



# Swami Vivekanand College of Engineering

(Approved by: AICTE, New Delhi • Affiliated to RGPV, Bhopal and DAVV, Indore • Recognised by : DTE Govt. of MP)

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## Declaration

### Metric 1.3.2

I declare that all the data, pictures, reports and other information enclosed in the criteria are authentic to the best of my knowledge.


Criteria In-charge

Dr. Megha Soni

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KHANDWA ROAD, INDORE

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**

**Department of Computer Science & Engineering**

**VIII Sem Major Project Topic Allotment Details**

**Session Jan-June 2022-2023**

**Project Coordinator: Ms. Praneeta Bisen & Ms. Akanksha Dubey**

S.No	Group Number	Name of Students	Enrollment No.	Project Title	Guide Alloted	Place
1	G-1	Shubham Gandhare	0822CS191103	The E-Mart	Mr. Ashish Tiwari	SVCE, Indore
2		Sejal Gadewal	0822CS191093			SVCE, Indore
3	G-2	Laksh Dilliwal	0822CS191049	Portfolio manager & Stock/Crypto.Live Tranding Charts	Ms. Priya Sen	SVCE, Indore
4		Ankit Singh	0822CS191019			SVCE, Indore
5		Aakar Sharma	0822CS191008			SVCE, Indore
6		Aman Kushwah	0822CS191009			SVCE, Indore
7	G-3	Amay Vyas	0822CS191012	Cafe cume drive through system	Mr. Ashish Tiwari	SVCE, Indore
8		Yash Bangar	0822CS191121			SVCE, Indore
9		Ankita Seriwala	0822CS191021			SVCE, Indore
10		Princy Choubey	0822CS191175			SVCE, Indore
11	G-4	Rajul Thakur	0822CS191179	Edupedia The Education System	Ms. Praneeta Bisen	SVCE, Indore
12		Shikha shrivastava	0822CS191197			SVCE, Indore
13		Sourabh Verma	0822CS191106			SVCE, Indore
14		Siddharth Jain	0822CS191105			SVCE, Indore
15	G-5	Prakhar Mishra	0822CS191069	E-Commerce website and App	Mr. Dharmendra Choukse	SVCE, Indore
16		Sanmeet Kaur	0822CS191090			SVCE, Indore
17		Yashita Saini	0822CS191123			SVCE, Indore
18		Prathviraj Chouhan	0822CS191070			SVCE, Indore
19	G-6	Vanshika Ramteke	0822CS203D07	New Scrpiting	Ms. Amisha Bhime	SVCE, Indore
20		Rinkita Panchal	0822CS191082			SVCE, Indore
21		Sheetal Sawkare	0822CS191096			SVCE, Indore
22		Nisha Bairagi	0822CS191065			SVCE, Indore
23	G-7	Shivam Joshi	0822CS191099	E-Store	Mrs. Akanksha Dubey	SVCE, Indore
24		Ritik Singh Solanki	0822CS191084			SVCE, Indore
25		Sanskar Sahu	0822CS191091			SVCE, Indore
26		Ujjawal Shrivastava	0822CS191114			SVCE, Indore

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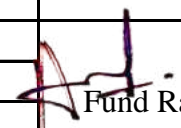
**Department of Computer Science & Engineering**

**VIII Sem Major Project Topic Allotment Details**

**Session Jan-June 2022-2023**

**Project Coordinator: Ms. Praneeta Bisen & Ms. Akanksha Dubey**

27	G-8	Bharat Pawar	0822CS191029	Eternal Coder	Mrs. Akanksha Dubey	SVCE, Indore
28		Arbaz	0822CS191023			SVCE, Indore
29		Mansi	0822CS191053			SVCE, Indore
30		Aditya Thakur	0822CS191006			SVCE, Indore
31		Anjali	0822CS191016			SVCE, Indore
32	G-9	Rekha Sengar	0822CS191081	Workers Provider	Dr. Dharmendra Choukse	SVCE, Indore
33		Shivani Chaouhan	0822CS191100			SVCE, Indore
34		Shreya	0822CS191101			SVCE, Indore
35		Sushma Prajapati	0822CS191111			SVCE, Indore
36	G-10	Umesh Sen	0822CS191115	Hospital Management System	Dr. Dharmendra Choukse	SVCE, Indore
37		Yogesh Patidar	0822CS191125			SVCE, Indore
38		Jyoti Solanki	0822CS191043			SVCE, Indore
39		Tanishq kag	0822CS191112			SVCE, Indore
40		Yash Jaishwal	0822CS191122			SVCE, Indore
41	G-11	Puneet Malviya	0822CS191077	Fit World	Dr. Dharmendra Choukse	SVCE, Indore
42		Sourabh singh	0822CS191092			SVCE, Indore
43		Utkarsh Odhekar	0822CS191116			SVCE, Indore
44	G-12	Neeraj Rathor	0822CS191062	E-Commerce System	Ms. Praneeta Bisen	SVCE, Indore
45		Deepak shukla	0822CS191032			SVCE, Indore
46		Manoj Karole	0822CS191052			SVCE, Indore
47		Kishan Nayak	0822CS191048			SVCE, Indore
48	G-13	Aman Satvikar	0822CS191010	Servoo	Ms. Teena Chouhan	SVCE, Indore
49		Gautam	0822CS191035			SVCE, Indore
50		Ashish Kumar Rajat	0822CS191025			SVCE, Indore
51		Mohit Rathore	0822CS191057			SVCE, Indore
52	G-14	NIKHIL MALVIYA	0822CS191064	Fund Raise System	Ms. Amisha Jain	SVCE, Indore
53		Parikshit chandana	0822CS191066			SVCE, Indore
54		Sourabh Namdev	0822CS191107			SVCE, Indore
55		TANUJ JADAV	0822CS191027			SVCE, Indore
56	G-15	ASHUTOSH BHALOT	0822CS191027	Image Detector App	Dr. Dharmendra Choukse	SVCE, Indore

  
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**Department of Computer Science & Engineering**

**VIII Sem Major Project Topic Allotment Details**

**Session Jan-June 2022-2023**

**Project Coordinator: Ms. Praneeta Bisen & Ms. Akanksha Dubey**

57	G-16	Adharsh V	0822CS203D01	Talk Line	Dr. Dharmendra Choukse	SVCE, Indore
58		Vipin burane	0822CS203D08			SVCE, Indore
59		Harsh Sahu	0822CS203D02			SVCE, Indore
60		Harsh Sharma	0822CS203D03			SVCE, Indore
61		Prashad Mahajan	0822CS203D06			SVCE, Indore
62	G-17	Shadhana Deshmukh	0822CS191087	Fit World	Dr. Dharmendra Choukse	SVCE, Indore
63		Aradhana Khede	0822CS191022			SVCE, Indore
64		Ishika Raut	0822CS191040			SVCE, Indore
65		Mohit Yadav	0822CS191060			SVCE, Indore
66	G-18	Ajay More	0822CS191005	Face Recognition	Dr. Dharmendra Choukse	SVCE, Indore
67	G-19	Shivam Birla	0822CS191098	Shipper and carrier	Ms. Amisha Jain	SVCE, Indore
68		Pawan Patel	0822CS191067			SVCE, Indore
69		Praveen Singh Patel	0822CS191073			SVCE, Indore
70		Surendra Gurjar	0822CS191110			SVCE, Indore
71	G-20	Govinda Jadhav	0822CS191038	Online Medical Store	Ms. Amisha Jain	SVCE, Indore
72		Arjun Pawar	0822CS191024			SVCE, Indore
73		Rishikesh Gadekar	0822CS191083			SVCE, Indore
74		Vishal Sawle	0822CS191120			SVCE, Indore
75		Yuvraj Singh Patel	0822CS191126			SVCE, Indore
76	G-21	Kavita Ahirwal	0822CS191045	Pratishprdha Lets the game begin	Dr. Dharmendra Choukse	SVCE, Indore
77		Karina Sawadiya	0822CS191044			SVCE, Indore
78	G-22	Kushboo Chawla	0822CS191046	Courier Service	Mr. Aashish Tiwari	SVCE, Indore
79	G-23	Ajay Vishwakerma	0822CS191007	Fit World	Dr. Dharmendra Choukse	SVCE, Indore
80		Khushi Joshi	0822CS191047			SVCE, Indore
81		Asmid yadav	0822CS191026			SVCE, Indore
82	G-24	Pratik Ojha	0822CS191071	Wehichl Management System	Ms. Amisha Jain	SVCE, Indore
83		Aman Tomer	0822CS191011			SVCE, Indore
84		Praveen Boriyal	0822CS191073			SVCE, Indore
85	G-25	Jyadeep Patil	0822CS191041	Online Food Ordering System	Dr. Dharmendra Choukse	SVCE, Indore
86		Abhishek Patidar	0822CS191082			SVCE, Indore
87		Devendra Dhogdiwa	0822CS191033			SVCE, Indore

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**VIII Sem Major Project Topic Allotment Details**


**Session Jan-June 2022-2023**

**Project Coordinator: Ms. Praneeta Bisen & Ms. Akanksha Dubey**

88	G-26	Shyam Birla	0822CS191104	Weather forecasting	Ms. Amisha Jain	SVCE, Indore
89		Vaibhav Dhakad	0822CS191117			SVCE, Indore
90		Yogesh Girwal	0822CS191124			SVCE, Indore
91		Priyanshu Kushwaha	0822CS191076			SVCE, Indore
92	G-27	Aniket Sarsariya	0822CS191015	Sleepiness Detection of Driver	Mr. Ashish Tiwari	SVCE, Indore
93		Bhavesh Jain	0822CS191030			SVCE, Indore
94		Gourav Bhati	0822CS191037			SVCE, Indore
95		Gourav Choudhary	0822CS191036			SVCE, Indore
96	G-28	Pravin Birla	0822CS191074	Doctor Appoinment System	Ms. Praneeta Bisen	SVCE, Indore
97		Sai Khanaiya Rathore	0822CS191089			SVCE, Indore
98		Shubham Soni	0822CS191102			SVCE, Indore
99	G-29	Mohit Malviya	0822CS191059	Doctor Near you	Dr. Dharmendra Choukse	SVCE, Indore
100		Ayush Thakur	0822CS191001			SVCE, Indore
101		Ankit Choudhary	0822CS191017			SVCE, Indore
102		Mohit Kumawat	0822CS191058			SVCE, Indore
103		Ankit Nagar	0822CS191018			SVCE, Indore
104	G - 30	Mohd. Sadique Ansari	0822CS191055	Techorg	Ms.Priya Sen	SVCE, Indore
105		Mohd. zaid Ansari	0822CS191056			SVCE, Indore
106		Ibadur Rahman	0822CS191039			SVCE, Indore
107		Sahir Mansuri	0822CS191095			SVCE, Indore
108	G-31	Sahil Shinde	0822CS191088	Cloud Server	Mr. Ashish Tiwari	SVCE, Indore
109	G-32	Neeraj Bhataniya	0822CS191061	Global Transist	Ms. Amisha jain	SVCE, Indore
110		Brajpal singh pawar	0822CS191031			SVCE, Indore
111	G-33	Vineet Bang	0822CS191119	Dr. Consulting System	Ms. Amisha Bhime	SVCE, Indore
112		Sujeet Rathore	0822CS191108			SVCE, Indore
113		Raghav Laad	0822CS191078			SVCE, Indore

  
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**KHANDWA ROAD, INDORE**

  
**Project Coordinator**

# WEATHER FORECAST



*A minor project submitted to  
Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal (M.P.)  
towards partial fulfillment for the award of the degree of*

## **BACHELOR OF TECHNOLOGY In COMPUTER SCIENCE AND ENGINEERING**

### **Guided By**

**Ms. Rekha Yadav  
Asst. Prof.  
CSE Department**

### **Submitted By**

**Shravan Goud  
[0822CS201101]  
Rohan Jagdale  
[0822IT201045]  
Vikas Badwaya  
[0822CS201118]  
Yash Sitole  
[0822CS201125]**

**Department of Computer Science and Engineering  
Swami Vivekanand College of Engineering, Indore(M.P)  
2022-2023**

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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

## CERTIFICATE



This is to certify that the Minor Project Report entitled "WEATHER FORECAST" submitted to "Rajiv Gandhi Proudhyogiki Vishwavidhyalaya Bhopal" by **Shravan Goud, Rohan Jagdale, Vikas Badwaya and Yash Sitole** is a partial fulfillment of the requirement for the award of the degree in **B. Tech** with specialization in **Department of Computer Science Engineering**.

**Shravan Goud**  
[0822CS201101]  
**Rohan Jagdale**  
[0822IT201045]  
**Vikas Badwaya**  
[0822CS201118]  
**Yash Sitole**  
[0822CS201125]

**Ms. Rekha Yadav**

Guide, CSE  
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**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**



## ACKNOWLEDGEMENT

I am thankful to the technical university Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal for giving me opportunity to convert my theoretical knowledge into the practical skills through this project.

Any work of this magnitude requires input, efforts and encouragement of people from all sides. In compiling this project, I have been fortunate enough to get active and kindeoperation from many people without which my endeavors wouldn't have been a success.

The project work has been made successful by the cumbersome effort of the faculties.

I would like to express gratitude to my guide **Ms. Rekha Yadav** under whose valuable guidance, for encouraging me regularly and explain me each and every concept, I was able to execute my project smoothly.

I express my profound gratitude to **Dr. Pradeep Patil**, Principal, Swami Vivekanand College of Engineering, Indore (M.P.), for making me confident about the research platform and helping me a lot in research work implementation.

I give special thanks to **Mr. Ashish Tiwari**, Computer Science and Engineering department for their willingness to help me in finding solutions to any problems I had with my work.


I am thankful to all teaching and Non-teaching staff of the Computer science and Engineering Department for their timely help and co-operation for their continuous support and encouragement in success of this project.

Place: SVCE, Indore

Date:




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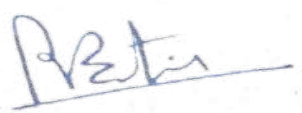


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KHANDWA ROAD, INDORF

## ABSTRACT

The project titled "WEATHER FORCAST". Weather Forecasting is the attempt by meteorologists to predict the weather condition at some future time and the weather conditions that may be expected. The climate condition parameters are based on the temperature, wind, humidity, rainfall and size of data set.

  
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# THE HIRING STUDIOS



*A Minor Project Report Submitted to  
Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal (M.P.)  
towards partial fulfillment for the award of the degree of*

## **BACHELOR OF TECHNOLOGY**

In

## **COMPUTER SCIENCE AND ENGINEERING**


**Guided by**

**Ms. Amisha Jain  
Asst. Prof.  
CSE Department**

**Submitted By**

**Ojas Kunte  
[0822CS201068]  
Diksha Gajbhiye  
(0822CS213D04)**

**Department of Computer Science and Engineering  
Swami Vivekanand College of Engineering, Indore (M.P.)  
2022-2023**

  
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KHANDWA ROAD, INDORF**

  
**PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

## CERTIFICATE



This is to certify that the Minor Project Report entitled "THE HIRING STUDIOS" submitted to "Rajiv Gandhi Proudhyogiki Vishwavidhyalaya; Bhopal" by **Ojas Kunte** and **Diksha Gajbhiye** is a partial fulfillment of the requirement for the award of the degree in **B. Tech** with specialization in **Computer Science**.

**Ojas Kunte (0822CS201068)**

**Diksha Gajbhiye(0822CS213D04)**

**Ms. Amisha Jain**

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I give special thanks to **Mr. Ashish Tiwari**, Computer Science and Engineering department for their willingness to help me in finding solutions to any problems I had with my work.

I am thankful to all teaching and Non-teaching staff of the Computer science and Engineering Department for their timely help and co-operation for their continuous support and encouragement in success of this project.

Place: SVCE, Indore  
Date:

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Diksha Gajbhiye(0822CS213D04)


  
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## ABSTRACT

The advancement of technology plays an important role in organizations functioning and overall development of India. As our country is a developing nation and it has set its mission to be digitalized in every arena, the organization also has started to use technology in their activities. Before the technological advancement, organization used various sources to recruit employees. Those sources are newspaper advertisement, campus recruiting, different job agencies and so on. Those sources are also recognized as traditional recruitment sources. But now along with those sources many other sources have been added to this list because of the technological development. Various job-related websites, recruitment via internet, E- mail, social media etc. are the sources which added with traditional recruitment which is known as e- recruitment. E- recruitment is a mode for selecting one of the companies' human resources through technological mean. According to technological acceptance model, the uses of online sources for job searching have been impressively increased. It is considered to be effective because it saves time, effort and moreover it can ensure that suitable person is hired for a particular position. So the main purpose of our study is to identify about how e-recruitment and internet is influencing the recruitment process of an organization.

The aim of this minor project is to design and develop a recruitment platform that facilitates the job search and application process for both job seekers and employers. The platform will provide a user-friendly interface for job seekers to create their profiles, search for job opportunities, and apply for them. Employers will be able to create job postings, search for potential candidates, and manage their applications. The platform will use modern technologies and frameworks to ensure scalability and reliability. The project will also incorporate features such as job recommendation algorithms, automated job alerts, and a messaging system for communication between job seekers and employers. The success of the project will be measured by the number of job seekers and employers using the platform, the number of successful job placements, and user feedback on the platform's ease of use and functionality.

