June 2022)

CERTIFICATE



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Smriti Gupta** joined Nagarro Software Pvt. Ltd. on 09th March, 2022 for a six-month training. She has been working on Java language and her performance has been satisfactory.

Her project is handled by Swati Yadav from the People Enablement team.

Swati Yadav
Director, People
EnablementNagarro
Software Pvt. Ltd.

SMART PLANNING AND EXECUTION APP PROCESS DOCUMENT

A Project Report Submitted

In Partial Fulfilment of the Requirements for the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Kajul Sharma

(Enrollment No: HBTU190231032)

Under the Supervision of

Mr. Sumit Dwivedi



School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute,
Kanpur)


June 4, 2022

TO WHOMSOEVER IT MAY CONCERN

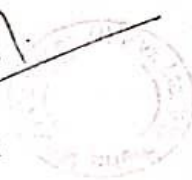
This is to certify the Ms. Kajul Sharma of MCA - Harcourt Butler Technical University, Kanpur is doing internship at Yamaha Motor Solutions India Ltd. since 14th February 2022.

For,

Yamaha Motor Solutions India Pvt Ltd



Nagendra Rawat
DGM - HR



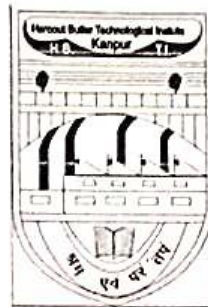
ONLINE PARKING SYSTEM

A Project Report

Submitted in fulfilment of the
Requirement for the award of the degree of

Master of Computer Applications
(Batch 2019- 2022)

To



By

Pramod Kumar Chauhan (190231049)

**Under the Supervision
Of**

Mr. Shubham Yadav

CERTIFICATE



MIDBRAINS TECHNOLOGIES

Address

2nd floor, Uttam Shanti
building above Yamaha
Showroom near Pandit
Petrol Pump Dange chowk,
Hinjewadi, Pune,
Maharashtra 411033

Email

info@midbrains.in

Website

www.midbrains.in

Offer Letter

Date: 31/12/2021

Dear Pramod Kumar Chauhan,

We refer to the discussions held with you earlier and take pleasure in offering you as a **Full Stack Developer Intern** in our organization. You are requested to join us on 03-January-2022. Your job specifications will be provided to you separately.

We shall be offering you internship duration of 6 months with no stipend as discussed mutually at the time of interview you had with us. All other benefits will be as per the existing policy of an organization for which you will be entitled upon your joining the organization.

This appointment is offered to you based on the information provided by you in writing and during the course of subsequent correspondence and meetings. In the event of any of the information being proved to be incorrect, the organization will view it seriously and take appropriate action.

We look forward to a very rewarding mutual relationship to the benefit of yourself and the company.

Yours faithfully,

A handwritten signature in black ink, appearing to read "Arun", written over a horizontal line.

HR Department



Internship's Tasks

A Project Report Submitted

In Partial Fulfillment of the Requirements For the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Rajat Pal

(Enrollment No: HBTU190231052)

Under the Supervision of

Ms. Nainshree Joshi



School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

June 4 , 2022



✉ hr@celebaltech.com
enterprisesales@celebaltech.com

🌐 www.celebaltech.com

☎ 0141-4700659

📍 India: A-2 7th floor, UDB Corporate Tower, J.L.N. Marg, Jaipur

STRICTLY CONFIDENTIAL

Dated: 31st May, 2022

Ongoing Internship Certificate

To Whomsoever It May Concern

This is to certify that **Rajat Pal** had undertaken Internship with Celebal Technologies, Jaipur, starting from 1st January 2022 in **Big Data & EDW** Department.

During his 5 months of Internship, he was working under the mentorship of **Ms. Nainshree Joshi**.

Best Regards

Tejal

Tejal Mangal
Sr. Executive
Human Resources
Celebal Technologies

Project Report

Submitted

In Partial Fulfilment of the Requirements for the Award of the Degree of

Master of Computer Application (MCA)

(2019-2022)

By

Aarzoo Rathi

(Enrolment No: HBTU190231034)

Under the Supervision of

Mr Praveen Jaiswal



Harcourt Butler Technical University, Kanpur

Certificate of Internship



Date: 02nd May 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Aarzo Rath Roll No:- 190231034, a student of Master of Computer Application from Harcourt Butler Technical University Kanpur, has successfully completed her 3 months (01 Feb to 30 Apr) long internship at Tycho Technologies Pvt. Ltd.

During her internship she has worked on the project entitled "E-commerce" for Flutter Development the work responsibilities performed by Ms. Aarzo Rath was to develop Frontend, the project developed for Android and iOS device. It is original work done by Ms. Aarzo Rath under the guidance of Mr. Praveen Jaiswal.

We wish her success in life.

Warm Regards,

Nidhi Singh

Co-Founder

Tycho Technologies Pvt. Ltd.

Tycho Technologies Pvt. Ltd.

802 Basement, H-1E2 Sec-63, Noida 201309, Mobile: 9650982383

Municipal Corporation Online Complaint Handling Process

A Project Report Submitted

In Partial Fulfillment of the Requirements

for the Award of the Degree of

Master Of Computer Application

(2019-22)

By:

ASHUTOSH TRIPATHI

(Enrollment No. HBTU190231016)

Under the Supervision of

Mr. Sanjay Shelar



HBTU Kanpur

Harcourt Butler Technical University

To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(June, 2022)



WEBHUB TECHNOLOGY
Soft Solutions for the Hard Problems

Office Address: 04th floor, S. M. Tower, Above Jijamata bank, Karvenagar, Pune-411052.
E-mail: info@webhub.co.in Website: www.webhub.co.in

REF: INT-webhub295-2022

Date: 02/06/2022

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Ashutosh Tripathi** student of MCA from **Harcourt Butler Technical University** has successfully completed a project on "**Municipal Corporation Online Complaint Handling Process**" as a partial fulfillment of requirement towards 06th semester of his MCA program.

Duration- 02nd Feb 2022 to Till Completion.

Technology- Java and MYSQL.

During the period of internship with us he was found punctual, hardworking and inquisitive.

As abided by intellectual property and confidentiality policy of Webhub Technology Pune. He is unable to produce the source code of above mentioned project.

We wish his every success in life.




YOURS SINCERELY,

FOR WEBHUB TECHNOLOGY PUNE

www.webhub.co.in

SIGN LANGUAGE TO TEXT CONVERSION FOR
DEAF AND DUMB

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Master of Computer Application
(2019-2022)

By

Sagarika Jaiswal

(Enrollment No: HBTU190231058)

Under the Supervision of

Mr. Arjun Tiwari

Mr. Ritesh Sachan



To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June 4, 2022)

SKY BASE



Regd. By U.P. Govt.
Regd. No.-K-816

ISO 9001:2008
CERT No:GACB1955

2/5, (M.I.G) BARRA-7, KANPUR
Ph. : 0512-3291639
Mo. : 9889999106

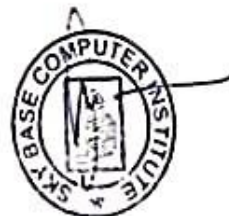
TO WHOM SO EVER IT MAY CONCERN

This is to certify that Miss. Sagarika Jaiswal has completed a supervised and mentored internship as an intern at Sky Base Computer Institute.

Duration – three months from 1st Feb 2022 to 10th May, 2022.

She has majorly worked on various machine learning & deep learning algorithms. During her internship period she was exposed to various processes and was found sincere, hard-working technically sound and result oriented.

Her association with us is much appreciated and we wish her all the best her future endeavors.



COW DUNG BASED PAINT

A TECHNO-ECONOMIC FEASIBILITY REPORT

Submitted in partial fulfillment of the requirements

for the award of the degree of

BACHELOR OF TECHNOLOGY

in

PAINT TECHNOLOGY

by

Adhish Srivastav (180113004)

Dev Tiwari (180113007)

Jaya (180113012)

Under the supervision of

DR. P.K KAMANI



DEPARTMENT OF PAINT TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR, INDIA (208002)

WATER BASED THERMOPLASTIC ROAD MARKING PAINT

A TECHNO FEASIBILITY REPORT

Submitted in partial fulfillment of requirements

for the degree of

BACHELOR OF TECHNOLOGY

CHEMICAL TECHNOLOGY- PAINT TECHNOLOGY

BY

Yash Shori (SR NO. 180113030)

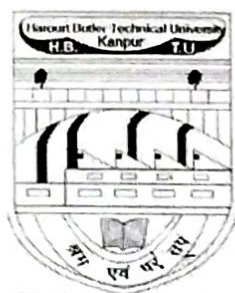
Shikhar Verma (SR NO. 180113023)

Mo Gulfam (SR NO. 180113013)

UNDER THE SUPERVISION OF

DR. PRAMOD KUMAR KAMANI

PROFESSOR, DEPARTMENT OF PAINT TECHNOLOGY



TO

THE DEPARTMENT OF PAINT TECHNOLOGY

SCHOOL OF CHEMICAL TECHNOLOGY

HARCOURT BUTLER TECHNICAL UNIVERSITY

KANPUR-208002

COLOURED NITRO-CELLULOSE LACQUER

A TECHNO-ECONOMIC FEASIBILITY REPORT

Submitted in partial fulfillment of the requirements for the award of the
degree of

BACHELOR OF TECHNOLOGY

in

PAINT TECHNOLOGY

By

Harshit Mishra (180113010)

Jagrati Sachan (180113011)

Rajat Saini (180113018)

Under the supervision of

Mr. M.I. Khan



DEPARTMENT OF PAINT TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR, INDIA (208002)

STYRENE-ACRYLIC EMULSION FLOOR COATING

A TECHNO-ECONOMIC FEASIBILITY REPORT

Submitted in partial fulfillment of the requirements

for the award of the degree of
BACHELOR OF TECHNOLOGY

in

PAINT TECHNOLOGY

by

Abhishek Singh (180113003)

Shyam Singh (1604585028)

Mohd Ubaish Khan (180113015)

Under the supervision of

Dr. Arun Maithani

Professor & Head, Department of Paint Technology



DEPARTMENT OF PAINT TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR, INDIA (208002)

**A Project Report
On
CNSL RESIN BASED PAINTS**

Submitted in partial fulfilment of requirements
for the degree of

**BACHELOR OF TECHNOLOGY
CHEMICAL TECHNOLOGY-PAINT TECHNOLOGY
BY**

UTKARSH TRIPATHI
(University roll no. 180113028)

UDDHAV DUBEY
(University roll no. 180113025)

UTKARSH BAJPAI
(University roll no. 180113027)

Under the supervision of

Mr. Ghanshyam
Guest Faculty, Department of Paint Technology



To

**THE DEPARTMENT OF PAINT TECHNOLOGY
SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR, INDIA-208002
2021-2022**

NITROCELLULOSE BASED WOOD SEALER
A TECHNO-ECONOMIC FEASIBILITY REPORT
Submitted in partial fulfillment of the requirements for the
award of the degree of
BACHELOR OF TECHNOLOGY

in

PAINT TECHNOLOGY

by

Sanjeev Pratap Rao (180113020)

Deepesh Singh(180113006)

Praveen kumar (170113018)

Mohd. Aakib (180113014)

Under the supervision of Mr.


M.I.Khan



DEPARTMENT OF PAINT TECHNOLOGY HARCOURT
BUTLER TECHNICAL UNIVERSITY KANPUR, INDIA
(208002)

List of B.Tech. Project Academic Session 2021-22

Sr. No.	Roll No.	Name of Student	Topic of Project	Project guide
1	180105014	Kirtika Agrawal	Regenerative Braking System of Electric Vehicle Driven by brushless D. C. Motor	Dr. Yaduvir Singh
2	180105021	Ragini Mishra		
3	180105026	Shreya Tiwari		
4	180105034	Shiksha Dwivedi		
5	180105028	Suraj Singh	Smart Energy Meter using GSM	Dr. Yaduvir Singh
6	180105016	Nikhil Kumar Yadav		
7	180105003	Alka Rao	Model Order Reduction of Bilinear Systems	Mr. C.N. Singh
8	180105008	Ayush Singh		
9	180105025	Shambhavi Singh		
10	180105027	Siddarth Sharma		
11	180105007	Apoorva Srivastava	Power Factor Improvement of 3 phase Squirrel Cage Induction Generator Using Variable Capacitor Bank	Mr. Jameel Ahamad
12	180105009	Deepak Kumar		
13	180105010	Humaid Ali Ansari		
14	180105030	Utkarsh Rastogi		
15	180105012	Jyoti Yadav	Face Recognition using Convolution Neural Network	Dr. Yaduvir Singh
16	180105013	Krati Bharti		
17	180105017	Nikita Devi		
18	180105019	Pragya Yadav		
19	170105006	Ankit Singh	Reactive Power Compensation using Static Synchronous Series Compensator	Dr. Archana Singh
20	180105006	Anupam Yadav		
21	180105022	Rakesh Yadav		
22	180105031	Vimlesh Kumar Maurya		
23	180105002	Akash Deep Yadav	Simulation of Linear controller of STATCOM for Reactive Power Compensation	Dr. Archana Singh
24	180105005	Anil Kumar		
25	180105020	Prateek Verma		
26	180105032	Vipin Kumar Chaudhary		
27	180105011	Ishu Anand	Optimal Distributed Generation Allocation & Sizing in Distribution Systems using Artificial BEE Colony Algorithm	Mr. Jameel Ahamad
28	180105024	Sahil Gupta		
29	180105033	Yuvraj Singh		
30	180105035	Shivam Tiwari		
31	180105004	Aniket Verma	Observer Based Control of Linear System	Mr. C.N. Singh
32	180105015	Mranal Bhikshu		
33	180105029	Surya Prakash		
34	180107023	Ritwik Singh		


 (C. N. Singh)
 Incharge, B.Tech. Project
 E&E, SoE, HBTU Kanpur


 V.K. Dwivedi
 Head, Electrical Engineering Department
 School of Engineering
 H.B.T.U. Kanpur-208007

PROJECT REPORT
ON
OBSERVER BASED CONTROL FOR LINEAR SYSTEM

Submitted
In partial fulfillment of the
requirements for the Degree of

Bachelor of Technology
In
ELECTRICAL ENGINEERING



By

ANIKET VERMA (180105004)
MRANAL BHIKSHU (180105015)
SURYA PRAKASH (180105029)
RITWIK SINGH (180107023)

Final B.Tech Electrical Engineering

Under the Guidance of

Mr. C.N. Singh
Associate Professor

DEPARTMENT OF ELECTRICAL ENGINEERING

Harcourt Butler Technical University, Kanpur

PROJECT GUIDE

Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering
School of Engineering
H. B. T. U. Kanpur

PROJECT IN-CHARGE

Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering
School of Engineering
H. B. T. U. Kanpur

CANDIDATE DECLARATION

This is to certify that the Project report which has been presented here entitled "**Observer Based Control of Linear System**" in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology and submitted to the Department of Electrical Engineering of H.B.T.U. Kanpur is an authentic record of our own work carried out under the guidance of **Mr. C. N. Singh**, Associate Professor, Department of Electrical Engineering, School of Engineering, H. B.T.U. Kanpur.

The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Aniket Verma ANIKET VERMA (180105004)
Mranal Bhikshu MRANAL BHIKSHU (180105015)
Surya Prakash SURYA PRAKASH (180105029)
Ritwik Singh RITWIK SINGH (180107023)

Final B.Tech. Electrical Engineering

This is certify that the above statement made by the candidates is correct to the best of my knowledge.

Date: 12/07/2022

C.N. Singh
(C. N. Singh)

Project Guide

PROJECT REPORT
ON
MODEL ORDER REDUCTION OF BILINEAR SYSTEMS
Submitted
In partial fulfilment of the requirements
for the Degree of

Bachelor of Technology
In
ELECTRICAL ENGINEERING



By
ALKA RAO (180105003)
AYUSH SINGH (180105008)
SHAMBHAVI SINGH (180105025)
SIDDHARTH SHARMA (180105027)
Final B.Tech. Electrical Engineering
Under the Guidance of
Mr. C. N. Singh
Associate Professor
Department of Electrical Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

PROJECT GUIDE
Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering

PROJECT IN-CHARGE
Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering

CANDIDATE'S DECLARATION

This is to certify that the project report which has been presented here entitled "Model Order Reduction of Bilinear Systems" in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology and submitted in the Department of Electrical Engineering of H.B.T.U. Kanpur is an authentic record of our own work carried out under the guidance of Mr. C. N. Singh, Associate Professor, Department of Electrical Engineering, H.B.T.U. Kanpur.

The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Alka ALKA RAO (180105003)
Ayush Singh AYUSH SINGH (180105008)
Shambhavi SHAMBHAVI SINGH (180105025)
Siddharth SIDDHARTH SHARMA (180105027)
Final B.Tech. Electrical Engineering

This is to certify that the above statement made by the candidate is correct to the best of my knowledge.

Date: 29/06/2022

C.N. Singh
(C. N. Singh)

Project Guide

PROJECT REPORT
on
FACE RECOGNITION USING CONVOLUTION NEURAL NETWORK

Submitted in partial fulfillment of the requirements for the Degree of

Bachelor of Technology
in
Electrical Engineering



by

Jyoti Yadav (180105012)
Kratu Bharti (180105013)
Nikita Devi (180105017)
Pragya Yadav (180105019)

Final B.Tech Electrical Engineering
Under the Guidance of
Dr. Yaduvir Singh
Professor
Department of Electrical Engineering

Harcourt Butler Technical University, Kanpur

PROJECT GUIDE

Dr. Yaduvir Singh
Professor
Dept. of Electrical Engineering

PROJECT IN-CHARGE

Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering

CANDIDATE DECLARATION

This is to certify that the Project report which has been presented here entitled "Face Recognition Using Convolution Neural Network", is in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology and submitted in the Department of Electrical Engineering, H.B.T.U. Kanpur, is an authentic record of our own work carried out under the guidance of Prof.(Dr.)Yaduvir Singh, Professor, Harcourt Butler Technical University, Kanpur.

The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Jyoti Jyoti Yadav/180105012

Kratu Bharti Kratu Bharti/180105013

Nikita Nikita Devi/180105017

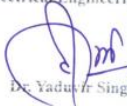
Pragya Pragya Yadav/180105019

Final B.Tech Electrical Engineering

This is to certify that the above statement is made by the candidates.

Date: 29-06-2022

Place: EED, HBTU, Kanpur

 30.06.2022
Dr. Yaduvir Singh

(Project Guide)

PROJECT REPORT
ON
SMART ENERGY METER USING GSM
Submitted
In partial fulfilment of the requirements
for the Degree of

Bachelor of Technology
In
ELECTRICAL ENGINEERING



By
SURAJ SINGH (180105028)
NIKHIL KUMAR YADAV (180105016)
Final B.Tech. Electrical Engineering
Under the Guidance of
Dr. Yaduvir Singh
Professor
Department of Electrical Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY KANPUR

PROJECT GUIDE
Dr. Yaduvir Singh
Professor
Dept. of Electrical Engineering

PROJECT IN-CHARGE
Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering

CANDIDATE DECLARATION

This is to certify that project report which has been presented here entitled "Smart Energy Meter Using GSM" in partial fulfilment of the requirements for the award of the Degree of Bachelor of Technology and submitted in the Department of Electrical Engineering of H.B.T.U. Kanpur is an authentic record of our own work carried under the guidance of Dr. Yaduvir Singh, Department of Electrical Engineering, H.B.T.U. Kanpur.

The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Suraj Singh

Suraj Singh (180105028)

Nikhil Kumar Yadav (180105016)

Final B. tech Electrical Engineering

~~This is to certify that the~~ Above statement is made by the candidate.

Date: 29/06/2022

Y. Singh
29.06.2022
Dr. Yaduvir Singh

(Project Guide)

PROJECT REPORT
ON
OPTIMAL DISTRIBUTED GENERATION ALLOCATION AND SIZING IN
DISTRIBUTION SYSTEMS USING ARTIFICIAL BEE COLONY ALGORITHM

Submitted
In partial fulfillment of the requirements
for the Degree of

Bachelor of Technology

In
ELECTRICAL ENGINEERING



By
ISHU ANAND (180105011)
SAHIL GUPTA (180105024)
YUVRAJ SINGH (180105033)
SHIVAM TIWARI (180105035)
Final B.Tech. Electrical Engineering
Under the Guidance of
Mr. JAMEEL AHAMAD
Associate Professor
Department of Electrical Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR





PROJECT GUIDE
Mr. Jameel Ahamad
Associate Professor
Dept. of Electrical Engineering

PROJECT IN-CHARGE
Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering

CANDIDATE DECLARATION

This is to declare that the project progress report which has been presented here entitled "Optimal Distributed Generation Allocation and sizing in Distribution Systems by using Artificial Bee Colony Algorithm" in partial fulfillment of the requirements for the award of the Degree of Bachelor of Technology and submitted in the Department of Electrical Engineering of H.B.T.U. Kanpur is an authentic record of our own work carried under the guidance of Mr. Jameel Ahamad, Associate Professor, Department of Electrical Engineering, H.B.T.U. Kanpur.

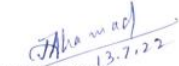
The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.


Ishu Anand (180105011)

Sahil Gupta (180105024)

Yuvraj Singh (180105033)

Shivam Tiwari (180105035)

Final B.Tech Electrical Engineering

The above statement is made by the candidates.

Date: 13/07/2022


Mr. Jameel Ahamad
Associate Professor

Department of Electrical Engineering
H.B.T.U Kanpur

PROJECT REPORT
ON
POWER FACTOR IMPROVEMENT OF THREE PHASE SQUIRREL CAGE INDUCTION
GENERATOR USING VARIABLE CAPACITOR BANK

Submitted
In partial fulfillment of the requirements
for the Degree of

Bachelor of Technology
In
ELECTRICAL ENGINEERING



By
APOORV SRIVASTAVA (Roll No.: 180105007)
DEEPAK KUMAR (Roll No.: 180105009)
HUMAI ALI ANSARI (Roll No.: 180105010)
UTKARSH RASTOGI (Roll No.: 180105030)

Final B.Tech. Electrical Engineering

Under the Guidance of

Mr. Jameel Ahamad

Associate Professor

Department of Electrical Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING
HARCOUT BUTLER TECHNICAL UNIVERSITY, KANPUR

PROJECT GUIDE

Mr. Jameel Ahamad

Associate Professor

Dept. of Electrical Engineering

PROJECT IN-CHARGE

Mr. C. N. Singh

Associate Professor

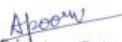
Dept. of Electrical Engineering

CANDIDATE DECLARATION

This is to declare that the report which has been presented here entitled "Power Factor Improvement of Three Phase Squirrel Cage Induction Generator using Variable Capacitor Bank" in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology and submitted in the Department of Electrical Engineering of H.B.T.U., Kanpur is an authentic record of our own work carried out under the guidance of Mr. Jameel Ahamad, Associate Professor, the Department of Electrical Engineering of H.B.T.U., Kanpur.


The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Date:


Apoorv Srivastava (Roll no.: 180105007)

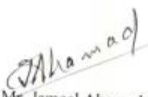

Deepak Kumar (Roll no.: 180105009)


Humaid Ali Ansari (Roll no.: 180105010)


Utkarsh Rastogi (Roll no.: 180105030)

Final B. Tech Electrical Engineering

The above statement is made by the students.


Mr. Jameel Ahamad
Associate Professor
Department of Electrical Engineering
H.B.T.U. Kanpur

PROJECT REPORT
ON
Simulation of Linear Controller of STATCOM for Reactive Power Compensation
Submitted
In partial fulfillment of the requirements
for the Degree of

Bachelor of Technology
In
ELECTRICAL ENGINEERING



By
AKASHDEEP YADAV (180105002)
ANIL KUMAR (180105005)
PRATEEK VERMA (180105020)
VIPIN KUMAR CHAUDHARY (180105032)

Under the Guidance of
Dr. Archana Singh
Associate Professor

Department of Electrical Engineering

DEPARTMENT OF ELECTRICAL ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

PROJECT GUIDE
Dr. Archana Singh
Associate Professor
Dept. of Electrical Engineering

PROJECT IN-CHARGE
Mr. C.N. Singh
Associate Professor
Dept. of Electrical Engineering

CANDIDATE DECLARATION

This is to certify that the report which has been presented here entitled "Simulation of Linear Controller of STATCOM for Reactive Power Compensation" in partial fulfillment of the requirements for the award of the degree of Bachelor of Technology and submitted in the Department of Electrical Engineering of H.B.T.U., Kanpur is an authentic record of our own work carried out under the guidance of Dr. Archana Singh, Associate Professor, the Department of Electrical Engineering of H.B.T.U., Kanpur.

The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Akashdeep
Akashdeep Yadav (180105002)

Anil Kumar
Anil Kumar (180105005)

Prateek
Prateek Verma (180105020)

Vipin Kumar
Vipin Kumar Chaudhary (180105032)

Final B. Tech Electrical Engineering

This is to certify that the above statement made by the candidates is correct to the best of my knowledge.

Date: 29/06/2022

Dr Archana Singh
Dr Archana Singh
(Project Guide)

**A
PROJECT WORK
ON
DEVELOPMENT OF OLEOGEL AS A COCOA BUTTER REPLACER
IN CHOCOLATE**

**SUBMITTED TO
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
CHEMICAL TECHNOLOGY
WITH SPECIALIZATION IN FOOD TECHNOLOGY**

**BY
ABHISHEK KUMAR (ROLL NO. 180107003)
ADITYA SINGH (ROLL NO. 180107005)
AKASH JAISWAL (ROLL NO. 180107006)
AMAN KUMAR (ROLL NO. 180107007)**

**UNDER THE SUPERVISION OF: -
DR. PANKAJ JHA**



**DEPARTMENT OF FOOD TECHNOLOGY
SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR – 208002 (UP) INDIA
2021-22**



हरकाटे बटलर प्राविधिक विश्वविद्यालय
नवाबगंज, कानपुर-208002, उ०प्र० (भारत)
Harcourt Butler Technical University
Nawabganj, Kanpur-208002, U.P. (INDIA)

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone: +91-0512-2534001-5, Fax: +91-0512-2533812, Website: <http://www.hbtu.ac.in> E-mail: vc@hbtu.ac.in

DEPARTMENT OF FOOD TECHNOLOGY

CERTIFICATE

This is to certify that Mr. **ABHISHEK KUMAR**, Mr. **ADITYA SINGH**, Mr. **AKASH JAISWAL** and Mr. **AMAN KUMAR** a student of B. Tech. Chemical Technology (with specialization in Food Technology) has worked under our supervision and guidance for the completion of his project report entitled "**DEVELOPMENT OF OLEOGEL AS A COCOA BUTTER REPLACER IN CHOCOLATE**" during the session 2021-2022.

He took keen interest in experimental work showing enthusiasm towards thorough and comprehensive study in preparation of this project report. We wish him a bright future and success all through his career.

(Dr. Pankaj Jha)

Guest Faculty

Department of Food Technology

School of Chemical Technology

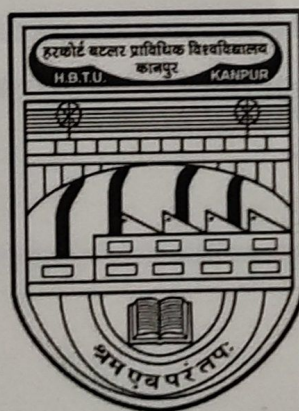
HBTU, Kanpur-208002

**A PROJECT REPORT
ON
STUDY OF CHOCOLATE BLOOM AND IT'S CONTROL**

**THE PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE
THE DEGREE OF BACHELOR OF TECHNOLOGY
IN
CHEMICAL TECHNOLOGY WITH SPECILIZATION
IN
FOOD TECHNOLOGY**

SUBMITTED BY:

**Aanya Tyagi 180107010
Ashish Kumar Yadav 180107012
Atul Kumar 180107013
Raj Choudhary 180107021**



**UNDER THE SUPERVISION OF
DR. PANKAJ JHA
DEPARTMENT OF FOOD TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR 208002
2021-202**



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
नवाबगंज, कानपुर-208002, उ०प्र०, (भारत)
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DEPARTMENT OF FOOD TECHNOLOGY

CERTIFICATE

This is to certify that **Ms. Aanya Tyagi , Mr. Ashish Kumar Yadav, Mr. Atul Kumar** and **Mr. Raj Choudhary**, students of Final B.Tech Chemical Technology with specialization in Food Technology have worked under my supervision and guidance for the completion of their project entitle “**STUDY OF CHOCOLATE BLOOM AND IT’S CONTROL**” during the session 2021-2022

They took keen interest in experimental work showing enthusiasm towards thorough and comprehensive study in preparation of this project report.