  
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# SOCIAL MEDIA WEBSITE



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towards partial fulfillment for the award of the degree of*  
**BACHELOR OF TECHNOLOGY**

In

**COMPUTER SCIENCE AND ENGINEERING**

**Guided By**

**Ms. Akansha Dudey  
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CSE Department**

**Submitted By**

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Kunal Mahajan  
[0822CS201047]  
Koushlesh Yadav  
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Ghabanshu Wakode  
[0822CS201024]**

**Department of Computer Science and Engineering  
Swami Vivekanand College of Engineering, Indore (M.P.)  
2022-2023**

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# **CERTIFICATE**



This is to certify that the Minor Project Report entitled "Social Media Website" submitted to "Rajiv Gandhi Pradyogiki Vishwavidhyalaya, Bhopal" by **Ayush Sawle, Kunal Mahajan, Koushlesh Yadav, Ghabhanshu Wakode** is a partial fulfillment of the requirement for the award of the degree in **B.Tech** with specialization in **Computer Science**.

**Ayush Swale(0822CS201001)**

**Kunal Mahajan(0822CS201047)**

**Koushlesh Yadav(0822CS201045)**

**Ghabhanshu Wakode(0822CS201024)**

**Ms. Akansha Dudey**

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## CERTIFICATE OF APPROVAL




The Minor Project Report title entitled "Social Media Website" being submitted by Ayush Sawle(0822CS201001), Kunal Mahajan(0822CS201047) Koushlesh Yadav(0822CS201045), Ghabhanshu Wakode(0822CS201024) has been examined by us and is hereby approved for the award of degree "Bachelor of Technology (Computer Science & Engineering)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

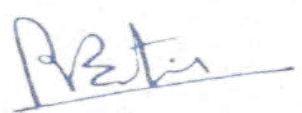
  
(Internal Examiner)

Date: 24/04/23

(External Examiner)

Date:

  
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## ACKNOWLEDGEMENT

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I would like to express gratitude to my guide **Ms. Akansha Dudev** under whose valuable guidance, for encouraging me regularly and explain me each and every concept, I was able to execute my project smoothly.

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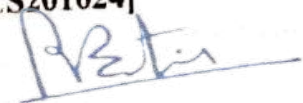
**Place: SVCE, Indore**

**Date:**



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**Ayush Sawle  
[0822CS201001]  
Kunal Mahajan  
[0822CS201047]  
Koushlesh Yadav  
[0822CS201045]  
Ghabhanshu Wakode  
[0822CS201024]**



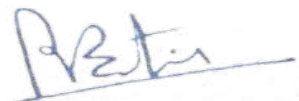
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## ABSTRACT

It is a social news website and forum where content is socially curated and promoted by site members through voting. Whether it's a place to discuss serious topics like politics or a fun space wherein people share cute content, there's a Place for almost every type of interest group. It makes it easy to interact with strangers from all over the world around shared interests or things you have in common. It is a social sharing website. It's built around users submitting links, pictures, and text, which everyone can then vote on. The best content rises to the top, while downvoted content becomes less visible. It is useful for a lot of things, most notably for staying up to date on the latest news, trends, memes, and more. In addition to this, it allows you to find and join niche communities that you might have trouble finding elsewhere online.



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# COLLEGE SELECTION WEBSITE



*A Minor Project Report Submitted to*  
*Rajiv Gandhi Pradyogiki Vishwavidhyalaya, Bhopal (M.P.)*  
*towards partial fulfillment for the award of the degree of*  
**BACHELOR OF TECHNOLOGY**  
In  
**COMPUTER SCIENCE AND ENGINEERING**

**Guided By**

**Mr. Vaishali Upadhyay**  
**Asst. Prof.**  
**CSE Department**

**Submitted By**

**Ajay Sharma**  
**[0822CS201006]**  
**Vijay Sharma**  
**[0822CS201117]**  
**Om Deepak Patel**  
**[0822CS201069]**  
**Sachin Chouhan**  
**[0822CS201088]**

**Department of Computer Science and Engineering**  
**Swami Vivekanand College of Engineering, Indore (M.P.) 2022-2023**

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**KHANDWA ROAD, INDORE**

## CERTIFICATE



This is to certify that the Minor Project Report entitled “COLLEGE SELECTION WEBSITE” submitted to “Rajiv Gandhi Proudyogiki Vishwavidhyalaya; Bhopal” by **Ajay Sharma , Vijay Sharma , Om Patel and Sachin Chouhan** is a partial fulfillment of the requirement for the award of the degree in **B.Tech** with specialization in **Department of Computer Science Engineering**.

**Ajay Sharma (0822CS201006)**

**Vijay Sharma (0822CS201117)**

**Om Deepak Patel (0822CS201069)**

**Sachin Chouhan (0822CS201088)**

**Mr. Ashish Tiwari**

Guide, CSE  
SVCE, Indore

**Mr. Ashish Tiwari**

HOD, CSE  
SVCE, Indore

**Dr. Pradeep Patil**

Principal  
SVCE, Indore

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I would like to express gratitude to my guide **Mrs. vaishali upadhyay** under whose valuable guidance, for encouraging me regularly and explain me each and every concept, I was able to execute my project smoothly.

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**Place: SVCE, Indore**


**Date:**

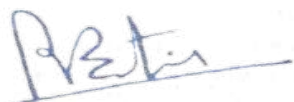
**Ajay Sharma**  
[0822CS201006]

**Vijay Sharma**  
[0822CS201117]

**Om Deepak Patel**  
[0822CS201069]

**Sachin Chouhan**  
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## ABSTRACT

Traditional college admissions is a hectic process, with students visiting an off-site campus, taking an application, filling it out, and then submitting it is another hectic story. On the day of admission, the flow of candidates is very high and it requires both manual processing and record keeping at the same time which makes the process lengthy and difficult to track the admission status of a candidate across multiple departments. Currently the admission process is done manually with pen and paper which is very inefficient and consumes a lot of effort and time.

This College Selection Website Helps Make The Admission Process Much Easier.

The objective of the website is to provide college related information and latest updates about the happenings and academic programs in the College of Engineering. The website consists of web pages that are easy to navigate as well as provide sufficient depth and information.

The website will be authenticated and provide a secure environment. Salient features of the website : .....



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# ONLINE TRUCK BOOKING



*A Minor Project Report Submitted to  
Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal (M.P.)  
towards partial fulfillment for the award of the degree of*  
**BACHELOR OF TECHNOLOGY**  
In  
**COMPUTER SCIENCE AND ENGINEERING**


**Guided By**

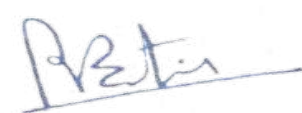
**Ms. Praneeta Bisen  
Asst. Prof.  
CSE Department**

**Submitted By**

**Sandeep Prajapati  
(0822CS201091)  
Vikas Sisodiya  
(0822CS201119)**

**Department of Computer Science and Engineering  
Swami Vivekanand College of Engineering, Indore (M.P.)  
2022-2023**

  
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## CERTIFICATE



This is to certify that the Minor Project Report entitled "Online Truck Booking" submitted to 'Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal' by **Vikas Sisodiya (0822CS201119)**, **Sandeep Prajapati (0822CS201091)** is a partial fulfillment of the requirement for the award of the degree in **B. Tech** with specialization in **Computer Science**.

**Candidate Name: Vikas Sisodiya, Sandeep Prajapati**  
**Enrollment No.: (0822CS201119), (0822CS201091)**

**Ms. Praneeta Bisen**

Guide, CSE  
SVCE, Indore

**Mr. Ashish Tiwari**

HOD, CSE  
SVCE, Indore

**Dr. Pradeep Patil**

Principal  
SVCE, Indore

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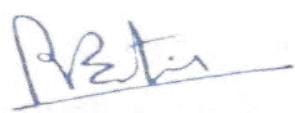
Place: SVCE, Indore

Date:

Vikas Sisodiya(0822CS201119)

Sandeep Prajapati (0822CS201119)

  
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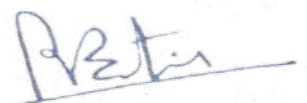
  
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## ABSTRACT

Transportation.com will be a website that will provide the users with the details of trucks and load as per their requirements. A user (load provider) can browse the entire list of trucks with the complete information of the truck owner and the truck driver. The load provider and the truck owner will hold an account to search for loads and get the contact information or additional load details of the truck. To post your loads/trucks you will need to set up a free account according to their requirements. In the general scenario, the truck driver is unable to get the load from the load provider without any contacts. To discard this problem, both the truck owner and the load provider will have their accounts on our website which will allow them to avail the services like adding a truck, uploading an empty truck, search for available trucks and so on.



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DEPARTMENT OF INFORMATION TECHNOLOGY**

**COURSE - B.TECH  
MAJOR PROJECT**

S.NO	ENROLLMENT NUMBER	STUDENT NAME	PROJECT NAME	GROUP NUMBER	GUIDE NAME	PLACE
1	0822IT191007	AVDHESH PATEL	Smart Vyapari Web Application	G1	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191044	VIRENDRA GUNJAN				SVCE,Indore
	0822IT191047	YASHPAL SISODIYA				SVCE,Indore
2	0822IT203D01	MISHIKA JAISWAL	Stock Forecast	G2	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191030	SANSKAR JAIN				SVCE,Indore
	0822IT191040	SOURABH PATEL				SVCE,Indore
3	0822IT191028	SANDEEP DEWADA	Smart Parking Management System	G3	Ms.Meenakshi Prajapati	SVCE,Indore
	0822IT191032	SHANKAR				SVCE,Indore
4	0822IT191025	ROHAN	Ticket Buddy	G4	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191046	VISHAL MALVIYA				SVCE,Indore
5	0822IT191006	ARPANA BARTHE	E-Commerce Website	G5	Ms.Chandramala Amarji	SVCE,Indore
6	0822IT191012	NAVRAJ JAISWAL	Digital Signature	G6	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191015	NIRMAL				SVCE,Indore
	0822IT191037	SHRAVAN PATIDAR				SVCE,Indore
7	0822IT191017	PRINCE CHOUHAN	Play with Extension	G7	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191029	SANDIP				SVCE,Indore
	0822IT191022	RITIK SILAWAT				SVCE,Indore
8	0822IT191001	AAKASH VERMA	Music Web Player	G8	Ms.Priya Sen	SVCE,Indore
9	0822IT191003	ABHISHEK SHARMA	Voice For Wild Life	G9	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191024	RIYA PATIDAR				SVCE,Indore
	0822IT191043	VERSHA BAGDE				SVCE,Indore
10	0822IT191031	SURYAWANSHI	Placement Cell	G10	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191021	THAKUR				SVCE,Indore
	0822IT191004	ADITYA GAIKWAD				SVCE,Indore
11	0822IT191027	SANA SHEIKH	Quiz Application	G11	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191009	HARSHITA SHEVRE				SVCE,Indore
	0822ME191020	MOMITA DAS				SVCE,Indore
12	0822IT191008	DEEPIYOTI NAPIT	E-Commerce Website	G12	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191011	KUNAL SINGH				SVCE,Indore
	0822IT191035	SHOBHI DUBEY				SVCE,Indore
13	0822IT191013	NIKITA VERMA	Smart Notepad	G13	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191026	SALONI PANCHAL				SVCE,Indore
14	0822IT191033	SHIVAM SAHANA	Visual Sorting	G14	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191038	SHRUTI SHARMA				SVCE,Indore

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15	0822IT191002	AASHISH YADAV	Relax & Rent Services	G15	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191018	PRIYANKA FEGDE				SVCE,Indore
	0822IT191042	VANSHIKA LAAD				SVCE,Indore
16	0822IT191010	KANAK MAGRE	Desktop Application Editor	G16	Ms.Chandramala Amarji	SVCE,Indore
	0822IT191019	PRIYANSHU LAAD				SVCE,Indore
	0818IT191065	VIJAY RATHODE				SVCE,Indore
17	0818IT191036	SHOBHIT KATIYAR	Personal Voice Assistant	G17	Ms.Chandramala Amarji	SVCE,Indore
	0818IT191016	NISHAD THATTE				SVCE,Indore
	0818IT191039	SHUBHAM PRASAD				SVCE,Indore

Project Coordinator  
Ms. Meenakshi Prajapati

*Meenakshi Prajapati*

HOD - IT  
Head  
Department of Information Technology  
Swami Vivekanand College of Engineering, Indore

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# Quiz Application



A Dissertation submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

**Guided By:-**

**Ms. Chandramala Amarji**  
Assistant Professor



**Submitted By:-**

**Sana Sheikh (0822IT191027)**  
**Harshita Shevre (0822IT191009)**  
**Momita Das (0822ME191020)**

**Department of Information Technology**  
**Swami Vivekanand College of Engineering, Indore**  
**June 2023**

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**KHANDWA ROAD, INDORE**

# Dissertation Approval Sheet

The dissertation entitled “Quiz Application” submitted by Sana Sheikh , Harshita Shevre and Momita Das is approved as partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2023.



Internal Examiner



External Examiner



Principal

Swami Vivekanand College of Engineering, Indore (M.P.)



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# Abstract

The project: “**Quiz Application**” is a collection of number of different types of quizzes like technical, games, sports, etc. A user can access/play all of the quiz and can attempt any of the one. There will be limited number of questions and for each correct answer user will get a credit score. User can see answers as well as can ask a query related to it. There are many quiz applications available currently on internet. But there are few which provide better understanding between users and the application like, providing proper answers, user query solving, uploading user questions as well as answer to it, etc.

To develop a user friendly quiz application which will contain :

Numbers of quiz, Answers to every question, Query solving regarding any question, Uploading of user question and answer , and to improve the knowledge level of users. To develop a application which will contain solution to the above problems. By this application the user will come to know about his/her level and can learn additional knowledge. Also by this application a user can expand his/her knowledge among the world.



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# Ticket Buddy



A Dissertation submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

**Guided By:**

**Ms. Chandramala Amarji**  
Assistant Professor

**Submitted By:**

**Rohan Gehlod (0822IT191025)**  
**Vishal Malviya (0822IT191046)**

**Department of Information Technology**  
**Swami Vivekanand College of Engineering, Indore**  
**June 2023**

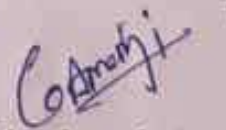
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## Recommendation

The project entitled "Ticket Buddy" submitted by Rohan Gehlod and Vishal Malviya is a satisfactory account of the bonafide work done under our supervision is recommended towards the partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal for the academic year 2023.

Date: 22/12/23



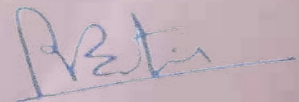
Ms. Chandramala Amarji  
Project Guide

Endorsed By  
Head,



Department of Information Technology


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## Dissertation Approval Sheet

The dissertation entitled **Ticket Buddy** submitted by **Rohan Gehlod and Vishal Malviya** is approved as partial fulfillment for the award of **Bachelor of Engineering in Information Technology** degree by **Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal** for the academic year 2023.



Internal Examiner



External Examiner

Principal

Swami Vivekanand College of Engineering,  
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KHANDWA ROAD, INDORE

## Candidate Declaration


We hereby declare that the work which is being presented in this project entitled **Ticket Buddy** in partial fulfillment of degree of **Bachelor of Engineering in Information Technology** is an authentic record of our own work carried out under the supervision and guidance of **Ms. Chandramala Amarji, Assistant Professor in Department of Information technology, Swami Vivekananda College of Engineering, Indore.**


We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.

Date: 22/12/23  
Place: Indore (MP)

Rohan Gehlod

Vishal Malviya

  
IQAC COORDINATOR  
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## ABSTRACT

Science and Technology has changed this world into a small, Secure and easy to manage every activity of the individual and Organization. Everything is more secure, easy to use and easily accessible in this modern world.

This application is like a reselling ticket made in JAVA. This web application developed in JAVA platform is replication of the ticket purchase app we all are familiar with and which we use quite often on a daily basis. The only difference being that, this application has been created using HTML and CSS for front-end Interface.

The data in the application is stored in the desired location. This Web application is Ticket Buddy that extends the basic and Smart Features to the end user.



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A

Major Project 2

**Smart Vyapari Web Application**

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

**BACHELOR OF ENGINEERING**

**(Information Technology & Engineering)**

Submitted To



**RAJIV GANDHI PRODYOGIKI VISHWA VIDYALAYA, BHOPAL (M.P)**

Submitted by

**AVADHESH PATEL  
VIRENDRA GUNJAN  
YASHPAL SISODIYA**

Enrollment No- 0822IT191007  
Enrollment No- 0822IT191044  
Enrollment No- 0822IT191047



**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
(Department of Information Technology & Engineering) BHOPAL (M.P.)**

Month- Year

**SESSION: 2022-23**

Under The Guidance of

**Prof. Chaitanendra  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF**

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KHANDWA ROAD, INDORF**

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INDORE (M.P.)  
(Affiliated to RGPV Bhopal recognized by: Gov of MP)



CERTIFICATE

This is to certify that the Minor Project Report entitled " **AVDHESH PATEL , VIRENDRA GUNJAN, YASHPAL SISODIYA** " submitted to "Rajiv Gandhi Proudyogiki Vishwavidhyalaya : Bhopal" by Student Name is a partial fulfillment of the requirement for the award of the degree in **B.Tech** with specialization in Department Name **INFORMATION TECHNOLOGY & ENGINEERING**.