I wish them a bright future and success all through their career.

(Dr. Pankaj Jha)

Assistant Professor Supervisor
Department of Food Technology
H.B.T.U.

Date: 01/07/2022

Place: Kanpur

**A
RESEARCH PROJECT
ON
EFFECTS OF ROASTING ON QUALITY OF PEANUTS
SUBMITTED TO
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
CHEMICAL TECHNOLOGY
WITH SPECIALIZATION IN FOOD TECHNOLOGY**

**By
RADHIKA AGARWAL (Roll No. 180107021)
PRIYANSHU SRIVASTAV (Roll No. 180107020)
PAWAN SHARMA (Roll No. 180107018)
SHIVAM ANAND (180107026)**

**Under the supervision of
Dr. VIVEK KUMAR**



**DEPARTMENT OF FOOD TECHNOLOGY
SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR-208002 (U.P.) INDIA
2021-22**



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर-208002, उ०प्र०, (भारत)

Harcourt Butler Technical University

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DEPARTMENT OF FOOD TECHNOLOGY

CERTIFICATE

This is to certify that Ms. **RADHIKA AGARWAL** , Mr. **PRIYANSHU SRIVASTAV**, Mr. **PAWAN SHARMA** , Mr. **SHIVAM ANAND** a student of B. Tech. Chemical Technology (with specialization in Food Technology) has worked under my supervision and guidance for the completion of her dissertation report entitled "**EFFECTS OF ROASTING ON QUALITY OF PEANUTS** " during the session 2021-2022.

They took keen interest in experimental work showing enthusiasm towards thorough and comprehensive study in preparation of this project report.

I wish them a bright future and success all through him career.

Date: 2/07/2022

Place: Kanpur

(Dr. Vivek Kumar)

Assistant Professor and Supervisor

Department of Food Technology

H.B.T.U., Kanpur

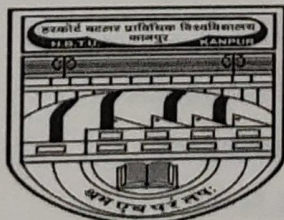
**A
PROJECT REPORT
ON
STUDIES ON EXTRACTION AND CHARACTERIZATION
OF TOMATO SEED OIL**

**SUBMITTED TO
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR**

**IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
CHEMICAL TECHNOLOGY
WITH SPECIALIZATION IN FOOD TECHNOLOGY**

**By
ABHAY RAJ SACHAN (Roll No.180107002)
ANIMESH SAHU (Roll No.180101007)
KARTIKEY SHUKLA (Roll No. 180101018)
SUDHANSHU KUMAR (Roll No. 170107025)**

**Under the supervision of
Dr. VIVEK KUMAR**



**DEPARTMENT OF FOOD TECHNOLOGY
SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR-208002 (U.P.) INDIA
2021-22**



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
नवाबगंज, कानपुर-208002, उ०प्र०, (भारत)
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DEPARTMENT OF FOOD TECHNOLOGY

CERTIFICATE

This is to certify that **Mr. Abhay Raj Sachan, Mr. Animesh Sahu, Mr. Kartikey Shukla and Mr. Sudhanshu Kumar** are student of B. Tech. Chemical Technology (with specialization in Food Technology) has worked under my supervision and guidance for the completion of her dissertation report entitled "**STUDIES ON EXTRACTION AND CHARACTERIZATION OF TOMATO SEED OIL**" during the session 2021-2022.

They took keen interest in experimental work showing enthusiasm towards thorough and comprehensive study in preparation of this project report.

I wish them a bright future and success all through their career.

(Dr. Vivek Kumar)

Date: 05/07/2022

Place: Kanpur

Associate Professor and Supervisor

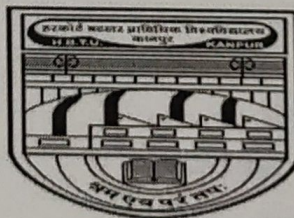
Department of Food Technology

H.B.T.U., Kanpur

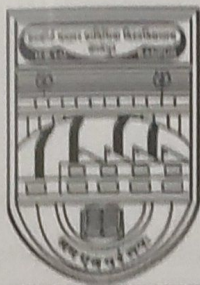
A
PROJECT REPORT
ON
**Development of unripe banana cookies and it's
quality evaluation**
SUBMITTED TO
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
IN PARTIAL FULFILMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
BACHELOR OF TECHNOLOGY
IN
CHEMICAL TECHNOLOGY
WITH SPECIALIZATION IN FOOD TECHNOLOGY

By
ANSHIKA MISHRA (Roll No.180107011)
PRAGATI AWASTHI (Roll No.180107019)
SAMEEHA JHA (Roll No. 180107024)
SAURABH (Roll No. 180107025)

Under the supervision of
Dr. VIVEK KUMAR



DEPARTMENT OF FOOD TECHNOLOGY
SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR-208002 (U.P.) INDIA
2021-22



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर-208002, उ०प्र०, (भारत)

Harcourt Butler Technical University

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DEPARTMENT OF FOOD TECHNOLOGY

CERTIFICATE

This is to certify that **Ms. Anshika Mishra, Ms. Pragati Awasthi Ms. Sameeha jha and Mr. Saurabh** are student of B. Tech. Chemical Technology (with specialization in Food Technology) has worked under my supervision and guidance for the completion of her dissertation report entitled "**Development of unripe banana cookies and it's quality evaluation**" during the session 2021-2022.

They took keen interest in experimental work showing enthusiasm towards thorough and comprehensive study in preparation of this project report.

I wish them a bright future and success all through their career.

Date: 02/07/2022

Place: Kanpur

(Dr. Vivek Kumar)

Associate Professor and Supervisor

Department of Food Technology

H.B.T.U., Kanpur

A
PROJECT REPORT
ON
"EXTRACTION AND UTILIZATION OF ESSENTIAL OIL RECOVERED FROM ORANGE
PEEL"
SUBMITTED IN
PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE DEGREE OF BACHELOR OF
TECHNOLOGY
IN
CHEMICAL TECHNOLOGY
(FOOD TECHNOLOGY)

SUBMITTED BY

AYUSH SINGH (180107014)
KUSHAGRA SRIVASTAVA (180107017)

ISHAN GUPTA (180107016)
SONU KUMAR (180107029)

FINAL B.TECH. CHEMICAL TECHNOLOGY (FOOD TECHNOLOGY)

Under the Supervision of

Dr. ALAK KUMAR SINGH (HOD)
DEPARTMENT OF FOOD TECHNOLOGY



HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR-208002

SESSION: 2021-22

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR (U.P.)



DEPARTMENT OF FOOD TECHNOLOGY

CERTIFICATE

This is to certify that the Project entitled, "THE EXTRACTION AND UTILIZATION OF ESSENTIAL OIL RECOVERED FROM ORANGE PEEL", being submitted by Ayush Singh(180107014), Ishan Gupta (180107016), Kushagra Srivastava (180107017), Sonu Kumar (180107029) for the partial fulfilment of the degree of Master of technology in chemical technology specialization in Food Technology of H.B.T.U., Kanpur, is a record of Bonafide research work carried out by her under my guidance and supervision during the session 2021-2022.

Date: 30.6.2022

Place: HBTU Kanpur

A handwritten signature in blue ink, which appears to be 'Alak', is written over a horizontal line.

Prof. Alak Kumar Singh

Dept. of Food Technology

H.B.T.U., Kanpur-208002

Certificate

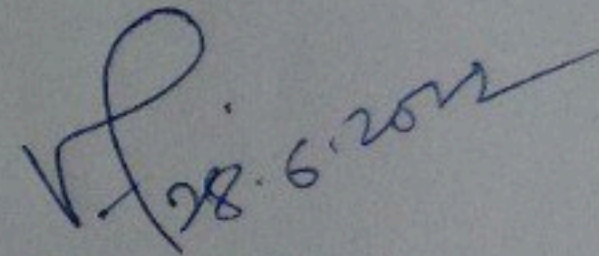
This is to certify that the project entitled **Design and Fabrication of Self Inflating tyre system** submitted in the partial fulfillment of requirement for the award of degree of Bachelor of Technology in Mechanical Engineering, Harcourt Butler Technical University, Kanpur has been carried out by the following students under my supervision

Abhishek Kumar (180110001)
Pandey

Divyarsh Pandey (180110031)

Prashant Jaiswal (180110044)

Rahul Kumar (180110048)
Singh



(Dr. Vinay Pratap Singh)

Associate Professor

Department of Mechanical Engineering

HBTU, Kanpur

**A
Project Report
On**

Design and fabrication of Self Inflating Tyre System

**Submitted in the partial fulfillment of award of
Degree of Bachelor of Technology
in**

Mechanical Engineering

By

Abhishek Kumar Pandey (180110001)

Divyarsh Pandey (180110031)

Prashant Jaiswal (180110044)

Rahul Kumar Singh (180110048)

Under the Guidance of

**Dr. Vinay Pratap Singh
Associate Professor**



**Department of Mechanical Engineering
Harcourt Butler Technical University, Kanpur
June, 2022**

CERTIFICATE

This is to certify that Shubham Gupta (180112026), Ranjeet Kumar (180110050), Ashish Kumar (180110021), Mohit Singh (180110038) students of Final Year B.Tech. Mechanical Engineering, Harcourt Butler Technical University Kanpur, have successfully completed their B.Tech. Project titled "Thermodynamic Modeling and Analysis of Transpiration Cooled Gas Turbine Blade" under my supervision and guidance. The project report embodies the studies and work carried by students themselves.

9/25/6/2022
(Dr. Onkar Singh)

Professor
Department of Mechanical,
Harcourt Butler Technical University,
Kanpur- 208002

Date: 25/06/2022

Place: Kanpur

A PROJECT REPORT

ON

**Thermodynamic Modeling and Analysis of Transpiration
Cooled Gas Turbine Blade**

SUBMITTED BY:

SHUBHAM GUPTA(180112026)

RANJEET KUMAR(180110050)

ASHISH KUMAR(180110021)

MOHIT SINGH(180110038)

UNDER THE SUPERVISION OF:

DR. ONKAR SINGH

(Professor Mechanical Engineering Dept.)



SCHOOL OF ENGINEERING

DEPARTMENT OF MECHANICAL ENGINEERING

HARCOURT BUTLER TECHNICAL UNIVERSITY KANPUR

JUNE 2022

A PROJECT REPORT ON
DESIGN AND ANALYSIS OF CUBESAT STRUCTURE

Submitted in partial fulfillment for award of
Bachelor of Technology

Degree
In
Mechanical Engineering

By

Aman Lodhi (180110012)
Vikas Verma (180110058)
Vikram Chaudhary (180110059)
Vishal Pal (180110060)

Under The Supervision of
Mr. R.K. AMBIKESH
(Associate Professor, Mechanical Engineering Department)



School of Engineering
Department of Mechanical Engineering
Harcourt Butler Technical University
Kanpur-208002

June, 2022

**A PROJECT REPORT ON
DESIGN AND ANALYSIS OF CUBESAT STRUCTURE**

**Submitted in partial fulfillment for award of
Bachelor of Technology
Degree**

**In
Mechanical Engineering**

By

**Aman Lodhi (180110012)
Vikas Verma (180110058)
Vikram Chaudhary (180110059)
Vishal Pal (180110060)**

**Under The Supervision of
Mr. R.K. AMBIKESH
(Associate Professor, Mechanical Engineering Department)**

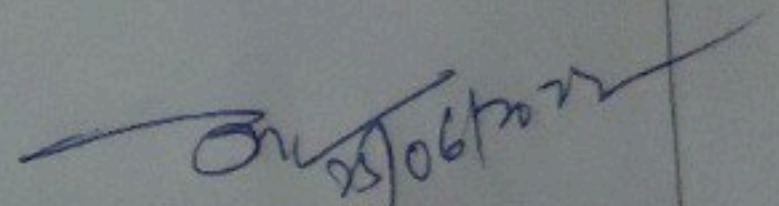


**School of Engineering
Department of Mechanical Engineering
Harcourt Butler Technical University
Kanpur-208002**

June, 2022

CERTIFICATE

This is to certify that Avinash Krishna (180110024), Himanshu Verma (180110035), Mayank Chaudhary (180110037), Abhishek Singh (180110061) students of Final Year B.Tech. Mechanical Engineering, Harcourt Butler Technical University Kanpur, have successfully completed their B.Tech. Project titled "Development of Self Sustainable Urinals" under my supervision and guidance. The project report embodies the studies and work carried by students themselves.



Dr. Jitendra Bhaskar
Professor
Dept of Mechanical Engg
HBTU Kanpur

B.Tech Project Report On
DEVELOPMENT OF SELF SUSTAINABLE
URINALS

Submitted By

Avinash Krishna (180110024)
Himanshu Verma (180110035)
Mayank Chaudhary (180110037)
Abhishek Singh (180110061)

Under the supervision of

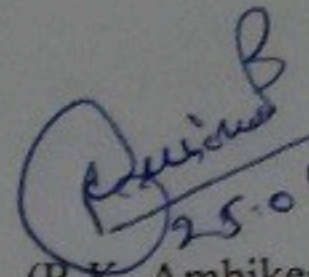
Dr. Jitendra Bhaskar
Professor



Department Of Mechanical Engineering
Harcourt Butler Technical University, Kanpur

CERTIFICATE

This is to certify that Aman Lodhi (180110012), Vikas Verma (180110058), Vikram Chaudhary (180110059), Vishal Pal (180110060) students of Final B.Tech Mechanical Engineering, Harcourt Butler Technical University, Kanpur have successfully completed their B.Tech. Project titled "Design and Analysis of CubeSat Structure" under my supervision and guidance. The project report embodies the study and work carried out by students themselves and the content of the report do not form the basis for the award of any other degree to the candidates.