Prof. Aarti Khare  
IT Department  
SVCE, Indore

Prof. Chandramala Amarji  
HOD IT Department  
SVCE, Indore

Dr. Pradeep Patil  
Principal  
SVCE, Indore

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

PRINCIPAL  
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SWAMI VIVEKANAND COLLEGE OF ENGINEERING,  
INDORE (M.P)



CERTIFICATE OF APPROVAL

The Minor Project Report title entitled "SMART VYAPARI WEB APPLICATION" being submitted by Avadhesh Paatel (0822IT191007), Virendra Gunjan (0822IT191044), Yashpal Sisodiya (0822IT191047), has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Information Technology Engineering)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

(Internal Examiner)

Date:

(External Examiner)

Date: 22/12/23

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## Abstract

Smart Vyapari is a web application designed to help small business owners manage their operations more efficiently. The application provides a range of tools and features that are specifically designed to meet the needs of small business owners, including inventory management, sales tracking, invoicing, and customer relationship management.

One of the key features of Smart Vyapari is its user-friendly interface, which makes it easy for small business owners to navigate and use the application. The application also includes a dashboard that provides a snapshot of key performance indicators, such as sales, inventory levels, and customer data.

In addition to these core features, Smart Vyapari also includes a range of add-ons and integrations that can be used to extend the functionality of the application. For example, users can connect the application to popular accounting software, such as QuickBooks or erp, or integrate it with e-commerce platforms like Shopify or Woo Commerce.

Overall, Smart Vyapari is a comprehensive web application that provides small business owners with the tools they need to manage their operations more effectively, while also helping them to streamline their processes and increase their productivity.



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# Visual Sorting



A Dissertation submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

**Guided By:**

Ms. Chandramala Amarji  
Assistant professor

**Submitted By:**

Shivam Saxena(0822IT191033)  
Shruti Sharma(0822IT191038)

Department of Information Technology

Swami Vivekanand College of Engineering, Indore

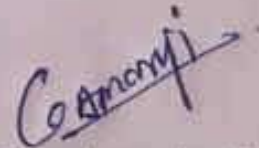
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KHANDWA ROAD, INDORE

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SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Recommendation

The project entitled "Visual Sorting" submitted by Shruti Sharma and Shivam Saxena is a satisfactory account of the bonafede work done under our supervision is recommended towards the partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2023.

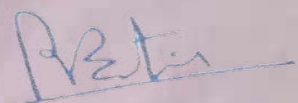
Date:



Ms. Chandramala Amarji  
Project Guide



Endorsed By  
Head,  
Department of Information Technology  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE



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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Dissertation Approval Sheet

The dissertation entitled "Visual Sorting" submitted by Shrutu Sharma and Shivam Saxena is approved as partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2023.



Internal Examiner



External Examiner

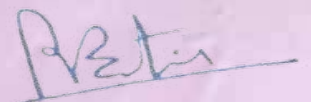
Principal

Swami Vivekanand College of Engineering,  
Indore (M.P.)

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KHANDWA ROAD, INDORE



IQAC COORDINATOR  
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KHANDWA ROAD, INDORE



PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Candidate Declaration

We hereby declare that the work which is being presented in this project entitled “**Visual Sorting**” in partial fulfillment of degree of **Bachelor of Engineering in Information Technology** is an authentic record of our own work carried out under the supervision and guidance of **Ms. Chandramala Amarji, Assistant Professor in Department of Information technology, Swami Vivekananda College of Engineering, Indore.**


We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.

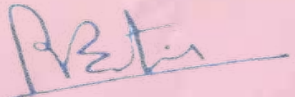
Date: 22/12/23

Place: Indore (MP)

Shivam Saxena

Shruti Sharma

  
IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
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# ABSTRACT

## INDEX

Sequences of execution of algorithms in an interactive manner using AV tools are employed in this project.

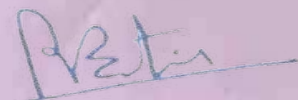
It helps to realize the concept of fundamentals of algorithms such as sorting method in a simple manner.

Visualization gains more attention than theoretical study and it is an easy way of learning process. We propose methods for finding runtime sequence of each algorithm in an interactive way and aims to overcome the drawbacks of the existing character systems.

System illustrates each and every step clearly using text and animation. Comparisons of its time complexity have been carried out and results show that our approach provides better perceptive of algorithms



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KHANDWA ROAD, INDORF

# E-Commerce Website



A Dissertation submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

**Guided by:**  
Ms. Chandramala Amarji  
Assistant Professor

**Submitted by:**  
Deepjyoti Napit(0822IT191008)  
Kunal Singh(0822IT191011)  
Shobhit Dubey(0822IT191035)

**Department of Information Technology**  
**Swami Vivekanand College of Engineering, Indore**  
**June 2023**


**IQAC COORDINATOR**  
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**KHANDWA ROAD, INDORF**

**PRINCIPAL**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORF**


## Recommendation


The project entitled "E-Commerce Website" submitted by Deepjyoti Napit, Kunal Singh, Shobhit Dubey is a satisfactory account of the bonafide work done under our supervision is recommended towards the partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2023.

Date: 22/12/23

  
Ms. Chandramala Amarji  
Project Guide

Endorsed By  
Head,  
Department of Information Technology

  
IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

  
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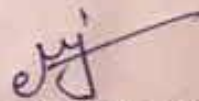


## Dissertation Approval Sheet

The dissertation entitled "E-Commerce Website" submitted by Deepjyoti Napit, Kunal Singh, Shobhit Dubey is approved as partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2023.



Internal Examiner



External Examiner

Principal

Swami Vivekanand College of Engineering,

Indore (M.P.)



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KHANDWA ROAD, INDORE

## Candidate Declaration

We hereby declare that the work which is being presented in this project entitled "E-Commerce Website" in partial fulfillment of degree of **Bachelor of Engineering in Information Technology** is an authentic record of our own work carried out under the supervision and guidance of **Ms. Chandramala Amarji, Assistant Professor in Department of Information technology, Swami Vivekananda College of Engineering, Indore.**


We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.


Date: 22/12/23  
Place: Indore (MP)

Deepjyoti Nair

Kunal Singh

Shobhit Dubey

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

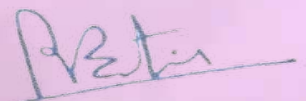
  
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## ABSTRACT

In recent times, it has become necessary for any business to have an online presence in order to remain relevant and competitive. As a result of this necessity many businesses, including small enterprises, now operate an e-commerce web store so as to increase sales and attract new customers. Also, business owners do not have to worry about finding a place to erect their stores and customers can have unhindered access to a wide range of products at anytime and anywhere in the world. The objective of this thesis project was to develop an e-commerce Java web application for a small retail store where the store owner sells his/her products online. The application allows the owner to manage products, customers, and orders. Also, with the application customers make orders and pay for the ordered products. The application uses PayPal Express Checkout as its payment solution. In addition, the web store offers customers and visitors to the site an opportunity to subscribe to an email list in order to get news about new products and special offers. Lastly, the application sends an automatic email confirmation after completing an order or subscribing to an email list. The development of this application was carried out on Eclipse IDE using the Java programming language. The database communication of the application was implemented by using JPA and JPQL, and MySQL database was used to store the application data. The application was structured according to the Model View Controller (MVC) pattern. The model, the view and the controller layers were implemented by using JavaBeans, JSPs, and Servlet API respectively. The payment transaction of the application was carried out on PayPal Sandbox (testing environment) with different NVP API operations.



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**Swami Vivekanand College of Engineering, Indore**

**Department of Electronics and Communication Engineering**

**On the basis of students choice and their CGPA (Avg) the following guide and guide approved projects are allotted for Major Project June 2023/ VIII sem**


S NO	Group Number	Enrollment No	Name of Students	Project Name	Guide Alloted	Place
1	G-1	0822EC191017	Harsh Sahu	Floor Cleaning Robot	Mr. Ravindra Sharma	SVCE,Indore
2		0822EC191024	Khushi Jain			SVCE,Indore
3		0822EC191027	Manikant Yadav			SVCE,Indore
4	G-2	0822EC191032	Pankaj Singh	Vehicle Speed Detector	Mr.Hemant Verma	SVCE,Indore
5		0822EC191026	Lokendra Prajapati			SVCE,Indore
6		0822EC191011	Atul Yadav			SVCE,Indore
7		0822EC191022	Jyoti Giri			SVCE,Indore
8	G-3	0822EC191025	Kundan Nagar	Human Robot	Mrs. Megha Soni	SVCE,Indore
9		0822EC191003	Akshay Nimore			SVCE,Indore
10		0822EC191010	Anshu Tripathi			SVCE,Indore
11		0822EC191037	Sachin Pal			SVCE,Indore
12		0822EC203D01	Dushant Choudhary			SVCE,Indore
13		0822EC203D03	Mayur Ashwar			SVCE,Indore
14	G-4	0822EC191007	Ankit Patel	IoT based Home Automation	Mr.Hemant Verma	SVCE,Indore
15		0822EC191009	Ankur Patel			SVCE,Indore
16		0822EC203D04	Naina Sawle			SVCE,Indore
17		0822EC191021	Irfan Shaikh			SVCE,Indore
18		0822EC191029	Nafees Shaikh			SVCE,Indore
19		0822EC191034	Praveen Kumar Sahu			SVCE,Indore
20		0822EC191035	Praveen Kumar			SVCE,Indore
21	G-5	0822EC191002	Ajay Karma	Laser Security Room	Mr. Rohit Yadav	SVCE,Indore
22		0822EC191018	Harshit Boriya			SVCE,Indore
23		0822EC191038	Sahil Rathod			SVCE,Indore
24		0822EC191005	Aman Giri			SVCE,Indore
25	G-6	0822EC191015	Bhupendra Raykhere	Voice Controlled Home Automation	Mr. Jayesh Dabi	SVCE,Indore
26		0822EC191031	Nikhil Bhatt			SVCE,Indore
27		0822EC191047	Yogesh Manjari			SVCE,Indore

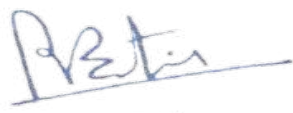
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28	G-7	0822EC191041	Satyam Kushwah	Door look via Face Detection	Mr. Jayesh Dabi	SVCE,Indore
29		0822EC191043	Shivam Panwar			SVCE,Indore
30		0822EC191039	Sanskar Chourasiya			SVCE,Indore
31		0822EC191036	Rohit Sarode			SVCE,Indore
32	G-8	0822EC191030	Ankit Yadav	Air Pollution Monitoring System	Mr. Jayesh Dabi	SVCE,Indore
33		0822EC191044	Shivai Mujalde			SVCE,Indore
34		0822EC191008	Neha Yadav			SVCE,Indore
35		0822EC191013	Ayshi Prajapat			SVCE,Indore
36	G-9	0822EC191040	Sarika Vishnoi	Microstrip Antenna	Mr. Rohit Yadav	SVCE,Indore
37		0822EC191045	Shreya Burande			SVCE,Indore

  
 HoD  
 ECE Department **Head**  
 Department of Electronics & Communication Engg.  
 Swami Vivekanand College of Engineering, Indore

  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)

(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



Session 2022-23

Major Project II

“Floor Cleaning Robot”

Major Project Report submitted to

Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal

Towards partial fulfillment of the degree of

Bachelor of Engineering in

Electronics and Communication Engineering

**Submitted To:**

Mr. Ravindra Sharma Sir

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

**Submitted By :**

Harsh Sahu (0822EC191017)

Khushi Jain (0822EC191024)

Manikant Yadav (0822REC191027)

PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE-452001(M.P.)**



**Recommendation**

This is to certify that the major project entitled "Floor Cleaning Robot". Submitted by Harsh Sahu, Khushi Jain and Manikant Yadav students of BTech fourth year of Electronics and Communication engineering department , in the year 2023 is a satisfactory account of work based on syllabus, which is approved for the partial fulfillment of degree of bachelor of Engineering.

**Internal Examiner:**

**External Examiner:**

**IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF**

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SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**  
**INDORE-452001(M.P.)**



**Certificate**

We hereby recommend that the major project entitled "Floor Cleaning Robot" submitted by Harsh Sahu, Khushi Jain and Manikant Yadav is approved for the partial fulfillment of degree of Bachelor of Engineering in Electronics and communication.

**Principal**  
Mr. Pradeep Patil Sir

**HOD**  
Mrs. Megha Soni Mam

**Guide**  
Mr. Ravindra Sharma Sir

**IQAC COORDINATOR**  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

**PRINCIPAL**  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE



**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**  
**INDORE-452001(M.P.)**



**Declaration**

We Harsh Sahu, Khushi Jain and Manikant Yadav student of Swami Vivekanand college of Engineering hereby declare that this project “ **Floor Cleaning Robot**” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

**Name & Roll No. :**

Harsh Sahu (0822EC191017)

Khushi Jain (0822EC191024)

Manikant Yadav (0822REC191027)

**IQAC COORDINATOR**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORF**

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**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

# “Vehicle Speed Detection System Using Arduino”



A

**Major Project**

**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Electronics & Communication*

*Supervised by*

**Prof. Hemant Verma**

*Submitted by*

**Student Name:**

**Pankaj Singh**

**Lokendra Prajapat**

**Atul Yadav**

**Jyoti Giri**

**Department of Electronics & Communication Engineering**  
**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
**Session Jan-May-2023**

A handwritten signature in black ink, appearing to be 'H.V.', is written over the printed name of the IQAC Coordinator.

**IQAC COORDINATOR**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

A handwritten signature in blue ink, appearing to be 'P. B. Singh', is written over the printed name of the Principal.

**PRINCIPAL**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

Swami Vivekanand College of Engineering, Indore (M.P.), India  
Department of Electronics & Communication Engineering



Jan-May-2023

**Certificate**


This is to certify that this Major Project entitled “**Vehicle Speed Detection System Using Atduino**” Submitted by Atul Yadav, Pankaj sikh , Lakendra Prajapati and Jyoti Giri accepted for the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics & Communication.**

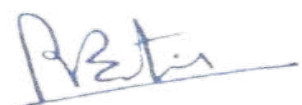
  
Internal Examiner:

Date: 11/05/23

  
External Examiner:

Date: 11/05/23

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING INDORE-452001(M.P.)

(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



Major Project on

**Human Robot**

Major Project Report submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards partial fulfillment of the degree of

Bachelor of Engineering in

Electronics and Communication Engineering

**Guided By:**

Mrs Megha Soni

**Submitted By:**

Kundan Nagar (0822EC191025)

Akshay Nimore (0822EC191003)

Anshu Tripathi (0822EC191010)

Sachin Pal (0822EC191037)

Dushyant Choudhury (0822EC203D01)

Mayur Aswer (0822EC203D04)

Project Coordinator:

Mr. Hemant Verma

IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING INDORE-452001(M.P.)



## Certificate

This is to certify that the major project entitled **Human Robot**. Submitted by Kundan Nagar, Akshay Nimore, and Anshu Tripathi, Sachin Pal, Dushant Choudhary and Mayur Ashwar students of BE fourth year of Electronics and Communication engineering department, in the year 2023 is a satisfactory account of work based on syllabus, which is approved for the partial fulfillment of degree of bachelor of Engineering.

Internal Examiner:

External Examiner:

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Recommendation

We here by recommend that the major project entitled **Human Robot** submitted by Kundan Nagar, Akshay Nimore, Anshu Tripathi, Sachin Pal, Dushant Choudhary and Mayur Ashwar approved for the partial fulfillment of degree of Bachelor of Engineering in Electronics and communication.

Principal

Mr. Pradeep Patil

HOD

Mrs. Megha Soni

Guide

Mrs. Megha Soni

IQAC COORDINATOR  
SWAMI VIVEKANAND  
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KHANDWA ROAD, INDORE

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**  
**INDORE-452001(M.P.)**



**Declaration**

We Kundan Nagar, Akshay Nimore, Anshu Tripathi, Sachin Pal, Dushant Choudhary and Mayur Ashwar student of Swami Vivekanand college of Engineering hereby declare that this project **Human Robot** is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

Name & Roll No,

Kundan Nagar (0822EC191025)


Akshay Nimore (0822EC191003)


Anshu Tripathi (0822E191010)

Sachin Pal (0822EC191037)

Dushyant Choudhary (0822EC203D01)

Mayur Ashwar (0822EC203D04)

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING INDORE-452001(M.P.)

(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



Major Project On

**IOT BASED HOME AUTOMATION**

Major Project Report submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**

Towards partial fulfillment of the degree of

**Bachelor of Engineering in**

**Electronics and Communication Engineering**

**Guided By:**

Rohit Yadav Sir

**Submitted By:**

Ankit Patel (0822EC191007)

Ankur Patel(0822EC191009)

Irfan sheikh(0822EC191021)

Nafees shaikh(0822EC191029)

Naina Sawle (0822EC203D04)

Praveen Kumar Sahu(0822EC191034)

Pravin Kumar(0822EC191035)

**Project Coordinator:**

Hemant Verma Sir

IQAC COORDINATOR  
A | P | S | S | C  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE



# SWAMI VIVEKANAND COLLEGE OF ENGINEERING INDORE-452001(M.P.)



## Certificate

This is to certify that the minor project entitled "IOT BASED HOME AUTOMATION SYSTEM" Submitted by Ankit Patel, Ankur Patel, Irfan Sheikh, Nafees Shaikh, Praveen Kumar Sahu, Pravin Kumar and Naina Sawle students of B.E. fourth year of Electronics and Communication engineering department in the year 2023 is a satisfactory account of work based on syllabus, which is approved for the partial fulfillment of degree of bachelor of Engineering.

Principal Sir

Mr. Pradeep Patil Sir

HOD

Mrs. Megha Soni Mam

Coordinator


Mr. Hemant Verma Sir


**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE-452001(M.P.)**




**Declaration**

We Ankit Patel, Ankur Patel, Irfan Sheikh, Nafees Shaikh, Praveen Kumar Sahu, Pravin Kumar and Naina Sawle Students of Swami Vivekanand college of Engineering hereby declare that this project” Hemant Verma” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

  
Internal Examiner:

  
External Examiner:

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# "Laser Security Room"



## Major Project

Submitted to the

**Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Bhopal (M.P.)**

In partial fulfillment of the requirement for the degree of

*Bachelor of Technology*

*In*

*Electronics & Communication*

*Supervised by*

Prof. Hemant Verma

*Submitted by*


Student Name:

Ajay Karma

Aman Giri

Harshit Boriya

Sahil Rathore

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE


**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE- 452001(M.P.)**





**CERTIFICATE**

This is to certify that the major project entitled “ **Laser Security Room**” Submitted by **Ajay karma ,Aman Giri, Harshit Boriya and Sahil Rathore** students of B. Tech fourth year of Electronics and Communication engineering department , in the year 2023 is a satisfactory account of work based on syllabus, which is approved for the partial fulfillment of degree of bachelor of Engineering.

  
Internal Examiner:

  
External Examiner:

  
IQAC COORDINATOR  
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KHANDWA ROAD, INDORE

  
PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE-452001(M.P.)



RECOMMENDATION

We hereby recommend that the major project entitled “ **Laser Security Room**” Submitted by **Ajay karma ,Aman Giri, Harshit Boriya and Sahil Rathore** is approved for the partial fulfillment of degree of Bachelor of Engineering in Electronics and communication.

Principal

Dr. Pradeep Patil Sir

HOD

Dr. Megha Soni Mam

Guided by

Mr. Heman Verma Sir

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Declaration

We **Ajay karma ,Aman Giri, Harshit Boriya and Sahil Rathore** student of Swami Vivekanand College Of Engineering here by declare that this project “**Laser Security Room**” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.


### Name & Rollno:

Ajay Karma (0822EC101002)

Aman Giri (0822EC101005)

HarshitBoriya (0822EC191018)

Sahil Rathore (0822EC191038)

  
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PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# “Voice Control Home Automation Using NodeMCU, Google Assistant”



**A**

**Major Project**

**Submitted to the**

**Rajiv Gandhi Pradyogiki Vishwavidyalaya  
Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Electronics & Communication*

*Supervised by*

**Prof. Hemant Verma**

*Submitted by*

**Student Name:  
Bhupendra Raykhare  
Nikhil Birla  
Yogesh Mangule**

**Department of Electronics & Communication Engineering  
Swami Vivekanand College of Engineering, Indore (M.P.), India  
Session Jan-May-2023**

**IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF**

**PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**


**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
**Department of Electronics & Communication Engineering**



**Jan-May-2023**

**Certificate**

This is to certify that this Major Project entitled “**Voice Control Home automation using NodeMCU**” Submitted by Bhupendra Raykhere, Nikhil Birla and Yogesh Mangule accepted for the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics & Communication**.

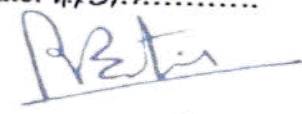
  
Internal Examiner:

Date: .....

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
External Examiner:

Date: 11/5/23.....

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF



## Candidate Declaration

I hereby declare that the work, which is being presented in the Major Project, entitled "voice control Home automation using NodeMCU" partial fulfillment of the requirements for the award of degree of **Bachelor of Technology in Electronics & Communication**, submitted in the department of **Electronics and Communication Engineering**, Swami Vivekanand College of Engineering, Indore (M.P.) is an authentic record of my own work carried under the guidance of Prof. Megha soni, Head of EC Dept., SVCE, INDORE. I have not submitted the matter embodied in this report for award of any other degree.

Date: 14/11/2023

Place: ...INDORE



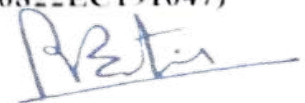
IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

Student Name

Bhupendra Raykhare (0822EC191015)

Nikhil Birla (0822EC191031)

Yogesh Mangule (0822EC191047)



PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

# “Smart Door Lock System Using Face Recognition”



A

**Major Project**

**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Electronics & Communication*

*Supervised by*

**Prof. Hemant Verma**

*Submitted by*

**Student Name:**

**Rohit Sarode**

**Shivam Panwar**

**Sanskar Chourasiya**

**Satyam Kushwah**

**Department of Electronics & Communication Engineering**  
**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
**Session Jan-May-2023**

**IQAC COORDINATOR**  
**SWAMI VIVEKANAND**  
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**KHANDWA ROAD, INDORF**

**PRINCIPAL**  
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**KHANDWA ROAD, INDORF**

Swami Vivekanand College of Engineering, Indore (M.P.), India  
Department of Electronics & Communication Engineering



Dec-May-2023

**Certificate**

This is to certify that this Major Project entitled “**Smart Door Lock System Using face Recognition**” Submitted by Student Name Rohit Sarode , Shivam Panwar , Sanskar Chourasiya , Satyam Kushwah accepted for the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Electronics & Communication.**

  
Internal Examiner:

Date: .....11/5/23..

  
External Examiner:

Date: 11/5/23.....

  
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KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Recommendation

We here by recommend that the major project entitled” **Smart Door Lock System Using Face Recognition**” submitted by **Rohit Sarode, Shivam Panwar, Sanskar Chourasiya and Satyam Kushwah** is approved for the partial fulfillment of degree of Bachelor of Engineering in Electronics and communication.

Principal

Dr. Pradeep Patil

HOD

Dr. Megha Soni

Guide

Mr. Hemant Verma

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INDORE-452001(M.P.)**

**(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)**



**MAJOR PROJECT II  
AIR POLLUTION MONITORING SYSTEM**

Major Project Report submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal  
Towards partial fulfillment of the degree of  
Bachelor of Engineering in  
Electronics and Communication Engineering


**SUBMITTED BY:**

SHIVANI MUJALDE (0822E191044)

NEHA YADAV (0822EC191030)

ANKIT YADAV (0822E191008)

AYUSHI PRAJAPAT (822EC0191013)

  
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KHANDWA ROAD, INDORE

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**  
**INDORE-452001(M.P.)**



This is to certify that the major project entitled Air Quality Monitoring System. Submitted by Shivani Mujalde, Neha Yadav, Ayushi Prajapat and Ankit Yadav students of B.Tech fourth year of Electronics and Communication engineering department, in the year 2023 is a satisfactory account of work based on syllabus, which is approved for the partial fulfillment of degree of bachelor of Engineering.

*Harsh*  
Internal Examiner:

*Ad*  
IQAC COORDINATOR  
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*Prakash*  
External Examiner:

*Prakash*  
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KHANDWA ROAD, INDORE

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE-452001(M.P.)**



**Certificate**

We hereby recommend that the major project entitled "Air Pollution Monitoring System" submitted by Shivani Mujalde, Neha Yadav, Ayushi Prajapat and Ankit Yadav is approved for the partial fulfillment of degree of Bachelor of Engineering in Electronics and communication.

**Principal**

Mr. Pradeep Patil Sir

**HOD**

Mrs. Megha Soni Mam

**Guide**

Mr. Jayesh Dabi Sir

**IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

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KHANDWA ROAD, INDORE**

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE-452001(M.P.)**

(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



**Declaration**

We Shivani Mujalde, Neha Yadav, Ankit Yadav and Ayushi Prajapat student of Swami Vivekanand college of Engineering hereby declare that this project "Air Pollution Monitoring System" is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

**SUBMITTED BY:**

SHIVANI MUJALDE (0822E191044)

NEHA YADAV (0822EC191030)

ANKIT YADAV (0822EC191008)

AYUSHI PRAJAPAT (822EC0191013)

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KHANDWA ROAD, INDORF**

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SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**




## Final Year Major Project Allocation list Jan-June 2023

Sr.	Group Number	Name of Student	Enrollment No.	Topic Name	Guide name	PLACE
1	G-1	DEEPAK KUMAR TIWARI	0822CE191009	Comparative Study of the concrete Prepared by Partial Replacement of Sand with Mix	Mr. Sharad Chourasia	SVCE, INDORE
		DEEPAK PRAJAPAT	0822CE191011			SVCE, INDORE
		DHAIRYA RATHORE	0822CE191014			SVCE, INDORE
		MANITA SHARMA	0822CE203D08			SVCE, INDORE
2	G-2	AAKASH SOLANKI	0822CE191001	To Experiment Concrete Filled Steel Tube	Mr. Goutam verma	SVCE, INDORE
		DEEPAK KUSHWAHA	0822CE191010			SVCE, INDORE
		NIMESH BORSIYA	0822CE191023			SVCE, INDORE
		SANDIP	0822CE191027			SVCE, INDORE
		YOGENDRA BINZADE	0822CE191033			SVCE, INDORE
		YUVRAJ	0822CE191034			SVCE, INDORE
3	G-3	AMAN LOWANSHI	0822CE191003	EXPERIMENTAL STUDY ON BEHAVIOUR OF BLACK COTTON SOIL USING WOOD ASH AS A STABILIZER	Ms. Sakshi Thora	SVCE, INDORE
		ARUN YADAV	0822CE191005			SVCE, INDORE
		AYUSH JAISWAL	0822CE191006			SVCE, INDORE
		KAMAL BHURIYA	0822CE191018			SVCE, INDORE
		MOND. YUSUF KHAN	0822CE191020			SVCE, INDORE
		RAHUL	0822CE191024			SVCE, INDORE
		RISHABH	0822CE191026			SVCE, INDORE
5	G-4	AYUSHI CHOUHAN	0822CE191007	NOMINAL MIX DESIGN OF GEOPOLYMER CONCRETE IN M20 GRADE	Mr Kapil Kushwah	SVCE, INDORE
		DEVASHISH SHARMA	0822CE191013			SVCE, INDORE
		KALPANA BHAVEL	0822CE191017			SVCE, INDORE
		KRISHNAKANT AHIRWAR	0822CE191019			SVCE, INDORE
		SOURABH SAHU	0822CE191030			SVCE, INDORE
		VIJAY TAWAR	0822CE191032			SVCE, INDORE
6	G-5	GOUTAM PADIYAR	0822CE191015	EARTHEN DAM	Mr Kapil Kushwah	SVCE, INDORE
		DEVENDRA MALVIYA	0822CE203D03			SVCE, INDORE
		AJAY PRAJAPAT	0822CE203D01			SVCE, INDORE
7	G-6	GAURAV SAPKALE	0822CE203D06	STUDY AND REDESIGN OF LOCAL WATER TREATMENT	Mr. Vikas Joshi	SVCE, INDORE
		DHANANJAY NAGAR	0822CE203D04			SVCE, INDORE
		JAY VYAS	0822CE203D07			SVCE, INDORE
		NAVNEET VYAS	0822CE203D09			SVCE, INDORE
		ANKITA	0822CE203D02			SVCE, INDORE

  
 Ms. Sakshi Thora  
 project coordinator

  
 Mr. Goutam verma  
 HOD Civil

  
 IQAC COORDINATOR  
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 COLLEGE OF ENGINEERING  
 KHANDWA ROAD, INDORE

  
 PRINCIPAL  
 SWAMI VIVEKANAND  
 COLLEGE OF ENGINEERING  
 KHANDWA ROAD, INDORE

**“NOMINAL MIX DESIGN OF GEOPOLYMER CONCRETE IN  
M20 GRADE”**



**A**

**Major project**

**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

***Bachelor of Technology***

***In***

***Civil Engineering***

***Guided by.***

**Mr. Kapil Kushwaha**

***Submitted by***

Ayushi Chouhan (0822CE191007)  
Devashish Sharma (0822CE101913 )  
Kalpana Bhavel (0822CE191017)  
Krishnakant Ahirwar (0822CE191019)  
Sourabh Sahu (0822CE191030)  
Vijay Tawar ( 0822CE191032 )

**Department of Civil Engineering**  
**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF  
Session Jan-June-2022

**PRINCIPAL**  
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**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

Swami Vivekanand College of Engineering, Indore (M.P.), India  
Department of Civil Engineering



Jan-June-2022

**Certificate**

This is to certify that this Dissertation entitled "Nominal mix design of Geopolymer concrete in M20 grade" submitted by Aayushi chouhan (0822CE191007) Kalpana Bhavel (0822CE191017), Devashish Sharma (0822CE19101), Vijay Tawar (0822CE1910) Krishnakant Ahirwar (0822CE191019), Sourabh Sahu (0822CE191030), accepted for the partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Civil Engineering.

Internal Examiner:

Date: 06/12/22



External Examiner:

Date: 06/12/22

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDRF



PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Abstract

An important ingredient in the conventional concrete is the Portland cement. The production of one ton of cement emits approximately one ton of carbon dioxide to the atmosphere. Portland cement is responsible for upward of 85 percent of the energy and 90 percent of the carbon dioxide attributed to a typical ready-mixed concrete.

The geopolymer concrete uses major industrial waste - fly ash. Fly ash is generated from industrial waste and easily available around the world. Most of the fly ash is not effectively used and a large part of it is disposed in landfills. Considering this, it is clear that the use of geopolymer concrete can be proved economical and also eco-friendly. In today's time, this technology is being used widely in the USA, Europe and Australia.


It is being used for railway sleepers, electric power poles, road pavements, cement mortar, Marine structures and Waste containments. The current trend of research is under way to develop geopolymer systems that create a low embodied energy, low carbon dioxide binder that has similar properties to Portland cement.

In addition, current research is focusing on the development of user-friendly geopolymer concrete. Utilization of geopolymer concrete brings economy in construction; reduce pollution and less harmful to the environment. So far in India, geopolymer concrete has been used in the Delhi Metro Project.

Thus, it can be considered that Geopolymer concrete, as a replacement for Portland cement has wide scope in India.



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KHANDWA ROAD, INDORE

**“Comparative Study of the Concrete prepared by partial replacement of sand with mix waste plastic”**



**A**

**Major project**

**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Civil Engineering*

*Guided by*

**Mr. Sharad Chaurasia**

*Submitted by*

**Deepak Tiwari (0822CE191009)**  
**Deepak Prajapat (0822CE191011)**  
**Dhairya Kathore (0822CE191014)**  
**Manita Sharma (0822CE191D08)**

**Department of Civil Engineering**

**Swami Vivekanand College of Engineering, Indore (M.P.), India**

**Session July-Dec-2022**

**IQAC COORDINATOR  
SWAMI VIVEKANAND  
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KHANDWA ROAD, INDORF**

**PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF**

Swami Vivekanand College of Engineering, Indore (M.P.), India  
Department of Civil Engineering



July-Dec-2022

**Certificate**

This is to certify that this Dissertation entitled "Comparative Study of the Concrete prepared by partial replacement of sand with mix waste plastic" submitted by **Deepak Tiwari (0822CE191009), Deepak Prajapat (0822CE191011), Dhairya Kathore (0822CE191014), Manita Sharma (0822CE191D08)** accepted for the partial fulfillment of the requirement for the award of the degree of **Bachelor of Technology in Civil Engineering.**

*Sakshi*  
Internal Examiner:

Date: *06/12/22*



*A. V. ...*  
External Examiner:

Date: .....

*A. V. ...*

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KHANDWA ROAD, INDORF

PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Abstract

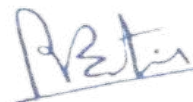
The objective of this study is to investigate the effectiveness of using waste plastic as a partial replacement of sand in concrete mix. The compressive strength of various concrete specimens were tested to determine how the replacement of fine aggregate by plastic waste would affect the development of strength in mixes. M-25 grade of concrete were used. Proportion of the concrete materials is determined by the concrete mix design as per the guidelines of IS:10262-2019. Three weight fractions 0%, 8% and 12% of shredded plastic waste were used to replace the fine aggregate in the batching. Compressive strength test was conducted on concrete specimens at the age of 7 and 28 days. The workability of the concrete decreases with the increase in waste plastic ratio. The 8% and 12% replacement of sand with the waste plastic showed a 22% and 43% loss of compressive strength at 7 days and at 28 days, it shows a 43% and 39% loss of strength in concrete respectively.

This study insures that reusing waste plastic in sand concrete gives a positive approach to reduce the cost of material and solve some environmental issues.