25.06.2022

(R.K. Ambikesh)
Associate Professor
Department of Mechanical Engineering
Harcourt Butler Technical University
Kanpur-208002

Date: 25/06/2022
Place: Kanpur

List of Project Session 2021-22

Sr. No.	Roll No.	Name of Student	Topic of Project	Project guide
1	180111019	Marriam Fatima	Current Scenario of Biodiesel and its Future Prospects	Dr. R.K.Trivedi
2	180111024	Shambhavi Awasthi	Current Scenario of Biodiesel and its Future Prospects	Dr. R.K.Trivedi
3	180111018	Gaurav Kumar	Extraction of silica from rice husk	Dr. R.K.Trivedi
4	180111021	Naseem Ansari	Extraction of silica from rice husk	Dr. R.K.Trivedi
5	180111010	Aryan Yadav	Waste Minimization & Energy Recovery from Spent Bleaching Earth	Dr. V.K.Tyagi
6	180111027	Utkarsh Gupta	Waste Minimization & Energy Recovery from Spent Bleaching Earth	Dr. V.K.Tyagi
7	180101010	Arpit Kumar	Extraction of edible oil from algae	Dr. V.K.Tyagi
8	180101017	Himanshu Kumar	Extraction of edible oil from algae	Dr. V.K.Tyagi
9	170111013	Ritesh Chaudhary	Production of palm oil based bio lubricants	Dr. P.K.S. Yadav
10	180111011	Ashutosh	Production of palm oil based bio lubricants	Dr. P.K.S. Yadav
11	180111006	Aman Jaiswal	Productions of transparent melt and pour soap	Dr. P.K.S. Yadav
12	180111014	Deepak Yadav	Productions of transparent melt and pour soap	Dr. P.K.S. Yadav
13	180111023	Ram Kishan Nishad	Synthesis of Oleo chemicals from castor Oil	Dr. P.K.S. Yadav
14	180111029	Yash Kumar Singh	Synthesis of Oleo chemicals from castor Oil	Dr. P.K.S. Yadav
15	180111022	Priyam Tandon	Extraction & Expression of Soyabaen seed	Mr. P.C.Gupta
16	180111001	Abhinav Arya	Extraction & Expression of Soyabaen seed	Mr. P.C.Gupta
17	180111015	Diksha Sachan	Production of biodiesel from non-conventional source	Mr. P.C.Gupta
18	180111008	Ankit Yadav	Production of biodiesel from non-conventional source	Mr. P.C.Gupta

Sr. No.	Roll No.	Name of Student	Topic of Project	Project guide
19	180111016	Gaurav Anand	Production of edible grade lecithin powder from oil	Mr. H.S.Sharma
20	180111028	Ved Prakash Kashyap	Production of edible grade lecithin powder from oil	Mr. H.S.Sharma
21	180111017	Gaurav Kumar	Production of Mentha Crystal	Mr. H.S.Sharma
22	180111030	Zaman Asraf	Production of Mentha Crystal	Mr. H.S.Sharma
23	180111012	Ashutosh Kr. Gupta	Production of pharmaceuticals grade glycerin	Mr. Sameer Singh
24	180111007	Amit Kumar	Production of pharmaceuticals grade glycerin	Mr. Sameer Singh
25	180111004	Ajay Kumar Gautam	Extraction of essential Oil from herb and spices	Mr. Sameer Singh
26	180111025	Siddarth Agarwal	Extraction of essential Oil from herb and spices	Mr. Sameer Singh
27	180111005	Akash Kumar Gupta	Production of syndet Bar	Mr. Gaurav Singh
28	180111026	Suraj Kumar	Production of syndet Bar	Mr. Gaurav Singh
29	180111009	Anurag Srivastava	Manufacturing of Poly Additives	Mr. Gaurav Singh
30	180111013	Ayan Ali Ansari	Manufacturing of Poly Additives	Mr. Gaurav Singh

A
PROJECT REPORT
ON

Production of *Cordyceps militaris* on Various Media and
Optimization of Drying Process

Submitted in
Partial fulfilment of the requirement
for the degree of
Bachelor of Technology in Biochemical Engineering

2021-2022

Submitted By

Abdul Ahad	180101001
Aditi Tripathi	180101002
Akash Sahu	180101003
Alok Kumar	180101004

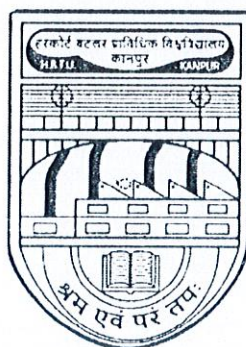
Under supervision of

Prof. Brajesh Singh

Associated professor & Head

Department of Biochemical Engineering

IIBTU, Kanpur




Certificate

This is to certify that **Mr. Abdul Ahad** (Roll number – 180101001), **Ms. Aditi Tripathi** (Roll number – 180101002), **Mr. Akash Sahu** (Roll number – 180101003) and **Mr. Alok Kumar** (Roll number – 180101004) students of Department of Biochemical Engineering, Harcourt Butler Technical University, Kanpur have completed their project report on topic “Production of *Cordyceps militaris* on Various Media and Optimization of Drying Process” under my supervision during the session 2021-22 and report which they have submitted is their genuine work.

During project, they demonstrated good behavior and skill with a self-motivated attitude to learn new things. Their performance exceeded expectation and was able to complete the training successfully on time.

We wish him a bright future and success all through his career.

Project supervisor & Head of Department

Prof. Brajesh Singh
(Associated professor & Head)
Department of Biochemical Engineering
HBTU, Kanpur

A PROJECT REPORT

ON

*“Estimation and Quantification of Different Sugars in
Sugarcane Bagasse and Coconut Coir”*

Submitted

In partial fulfilment of the requirements

for the Degree of

Bachelor of Technology

In

BIOCHEMICAL ENGINEERING



By

ASHISH KUMAR SINGH (Roll No.: 180101011)

ASHNA GUPTA (Roll No.: 180101012)

DINESH KUMAR BIND (Roll No.: 180101013)

HARSHIT GUPTA (Roll No.: 180101015)

Final B.Tech. Biochemical Engineering

Under the Guidance of

MR. PRAVIN KUMAR SACHAN

Department of Biochemical Engineering

HARCOUT BUTLER TECHNICAL UNIVERSITY, KANPUR

(2021-2022)



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय
नवाबगंज, कानपुर - 208002, उ.प्र., भारत
HARCOURT BUTLER TECHNICAL UNIVERSITY
NAWABGANJ, KANPUR - 208002, U.P., INDIA
(Formerly Harcourt Butler Technological Institute, Kanpur)

100 YEARS
1921 - 2021

CERTIFICATE

This is to certify that **Mr. Ashish Kumar Singh (180101011)**, **Miss. Ashna Gupta (180101012)**, **Mr. Dinesh Kumar Bind (180101013)** and **Harshit Gupta (Roll No.: 180101015)** final year students of Harcourt Butler Technical University, Kanpur pursuing a degree of B.Tech. from the department of Biochemical Engineering had completed their Project in HBTU, Kanpur on the Title, "*Estimation & Quantification of Different Sugars in Sugarcane Bagasse and Coconut Coir*", under my supervision and guidance during the session 2021-22 and the report which they have submitted is their genuine work. This project was part of the student's course curriculum in the final year of the B.Tech program.

During the project tenure, they demonstrated good behaviour and skills with a self-motivated attitude to learn new things. Their performance exceeded expectations and was able to complete the project successfully on time.

We wish them all the best for his future endeavours.

Mr. Pravin Kumar Sachan
(Project Mentor)

Date: 15/07/2022

Place: HBTU, Kanpur

Mr. Brajesh Singh
(Head of Department)

A
PROJECT REPORT
ON

Analysis and treatment of tannery waste water by using
Combined filtration and coagulation treatment process

SUBMITTED TO
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

In partial fulfilment of the requirements
for the degree of

BACHELOR OF TECHNOLOGY

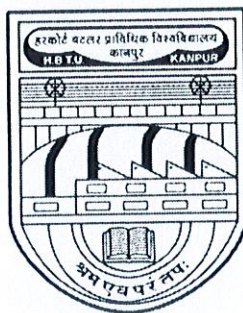
IN
CHEMICAL TECHNOLOGY

WITH SPECIALIZATION IN BIOCHEMICAL ENGINEERING

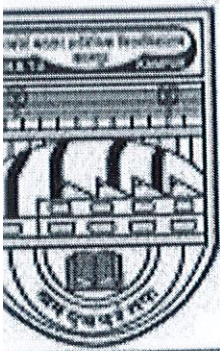
BY

Rajit Raj (Roll No. 180101023)
Krishnakant Sharma (Roll No. 180101019)
Mohd Tanzeel (Roll No. 180101021)
Himanshu Gautam (Roll No. 180101016)

Under the supervision of
Mr. MOHIT KUMAR YADAV



DEPARTMENT OF BIOCHEMICAL ENGINEERING
SCHOOL OF CHEMICAL TECHNOLOGY
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR-208002 (U.P.)
INDIA 2021-22



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर-208002, उ०प्र०. (भारत)

Harcourt Butler Technical University

Nawabganj, Kanpur-208002, U.P. (INDIA)

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone: +91-0512-2534001-5, Fax : +91-0512-2533812, Website : <http://www.hbtu.ac.in> E-mail : vc@hbtu.ac.in

DEPARTMENT OF BIOCHEMICAL ENGINEERING
CERTIFICATE

This is to certify that **Mr. RAJIT RAJ, Mr. MOHD TANZEEL, Mr. KRISHNAKANT SHARMA and Mr. HIMANSHU GAUTAM** are student of B.Tech. Chemical Technology (with specialization in Biochemical Engineering) has worked under my supervision and guidance for the completion of her dissertation report entitled “**Analysis and treatment of tannery waste water by using Combined filtration and coagulation treatment process**” during the session 2021-2022.

They took keen interest in experimental work showing enthusiasm towards thorough and comprehensive study in preparation of this project report. I wish them a bright future and success all through their career.

(Mr. Mohit Kumar Yadav)

Assistant professor and Supervisor
Department of Biochemical Engineering
H.B.T.U. Kanpur

(Mr. Brajesh Singh)

Head of Department
Department of Biochemical Engineering
H.B.T.U. Kanpur

Date: 06/07/2022

Place: Kanpur

A

Project Report

On

“Water-Hyacinth- A Novel Biosorbent Used for Removal of Methylene Blue from Aqueous Solution: Kinetics and Equilibrium Studies”

Submitted

To

Harcourt Butler Technical University, Kanpur in partial fulfillment of the requirements

of

Bachelor of Technology in Biochemical Engineering

By

SUBHASH CHANDRA VERMA (170101026)

ASHUTOSH YADAV (170101005)

RITIK KATIYAR (170101016)

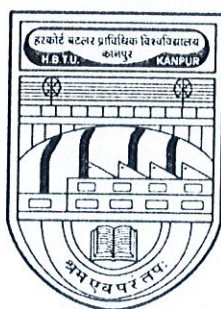
SUMIT KUMAR (170101027)

MUSKAAN GUPTA (170101012)

Under the guidance of

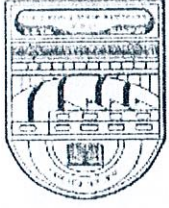
Mr. Shashikant, Assistant Professor

Department of Biochemical Engineering



HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

2021- 2022



हरकोर्ट बटलर प्राविधिक विश्वविद्यालय

नवाबगंज, कानपुर - 208002, उ.प्र., भारत

HARCOURT BUTLER TECHNICAL UNIVERSITY

NAWABGANJ, KANPUR - 208002, U.P., INDIA

(Formerly Harcourt Butler Technological Institute, Kanpur)

Phone : +91-0512-2534001-5, 2533812, website : <http://www.hbtu.ac.in>, email : vc@hbtu.ac.in

100 YEARS
1921 - 2021

Date: 16/07/2022

CERTIFICATE

This is to certify that the thesis entitled, *Water-Hyacinth- A Novel Biosorbent Used for Removal of Methylene Blue from Aqueous Solution: Kinetics and Equilibrium Studies* submitted by *Subhash Chandra Verma (170101026)*, *Ashutosh Yadav (170101005)*, *Ritik Katiyar (170101016)*, *Sumit Kumar (170101027)* And *Muskaan Gupta (170101012)*, in partial fulfillments for his requirements for the award of *Bachelor of Technology Degree in Biochemical Engineering at Harcourt Butler Technical University, Kanpur* is prepared by him under my supervision and guidance.

Name & Signature of Supervisor


(Mr. Shashikant)

Name & Signature of HOD


(Prof. Brajesh Singh)

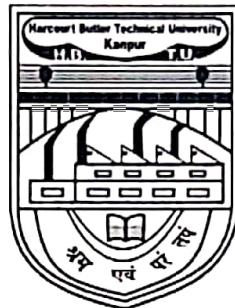
PROJECT REPORT
ON
BIOHYDROGEN PRODUCTION BY ENZYMATIC HYDROLYSIS OF
FOOD WASTE IN BATCH SYSTEM

Submitted
In partial fulfilment of the requirements
for the Degree of

Bachelor of Technology

In

BIO-CHEMICAL ENGINEERING



By

ANIL KUMAR SINGH (Roll No.: 180101006)

ANKISH VERMA (Roll No.: 180101008)

ANURAG MISHRA (Roll No.: 180101009)

ANIKET (Roll No.: 180101005)

Final B.Tech. Bio-chemical Engineering

Under the Guidance of

DR. LALIT KUMAR SINGH

Assistant Professor

Department of Bio-Chemical Engineering

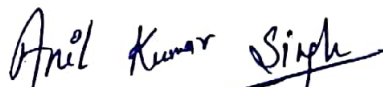
DEPARTMENT OF BIO-CHEMICAL ENGINEERING
HARCOUT BUTLER TECHNICAL UNIVERSITY, KANPUR

CANDIDATE DECLARATION

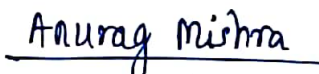
This is to declare that the report which has been presented here entitled "BIOHYDROGEN PRODUCTION BY ENZYMATIC HYDROLYSIS OF FOOD WASTE IN BATCH SYSTEM" in partial fulfilment of the requirements for the award of the degree of Bachelor of Technology and submitted in the Department of Bio-Chemical Engineering of H.B.T.U., Kanpur is an authentic record of our own work carried out under the guidance of Dr. Lalit Kumar Singh, Assistant Professor, the Department of Bio-Chemical Engineering of H.B.T.U., Kanpur.


The matter embodied in this report has not been submitted by us for the award of any other degree or diploma.