**Keywords:** Environment, Concrete mix design, Shredded plastic waste, Workability, Compressive strength test.



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**SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE**  
**MECHANICAL ENGINEERING DEPARTMENT**  
**SESSION: JAN JUNE 2023 VIII SEM (2019 to 2023 Batch)**

Major Project II (ME 805) Details					
Group No.	Roll No	Student Name	Guide Name	Project Title	Place
1	0822ME191005	Amit Prajapati	Ms. Priyanka Potghan	Earthquake Detector	SVCE, Indore
	0822ME191032	Rahul Singh			
	0822ME191040	Sourabh Vishwakarma			
	0822ME191006	Bhagirath Panwar			
2	0822ME19027	Pratik Pal	Mr. Ajay Bhargav	Humanoid Voice Control Robot	SVCE, Indore
	0822ME191036	Rohan Singh			
	0822ME191051	Vishal Malakar			
	0822ME191050	Vipul Yadav			
3	0822ME191012	Ganesh Patidar	Priyanka Ma'am	Magenetic Material Seprator	SVCE, Indore
	0822ME191033	Rahul Yaduvanshi			
	0863ME191073	Shruti Shukla			
	0822ME191034	Ritik Prajapat			
4	0822ME191008	Deepak Singh	Manoj Sharma Sir	Testing of Reinforced Epoxy Composite Material	SVCE, Indore
	0822ME191022	Niraj Farkale			
	0822ME191031	Rahul Chouhan			
	0822ME191026	Pradeep Kushwah			
5	0822ME191007	Chanchal Verma	Mr. Vishal Wankhede	CGL Line Working Model	SVCE, Indore
	0822ME191039	Sanjay Kushwah			
	0822ME191046	Sourabh Raghuvanshi			
	0822ME191014	Kuldeep Bhabar			
6	0822ME191001	Aashish Patil	Dr. Rahul Joshi	Equipment of Earthquake Detection and Warning with Vibration Sensor	SVCE, Indore
	0822ME191010	Durgesh Nikum			
	0822ME191042	Shubham Rathod			
	0822ME191045	Sourabh Patel			

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Handwritten signature and stamp of the Principal, Swami Vivekanand College of Engineering, Khandwa Road, Indore.




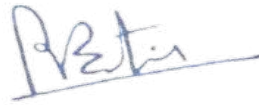
7	0822ME191024	Nitesh Malviya	Mr. Manoj Sharma	CFD Analysis of Fransis Turbine	SVCE, Indore
	0822ME191028	Pritesh Patidar			
	0822ME191047	Sourabh Sahni			
	0822ME191035	Ritik Surae			
8	0822ME191023	Nitesh Vishwakarma	Dr. Mayank Ladha	Design of Resistance Spot Welding Machine	SVCE, Indore
	0822ME191053	Vishal Vishwakarma			
	0822ME191029	Prithviraj Verma			
	0822ME191016	Lokesh Chouhan			
9	0822ME191018	Manish	Ms. Priyanka Potghan	Jar Automatic Cleaning and Washing Machine	SVCE, Indore
	0822ME191009	Deepak Vishvkarma			
	0822ME191004	Ajay Bake			
	0822ME191002	Abhishek			
	0822ME191015	Laxman Badole			
10	0822ME203D01	Abhishek Kaushal	Mr. Vishal Wankhede	FE - SEM and TGA Analysis of Hybrid Natural Fiber Reinforced Polymer Composite	SVCE, Indore
	0822ME203D04	Darshan Patil			
	0822ME203D02	Ajay Mourya			
	0822ME203D16	Vibhor Tiwari			
11	0822ME203D07	Mayur Verma	Mr. Manoj Sharma	FE - SEM and TGA Analysis of Polymer Composite Material	SVCE, Indore
	0822ME203D09	Nilesh Sisodiya			
	0822ME203D12	Pradeep Yadav			

  
Project Coordinator

  
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A

Major Project I

Submitted in partial fulfillment for the award of Graduate Degree of

Bachelor of Technology

In

Mechanical Engineering

“Design and Fabrication of Braking and Transmission in Go- kart”

Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya

BHOPAL (M.P.)



**Guided by:**

Mr. Rahul Joshi

Asst. Professor

Mech. Engi. Dept.

**Submitted by:**

Aashish Patil (0822ME191001)

Durgesh Nikum(0822ME191010)

Shubham Rathod(0822ME191042)

Sourabh Patel (0822ME191045)

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**INDORE (M.P)**

2022-2023

**Swami Vivekanand College of Engineering, Indore. (M.P)**



**CERTIFICATE**

This is to certify that **Mr. Aashish Patil (0822ME191001), Mr. Durgesh Nikum (0822ME191010), Mr. Shubham Rathod (0822ME191042) and Mr. Sourabh Patel (0822ME191045)** has completed his project work, titled

**“Design and Fabrication of Braking and Transmission in Go- kart”**

As per the syllabus and has submitted a satisfactory report on this project as a partial fulfillment towards the degree of

**BACHELOR OF TECHNOLOGY  
IN  
MECHANICAL ENGINEERING.**

From **RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL**



  
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**Mr. Manoj Sharma**

**Dr. Pradeep Patil**

  
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## ABSTRACT

A Go-kart is a small four wheeled vehicle. Go-kart, by definition, has no suspension and no differential. They are usually raced on scaled down tracks, but are sometimes driven as entertainment or as a hobby by non-professionals. 'Carting is commonly perceived as the stepping stone to the higher and more expensive ranks of motor sports. Kart racing is generally accepted as the most economic form of motor sport available. As a free-time activity, it can be performed by almost anybody and permitting licensed racing for anyone from the age of 8 onwards. Kart racing is usually used as a low-cost and relatively safe way to introduce drivers to motor racing. Many people associate it with young drivers, but adults are also very active in karting. Karting is considered as the first step in any serious racer's career. It can prepare the driver for high-speed wheel-to-wheel racing by helping develop guide reflexes, Precision car control and decision making skills. In addition, it brings an awareness of the various parameters that can be altered to try to improve the competitiveness of the kart that also exist in other forms of motor racing.

The aim of doing this project is to learn more about automobile engineering, manufacturing, designing and to sharpen our skills as a mechanical engineer. As an engineer there is no better way to learn skills in any other way but to design, perform, practices and manufacturing a vehicle. As this vehicle is designed for participating in "Indian Kart Championship". Our design is a simple design, designed under the given limitations by the event management. We 1st decided the Wheelbase and the Small wheel track and then designed the chassis around it considering the given limits and by taking the given model of chassis in the Rulebook as a reference or an ideal chassis. In the beginning we were going for a side engine design but due to the power output position of our engine, we changed the assembly of our vehicle in the same chassis.



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A  
Major Project I  
Submitted in partial fulfilment for the award of Graduate Degree of  
Bachelor of Technology  
In  
Mechanical Engineering  
"Earthquake Detector"  
Submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
BHOPAL (M.P.)



Guided by:


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Assistant Professor  
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Submitted by:

Sourabh Vishwakarma (0822ME191040)  
Amit Prajapati (0822ME191005)  
Rahul Singh (0822ME191032)  
Bhagirath Panwar (0822ME191006)

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This is to certify that Mr. Sourabh Vishwakarma (0822ME191040), Mr. Amit Prajapati (0822ME191005), Mr. Rahul Singh (0822ME191032), and Mr. Bhagirath Panwar (0822ME191006) has completed their project work, titled

"Earthquake Detector"

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**BACHELOR OF TECHNOLOGY**


in Mechanical Engineering

From


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Mrs. Priyanka Potghan  
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Mechanical Eng. Dept.

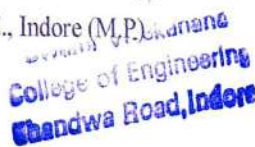
  
Mr. Manoj Sharma  
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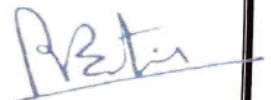
  
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## Abstract

An unexpected movement of the earth's surface is called an earthquake. When two parts of the earth surface move suddenly in relation to each other along a fault line, due to tectonic forces, an earthquake occurs. An earthquake (also known as a tremor or temblor) is the result of a sudden release of energy in the earth's crust that creates seismic waves. Earthquakes are recorded with a seismometer, also known as a seismograph. The moment magnitude of an earthquake is conventionally reported, or the related and mostly obsolete Richter magnitude, with magnitude 3 or lower earthquakes being mostly imperceptible and magnitude 7 causing serious damage over large areas. Intensity of shaking is measured on the modified Marcella scale. An earthquake is an unpredictable natural disaster that causes damage to lives and property. It happens suddenly and we cannot stop it but we can be alerted from it. Now-a-days, there are many technologies which can be used to detect the small shakes and knocks, so that we can take precautions prior to some major vibrations in earth. This work uses an accelerometer to detect the pre-earthquake vibrations. Accelerometer is highly sensitive to shakes and vibrations along with all the three axes. The advantage of building an Arduino based Earthquake Detector using Accelerometer is to reduce its destructive losses .



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 Department of Electrical and Electronics Engineering  
 B.Tech. Semester-VIII, Major Project-II, Allocation List Jan-June 2023


S. No.	Group No.	Enrollment Name	Name of students	Project Title	Guided by	Place
1	G1	0822EX191002	Akshant Dandak	Design and Implementation of traffic management system	Ms. Manisha Gaur	SVCE Indore
2		0822EX191006	Anisar Senani			SVCE Indore
3		0822EX191010	Manish Kumar Sunda			SVCE Indore
4		0822EX191011	Mohit Engla			SVCE Indore
5	G2	0822EX191007	Bhushan Mahajan	Design and fabrication of obstacle avoidance car	Ms. Manisha Gaur	SVCE Indore
6		0822EX191005	Amit Rathod			SVCE Indore
7		0822EX191012	Sawan Kushwah			SVCE Indore
8		0822EX191003	Aman Singh Patel			SVCE Indore
9	G3	0822EX191001	Abhishek singh kushwah	Electricity generation by waste material	Ms. Manisha Gaur	SVCE Indore
10		0822EX191006	Bhagwan signh Mandloi			SVCE Indore
11		0822EX191008	Deepak Birla			SVCE Indore
12		0822EX191009	Jaypal Patel			SVCE Indore
13		0822EX203D11	Vikash Khande			SVCE Indore
14	G4	0822EX203D02	Ankit Jaiswal	Generation of electricity by speed breaker	Mr. Hemendra Khedekar	SVCE Indore
15		0822EX203D08	Shivani Fulmali			SVCE Indore
16		0822EX203D09	Sufiyan Ansari			SVCE Indore
17	G5	0822EX203D01	Anil dhakaq	Iot Based Home Automation	Mr. Hemendra Khedekar	SVCE Indore
18		0822EX203D03	Ankit Kushwah			SVCE Indore
19		0822EX203D04	Krishnakant Patel			SVCE Indore
20		0822EX203D06	Rahul Yadav			SVCE Indore
21		0822EX203D07	Ramanand Patel			SVCE Indore
22		0822EX203D10	Sukhdev			SVCE Indore

  
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# DESIGN AND IMPLEMENTATION OF TRAFFIC MANAGEMENT SYSTEM



A

**Dissertation-2**

**Submitted to the**

**Rajiv Gandhi Proudhyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Electrical & Electronics Engineering*

**Guided by**

**Prof. Manisha Gaur**

**Submitted by**

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**Anisar senani(0822EC191006)**

**Manish Kumar(0822EX191010)**

**Mohit Engla(0822EX191011)**

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**Department of Electrical & Electronics Engineering**



**Jan – June' 2023**

## **Recommendation**

This is to certify that dissertation-2 entitled “**Design and implementation of traffic management system**” submitted by **Akshant DanDak(0822ex191002)**, **Anisar Senani(0822ec191006)**, **Manish Kumar(0822ex191010)**, **Mohit engla(0822ex191011)** have been carried out under my guidance and supervision. The dissertation is approved for submission towards partial fulfillment for the award of the degree of **Bachelor of Technology in Electrical & Electronics Engineering**

It is further certified that this work has not been submitted for the award of any other degree or diploma.



**Dr. Pradeep Patil**

Principal  
SVCE, Indore

Forwarded by

**Prof. Hemendra Khedekar**

Head, Department of EX  
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*10/05/23*

*A.J.*

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**Department of Electrical & Electronics Engineering**



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This is to certify that this Major Project entitled “**Design and implementation of traffic management syytem**” submitted by **Akshant DanDak(0822ex191002)**, **Anisar Senani(0822ec191006)**, **Manish Kumar(0822ex191010)**, **Mohit engla(0822ex191011)** are accepted for the partial fulfillment of the requirement for the award of the degree of **Bachelors of Engineering in Electrical & Electronics Engineering.**

  
Internal Examiner:

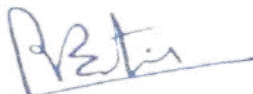
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# DESIGN AND FABRICATION OF OBSTACLE AVOIDANCE CAR



A

Dissertation-2

Submitted to the

**Rajiv Gandhi Proudyogiki Vishwavidyalaya  
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In

*Electrical & Electronics Engineering*

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It is further certified that this work has not been submitted for the award of any other degree or diploma.

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# Electricity Generation By Waste Material



Session: Jan--June 2023

A

Major Project

Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Bhopal (M.P.)

In Partial fulfillment of the requirement for the degree of

Bachelor of Technology

In

Electrical and Electronics Engineering

Supervised by

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Submitted by

Student Name

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Bhagwan Singh Mandloi(0822EX191006)

Deepak Birla(0822EX191008)

Jaypal Patel(0822EX191009)

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**Recommendation**

This is to certify that the major project entitled Electricity Generation By Waste Material. Submitted by Abhishek Singh Kushwaha(0822EX191001), Bhagwan Singh Mandloi(0822EX191006), Deepak Birla(0822EX191008), Jaypal Patel(0822EX191009) and Vikash Khande(0822EX203D11) students of B.Tech fourth year of Electrical and Electronics engineering department , in the year 2023 is a satisfactory account of work based on syllabus, which is approved for the partial fulfillment of degree of bachelor of Engineering.

Date: 12/5/23  
Internal Examiner :-

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Date 12/5/23  
Extlnal Examiner :-

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**Certificate**

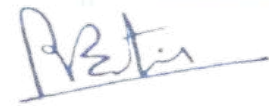
We hereby recommend that the major project entitled "Electricity Generation By Waste Material" submitted by Abhishek Singh Kushwaha(0822EX191001), Bhagwan Singh Mandloi(0822EX191006), Deepak Birla(0822EX191008), Jaypal Patel(0822EX191009), and Vikash Khande(0822EX203D11) is approved for the partial fulfillment of degree of Bachelor of Engineering in Electrical and Electronics.

  
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HOD  
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# Generation of Electricity by Speed Breaker,



A

**Dissertation-2**

**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Electrical & Electronics Engineering*

*Guided by*

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Department of Electrical & Electronics Engineering



Jan – June' 2023

## Recommendation

This is to certify that dissertation-2 entitled “Generation of Electricity by Speed Breaker” submitted by (Ankit Jaiswal 0822EX203D02)/(Shivani Fulmali 0822EX203D08)/(Sufiyan Ansari 0822EX203D09) has been carried out under my guidance and supervision. The dissertation is approved for submission towards partial fulfillment for the award of the degree of **Bachelor of Technology in Electrical & Electronics Engineering**


It is further certified that this work has not been submitted for the award of any other degree or diploma.

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Jan – June' 2023

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This is to certify that this Major Project entitled "Generation of Electricity by Speed Breaker" submitted by (Ankit Jaiswal 0822EX203D02)/(Shivani Fulmali 0822EX203D08)/(Sufiyan Ansari 0822EX203D09) is accepted for the partial fulfillment of the requirement for the award of the degree of **Bachelors of Engineering in Electrical & Electronics Engineering.**

  
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External Examiner:


Date: 10/5/23

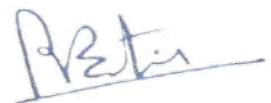
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COMPUTER SCIENCE ENGINEERING DEPARTMENT					
SESSION:2022-2023 IV SEM (PG)					
Dissertation -II (MCSE-401) Details					
S.No.	Name of the Student	Roll No.	Project Title	Guide Name	Place
1	Mayur Kumar Bundela	0822CS19MT03	Deep Learning Techniques Based Plant Leaf Disease and Prediction	Ms. Priya Sen	SVCE Indore
2	Teena Chouhan	0822CS20MT14	Roll Back Operation HSDRT Based Data Backup and Security in Cloud Computing	Ms. Priya Sen	SVCE Indore
3	Mithilesh Nandini Malviya	0822CS20MT07	MRI Image Segmentation and Classification Using KFCM and Convolution Neural Network	Ms. Priya Sen	SVCE Indore
4	Harsh Hardia	0822CS18MT06	A Cloud Scheduling Algorithm using VM Aware Resource Request Utilization (VMRRU) in Cloud Computing	Ms. Priya Sen	SVCE Indore
5	Geetanjali Baraskar	0822CS20MT05	An Approach to Optimize Authorship Verification in Online Social Network Using LSTM Deep Neural Network	Mr. Ashish Tiwari	SVCE Indore
6	Anjali Mehta	0822CS18MT02	Detection of Image Forgery Using Image Pre-Processing and Bayesian Probablistic Neural Network	Mr. Ashish Tiwari	SVCE Indore

  
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A

Dissertation

Submitted in fulfillment for the award of Post Graduate Degree of  
**MASTER OF TECHNOLOGY IN COMPUTER SCIENCE AND  
ENGINEERING**

**“Deep Learning Techniques Based Plant Leaf Disease and  
Prediction”**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya  
BHOPAL (M.P.)**



**Guided by:**  
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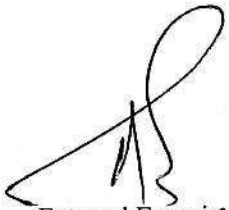
  
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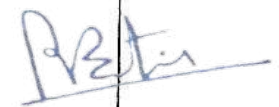
The dissertation entitled "**Deep Learning Techniques Based Plant Leaf Disease and Prediction**" submitted by **Mayur Kumar Bundela [0822CS19MT03]** is recommended as fulfillment for the award of the **Master of Technology (Computer Science and Engineering)** degree by **Rajiv Gandhi Proudyogiki Vishwavidyalaya**.