Date:


ANIL KUMAR SINGH (Roll No.: 180101006)


ANKISH VERMA (Roll No.: 180101008)


ANURAG MISHRA (Roll No.: 180101009)


ANIKET (Roll No.: 180101005)

Final B. Tech Bio-Chemical Engineering

The above statement made by the candidates is correct to the best of my knowledge.


DR. LALIT KUMAR SINGH

Assistant Professor
Department of Bio-Chemical Engineering
H.B.T.U. Kanpur

Harcourt Butler Technical University				
Computer Science & Engineering Department				
B.Tech CSE (2021-22)- Final Year Project				
Sr. No.	Roll No.	Name of Student	Topic of Project	Project guide
1	180104008	Aditya kumar	Real time Human activity recogniton using deep learning	Dr. Prabhat Verma
2	180104009	Ajaj Ahamed	Real Time Human activity recogniton using deep learning	Dr. Prabhat Verma
3	180104017	Arvind Kumar	Real Time Human activity recogniton using deep learning	Dr. Prabhat Verma
4	180104040	Ram Bharosh Kumar	Real Time Human activity recogniton using deep learning	Dr. Prabhat Verma
5	180104034	Krishnam Dhawan	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
6	180104051	Shivam Nehra	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
7	180104037	Prateek Goel	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
8	180104062	Aman Singh	Tree Born: "HEAR THE ECO", Air quality monitoring	Dr. Anita Yadav
9	180104057	Utkarsh Tiwari	Automated driving aid using computer vision	Dr. Raghuraj Singh
10	180104041	Rishpreet Singh	Automated driving aid using computer vision	Dr. Raghuraj Singh
11	180104015	Ansh Shankar	Automated driving aid using computer vision	Dr. Raghuraj Singh
12	180104016	Arpit Malik	Automated driving aid using computer vision	Dr. Raghuraj Singh
13	180104032	Kamal kant Singh	Heart Disease using ML	Dr. Vandana Dixit
14	180104011	Akshay rathi	Heart Disease using ML	Dr. Vandana Dixit
15	180104029	Honey singh	Heart Disease using ML	Dr. Vandana Dixit
16	180104047	Shashank gautam	Heart Disease using ML	Dr. Vandana Dixit
17	180104001	Aakriti Kaithwas	Automatic license number plate recognition system	Dr. Prabaht Verma
18	180104003	Abhay	Automatic license number plate recognition system	Dr. Prabaht Verma
19	180104005	Abhishek Kamal	Automatic license number plate recognition system	Dr. Prabaht Verma
20	170104063	Vishal Singh	Automatic license number plate recognition system	Dr. Prabaht Verma
21	180104059	Vivek verma	Image caption generator	Dr. Anita Yadav
22	1801004060	Yaman Varshney	Image caption generator	Dr. Anita Yadav

23	180104030	Ishank Katiyar	Image caption generator	Dr. Anita Yadav
24	180104044	Sameer garg	Image caption generator	Dr. Anita Yadav
25	180104052	Shivangi Dubey	Driver drowsiness detection system	Dr. Raghuraj Singh
26	180104064	Mokshin Koul	Driver drowsiness detection system	Dr. Raghuraj Singh
27	180104024	Garima Singh	Driver drowsiness detection system	Dr. Raghuraj Singh
28	180104058	Vishal Anand	Driver drowsiness detection system	Dr. Raghuraj Singh
29	180104012	Alankrit Verma	Algorithmic trading bot	Dr. Vandana Dixit
30	180104028	Harshita Arun	Algorithmic trading bot	Dr. Vandana Dixit
31	180104026	Harsh Srivastava	Algorithmic trading bot	Dr. Vandana Dixit
32	180104039	Rajneesh Dubey	Algorithmic trading bot	Dr. Vandana Dixit
33	180104020	Deeksha Lala	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
34	180104038	Priyanshi Agarwal	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
35	180104043	Sakshi Agarwal	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
36	180104054	Stuti Saini	Home loan approval prediction using big data and ML	Dr. Vandana Dixit
37	180104046	Samyank srivastava	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
38	180104004	Abhinav mehrotra	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
39	180104002	aakriti Sehrawat	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
40	180110013	Amit Singh	Sign language recognition system for deaf and dumb using a symbol chart(using ML, Computer vision, DIP)	Dr. Narendra Kohli
41	180110028	Deepika juneja	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit
42	180104048	Shashwat agarwal	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit
43	180105018	Pradyuman Maurya	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit

44	180104022	Deepak Pratap Seth	Music recommendation system based on facial emotion recognition	Dr. Vandana Dixit
45	180104018	Ashutosh trivedi	User chat analysis for multiple cases	Dr. Narendra Kohli
46	180104010	Akshat Sachan	User chat analysis for multiple cases	Dr. Narendra Kohli
47	180104061	Ajit jain	User chat analysis for multiple cases	Dr. Narendra Kohli
48	180104027	Harshit Jain	User chat analysis for multiple cases	Dr. Narendra Kohli
49	180104050	Shivam kumar	crime rate prediction using k -means	Dr. Narendra Kohli
50	180104055	Suryansh raghuvanshi	crime rate prediction using k -means	Dr. Narendra Kohli
51	180104036	Manish kumar	crime rate prediction using k -means	Dr. Narendra Kohli
52	180104025	harsh rathaur	crime rate prediction using k -means	Dr. Narendra Kohli
53	180104021	Deepak kumar	finding missing person using AI	Dr. Raghuraj Singh
54	180104042	Rohit pratap singh	finding missing person using AI	Dr. Raghuraj Singh
55	180104019	Chandrakant singh	finding missing person using AI	Dr. Raghuraj Singh
56	180103006	Abhishek chaudhary	finding missing person using AI	Dr. Raghuraj Singh
57	180104006	Abhishek singh	Quality checking using image processing	Dr. Prabhat Verma
58	180104007	aditya dixit	Quality checking using image processing	Dr. Prabhat Verma
59	180104045	Samir yadav	Quality checking using image processing	Dr. Prabhat Verma
60	180104023	Deepanshu chaudhary	Quality checking using image processing	Dr. Prabhat Verma
61	180104063	Rohit pratap singh	Cartoonify image with ML	Dr. Anita Yadav
62	180104014	Ankit singh	Cartoonify image with ML	Dr. Anita Yadav
63	180104013	Aman verma	Cartoonify image with ML	Dr. Anita Yadav
64	180104049	shiv kumar	Cartoonify image with ML	Dr. Anita Yadav

Harcourt Butler Technical University**Computer Science & Engineering Department****B.Tech Information Technology (2021-22)- Final Year Project**

Sl.	Roll No.	Name	Project Name	Supervisor
1	180108020	Pragya Katiyar	Automated Rating of Online Review	Dr. Vandana Dixit Kaushik
2	180108032	Rajat Aggarwal		
3	180108029	Vaibhav Tripathi		
4	180108017	KAPIL KUMAR DWIVEDI		
5	180108026	Saumya Rastogi	Cattle Care Application	Dr. Anita Yadav
6	180108018	Milind Kaushal		
7	180108015	Divyansh Tripathi		
8	180108007	Ankesh ojha	Web-Scraper	Prof. Raghuraj Singh
9	180108008	Ashutosh Bhalothia		
10	180108005	Amrendra singh		
11	180108024	Sachin Kumar		
12	180108002	Alankrita Mishra	Emotion Recognition and Depression Detection	Dr. Prabhat Verma
13	180108030	Yukti Gangwar		
14	180108027	Shipra Roy		
15	180108006	Ankesh Kumar	Stock Market Prediction	Dr. Prabhat Verma
16	180108004	Amit kumar patel		
17	180108003	Alok Dwivedi		
18	180108028	Taquiuddin		
19	180108013	Balram Verma	Indian sign language Detection using Machine Learning	Prof. Narendra Kohli
20	180108001	Akshit Singh		
21	180108031	Priyakant Panwar		
22	170108002	ABHAY PATEL		
23	180108023	Ritik kumar Nayak	Analysis of Coronary Artery Disease Using Various Machine Learning Techniques	Prof. Raghuraj Singh
24	180108022	Rishabh R Chaudhary		
25	180108019	Mohak Nigam		
26	180108021	Rajwardhan Singh		
27	180108014	Divya Kumar Jaiswal	Critique	Prof. Narendra Kohli
28	180108016	Hemant Kumar Patel		
29	180108009	Atul Bharti		
30	180108025	Sanskрати Gupta		
31	180108012	AYUSHI JAISWAL	Personality Prediction System Using CV Analysis	Dr. Vandana Dixit Kaushik
32	180108010	Avantika Singh Parihar		
33	180108011	Avinash Dixit		

Harcourt Butler Technical University**Computer Science & Engineering Department****MCA (2021-22) (Three Year Programme)- Final Year Industrial Project**

SR.NO	ROLL NO	STUDENT NAME	Project Title	Company Name	From	To
1	190231001	ABHAY PRATAP SINGH	Internship Task	Cognizant	22/4/2022	22/10/2022
2	190231002	ABHISHEK SINGH	Front End Development	Smart Programming Pvt Ltd.	15/2/2022	14/7/2022
3	190231003	ABHISHEK TRIPATHI	Buzzz A Social Media Web Application	To The New	02-08-2022	08-08-2022
4	190231004	AKASH AGARWAL	Bookz Kart	Smart Programming Pvt Ltd.	15/2/2022	14/7/2022
5	190231005	AKASH KESHARI	Job Portal	Smart Programming Pvt Ltd.	14/2/2022	14/6/2022
6	190231006	AKASH KUMAR	Online Code Editor	Smart Programming	02-05-2022	15/7/2022
7	190231007	AKASH TYAGI	Internship Task	MediaTek India Technology Pvt. Ltd.Noida	12-05-2021	31/05/2022
8	190231008	AKSHAT JAIN	IAM+(Middle East Bahrain)	Unthinkable Solutions LLP	10-04-2021	06-03-2022
9	190231009	AMISHA KUMARI	Hospital Management System	SkyBase Technolgy	02-01-2022	05-10-2022
10	190231010	ANKITA PANDEY	Buzzz A Social Media Web Application	To The New	02-08-2022	08-08-2022
11	190231012	ANSHIKA GOVIL	Internship Task	Samsung SDS	02-01-2022	30/6/2022
12	190231013	ARPIT AMRESH RAGHUBANSI	SAP-ABAP Development	IBM	01-12-2022	06-10-2022
13	190231014	ARPITA VERMA	Shoping Cart	Samsung SDS	02-01-2022	30/6/2022
14	190231015	ASHUTOSH SINGH	Internship Task	Samsung SDS	02-01-2022	30/6/2022
15	190231016	ASHUTOSH TRIPATHI	Municipal Coroporation	Webhub Technology	02-01-2022	30/6/2022

			Complained Handling Process			
16	190231017	ASHVANI PANDEY	Job Portal	Smart Programming Pvt Ltd.	14/2/2022	14/7/2022
17	190231018	ASHVANI SINGH	PB Direct (Profession Beauty Direct)	MobCoder	02-01-2022	31/7/2022
18	190231019	AYUSH AGRAWAL	Internship Task	Samsung SDS	02-01-2022	30/6/2022
19	190231020	AYUSH GAUTAM	Online Chating Application	WUD Theory Pvt Ltd	20/1/2022	25/4/2022
20	190231021	AYUSH PANDEY	Social Media Web Application	Tanzanite InfoTech	02-05-2022	20/6/2022
21	190231022	AYUSHI SINGH	Online Examination System	Samsung SDS	02-01-2022	30/6/2022
22	190231023	BHUPENDRA UMRAO	Online Chating System	Cosmo Info Solutions	02-01-2022	15/5/2022
23	190231024	DEEPAK MISHRA	Internship Task	HP Intership India	02-05-2022	07-05-2022
24	190231025	DEVANSHA	Self Driving Car	E-Gains	02-05-2022	31/5/2022
25	190231026	DIVYAPRAKASH YADAV	Internship Task	Samsung SDS	02-01-2022	30/6/2022
26	190231027	GITANJALI SAINI	Health Cloud CRM	Unthinkable Solutions LLP	10-04-2021	06-04-2022
27	190231028	HARSHIT OMER	Pick Food	Sky Base Institute	02-01-2022	05-10-2022
28	190231029	HIMANSHU AWASTHI	Social Media Application	To The NEW	02-01-2022	30/6/2022
29	190231030	ISHITA KUMARI	Twitter Sentiment Analysis	Cognizant	22/1/2022	31/5/2022
30	190231031	KAJAL VISHWAKARMA	Online Shopping	Samsung SDS	02-01-2022	30/6/2022
31	190231032	KAJUL SHARMA	Smart Planning and Execution FPP	Yamaha Motors Solution Ltd India	27/1/2022	27/5/2022
32	190231033	KIRTI SINGH	Disease Predictor Using ML	SkyBase Technolgy	02-01-2022	05-10-2022
33	190231034	KM AARZOO RATHI	E-Commerce App (E-Search)	Tycho Technologies Pvt Ltd.	1/2/2022	30/4/2022

34	190231035	KM SMRITI GUPTA	Scrum Master	Nagarro	03-09-2022	30/8/2022
35	190231036	KRISHNANAND SINGH	Internship Task	Samsung SDS	02-01-2022	30/6/2022
36	190231037	KUNVAR ABHISHEK SINGH	Greenglobe Natural Foods Customer Relationship Management	Webhub Technology	02-01-2022	30/6/2022
37	190231038	MANDAKINI SINGH	To 24/7 Shoping (Online Shopping)	Sky Base Computer Institute	02-01-2022	05-10-2022
38	190231039	MANJARY GUPTA	Food Ordering System Using PHP	Tikona Infinet Pvt Ltd.	02-01-2022	05-01-2022
39	190231040	MANJEET SINGH	Titanic3	Cognizant	18/5/2022	17/7/2022
40	190231041	MARISHA AGNIHOTRI	E-Commerce Website	Cognizant Technology Solution	18/1/2022	16/6/2022
41	190231043	MOHD UVAID	Apna Store	Webhub Technology	02-01-2022	30/6/2022
42	190231044	MOHIT YADAV	Kismat Collection (A Spin Wheel)	Dark Beans Software Pvt Ltd.	31/3/2022	30/6/2022
43	190231045	NAMAN ARORA	Internship Task	Sapphire Application Integrators Pvt. Ltd.	01-01-2022	31/5/2022
44	190231046	NANDITA SAXENA	Stanza Living	Daffodil Software Unthinkable Solutions LLP	10-04-2021	06-04-2022
45	190231047	NIKITA UPADHYAY	Home Loan	Samsung SDS	02-01-2022	30/6/2022
46	190231048	NIRAJ SINGH	Internship Task	Samsung SDS	02-01-2022	30/6/2022
47	190231049	PRAMOD KUMAR CHAUHAN	Online Parking System	Midbrains Technology Pvt. Ltd	01-03-2022	07-04-2022
48	190231050	PRINCEE GUPTA	E-Commerce Website	Webhub Technology	02-01-2022	30/6/2022
49	190231051	RAJAT DIXIT	O-Zon (Orphanage and Old age Zone	Sky Base Computer Institute	02-01-2022	05-10-2022
50	190231052	RAJAT PAL	ETL Developer	CELEBAL Technologies	01-01-2022	30/6/2022
51	190231053	RISHABH KUMAR MAURYA	Car Rental	Cosmo Info Solutions	02-05-2022	06-05-2022

52	190231054	RITESH VERMA	Online Shopping	Samsung SDS	02-01-2022	30/6/2022
53	190231056	ROHIT SHARMA	Hexaview Korporate (OMS)	Hexaview Technologies	01-05-2022	07-04-2022
54	190231057	SADAKAT ALI	Internship Task	Brabura Solutions Pvt. Ltd.	14/2/2022	07-03-2022
55	190231058	SAGARIKA JAISWAL	Sign Language to Text Conversion for Deaf and Dumb	SkyBase Technolgy	02-01-2022	05-10-2022
56	190231061	SAUMITRA BAJPAI	Market on Wheels	Cognizant	02-12-2022	08-08-2022
57	190231062	SAURABH KUMAR TRIPATHI	Internship Task	Samsung SDS	02-01-2022	30/6/2022
58	190231063	SHALINI VERMA	Online Shopping	Samsung SDS	02-01-2022	30/6/2022
59	190231064	SHAMALI GUPTA	Futuristic Technology	STUCRA Pvt Ltd.	01-01-2022	30/05/2022
60	190231065	SHIPRA	CCTV Viewer App	MobCoder	03-10-2022	06-10-2022
61	190231066	SHIVAM BANSAL	Internship Task	Samsung SDS	02-01-2022	30/6/2022
62	190231067	SHRUTI AGARWAL	Cognizant Covid Portal	Cognizant Technology Solution	22/1/2022	16/6/2022
63	190231068	SMRITI MISHRA	Internship Task	Samsung SDS	02-01-2022	30/6/2022
64	190231069	STUTI SHUKLA	Internship Task	Samsung SDS	02-01-2022	30/6/2022
65	190231070	SWAPNIL YADAV	Hand Gesture Volume Controller	SkyBase Technolgy	02-01-2022	05-10-2022
66	190231071	SYED AHMAD AZIZ	Website Design & Development	ATOS Syntel Pvt Ltd.	01-01-2022	05-03-2022
67	190231072	TUSHAR AGARWAL	Samsung SDS Chat Application	Samsung SDS	02-01-2022	30/6/2022
68	190231073	TUSHAR GUPTA	Internship Task	Samsung SDS	02-01-2022	30/6/2022
69	190231074	VEDIKA TIWARI	O-Zon (Orphanage and Old age Zone	Sky Base Computer Institute	02-01-2022	05-10-2022
70	190231076	VIRAT UPADHYAY	Invoice Management	RA Institute	15/2/2022	15/5/2022

71	190231077	VIVEK SHARMA	Internship Task	Hexaview Technologies	02-01-2022	31/7/2022
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Harcourt Butler Technical University				
Computer Science & Engineering Department				
MCA (2021-22) (Two Year Programme)-Final Year Project				
Sr. No.	Roll NO.	Group Member's Name	Project Topic	Project Supervisor
1	200231001	Aakash Gaur	Sentiment Analysis of Product based Reviews	Prof. Narendra Kohli
2	200231007	Ajay Kumar Verma		
3	200231016	Anurag Singh		
4	200231021	Ayushi Verma		
5	200231011	Akshika Mittal	Comparative Study Amazon Apparel Recommendation System	Prof. Raghuraj Singh
6	200231035	Mohd Shadab		
7	200231064	Shivangi		
8	200231075	Tuba Khan		
9	200231045	Pragati Tiwari	KARKINOS Restaurants Management System Using ML	Dr. Prabhat Verma
10	200231006	Aditya Soni		
11	200231003	Abhishek Dwivedi		
12	200231078	Vartika Jaiswal	Brain Tumor Detection Using Deep Learning Models	Dr. V.D. Kaushik
13	200231074	Sushant Baghel		
14	200231037	Navjyot Kumar		
15	200231073	Suryansh Singh		
16	200231032	Kushagra Verma	Emojifier Using CNN	Dr. V.D. Kaushik
17	200231044	Prachi Gupta		
18	200231066	Shubham Logani		
19	200231019	Avani Singh	Predicting Sales for Supermarkets	Dr. Prabhat Verma
20	200231024	Dheeraj Tiwari		
21	200231039	Nivedita Jain		
22	200231047	Pratibha Vishwakarma		
23	200231025	Gaurav Singh	Digital Learning Via Gamification	Dr. Prabhat Verma
24	200231052	Raj Kumar		
25	200231054	Riturendra		
26	200231059	Saumya Sachan		

27	200231013	Ankit Yadav	Sensor Data Fusion	Dr. Anita Yadav
28	200231028	Himanshu Kumar Jaiswal		
29	200231041	Pawan Kumar Verma		
30	200231061	Shikhar Kumar		
31	200231031	Kamal Nayan Rai	Malicious Node Detection in Wireless Network	Dr. Anita Yadav
32	200231033	Lokesh Katiyar		
33	200231046	Pranshu Katiyar		
34	200231053	Rishabh Verma		
35	200231067	Shubhanshu Maurya	Decentralized Cloud Storage with BlockChain	Dr. Anita Yadav
36	200231071	Sumit Gangwar		
37	200231057	Sanjay Chaudhary		
38	200231050	Rahul kumar Gupta		
39	200231017	Arpit chaturvedi	Customer Partnership Portal Using Cloud Technology	Prof. Narendra Kohli
40	200231018	Arpita Kashyap		
41	200231030	Kajal Kumari		
42	200231056	Sagar Gupta		
43	200231014	Anshika Pandey	Personalized Film and Television Recommendation System	Prof. Narendra Kohli
44	200231068	Sidra Zaidi		
45	200231072	Supriya Shahi		
46	200231076	Utkarsh Chaudhary		
47	200231023	Chirag Papneja	Stock Market Prediction System	Dr. Prabhat Verma
48	200231042	Prabhat Kumar Kohliyan		
49	200231012	Aman Kant Savita		
50	200231051	Rahul Mohan		
51	200231002	Abhishek Dubey	Transcatify - An E-wallet web app	Prof. Raghuraj Singh
52	200231004	Adarsh Gupta		
53	200231005	Adit Agarwal		
54	200231009	Akash Arun Gupta		
55	200231049	Rahul Gupta	Face Mask Detection & Recognition	Dr. Anita Yadav
56	200231058	Satyam Jaiswal		
57	200231040	Paras Gupta		
58	200231069	Smriti Tripathi		
59	200231027	Harshit Shukla	Emotion Detection Through Speech	Prof. Raghuraj Singh
60	200231038	Neha Singh		
61	200231043	Prabhat Kumar tiwari		
62	200231060	Sejal Soni	Study the impact	Dr. V.D. Kaushik

63	200231062	Shivam Singh	of EVs on Indian Economy	
64	200231063	Shivam Tiwari		
65	200231034	Manali Sharma	Distance Calculator App	Dr. Anita Yadav
66	200231048	Priya Katiyar		
67	200231008	Akanksha Singh		
68	200231029	Isha Agrawal		
69	200231065	Shubham Chaurasia	Health Workforce Data visualization	Prof. Narendra Kohli
70	200231036	Monisha Chaurasia		
71	200231015	Antra Tiwari		
72	200231020	Aviral Dixit		
73	200231010	Akshay Dhingra	Nifty Fifty Predictor	Dr. V.D. Kaushik
74	200231026	Harsh Bhatnagar		
75	200231055	Sachin Pratap Singh		
76	200231070	Somesh Tiwari		

User Chat Analysis using Machine Learning

A Project Report Submitted

In Partial Fulfilment of the Requirements

For the Award of the Degree of

Bachelors of Technology

In

Computer Science and Engineering

By

Harshit Jain

(Enrollment No: HBTU180104027)

Akshat Sachan

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Ashutosh Trivedi

(Enrollment No: HBTU180104018)

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(Enrollment No: HBTU180104061)

Under the supervision of

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Professor

Department of Computer Science and Engineering,



To the School of Engineering

Harcourt Butler Technical University, Kanpur

(May, 2022)

SIGN LANGUAGE RECOGNITION SYSTEM

A Project Report Submitted in Partial Fulfillment of the requirements for the Award of the Degree of Bachelors of Technology in Computer Science and Engineering

Under the Supervision of-

Dr. Narendra Kohli
Head of Department
Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur

By-

Aakriti Sahrawat (180104002)
Abhinav Mehrotra (180104004)
Samyak Srivastava (180104046)
Amit Singh (180110013)



To The
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)

DRIVER DROWSINESS DETECTION SYSTEM

**A Project Report Submitted
In Partial Fulfilment of the Requirements
For the Award of the Degree of
Bachelors of Technology**

**In
Computer Science and Engineering
By**

**Garima Singh Bhadauria
(Enrollment No: HBTU180104024)**

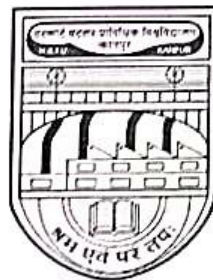
**Shivangi Dubey
(Enrollment No: HBTU180104052)**

**Vishal Anand
(Enrollment No: HBTU180104058)**

**Mokshin Koul
(Enrollment No: HBTU180104064)**

**Under the Supervision of
Dr. Raghuraj Singh
Professor**

**Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur**



**To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)**

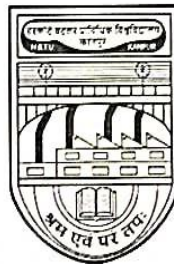
AUTOMATED DRIVER-ASSISTANCE SYSTEM

**A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Bachelors of Technology**

**In
Computer Science and Engineering**

**By
Ansh Shanker
(Enrollment No: HBTU180104015)
Arpit Malik
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Rishpreet Singh
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**To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)**

Tree Born- Hear The Echo Application

A Project Report Submitted
In Partial Fulfilment of the Requirements
For the Award of the Degree of
Bachelor of Technology

In
**COMPUTER SCIENCE AND
ENGINEERING**

By
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Prateek Goel
(Enrollment No: HBTU180104037)

Shivam Nehra
(Enrollment No: HBTU180104051)

Aman Singh
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Department of Computer Science and Engineering,
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School of Engineering
Harcourt Butler Technical University, Kanpur
(Erstwhile Harcourt Butler Technological Institute, Kanpur)

“Image Caption Generator”

A Project Report Submitted

In Partial Fulfillment of the Requirements

For the Degree of

Bachelor of Technology

In

Computer Science and Engineering

by

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Yaman Varshney (HBTU18010460)

Ishank Katiyar (HBTU180104030)

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To

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(June 2022)

**RICE GRAIN QUALITY ANALYSIS USING
IMAGE PROCESSING**

A Project Report Submitted in Partial Fulfillment of the
requirements for the Award of the Degree of Bachelors of
Technology in Computer Science and Engineering

Under the Supervision of-

Dr. PRABHAT VERMA

Assistant Professor

Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur

By-

Aditya Dixit(180104007)

Abhishek Singh(180104006)

Deepanshu(180104023)

Samir Yadav (180104045)



To The
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June, 2022)

A

Project Report

on

**AUTOMATIC NUMBER PLATE
RECOGNITION SYSTEM**

Submitted in partial fulfilment of the requirement

For the award of Degree of

Bachelor of Technology

In

Computer Science and Engineering

Under the supervision of

Dr. Prabhat Verma

(Assistant Professor)

HBTU Kanpur

By:

Aakriti Kaithwas(180104001)

Vishal Singh(170104063)

Abhay(180104003)

Abhishek Kamal(180104005)



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
Harcourt Butler Technical University, Kanpur, 208002
(2021-2022)**

**MUSIC RECOMMENDATION SYSTEM
BASED ON FACIAL EMOTION RECOGNITION**

A Project Report Submitted

In Partial Fulfillment of the Requirements For the Award of the Degree of

Bachelors of Technology

In

Computer Science and Engineering

By

Deepika Juneja

(Enrollment No: HBTU180110028)

Shashwat Agarwal

(Enrollment No: HBTU180104048)

Pradyumn Maurya

(Enrollment No: HBTU180105018)

Deepak Pratap Seth

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UNDER THE SUPERVISION OF

Dr. Vandana Dixit Kaushik

Assistant Professor, Department of Computer Science and Engineering

Harcourt Butler Technical University, Kanpur



To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May, 2022)

Project Report

On

LOAN APPROVAL USING MACHINE LEARNING AND DATA MINING.