  
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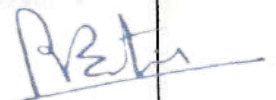
### ABSTRACT

The latest advances in deep learning indicate that repeated image appreciation organization using convolutional neural network (CNN) models can be very beneficial in such troubles. Since the plant leaf disease imaging dataset is not readily accessible, we used transfer learning to enlarge our deep learning model. Accurate or timely recognition of diseases in plants leaf can help farmers to deal with plants in time, which can greatly reduce economic losses. The latest development of the deep learning-based convolutional neural network (CNN) has vastly enhanced accuracy of image classification. Driven by CNN's success in image classification, this paper developed a deep learning-based method for detecting infection from images of plants leaf. The contribution of this work has two aspects: The most advanced deep learning architecture, such as ResNet50, DenseNet, used for recognition of the plant leaf disease .Training, testing and experimental results show that proposed architecture can realize and higher ResNet50 model getting is 95%.accuracy as compare to other model

**Keywords** - Plant disease detection, image processing, image acquisition, segmentation, feature extraction, classification.



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Dissertation

Submitted in fulfillment for the award of Post Graduate Degree of

MASTER OF TECHNOLOGY IN COMPUTER SCIENCE AND  
ENGINEERING

“Roll Back Operation HSDRT Based Data Backup and Security in  
Cloud Computing”

Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya

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Guided by:

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Teena Chouhan


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This is to certify that Teena Chouhan (0822CS20MT14) has completed his project work, titled "Roll Back Operation HSDRT Based Data Backup and Security in Cloud Computing" As per the syllabus and has submitted a satisfactory report on this project as a fulfillment towards the degree of Master of Technology.

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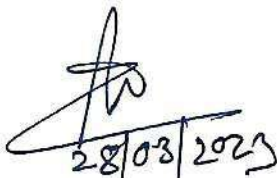
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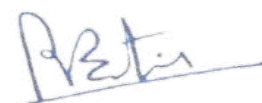
  
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## ABSTRACT

Cloud computing is a revolutionary mechanism that changing way to enterprise hardware and software design and procurements. Because of cloud simplicity everyone is moving data and application software to cloud data centers. The purpose of the proposed algorithm is twofold: the first is to help users collect information from any remote location without a network connection, and the second is to recover files when they are deleted or the cloud is destroyed. Cloud computing is considered as an on-demand delivery of services in which applications and infrastructure are allocated to users as metered services over networks. Cloud computing services are much cheaper as the user does not have to setup any computing hardware support. It is an emerging technology that delivers computing services such as online business applications and data storage over the Internet. Implementing cloud enables a distributed working environment, where it reduces expenditure of the organization, provides data, information security and so on. Cloud computing has created a paradigm shift in the way information technology resources are provided and consumed by increasing agility and lowering costs. However, cloud-security concerns appear at the top of almost all surveys. Traditional security solutions are having a hard time trying to keep up with the growing security needs of the ever-changing threat landscape in today's cloud environment. This research paper aims to explore the concept of cloud security and its impact on the present day IT environment

The proposed HSDRT and roll back operation is proposed in this thesis this algorithm can these problems so that the recovery process takes the least processing time. The proposed HSDRT algorithm with AES encryption technique will also focus on the security of backed up files stored on remote servers. Cloud storage provides online storage where data is usually stored in the form of a virtual pool hosted by a third party.

**Key words** –AES, Cloud, Encryption, Decryption ,Cloud Server, Security, Rollback, HSDRT

A

Dissertation

Submitted in fulfillment for the award of Post Graduate Degree of  
MASTER OF TECHNOLOGY IN COMPUTER SCIENCE AND  
ENGINEERING

“MRI Image Segmentation and Classification Using  
KFCM and Convolution Neural Networks”

Submitted to

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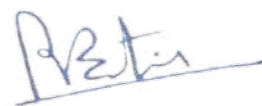
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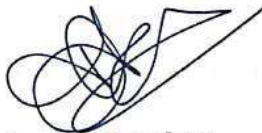
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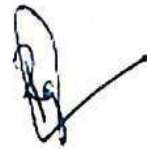
## RECOMMENDATION

The dissertation entitled "MRI Image Segmentation and Classification Using KFCM and Convolution Neural Networks" submitted by Mithilesh Nandini Malviya [0822CS20MT07] is recommended as fulfillment for the award of the Master of Technology (Computer Science and Engineering) degree by Rajiv Gandhi Proudhyogiki Vishwavidyalaya.



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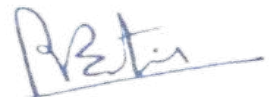


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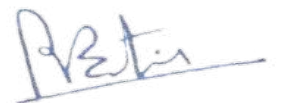


## ABSTRACT

This work focus on the stage effectual categorization of brain tumor descriptions and segmentation of exist illness images employing the segmentation and classification techniques. The major goal of the future method is to design well-organized and accurate algorithm that segmentation tumor region from brain MRI. The algorithm identifies the position of tumor in brain MRI as they are mostly preferred for tumor diagnosis in clinic. The proposed method also crops tumor region from segmented image and way growth of tumor and help in treatment planning. It also provides important information about location, dimension and shape of brain tumor region with no exposing the enduring to a high ionization radiation. The size of tumor is calculated in term of number of pixels. Similarly the primary brain tumor is considered into Benign and malignant type on MRI brain images, based on accuracy, sensitivity, specificity in MATLAB simulation.



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A

Dissertation

Submitted in Fulfillment for the Award of Post Graduate Degree of  
MASTER OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

“A Cloud Scheduling Algorithm using VM Aware  
Resource Request Utilization (VMRRU) in Cloud  
Computing”

Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya  
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## ABSTRACT

Cloud computing and its components make use of their combine efforts to process input request to any cloud architecture. Cloud components such as virtual machine Vm, Cloud Data center DC, Broker request Br and their configuration cominely configure a cloud scenario. Cloud computing component make use of request , resrouce and its utilization analysis to process any of the algorithm. It make usage of resource in proper optimization manner. In order to provide better quality of services and proper cloud component scheduling many algorithms were proposed. Algorithm such as round robin, throuttle, Genetic algorithm etc were proposed by the existing research work. Limitations with such algorithms are of monitoring single level of utilization. They are either concentrating on resource utilization or in energy consumption by their resources for that request process. Further the internal process doesnt comply with parallel process of monitoring such utilization. In this research, An Advance Algorithm named VMRRU (Virtual machine resource request utilization) is proposed. The approach also make use of utilizing monitoring of energy , resource usage count, input request requirement and matching requirement of assigning DC, VM to it. Thus an optimal request handling algorithm with parallel computation is proposed. An implementation is performed using CloudSim API clouდანalyst simulator and further computation shows the efficiency of proposed algorithm.

Keywords: Resource Optimization, Cloud Sim, Data Sharing, Virtualization, VMERRU, Parallel Computing, Request Analysis, Cloud component scheduling.

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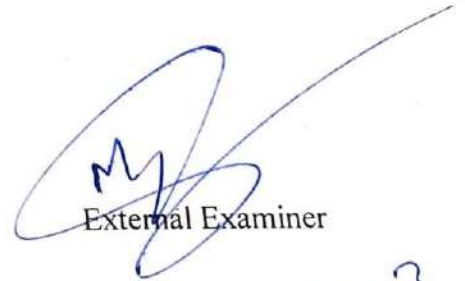
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The dissertation entitled "A Cloud Scheduling Algorithm using VM Aware Resource Request Utilization(VMRRU) in Cloud Computing" submitted by Harsh Hardia [0822CS18MT06] is recommended as fulfillment for the award of the **Master of Technology (Computer Science and Engineering)** degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya.


  
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A

Dissertation

Submitted in fulfillment for the award of Post Graduate Degree of  
MASTER OF TECHNOLOGY IN COMPUTER SCIENCE AND  
ENGINEERING  
“An Approach to Optimize Authorship Verification in Online  
Social Networks Using LSTM Deep neural Network”

Submitted to

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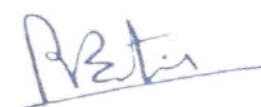
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Department of Computer Science and Engineering

RECOMMENDATION


The dissertation entitled "An Approach to Optimize Authorship Verification in Online Social Networks Using LSTM Deep neural Network" submitted by Geetanjali Baraskar [0822CS20MT05] is recommended as fulfillment for the award of the Master of Technology (Computer Science and Engineering) degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya.

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## ABSTRACT

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Due to the proliferation of web-based applications and the growth in the amount of data created and stored, the World Wide Web now contains an unprecedented wealth of information for its users. The Internet has evolved into a global forum for the free flow of information, knowledge, and ideas. The use of social networking sites like Twitter, Facebook, and Google+ continues to rise rapidly since they enable users to exchange opinions on issues, talk with other groups or post messages worldwide. The expanded usage of Online Social Network (OSN) has become necessary to appear to grow of Authorship Verification (AV), OSN is the environment in which users can connect with other users to discuss ideas of any topics then expansion data and information. AV considered as a resource of researches and information in different ways, as is the case Sentiment Analysis (SA). This approach is contrasted to a prior extraction of features and learning technique that was ineffective in producing improved results using the Tweets API dataset. Twitter is a prominent online community where users publish and respond to short messages known as "tweets," the new model will be able to provide a higher degree of accuracy. In this study, we introduced the Long Short-Term Memory (LSTM) deep neural network technique. What this model entails was tested on a Twitter-based dataset, and it produced improved results with an accuracy of 98.65, precision of 98.74, and F1-score of 98.76.

Keywords: Optimization, Authorship verification, Sentiment analysis, Neural network, dataset etc.

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*Ad.*

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xiv

*Pratish*

A

Dissertation

Submitted in Fulfilment for the Award of Post Graduate Degree of  
MASTER OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING

“Detection of Image forgery using Image Pre-processing and Bayesian Probabilistic Neural  
Network”

Submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya  
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This is certify that Anjali Mehta [0822CS18MT02] has completed his project work, titled  
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From

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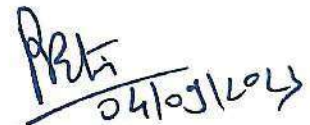
  
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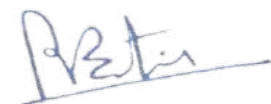
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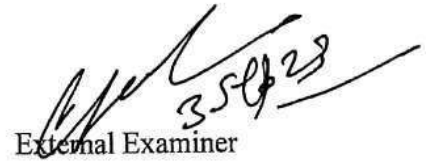
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SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

## RECOMMENDATION

The dissertation entitled "**Detection of Image forgery using Image Pre-processing and Bayesian Probabilistic Neural Network**" submitted by Anjali Mehta [0822CS18MT02] is recommended as fulfilment for the award of the **Master of Technology (Computer Science and Engineering)** degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya.

  
Internal Examiner

Date:

  
External Examiner

Date:

  
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## Abstract

Images have the capability to render a large amount of information. With the widespread popularity of social networking services such as WhatsApp, Facebook, Instagram, Snapchat, Twitter etc., there has been a huge increase in the volume of image data that is shared instantly. This has also increased the cases of fake or forged images being shared which can have serious after-effects. Image forgery can affect the image of persons, organizations and communities and in some cases cause social unrest and violence. Due to the size and complexity of the data being shared, it is almost infeasible for manual detection of image forgery. Therefore, it has become mandatory to design automated systems which can detect image forgery in very less time and with high accuracy. Since the data size to be analyzed by time critical applications is enormous indeed, therefore the conventional techniques prove to be infeasible to detect image forgery with high level of accuracy, which primarily leads the focus to artificial intelligence and machine learning tools for the same. The category of machine learning which has been used in this approach is the deep learning. The proposed work presents a methodology that uses statistical feature extraction and artificial neural networks for image forgery detection. The algorithm used is the Probabilistic Neural Network to train the deep neural network that is designed. Prior to training the neural network with the image parameters, necessary image pre-processing and noise removal techniques have been applied. Significant image parameters often termed as features are computed so as to train the neural network with the parameters which stand distinctively discrete in terms of the classification of images into categories of forged images and unforge images. It has been shown that the proposed system attains a classification accuracy of 90.9% which is considerably higher compared to the accuracy of previously existing techniques for the same dataset used.

**Keywords:** Image Forgery, Image Pre-Processing, Feature Extraction, Bayesian Probabilistic Neural Network, Classification Accuracy.

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## Swami Vivekanand College of Engineering


Department of Electrical and Electronics Engineering

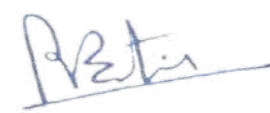
M.Tech. Power System, Semester-IV, Dissertation, Allocation List Jan-June 2023

S. No.	Enrollment No.	Name of students	Project Title	Guided by	Place
1	0822EE20MT14	VESTA KANESH	Role of Smart Grid Technology to improve the quality of power supply in Power System	Prof. Hemendra Khedekar	SVCE Indore
2	0822EE20MT09	LOKESH PATIDAR	Design & Simulation of a Decoupling STATCOM (D-STATCOM) for improving the power (Wind) quality in Power System	Prof. Hemendra Khedekar	SVCE Indore
3	0822EE18MT09	RAHUL RATHORE	Inhancement of New Technology in Renewable Power Generation using Nano Antenna based solar PV system	Prof. Hemendra Khedekar	SVCE Indore
4	0822EE18MT03	HIMANSHU SITOLE	Inhancement of Machine Learning Techniques for Forecasting of Wind speed and Solar irradiation	Prof. Hemendra Khedekar	SVCE Indore
5	0822EE19MT02	AKSHAY PAREEK	Maximum Power Point Tracking system with PID based simulation model to improve the power generation	Prof. Manisha Gaur	SVCE Indore
6	0822EE17MT01	ANAS KHAN	Performance analysis of DC motor speed controlling using fuzzy PI based gain optimizing approach	Prof. Manisha Gaur	SVCE Indore
7	0822EE20MT13	SHIVANGI DWIVEDI	Enhancement of New trends in Solar- PV System using Nano Antennas in Solar Power Generation	Prof. Manisha Gaur	SVCE Indore

  
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**KHANDWA ROAD, INDORE**

“Design & Simulation of a Decoupling STATCOM (D-STATCOM) for  
improving the power (Wind) quality in Power System ”



A

**Dissertation-II**

**Submitted to the**

**Rajiv Gandhi Pradyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Master of Technology*

*In*


*Power System*

*Supervised by*

**Prof. Hemendra Khedekar**

*Submitted by*

**Lokesh Patidar  
(0822EE20MT09)**

  
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**Session Jan-June- 2023**

  
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KHANDWA ROAD, INDRF

“Design & Simulation of a Decoupling STATCOM (D-STATCOM) for  
improving the power (Wind) quality in Power System ”



A

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**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

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**Jan-June-2023**


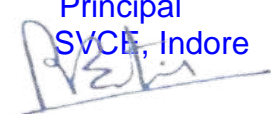
**Recommendation**

This is to certify that **project** entitled “**Design & Simulation of a Decoupling STATCOM (D-STATCOM) for improving the power quality in Power System**” submitted by **Lokesh Patidar (0822EE20MT09)** has been carried out under my guidance and supervision. The dissertation is approved for submission towards partial fulfillment for the award of the degree of **Master of Technology in Power System**.

It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Forwarded by**

  
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**Jan-June-2023**

## **Approval Certificate**

This is to certify that this project is entitled “**Design & Simulation of a Decoupling STATCOM (D-STATCOM) for improving the power quality in Power System**” Submitted by **Lokesh Patidar (0822EE20MT09)** accepted for the partial fulfillment of the requirement for the award of the degree of **Master of Technology in Power System.**

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Date: 11/01/2023

External Examiner:

Date: 11/01/2023

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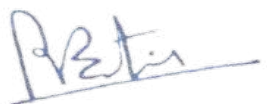
## Abstract

Today the time of new changes adding in technology because one of the primary needs for socio-economic development in any nation in the world is the provision of reliable electricity supply systems. Worldwide, fossil fuels are still dominating in generating energy. Out of available renewable energy sources, Wind energy is becoming less costly option for new power generating unit with the increasing number of new locations and new markets. According to [9], 76% of global energy is supplied using Non-Renewable Energy Resources (fossil fuels + Nuclear) and rest 24% is generated using Renewable Sources as shown in fig. 1.1. Wind energy simply means kinetic energy of air in motion, air flow on the earth due to uneven heating of the Earth's surface by radiant energy from the sun. We know that the Earth's surface is containing very different types of land and lots of water (approximately earth 71% surface covered by water). It sucks up the sun's energy at unusual rates means the sun heat is not uniformly distributed over the earth's surface. Wind or flow of air on earth is caused by massive convection currents in the atmosphere. As long as the sun heats up the earth, there will be wind energy available on the earth.