Submitted in partial fulfillment of the requirement for

Degree of Bachelor of Technology in

Computer Science and Engineering

Under the supervision of

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(Assistant Professor & Supervisor)

HBTU Kanpur

By:

Deeksha Lala (180104020)

Priyanshi Agrawal (180104038)

Sakshi Agarwal (180104043)

Stuti Saini (180104054)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

HBTU KANPUR - 208002

2021-2022

CRITIQUE

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Bachelors of Technology
In
Information Technology

By
Atul Bharti

(Enrollment No: HBTU180108009)

Divya Kumar Jaiswal

(Enrollment No: HBTU180108014)

Hemant Kumar Patel

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Sanskrati Gupta

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Professor & Head

~~Head of Department~~

Computer Science and Engineering Department,
Harcourt Butler Technical University, Kanpur



To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May, 2022)

Indian sign language Detection using Machine Learning

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Bachelors of Technology

In
Information Technology
By

Priyakant Panwar
(Enrollment No: HBTU180108031)
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(Enrollment No: HBTU180108013)
Akshit Singh
(Enrollment No: HBTU180108001)
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Professor, *2 Head*

~~Head Of The Department~~

Department of Computer Science and Engineering,
Harcourt Butler Technical University, Kanpur



To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(May, 2022)

**ANALYSIS OF CORONARY ARTERY
DISEASE USING VARIOUS MACHINE
LEARNING TECHNIQUES**

**A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of**

**Bachelors of Technology
In
Information Technology
By**

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(Enrollment No: HBTU180108023)
Rishabh R. Chaudhary
(Enrollment No: HBTU180108022)
Mohak Nigam
(Enrollment No: HBTU180108019)
Rajvardhan Singh
(Enrollment No: HBTU180108021)**

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**To the
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Harcourt Butler Technical University, Kanpur
(June, 2022)**

Web Scraper

**A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of**

Bachelors of Technology

In

Information Technology

By

Ankesh Ojha

(Enrollment No: HBTU180108007)

Ashutosh Bhalothia

(Enrollment No: HBTU180108008)

Sachin Kumar

(Enrollment No: HBTU180108024)

Amrendra Singh

(Enrollment No: HBTU180108005)

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**Department of Computer Science and Engineering,
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To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May, 2022)

Cattle Care Application

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of

Bachelor of Technology

In

INFORMATION TECHNOLOGY

By

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Divyansh Tripathi

(Enrollment No: HBTU180108015)

Saumya Rastogi

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Department of Computer Science and Engineering,
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To the

School of Engineering

Harcourt Butler Technical University, Kanpur
(Erstwhile Harcourt Butler Technological Institute, Kanpur)

Emotion Recognition and Depression Detection

A Project Report Submitted

By-

Alankrita Mishra(180108002)

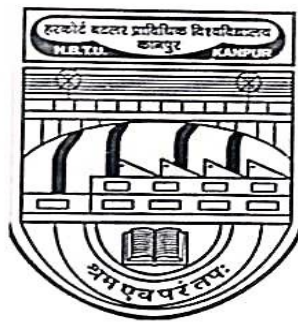
Shipra Roy(180108027)

Yukti Gangwar(180108030)

Under the supervision of-

Dr. Prabhat Verma

(Assistant Professor, Department of Computer Science and Engineering)



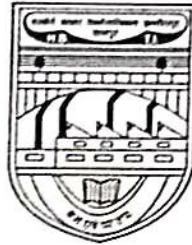
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR.

Project Report
On

STOCK MARKET PREDICTION

*Submitted
In partial fulfilment of requirements
for the degree of*

**Bachelor of Technology
IN
INFORMATION TECHNOLOGY**



By

ANKESH KUMAR (180108006)
AMIT KUMAR PATEL (180108004)
TAQUIUDDIN (180108028)
ALOK DIWEDI (180108003)

Under the supervision of

Dr. Prabhat Verma

Assistant Professor, CSE

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
H.B.T.U, KANPUR**

PROJECT SUPERVISOR

Dr. Prabhat Verma
Assistant Professor
Department of
Computer Science and Engineering

PROJECT IN-CHARGE

Dr. Raghuraj Singh
Professor
Department of
Computer Science and Engineering

Automated Rating of Online Reviews

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of

Bachelor of Technology

In

INFORMATION TECHNOLOGY

By

Rajat Aggarwal

(Enrollment No: HBTU180108032)

Vaibhav Tripathi

(Enrollment No: HBTU180108029)

Pragya Katiyar

(Enrollment No: HBTU180108020)

Kapil Kumar Dwivedi

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To the

School of Engineering

Harcourt Butler Technical University, Kanpur
(Erstwhile Harcourt Butler Technological Institute, Kanpur)

Personality Prediction Using CV Analysis

A Project Report Submitted

In Partial Fulfillment of the Requirements For the Award of the Degree of

Bachelors of Technology In

Information Technology

By

Avantika Singh Parihar

(Enrollment no: HBTU180108010)

Avinash Dixit

(Enrollment No: HBTU180108011)

Ayushi Jaiswal

(Enrollment No: HBTU180108012)

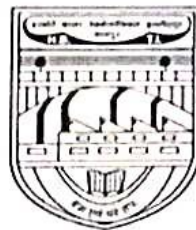
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**To the
School of Engineering**

HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR

(Formerly Harcourt Butler Technological Institute, Kanpur)

(May 2022)

Project Report
On
Health Workforce Data Visualization

Submitted in partial fulfillment of requirement for the award of

Master of Computer Applications

Under the guidance of

Dr. Narendra Kohli
(Head of Department)

By

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(Roll No. 200231020)

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(Roll No. 200231015)

Monisha Chaurasia

(Roll No. 200231036)

Shubham Chaurasia

(Roll No. 200231065)



Department of Computer Science & Information Technology

HARCOURT BUTLER TECHNICAL UNIVERSITY

Kanpur, Uttar Pradesh

Project Report
on
SENTIMENT ANALYSIS OF PRODUCT-BASED REVIEWS

Submitted in particular fulfillment of the requirement
for the degree of

MASTER OF COMPUTER APPLICATION

Under the esteemed guidance of

Prof. NARENDRA KOHLI

Professor & Head

By

AAKASH GAUR	(Roll no. 200231001)
AJAY KUMAR VERMA	(Roll no. 200231007)
ANURAG SINGH	(Roll no. 200231016)
AYUSHI VERMA	(Roll no. 200231021)



DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR
(2022)

Comparative Study Amazon Apparel Recommendation System

Dissertation submitted in partial fulfillment of the
requirements for the degree of

Master of Computer Application (MCA)

By

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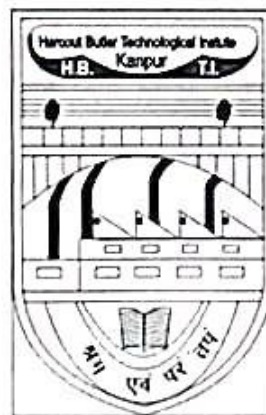
Mohd Shadab (200231035)

Tuba Khan (200231075)

Shivangi (200231064)

Under the guidance of

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Harcourt Butler Technical University

Academic Year 2021-22

EMOTION DETECTION THROUGH SPEECH

A Project Report Submitted
In Partial Fulfilment of the Requirements
For the Award of the Degree of
MASTER OF COMPUTER APPLICATION

In
Computer Science

By
Neha Singh
(Enrollment No: HBTU200231038)
Harshit Shukla
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Prabhat Kumar Tiwari
(Enrollment No: HBTU200231043)

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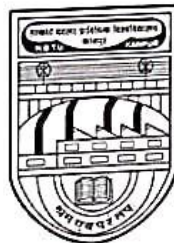
To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)

A project Report
ON
Malicious Node Detection in Wireless Network
MASTER OF COMPUTER APPLICATIONS

Submitted By:

Lokesh Katiyar (200231033)
Kamal Nayan Rai (200231031)
Pransu Katiyar (200231046)
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Under the Guidance of
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(Associate Professor)



HARCOURT BUTLER TECHNICAL UNIVERSITY
KANPUR, 208002, U.P.

Distance Calculator App

Dissertation submitted in partial fulfillment of the requirements for the
degree of

MASTER OF COMPUTER APPLICATIONS

By

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Akanksha Singh (200231008)

Priya Katiyar (200231048)

Isha Agrawal (200231029)

Under the esteemed guidance of

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HARCOURT BUTLER TECHNICAL UNIVERSITY KANPUR, 208002, INDIA

MAY 2022

SALES PREDICTION OF SUPERMARKET

Project Report Submitted in Partial Fulfillment of the
Requirement for the Degree of

**MASTER OF COMPUTER APPLICATION
2020-2022**

Under the guidance of

Prof. Prabhat Verma

By:

Nivedita Jain (200231039) / 06

Avani Singh (200231019) / 06

Pratibha Vishwakarma (200231047) / 06

Dheeraj Tiwari (200231024) / 06



**Department of Computer Science and Engineering
Harcourt Butler Technical University
Kanpur, U.P**

**PROJECT REPORT
ON
STOCK PRICE PREDICTION SYSTEM**

Submitted in the Partial fulfilment
of requirement for the award of

**MASTER OF COMPUTER
APPLICATION**

**Under the guidance of
Dr. Prabhat Verma
(Professor CSE Department)**

Aman Kant Savita

(Roll no. 200231012)

Chirag Papneja

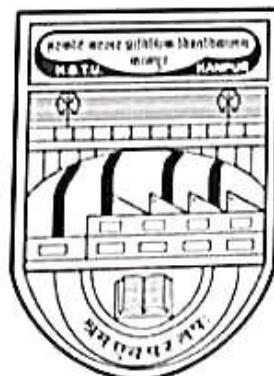
(Roll no. 200231023)

Prabhat Kumar Kohliyan

(Roll no. 200231042)

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**Department of Computer Science and Engineering
Harcourt Butler Technical University
June 2022**

EMOJIFIER USING CNN



A project report submitted to
Harcourt Butler Technical University

Kanpur, U.P.

towards partial fulfilment of
the degree of

MASTER OF COMPUTER APPLICATION
2020-2022

Guided by:

Dr. V.D. Kaushik
Assistant Professor
C.S.E. Department

Submitted by:

Shubham Logani (200231066)
Prachi Gupta (200231044)
Kushagra Verma (200231032)

Submitted to:

Dr. Anita Yadav
Associate Professor
C.S.E. Department

KARKINOS

Brain Tumor Detection Using Deep Learning Models

Dissertation submitted in partial fulfillment of the
requirements for the degree of

MASTER OF COMPUTER APPLICATION

By

Vartika Jaiswal (200231078)

Sushant Baghel (200231074)

Navjyot Kumar (200231037)

Suryansh Singh (200231073)

Under the esteemed guidance of

Dr. V.D. Kaushik

Assistant Professor



**Department of Computer Science and Engineering
Harcourt Butler Technical University**

Kanpur, U.P.

Session: 2020-2022

Internship Report

A Project Report Submitted

In Partial Fulfillment of the Requirements for the Award of the Degree of

Master of Computer Application (MCA)

(2019-2022)

By

ANSHIKA GOVIL

(Enrollment Number: HBTU190231012)

Under the supervision of

SAMSUNG DATA SYSTEMS INDIA PVT. LTD.



To The

School of Engineering

Harcourt Butler Technical University, Kanpur

(June,2022)

CERTIFICATE OF INTERNSHIP

Sender : Anuj Sharma <s.anuj@samsung.com> Professional/HR Group/SDS India

Date : 2022-05-18 13:13 (GMT+5:30)

Title : Samsung Data Systems - Interns Candidate Status - Harcourt butler technical university (HBTU)

To : null<Placement@hbtu.ac.in>

CC : Suresh Chander<s.chander@samsung.com>

Dear TPO,

Hope you're doing good..!

Please refer the below table -

S.No.	Name	Institute	Degree	Branch	Mobile	Email Address	Start Date	Internship End
28	Anshika Govil	HBTU	B.Tech	Computer Application	8743939908	govilanshika2@gmail.com	Feb 01, 2022	June 30, 2022

Regards

Anuj Sharma

Human Resource / Manager

Samsung Data Systems India Private Limited

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<https://www.samsungsds.com/india/en/>

Internship's Tasks

A Project Report Submitted

In Partial Fulfilment of the Requirements for the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Deepak Mishra

(Enrolment No: HBTU190231024)

Under the Supervision of

Mr. Chintan Gupta



School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

Academic Year: 2021-2022

CERTIFICATE



Date: 07/05/2022

To Whom It May Concern:

This is to certify that Deepak Mishra S/O Mr. Ganga Sagar Mishra who is the student of MCA final Uyear (Roll Number: 190231024) from Harcourt Butler Technical University, Kanpur has done his Internship Program from Our Organization HP Internship India From 05 Feb 2022 to 05 July 2022 in Kanpur.

His Internship is based on **Java**.

During the internship period Deepak Mishra has shown keen interest in project development and analysis phase and to the best of our knowledge. He has shown sound knowledge of the subject and has good grasping power.

For HP Internship India

Mr. Chintan Gupta

(Project Manager)

www.InternshipIndia.in

Internship's Tasks

A Project Report Submitted
In Partial Fulfillment of Requirements
For the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Arpit Raghubansi

(Enrolment No: HBTU190231013)

Under the Supervision of

Mr. Prateek Das Gupta
Mrs. Rekha Satyanath



To the
School of Engineering

Harcourt Butler Technical University, Kanpur

June, 2022

Internship Certificate

December 9, 2021

IBM India Private Limited
Manyata Embassy Business Park,
G2 Block, Nagwara Outer Ring Road,
Bangalore - 560045, India.
Tel : 91-80-49139999
<http://www-07.ibm.com/in/careers/>



Dear Arpit Amresh Raghubansi

We are pleased to offer you a permission letter for project training as an Intern from January 12, 2022 to July 11, 2022. During your Internship assignment, you will be working on the assignment at Gurgaon [REDACTED]. You will report to Dasgupta, Prateek (pratdasg@in.ibm.com) in Gurgaon. At the end of the internship, you will submit a copy of your report to the Company. You may contact your manager for further guidance on your project.

Internship's Tasks

A Project Report Submitted

In Partial Fulfilment of Requirements for the Award of the
Degree of

Master of Computers Application

(2019-2022)

By

Smriti Gupta

(Enrollment No: HBTU190231035)

Under the Supervision of

Nagarro (*thinking break through*), **Gurgaon.**

Mr.OM Prakash
Miss Parul Parmar



School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute,
Kanpur)

(June 2022)

CERTIFICATE



TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Smriti Gupta** joined Nagarro Software Pvt. Ltd. on 09th March, 2022 for a six-month training. She has been working on Java language and her performance has been satisfactory.

Her project is handled by Swati Yadav from the People Enablement team.

Swati Yadav
Director, People
EnablementNagarro
Software Pvt. Ltd.

SMART PLANNING AND EXECUTION APP PROCESS DOCUMENT

A Project Report Submitted

In Partial Fulfilment of the Requirements for the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Kajul Sharma

(Enrollment No: HBTU190231032)

Under the Supervision of

Mr. Sumit Dwivedi



School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute,
Kanpur)

June 4, 2022

TO WHOMSOEVER IT MAY CONCERN

This is to certify the Ms. Kajul Sharma of MCA - Harcourt Butler Technical University, Kanpur is doing internship at Yamaha Motor Solutions India Ltd. since 14th February 2022.