The main objective of this work is the design of a Decoupling STATCOM (D-STATCOM) for improving the power quality of the electrical energy generated through wind turbines. It is a well known fact that the use of conventional STATCOM can't increase the amount of active and reactive components of Power simultaneously. If one increases, the other decreases. The DSTATCOM is an effective technique to circumvent the same. Thus the primary objective of the proposed work is to attain power quality improvement using Decoupling STATCOM.

**Keywords: STATCOM, MATLAB, Simulation, Renewable sources**

  
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KHANDWA ROAD, INDORE

“Role of Smart Grid Technology to improve the quality of power supply  
in Power System ”



A

**Dissertation-II**

**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Master of Technology*

*In*

*Power System*


*Supervised by*

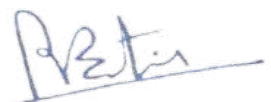
**Prof. Hemendra Khedekar**

*Submitted by*

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(0822EE20MT14)**

**Department of Electrical & Electronics Engineering**  
**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
**Session Jan-June- 2023**

  
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“Role of Smart Grid Technology to improve the quality of power supply  
in Power System ”



A

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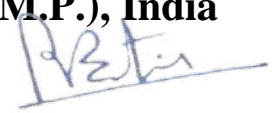
**Prof. Hemendra Khedekar**

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**Department of Electrical & Electronics Engineering**



**Jan-June-2023**

**Recommendation**

This is to certify that **project** entitled “**Role of Smart Grid Technology to improve the quality of power supply in Power System**” submitted by **Vesta Kanesh (0822EE20MT14)** has been carried out under my guidance and supervision. The dissertation is approved for submission towards partial fulfillment for the award of the degree of **Master of Technology in Power System**.

It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Forwarded by**

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**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
**Department of Electrical & Electronics Engineering**



**Jan-June-2023**

## **Approval Certificate**

This is to certify that this **Project** entitled “**Role of Smart Grid Technology to improve the quality of power supply in Power System**” Submitted by **Vesta Kanesh (0822EE20MT14)** accepted for the partial fulfillment of the requirement for the award of the degree of **Master of Technology in Power System.**

**Internal Examiner:**

Date: 11/01/2023

**External Examiner:**

Date: 11/01/2023

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## Abstract

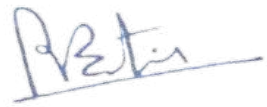
The Indian population are increasing day by day and energy demand are also increasing exponentially but the conventional energy sources are limited and exhaustible, not eco friendly and more power loss in conventional Grid Technology, power supply also interrupted due to dependency on one source of energy. Today the time of new innovations in the field of technology because one of the primary needs for socio-economic development in any nation & all over the world is the provision of reliable electricity supply systems. The modernization of traditional Grid system is requirement of modern era because uninterrupted electricity is the basic need of development

The main objective of my reaserch work is to analysed the need of modernization of Grid technology by smart grid technology. To modernize the all Grid system first we proposed the small solar-wind On Grid Hybrid system.

Using HOMER software for simulation & optimization of the Solar-Wind On-Grid hybrid system and cost analysis significant of smart grid, comparision between conventional & Smart Grid system. MATLAB software is used for simulation of modified boost converter for variable input.

**Key Words: Smart Grid, HOMER, Hybrid System, On-Grid, Smart Meter, MATLAB**

  
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KHANDWA ROAD, INDORF

i



**“Enhancement of New Technology in Renewable Power Generation  
using Nano Antenna based solar PV system”**



**A**

**Dissertation**

**Submitted to the**

**Rajiv Gandhi Pradyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Master of Technology*

*In*

*Power System*

*Supervised by*

**Prof. Hemendra Khedekar**

*Submitted by*

**Rahul Rathore  
(0822EE18MT09)**

**Department of Electrical & Electronics Engineering**  
**Swami Vivekanand College of Engineering, Indore (M.P.), India**  
**Session June-Dec- 2022**  
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**“Enhancement of New Technology in Renewable Power Generation  
using Nano Antenna based solar PV system”**



**A**

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**Submitted to the**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya**

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*In*

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**Department of Electrical & Electronics Engineering**




**June-Dec-2022**

## **Recommendation**


This is to certify that dissertation entitled “**Inhancement of Technology in Renewable Power Generation using Nano Antenna based solar PV system**” submitted by Rahul Rathore (0822EE18MT09) has been carried out under my guidance and supervision. The dissertation is approved for submission towards partial fulfillment for the award of the degree of **Master of Technology in Power System**.

It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Forwarded by**

  
**Prof. Hemendra Khedekar**  
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**Department of Electrical & Electronics Engineering**



**June-Dec-2022**

**Approval Certificate**

This is to certify that this Dissertation entitled “**Inhancement of Technology in Renewable Power Generation using Nano Antenna based solar PV system**” Submitted by Rahul Rathore (0822EE18MT09) accepted for the partial fulfillment of the requirement for the award of the degree of **Master of Technology in Power System**.

**Internal Examiner:**

Date: 15/07/2022

**External Examiner:**

Date: 15/07/2022

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## Abstract

Solar energy and wind energy have been deemed clean, inexhaustible, unlimited and environmental friendly, But wind and solar sources is dependent on unpredictable factors such as weather and climatic conditions therefore solar-wind hybrid system is best system for continuous energy supply through whole year.


Today the time of new changes adding in technology because one of the primary needs for socio-economic development in any nation in the world is the provision of reliable electricity supply systems. The Indian population are increasing day by day and energy demand are also increasing exponentially but the conventional energy sources are limited and exhaustible, not eco friendly..

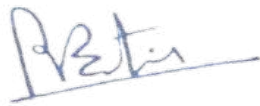
The electricity generation using Nano antenna based solar PV system is best in present era because all world's countries are focused on installing eco-friendly power generation system. Present time old system are replaced by new smart systems. The solar system is best for electricity generation but when this system connect with on & off grid system a smart grid system required.

The main objective of my research work is to analysed the significant of Nano antenna based stand alone solar PV system.

Using HOMER software for simulation & optimization of the solar system and cost analysis . MATLAB software is used for simulation of boost converter for variable input.

**Keywords: HOMER, MATLAB, Simulation, Nano Antenna, Boost Converter, PV solar model**

  
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Mechanical Engineering Department


ME (PG)-IV sem (SESSION: 2022-2023)

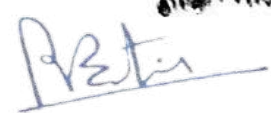
Dissertation II (MMPD-401)

S.No.	Name of Student	Roll No	Project Title	Guide Name	Place
1	Deepak Parmar	0822ME17ME03	Analysis Of Sheet Metal During Bending Application In Punch Press Using Ansys	Dr. Rahul Joshi	SVCE , Indore
2	Ankesh Dubey	0822ME18ME02	Free Vibration Analysis in Composite Driven Shaft with Optimization of Vibrational Natural Frequency Using Anova Method	Mr. Vishal Wankhade	SVCE , Indore
3	Bharat Singh Baghel	0822ME20ME02	Analysis Of Wear Resistance Liners For Increasing Life Cycle Of Industrial Steel Parts	Mr. Rahul Nandwal	SVCE , Indore
4	Anup Kumar Dubey	0822ME18ME04	Modeling and Performance of Engine Connecting Rod Using Ansys	Dr. Rahul Joshi	SVCE , Indore

  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

A

**Dissertation**

Submitted in partial fulfilment for the award of Post Graduate Degree of  
**MASTER OF ENGINEERING IN MECHANICAL ENGINEERING**  
With specialization

In

**Design of Mechanical Systems**

**“ANALYSIS OF WEAR RESISTANCE LINERS FOR INCREASING LIFE  
CYCLE OF INDUSTRIAL STEEL PARTS”**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya  
BHOPAL (M.P.)**



**Guided by:**

**Mr. Rahul Nandwal  
Asst. Professor  
Mech. Engg. Dept.**

**Co-Guided by:**

**Dr. Mayank Ladha  
Asst. Professor  
Mech. Engg. Dept.**


**Submitted by:**

**Mr. Bharat Singh Baghel  
(0822ME20ME02)**

Department of Mechanical Engineering

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Indore. (M.P)



## CERTIFICATE

This is to certify that **Mr. Bharat Singh Baghel (0822ME20ME02)** has completed his project work, titled.

**“ANALYSIS OF WEAR RESISTANCE LINERS FOR INCREASING LIFE CYCLE OF INDUSTRIAL STEEL PARTS”**

As per the syllabus and has submitted a satisfactory report on this project as a partial fulfilment towards the degree of

**MASTER OF ENGINEERING  
IN MECHANICAL ENGINEERING.**

Specialization

In

**Design of Mechanical Systems**

From

RAJIV GANDHI PROUDYOGIKI VISHWA VIDYALAYA, BHOPAL

**Mr. Rahul Nandwal** **Dr. Mayank Laddha** **Mr. Manoj Sharma** **Dr. Pradeep Kr Patil**

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Principal

Mechanical Engg. Dept.

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## ABSTRACT

Wear is the single biggest cause of downtime and lost production in mining and mineral Processing, Cement & Steel industry. Wear resistance product introduce wear solutions for increasing life cycle of Industrial parts & Equipments. Wear resistance product having highly alloyed wear resistant surface. Field trials in the iron ore processing industry show that most cases Wear resistance Designed casted steel product will outperform then increasing wear life up by up to 2-3 times. Wear resistance products are Wear plate (cladded chromium carbide steel) , Designed casted Mn steel, Hot rolled through hard steel, High alumina Ceramic tiles/lined products for temperature resistance plate. Application of wear resistant product for heavy industries It's used for maintenance and repair of Mining, Excavating And Coal Industries & Steel Mills, Rock crusher jaws, mantles & hammers, shovel buckets, stone chutes, conveyer chain wear strips elevator buckets, quarry truck bottoms, crusher liners, bulldozers & scrapers, mucker, sintering seal bars, shake-out machines, shot blast cabinets, scrap ore bucket, scrap handling equipmentmen zone ensures minimum metallurgical degradation.

**Keyword:** - *Cladding, Composite steel plate, Alloy overlay, Ceramic lining, Hardness, HRC, Temperature resistance, Wearing & Tearing.*

A

Dissertation-II

Submitted in partial fulfillment for the award of Post Graduate Degree of  
**MASTER OF ENGINEERING IN MECHANICAL ENGINEERING**

With specialization

In

**Design of Mechanical Systems**

**“Free Vibrational Analysis in Composite**

**Derive Shaft with Optimization of Vibrational Natural Frequency Using Anova Method”**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya  
BHOPAL (M.P.)**



**Guided by:**

**Mr. Vishal Wankhade**

**Asst. Professor**

**Mech. Engg. Dept.**

**Submitted by:**

**Ankesh Dubey**


**(0822ME18ME02)**

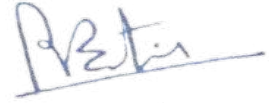
Department of **Mechanical** Engineering

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**INDORE**

**2022-2023**

  
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Indore. (M.P)



## CERTIFICATE

This is to certify that **Mr. Ankesh Dubey (0822ME18ME02)** has completed his project work, titled

**“Free Vibrational Analysis in Composite**

**Derive Shaft with Optimization of Vibrational Natural Frequency Using Anova Method”**

As per the syllabus and has submitted a satisfactory report on this project as a partial fulfillment towards the degree of

**MASTER OF ENGINEERING  
IN MECHANICAL ENGINEERING.**

Specialization

In

**Design of Mechanical Systems**


RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

  
**Mr. Vishal Wankhade**

  
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## ABSTRACT

Substituting composite structures for conventional metallic structures has many advantages because of higher specific stiffness and strength of composite materials. In the recent days, there is a huge demand for a light weight material such as fiber reinforced polymer composites seems to be a promising solution to this arising demand. These materials have gained attention due to their applications in the field of automotive, aerospace, sports goods, medicines and household appliances. The overall objective of this work is to analyze a composite drive shaft for power transmission. Substituting composite structures for conventional metallic structures has many advantages because of higher specific stiffness and strength of composite materials. This work deals with the replacement of conventional steel drive shafts with an epoxy composite drive shaft for an automotive application. The intention of work is to minimize the weight of drive shaft. In this present work an attempt has been to estimate the deflection, stresses, and natural frequencies under subjected loads using FEM (CATIA). Further comparison carried out for both loads using FEM. Further comparison carried out for both optimized and stress intensity factor found for both Steel and composite drive shafts.

**Keywords:** Conventional shaft, drive shaft, composite shaft, composite material, analysis

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**Department of Electronics and Communication Engineering**

**M.E. VLSI Design Project Record, Session 2022-2023**

Sr. No.	Name of Student	Enrolment No.	Thesis Title	Guide Name	Name of External	Place
1	DIVYA KANAPURIYA	0822EC20ME02	RBS GENERATION FOR HARDWARE RESOURCE CONSTRAINED FSMS FOR SOCS IN BIOMEDICAL VLSI APPLICATIONS''	MR.ROHIT YADAV	DR. RATISH AGRWAL	SVCE, Indore
2	MUSKAN BHAWSAR	0822EC20ME05	FINITE STATE MACHINE (FSM) DESIGN USING DEEP LEARNING FOR FUTURE STATE ESTIMATION''	MR.ROHIT YADAV	DR. RATISH AGRWAL	SVCE, Indore
3	SURBHI WAGDRE	0822EC20ME08	DESIGN AND IMPLEMENTATION OF RGB TO GRAY SCALE COLOR SPACE CONVERTER USING REVERSIBLE LOGIC	MR.ROHIT YADAV	DR. RATISH AGRWAL	SVCE, Indore

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*P. B. S.*  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

A

Dissertation

Submitted in partial fulfillment for the award of Post Graduate Degree of

**MASTER OF ENGINEERING IN ELECTRONICS AND COMMUNICATION**

With specialization

In

**VLSI Design**

**“RANDOM BINARY STREAM GENERATION FOR HARDWARE RESOURCE  
CONSTRAINED FINITE STATE MACHINES FOR SOCS IN BIOMEDICAL VLSI  
APPLICATIONS”**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya  
BHOPAL (M.P.)**



**Guided by:**

**Mr. Rohit Yadav**


**Asst. Professor**

**ECE Engg. Dept.**

**Submitted by:**

**Divya Kanapuriya**


**(0822EC20ME02)**

  
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**2022-2023**

Page 156

  
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KHANDWA ROAD, INDORE

**A  
Dissertation Work  
Submitted in partial fulfillment for the award of Post  
Graduate Degree of  
Master of  
Engineering  
In  
VLSI Design**

**“RANDOM BINARY STREAM GENERATION FOR  
HARDWARE RESOURCE CONSTRAINED FINITE  
STATE MACHINES FOR SOCS IN BIOMEDICAL  
VLSI APPLICATIONS”**

**Submitted to  
RAJIV GANDHI PROUDYOGIKI  
VISHWAVIDHYALAYA, BHOPAL (M.P.)**



**Session 2022-2023**

**Guided by  
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**Submitted by  
Divya Kanapuriya  
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**CERTIFICATE**

This is to certify that **Ms. Divya Kanapuriya (0822EC20ME02)** has completed her project work,  
titled

**“RANDOM BINARY STREAM GENERATION FOR HARDWARE RESOURCE  
CONSTRAINED FINITE STATE MACHINES FOR SOCS IN BIOMEDICAL VLSI  
APPLICATIONS ”**

As per the syllabus and has submitted a satisfactory report on this project as a partial fulfillment  
towards the degree of

**MASTER OF ENGINEERING  
IN ELECTRONICS AND COMMUNICATION ENGINEERING.**

**Specialization**

**In**

**VLSI Design**

**From**

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL

  
**Mr. Rohit Yadav**

  
**Mrs. Megha Soni**

  
**Dr. Pradeep K. Patil**

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( एम.ई. छात्रो हेतु )

मै दिव्या आत्मज श्री लक्ष्मीनारायण कानापुरिया आयु 24 वर्ष निवासी ग्राम कातोरा, पोस्ट-कानापुर, खरगोन मध्य प्रदेश की निवासी होकर शपथ पूर्वक निम्न कथन करती हूँ कि -

1. यह कि मैंने एम ई के विषय वी.एल.एस.आई. डिजाइन सन 2020 में स्वामी विवेकानंद कॉलेज ऑफ इंजीनियरिंग में प्रवेश लिया था।
2. मै दिनांक 17/10/2020 से नियमित छात्रा के रूप में ज्ञातकोत्तर पाठ्यक्रम में अध्ययनरत थी।
3. मै घोषणा करती हूँ कि इस पाठ्यक्रम की अवधि में किसी भी अन्य निजी क्षेत्र के संस्थान / औद्योगिक समूह किसी भी कार्यालय में पूर्ण कालीन रूप से कार्यरत नहीं थी।



हस्ताक्षर शपथग्रहिता


गाइड एवं संचालक / प्राचार्य द्वारा सत्यापित किया जावे  
सत्यापित करते है कि छात्रा दिव्या नामांकन क्रमांक (0822EC20ME02)  
द्वारा उपरोक्त अनुसार भरी गई जानकारी प्रमाणित एवं सही है।

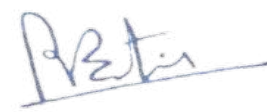


संचालक / प्राचार्य

(हस्ताक्षर / पदनाम सील सहित)

स्वामी विवेकानंद कॉलेज ऑफ इंजीनियरिंग (0822)

  
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## DECLARATION

I hereby declare that the work, which is being presented in the dissertation, entitled "**Random Binary Stream generation for Hardware Resource Constrained Finite State Machines for SOCs in Biomedical VLSI Applications**" partial fulfillment of the requirements for the award of degree of **Master of Engineering in Electronics and Communication Engineering** with specialization in **VLSI Design**, submitted in the department of **Electronics and Communication engineering, SVCE, Indore** is an authentic record of my own work carried under the guidance of **Asst. Prof. Rohit Yadav**. I have not submitted the matter embodied in this report for award of any other degree.