For,

Yamaha Motor Solutions India Pvt Ltd



Nagendra Rawal

DGM - HR

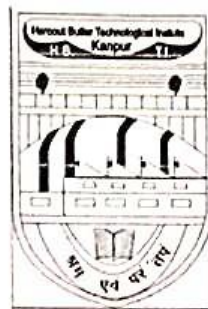
ONLINE PARKING SYSTEM

A Project Report

Submitted in fulfilment of the
Requirement for the award of the degree of

Master of Computer Applications
(Batch 2019- 2022)

To



By

Pramod Kumar Chauhan (190231049)

**Under the Supervision
Of**

Mr. Shubham Yadav

CERTIFICATE



MIDBRAINS TECHNOLOGIES

Address

2nd floor, Uttam Shanti
building above Yamaha
Showroom near Pandit
Petrol Pump Dange chowki,
Hinjewadi, Pune,
Maharashtra 411033

Email

info@midbrains.in

Website

www.midbrains.in

Offer Letter

Date: 31/12/2021

Dear Pramod Kumar Chauhan,

We refer to the discussions held with you earlier and take pleasure in offering you as a **Full Stack Developer Intern** in our organization. You are requested to join us on 03-January-2022. Your job specifications will be provided to you separately.

We shall be offering you internship duration of 6 months with no stipend as discussed mutually at the time of interview you had with us. All other benefits will be as per the existing policy of an organization for which you will be entitled upon your joining the organization.

This appointment is offered to you based on the information provided by you in writing and during the course of subsequent correspondence and meetings. In the event of any of the information being proved to be incorrect, the organization will view it seriously and take appropriate action.

We look forward to a very rewarding mutual relationship to the benefit of yourself and the company.

Yours faithfully,

A handwritten signature in black ink, appearing to read "Arun", written over a horizontal line.

HR Department



Internship's Tasks

A Project Report Submitted

In Partial Fulfillment of the Requirements For the Award of the Degree of

Master of Computer Application

(2019-2022)

By

Rajat Pal

(Enrollment No: HBTU190231052)

Under the Supervision of

Ms. Nainshree Joshi



School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

June 4 , 2022



✉ hr@celebaltech.com
enterprisesales@celebaltech.com

🌐 www.celebaltech.com

☎ 0141-4700659

📍 India: A-2 7th floor, UDB Corporate Tower, J.L.N. Marg, Jaipur

STRICTLY CONFIDENTIAL

Dated: 31st May, 2022

Ongoing Internship Certificate

To Whomsoever It May Concern

This is to certify that **Rajat Pal** had undertaken Internship with Celebal Technologies, Jaipur, starting from 1st January 2022 in **Big Data & EDW** Department.

During his 5 months of Internship, he was working under the mentorship of **Ms. Nainshree Joshi**.

Best Regards

Tejal

Tejal Mangal
Sr. Executive
Human Resources
Celebal Technologies

Project Report

Submitted

In Partial Fulfilment of the Requirements for the Award of the Degree of

Master of Computer Application (MCA)

(2019-2022)

By

Aarzo0 Rathi

(Enrolment No: HBTU190231034)

Under the Supervision of

Mr Praveen Jaiswal



Harcourt Butler Technical University, Kanpur

Certificate of Internship



Date: 02nd May 2022

TO WHOM SO EVER IT MAY CONCERN

This is to certify that Ms. Aarzo Rath Roll No:- 190231034, a student of Master of Computer Application from Harcourt Butler Technical University Kanpur, has successfully completed her 3 months (01 Feb to 30 Apr) long internship at Tycho Technologies Pvt. Ltd.

During her internship she has worked on the project entitled "E-commerce" for Flutter Development the work responsibilities performed by Ms. Aarzo Rath was to develop Frontend, the project developed for Android and iOS device. It is original work done by Ms. Aarzo Rath under the guidance of Mr. Praveen Jaiswal.

We wish her success in life.

Warm Regards,

Nidhi Singh

Co-Founder

Tycho Technologies Pvt. Ltd.

Tycho Technologies Pvt. Ltd.

802 Basement, H-1E2 Sec-63, Noida 201309, Mobile: 9650982383

Municipal Corporation Online Complaint Handling Process

A Project Report Submitted

In Partial Fulfillment of the Requirements

for the Award of the Degree of

Master Of Computer Application

(2019-22)

By:

ASHUTOSH TRIPATHI

(Enrollment No. HBTU190231016)

Under the Supervision of

Mr. Sanjay Shelar



HBTU Kanpur

Harcourt Butler Technical University

To the

School of Engineering

Harcourt Butler Technical University, Kanpur

(Formerly Harcourt Butler Technological Institute, Kanpur)

(June, 2022)



WEBHUB TECHNOLOGY
Soft Solutions for the Hard Problems

Office Address: 04th floor, S. M. Tower, Above Jijamata bank, Karvenagar, Pune-411052.
E-mail: info@webhub.co.in Website: www.webhub.co.in

REF: INT-webhub295-2022

Date: 02/06/2022

TO WHOM IT MAY CONCERN

This is to certify that **Mr. Ashutosh Tripathi** student of MCA from **Harcourt Butler Technical University** has successfully completed a project on "**Municipal Corporation Online Complaint Handling Process**" as a partial fulfillment of requirement towards 06th semester of his MCA program.

Duration- 02nd Feb 2022 to Till Completion.

Technology- Java and MYSQL.

During the period of internship with us he was found punctual, hardworking and inquisitive.

As abided by intellectual property and confidentiality policy of Webhub Technology Pune. He is unable to produce the source code of above mentioned project.

We wish his every success in life.




YOURS SINCERELY,

FOR WEBHUB TECHNOLOGY PUNE

www.webhub.co.in

**SIGN LANGUAGE TO TEXT CONVERSION FOR
DEAF AND DUMB**

A Project Report Submitted
In Partial Fulfillment of the Requirements
For the Award of the Degree of
Master of Computer Application
(2019-2022)

By

Sagarika Jaiswal

(Enrollment No: HBTU190231058)

Under the Supervision of

Mr. Arjun Tiwari

Mr. Ritesh Sachan



To the
School of Engineering
Harcourt Butler Technical University, Kanpur
(Formerly Harcourt Butler Technological Institute, Kanpur)
(June 4, 2022)

SKY BASE



Regd. By U.P. Govt.
Regd. No.-K-816

ISO 9001:2008
CERT No:GACB1955

2/5, (M.I.G) BARRA-7, KANPUR
Ph. : 0512-3291639
Mo. : 9889999106

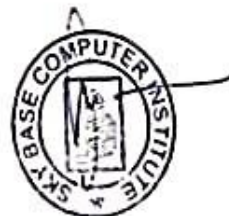
TO WHOM SO EVER IT MAY CONCERN

This is to certify that Miss. Sagarika Jaiswal has completed a supervised and mentored internship as an intern at Sky Base Computer Institute.

Duration – three months from 1st Feb 2022 to 10th May, 2022.

She has majorly worked on various machine learning & deep learning algorithms. During her internship period she was exposed to various processes and was found sincere, hard-working technically sound and result oriented.

Her association with us is much appreciated and we wish her all the best her future endeavors.



BHARAT SANCHAR NIGAM LIMITED

No²⁰³/11258

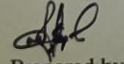


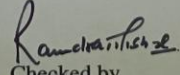
OFFICE OF THE GENERAL MANAGER TELECOM
DISTRICT KANPUR - 208001

CERTIFICATE

This is to Certify that Mr./Miss Pankh Shukla
a student of Degree/Diploma/Post Graduate in B.Tech (E.C.E.)
at M. B. T. U. Kanpur
has successfully completed his/her 04 Week Vocational / Summer Training/
Internship with effect from 19.07.2021 to 14.08.2021 in Kanpur Telecom District.
Swing good performance We wish every success in his/her Life

Dated : 23.08.2021


Prepared by


Checked by


Asstt. General Manager (Admn.)
Kanpur Telecom District



No : RKYPGNB519-2021-1669001

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Netaji Subhash Chandra Bose Telecom Training Centre

(A Regional Telecom Training Centre of BSNL)

CERTIFICATE

This is to Certify that

ANAMIKA YADAV

has successfully completed 4 weeks online INDUSTRIAL TRAINING on ADVANCE TELECOM TECHNOLOGY with effect from 19.07.2021 to 13.08.2021 at NSCBTTC, Kalyani.

We wish him/her all the best for a bright future.

Date : 14.08.2021


(Principal)



No : RKYPGNB519-2021-1669009

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Netaji Subhash Chandra Bose Telecom Training Centre

(A Regional Telecom Training Centre of BSNL)

CERTIFICATE

This is to Certify that

UTKARSH KUMAR YADAV

has successfully completed 4 weeks online INDUSTRIAL TRAINING on ADVANCE TELECOM TECHNOLOGY with effect from 19.07.2021 to 13.08.2021 at NSCBTTC, Kalyani.

We wish him/her all the best for a bright future.

Date : 14.08.2021


(Principal)

BHARAT SANCHAR NIGAM LIMITED

200D/
No. 11255




OFFICE OF THE GENERAL MANAGER TELECOM
DISTRICT KANPUR - 208001

CERTIFICATE

This is to Certify that *Mr./Miss Manya Pandey*
a student of Degree/Diploma/Post Graduate in *B.Tech (ECE)*
at *H.B.T.U. Kanpur*
has successfully completed his/her *04* Week Vocational / Summer Training/
Internship with effect from *19.07.2021* to *14.08.2021* in Kanpur Telecom District.
Being good performer We wish every success in his/her Life

Dated : *23.08.2021*

Prepared by 

Checked by *Ramprakash*


Asst. General Manager (Admn.)
Kanpur Telecom District



No : RKYPGNB519-2021-1669005

BHARAT SANCHAR NIGAM LIMITED

(A Govt. of India Enterprise)

Netaji Subhash Chandra Bose Telecom Training Centre

(A Regional Telecom Training Centre of BSNL)

CERTIFICATE

This is to Certify that

HIMKANT TRIPATHI

*has successfully completed 4 weeks online **INDUSTRIAL TRAINING** on **ADVANCE TELECOM TECHNOLOGY** with effect from 19.07.2021 to 13.08.2021 at NSCBTTC, Kalyani.*

We wish him/her all the best for a bright future.

Date : 14.08.2021


(**Principal**)

CANDIDATE'S DECLARATION

We hereby declare that the Industrial Training report entitled "Photonic crystals" submitted by us to Harcourt Butler Technical University, Kanpur in partial fulfilment of the requirement for the degree B.TECH in ELECTRONICS ENGINEERING is a record of bonafide training work carried out by us under the guidance of Mr. Partha Saha. My supervisor should not be held responsible for full or partial violation of copyright or intellectual property rights.

Name & Signature:

1. Hardik Batheja
180106012

2. Muskan Dubey
180106021

3. Shreya Sachan
180106037

Shreya Sachan

4. Siddhant Jain
180106039

SJ

SUPERVISOR'S NAME & SIGNATURE:

PSaha

LETTER OF RECOMMENDATION FOR PRIYANSHI OMER

I am writing this letter to give my highest possible recommendation for **Priyanshi Omer**.

I started knowing Miss Priyanshi Omer through her technical project work during the summer of 2021. She approached me about the possibility of an internship at the Indian Institute of Technology (BHU), Varanasi, India. After getting the general outline of the project, she worked independently on a project titled “**A Comprehensive Study of Automatic Detection of Covid-19 from Chest Radiographic Images.**”

I was pleased with Miss Omer’s creative mind and work ethic during her research project. Her interpersonal skills are excellent. Miss Omer also showed excellent problem-solving ability.

In summary, Miss Omer is a good student. Her knowledge of the English language is good. Her research potential and programming expertise are excellent.

I give her my highest recommendation.

Thanks and regards,

Yours sincerely



Dr. PRIYA RANJAN MUDULI

Date: 27-08-2021



NATIONAL INSTITUTE OF TECHNOLOGY
An Institute of National Importance Under MHRD, Govt. of India
WARANGAL- 506004, Telangana, INDIA
(Formerly Regional Engineering College, Warangal)



Dr. Md. Farukh Hashmi

Assistant Professor

Department of Electronics and Communication Engineering

Phone:- +918702462429(O)

Mobile:- +919666740604

Email:- mdfarukh@nitw.ac.in

SUMMER INTERNSHIP CERTIFICATE

(To Whom It May Concern)

This is to certify that Ms. Richa Singh (Roll No. 180106029) student of III year B.Tech., Electronics Engineering of Harcourt Butler Technical University (HBTU), Kanpur (U.P.) is worked under my guidance in the field of Biomedical Imaging and Deep learning entitled "**Optic Disc Segmentation Using Fundus Images**" from date 20/06/2021 to 5/08/2021 for a period of forty five days. This work was performed online mode under Computer Vision Lab of ECE Department, National Institute of Technology, Warangal. Her dedication to this Summer internship is very much appreciated and I wish her for the best future ahead.

M. Farukh
05/09/2021
(Dr. Mohammad Farukh Hashmi)

Dr. M.D. FARUKH HASHMI
Assistant Professor
Department of Electronics & Communication Engg.
NATIONAL INSTITUTE OF TECHNOLOGY
Warangal-506004 (T.S.)



NATIONAL INSTITUTE OF TECHNOLOGY
An Institute of National Importance Under MHRD, Govt. of India
WARANGAL- 506004, Telangana, INDIA
(Formerly Regional Engineering College, Warangal)



Dr. Md. Farukh Hashmi

Assistant Professor

Department of Electronics and Communication Engineering

Phone:- +918702462429(O)

Mobile:- +919666740604

Email:- mdfarukh@nitw.ac.in

SUMMER INTERNSHIP CERTIFICATE

(To Whom It May Concern)

This is to certify that Ms. Upagyya Dixit (Roll No. 180106047) student of III year B.Tech., Electronics Engineering of Harcourt Butler Technical University (HBTU), Kanpur (U.P.) is worked under my guidance in the field of Biomedical Imaging and Deep learning entitled "**Optic Disc Segmentation Using Fundus Images**" from date 20/06/2021 to 5/08/2021 for a period of forty five days. This work was performed online mode under Computer Vision Lab of ECE Department, National Institute of Technology, Warangal. Her dedication to this Summer internship is very much appreciated and I wish her for the best future ahead.

M. Farukh
05/09/2021
(Dr. Mohammad Farukh Hashmi)

Dr. MD. FARUKH HASHMI
Assistant Professor
Department of Electronics & Communication Engg.
NATIONAL INSTITUTE OF TECHNOLOGY
Warangal-506004 (T.S.)