I also declare that 'A check for Plagiarism has been carried out on the thesis/project report/dissertation and is found within the acceptable limit and report of which is enclosed herewith.'

*Divya*


**Name of the Student**


**[Divya Kanapuriya (0822EC20ME02)]**

**Supervisor**

*Pras*  
*04/04/2023*

**Director/ Principal Sign. With Seal**

  
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## APPROVAL CERTIFICATE

The dissertation entitled "**Random Binary Stream generation for Hardware Resource Constrained Finite State Machines for SOCs in Biomedical VLSI Applications**" being submitted by **Divya Kanapuriya (0822EC20ME02)** has been examined by us and is hereby approved for the award of degree "**Master of Engineering in Electronics and Communication Engineering**", for which it has been submitted. It is understood that by this approval the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for which it has been submitted.



**Internal Examiner**

**Date:** 4/2/23

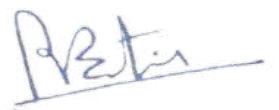


**External Examination**

**Date:**



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## ACKNOWLEDGEMENT

I am thankful to the technical university Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for giving me opportunity to convert my theoretical knowledge into the practical skills through this project.

Any work of this magnitude requires input, efforts and encouragement of people from all sides. In compiling this project, I have been fortunate enough to get active and kind cooperation from many people without which my endeavors wouldn't have been a success. The project work has been made successful by the cumbersome effort of the faculties.


I express my profound sense of gratitude to **Mr. Sachin Mishra**, Director & **Dr. Pradeep K. Patil**, Principal, Swami Vivekanand College of Engineering, and Indore (M.P.) who was involved right from the inception of ideas to the finalization of the work.


I would like to express my deep gratitude to my project guide **Prof. Rohit Yadav** under whose valuable guidance, for encouraging me regularly and providing me each and every facility. I was able to execute my project smoothly.

I especially thank to **Dr. Pradeep K. Patil** for their kind support and coordination to complete my dissertation work. I am pleased to express my special thanks to my institution for their endless support and help, especially other supporting me morally throughout my work. I also heartily thanks to all other supporting staff of my institution.

Last but not the least; I am grateful to **My Parents**, and family members and colleagues, for their continuous support and encouragement in success of this project.

[Divya Kanapuriya]

  
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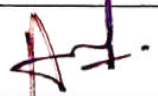
  
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Swami Vivekanand College of Engineering  
Department of Master of Business Administration, 2022 - 2023  
Course : MBA IIIrd Semester

Major Project Details

Project Coordinators : Jyoti Jayaswal

Sr. No.	Enrollment No.	Name of Students	Name of Project	Technology/Domain	Guide Alloted	Place
1	DC1800490	Aabha Mourya	A Study Of Customer Awareness Towards E Banking	MBA	Jyoti Jayaswal	SVCE, Indore
2	DS1602617	Ambika Khatwe	The Impact Of Digitalization On Changing The HRM Practices	MBA	Surbhi Sharma	SVCE, Indore
3	DX2101938	Arun	Six Sigma In Indian Industries	MBA	Jyoti Jayaswal	SVCE, Indore
4	DX2101937	Arun Verma	The Impact Of Trade Agreement On International Business Operations	MBA	Jyoti Jayaswal	SVCE, Indore
5	DX2101939	Ashish Sharma	An Empirical Study On Customer Satisfaction With E-Banking Services In India	MBA	Jyoti Jayaswal	SVCE, Indore
6	DC1812848	Ayush Bansal	A Study Customer Perferece In Choosing Big Bazar	MBA	Jyoti Jayaswal	SVCE, Indore
7	DA1801548	Balram Sharma	A Study On Various Postpaid Service	MBA	Jyoti Jayaswal	SVCE, Indore
8	DX2101940	Deepesh	Social Media Marketing In Todays Business	MBA	Jyoti Jayaswal	SVCE, Indore
9	DX2101942	Diksha Hanotiya	The Impact Information Technology On Business	MBA	Jyoti Jayaswal	SVCE, Indore
10	DX1804594	Diksha Sahu	A Study On Consumer Buying Behaviour	MBA	Jyoti Jayaswal	SVCE, Indore
11	DC1823157	Dimpal	A Comparative Study Of Online Service Provide By Amazon And Flipkart	MBA	Jyoti Jayaswal	SVCE, Indore
12	DX2101943	Divya Hanotiya	The Effectiveness Of Internet Advertising On Consumer Behaviour	MBA	Jyoti Jayaswal	SVCE, Indore
13	DA1300869	Gorelal Malviya	A Study Comparative Study Of Consumer Buying Behaviour And Patiter Between Honda And TVS	MBA	Jyoti Jayaswal	SVCE, Indore
14	DC1801603	Jitendra Sharma	Social Media Marketing In Todays Business	MBA	Jyoti Jayaswal	SVCE, Indore
15	DC1813439	Kajal Thakur	Recent Trends In Digital Marketing	MBA	Jyoti Jayaswal	SVCE, Indore
16	DC1800507	Kalpana Suman	A Study of Customer Satisfaction Regarding ATM Service Of SBI	MBA	Jyoti Jayaswal	SVCE, Indore
17	DX1804033	Keshav Bansal	Customer Preference In Choosing Big Bazar	MBA	Jyoti Jayaswal	SVCE, Indore
18	DC1800310	Khushboo Sethi	A Study On Customer Satisfaction Of Coca Cola	MBA	Jyoti Jayaswal	SVCE, Indore

  
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20	DC1621450	Manisha Verma	A Study On Indian Money Market	MBA	Jyoti Jayaswal	SVCE, Indore
21	DC1801431	Mansi Verma	The Study of Brand Loyalty Of Allen Solly Shirt	MBA	Jyoti Jayaswal	SVCE, Indore
22	DC1824850	Neha	A Study On Consumer Awareness & Usage Of E Banking Tansaction With Mobile With Special Reference To Indore City	MBA	Jyoti Jayaswal	SVCE, Indore
23	DC1804724	Nisha Patel	Changing Role of HRM An Evolution of HRD	MBA	Jyoti Jayaswal	SVCE, Indore
24	DC1721067	Pradeep Pal	A Comparative Study On Customer Satisfaction In HDFC Bank	MBA	Jyoti Jayaswal	SVCE, Indore
25	DC1823213	Pranjal Patay	Income Tax Planning In India	MBA	Jyoti Jayaswal	SVCE, Indore
26	DX2101951	Priya Malviya	Social Media As A Tool Of Marketing And Creating Brand Awareness	MBA	Jyoti Jayaswal	SVCE, Indore
27	DC1405843	Priyanka	A Study of Investor's Attitude Towards Equity Investment In Secondary Market With Special Reference To Indore City	MBA	Arnav jain	SVCE, Indore
28	DX1803599	Ritik Kanodiya	A Study On The Perception Of The Driver's Towards Ashok Leyland ICV Buses In Indore Market	MBA	Jyoti Jayaswal	SVCE, Indore
29	DC1808590	Sandeep	A Study Of Marketing Strategy At Paytm	MBA	Jyoti Jayaswal	SVCE, Indore
30	DC1816531	Sangeeta Rathore	Life Insurance	MBA	Jyoti Jayaswal	SVCE, Indore
31	DC1811073	Shefali Patel	Study On Indian Banking Systems	MBA	Jyoti Jayaswal	SVCE, Indore
32	DC1805182	Shivani Rajput	5A Training	MBA	Surbi sharma	SVCE, Indore
33	DX2101953	Shraddha Bhoglekar	Study Of Customer Satisfaction Towards Online Shopping	MBA	Jyoti Jayaswal	SVCE, Indore
34	DX1703952	Shradha Verma	Consumer Behaviour While Purchasing Life Insurance Polices	MBA	Arnav jain	SVCE, Indore
35	DC1808600	Sumit Dudwa	A Study On Customer Expectaton From Online Marketing With Respect To Flipkart	MBA	Jyoti Jayaswal	SVCE, Indore
36	DC1703022	Surbhi Joshi	Study On Indian Banking Systems	MBA	Jyoti Jayaswal	SVCE, Indore
37	DX2101955	Urvashi Chouhan	To Study The Effect of Working Environment on Female Employees	MBA	Jyoti Jayaswal	SVCE, Indore
38	DX2101956	Vibha Bhati	The Role Of The Internet Banking In Society	MBA	Jyoti Jayaswal	SVCE, Indore

*Jyoti*  
Head

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**SWAMI VIVEKANAND COLLEGE  
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**MBA Department**



**A MAJOR RESEARCH PROJECT ON:  
RECENT TRENDS IN DIGITAL MARKETING**

**A  
Dissertation  
Submitted to**


**Devi Ahilya Vishwavidyalaya, Indore**


**Towards the partial fulfillment of requirement for the award of degree  
Of**

**Masters of business administration [full time]  
2022-23**

**Guided By  
Assistant Prof. Jyoti Jayaswal  
Head of Department  
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**Submitted BY  
Kajal Thakur  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE

MBA Department



A MAJOR RESEARCH PROJECT ON:  
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A

Dissertation

Submitted to

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**Guided By**  
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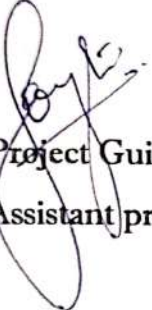
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INDORE  
MBA Department

**CERTIFICATE**

*This is to certify that the MRP entitled RECENT TRENDS IN DIGITAL MARKETING has been accomplished by KAJAL THAKUR under my guidance and supervision.*

*This MRP is being submitted by him in the partial fulfillment of the requirement for the award of the degree Of Masters of business administration [full time] from Devi Ahilya Vishwavidyalaya, Indore*

*To the best of my knowledge and belief this work has not been submitted by him anywhere else for the reward of any degree or diploma without proper citation.*

  
Project Guide  
Assistant prof. Jyoti Jayaswal

Head of Department (MBA)

  
External Examiner



**Principal**

Department of Master of Business Administration  
Swami Vivekanand College of Engineering, Indore

## DECLARATION

I have tried my level best in making this project useful, pragmatic & successful. I have tried to provide the accurate information to the best of my knowledge. The data collected is primary, authentic & analyzed by me.

I hereby declare that project entitled "RECENT TRENDS IN DIGITAL MARKETING" is authentic & I have put in my efforts meticulously to make this project to come up the expectations and pragmatically viable.

Date:

Place:

(Kajal Thakur)

## **ACKNOWLEDGEMENT**

The duration of the project report was the one etched in my memory for the long time to come. I do have certain people to thank for it being a memorable experience.

I thank the Head of the Department **Jyoti Jayaswal** who has been a source of inspiration for given me the opportunity to study on my project.


I would also like to thank **Assistant Prof. Jyoti Jayaswal** my guide who has been present as pillar of support and guidance throughout the project period. I am indeed indebted to **him** for the experience and information **he** shared with me. **His** suggestions and comments have made the report more valuable.


I would like to thank my family members, my friends and entire staff of MBA department for making the atmosphere amicable and make me feel at ease at the time of stress.

At last I am thankful to all those persons who help me directly and indirectly to cover the wide aspect of Research Project.

**With Sincere Thanks**

**(Kajal Thakur)**

  
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MBA Department



A MAJOR RESEARCH PROJECT ON:

## A STUDY OF CUSTOMER SATISFACTION REGARDING ATM SERVICE OF SBI AND PNB

A Dissertation Submitted to

Devi Ahilya Vishwavidyalaya, Indore

Towards the partial fulfillment of requirement for the award of degree Of

Masters of business administration [full time]

2022-23

Guided By:

Assistant Prof. Jyoti Jayaswal

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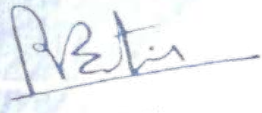
Submitted By:

Kalpansha Suresh

Roll no. 211010005

BVCE, MBA

  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE

MBA Department



A MAJOR RESEARCH PROJECT ON:

## A STUDY OF CUSTOMER SATISFACTION REGARDING ATM SERVICE OF SBI AND PNB

A Dissertation Submitted to

**Devi Ahilya Vishwavidyalaya, Indore**

Towards the partial fulfillment of requirement for the award of degree Of

**Masters of business administration [full time]**

**2022-23**

**Guided By:**

**Assistant Prof. Jyoti Jayaswal**

**Head of department**


**MBA**

**Submitted By:**

**Kalpana Suman**

**Roll no.- 211890006**

**SVCE, MBA**

  
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**SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE**

MBA Department

**CERTIFICATE**

This is to certify that the MRP entitled “The impact of SAP (ERP) system in operations and total quality management” has been accomplished by MISS. KALPANA SUMAN under my guidance and supervision.

This MRP is being submitted by him in the partial fulfillment of the requirement for the award of the degree Of Masters of business administration [full time] from Devi Ahilya Vishwavidyalaya, Indore

To the best of my knowledge and belief this work has not been submitted by him anywhere else for the reward of any degree or diploma without proper citation.

**Project Guide**

Assistant prof. Jyoti Jayaswal

Head of Department (MBA)

External Examiner

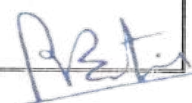
**Principal**

Department of Master of Business Administration Swami Vivekanand College of Engineering, Indore



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## DECLARATION

I have tried my level best in making this project useful, pragmatic & successful. I have tried to provide the accurate information to the best of my knowledge. The data collected is primary, authentic & analyzed by me.

I hereby declare that project entitled "The impact of SAP (ERP) system in operations and total quality management" is authentic & I have put in my efforts meticulously to make this project to come up the expectations and pragmatically viable.

Date:

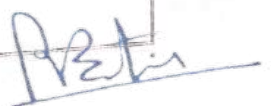
Place: INDORE

(KALPANA SUMAN)



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KHANDWA ROAD, INDORE

## ACKNOWLEDGEMENT

The duration of the project report was the one etched in my memory for the long time to come. I do have certain people to thank for it being a memorable experience.

I thank the Head of the Department **Mrs. Jyoti Jayaswal** who has been a source of inspiration for given me the opportunity to study on my project.


I would also like to thank **Assistant Prof. Jyoti Jayaswal** my guide who has been present as pillar of support and guidance throughout the project period. I am indeed indebted to him for the experience and information he shared with me. His suggestions and comments have made the report more valuable.

I would like to thank my family members, my friends and entire staff of MBA department for making the atmosphere amicable and make me feel at ease at the time of stress.

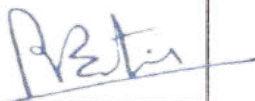
At last I am thankful to all those persons who help me directly and indirectly to cover the wide aspect of Research Project.

With Sincere Thanks

(KALPANA SUMAN)

  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE

**MBA Department**



**A MAJOR RESEARCH PROJECT ON:**

**"A STUDY ON CONSUMER BUYING BEHAVIOR"**

**A Dissertation Submitted to**

**Devi Ahilya Vishwavidyalaya, Indore**

**Towards the partial fulfillment of requirement for the award of degree  
Of**

**Masters of business administration [full time]**

**2022-23**

**Guided By**

**Assistant Prof. Jyoti Jayaswal**

**Head of department**


**MBA**

**Submitted By**

**Diksha Sahu**

**Roll no.- 211890054**

**SVCE, MBA**

  
IQAC COORDINATOR  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE

**MBA Department**



**A MAJOR RESEARCH PROJECT ON:**

**“A STUDY ON CONSUMER BUYING BEHAVIOR”**

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Towards the partial fulfillment of requirement for the award of degree  
Of

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**2022-23**

**Guided By**

**Assistant Prof. Jyoti Jayaswal**

**Head of department**

**MBA**


**Submitted By**

**Diksha Sahu**

**Roll no.- 211890054**

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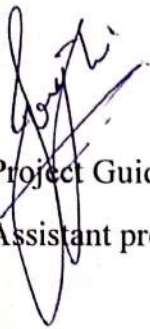
**MBA Department**

**CERTIFICATE**

*This is to certify that the MRP entitled "A study on consumer buying behavior" has been accomplished by Ms. Diksha Sahu under my guidance and supervision.*

*This MRP is being submitted by her in the partial fulfillment of the requirement for the award of the degree Of Masters of business administration [full time] from Devi Ahilya Vishwavidyalaya, Indore*

*To the best of my knowledge and belief this work has not been submitted by her anywhere else for the reward of any degree or diploma without proper citation.*



Project Guide

Assistant prof. Jyoti Jayaswal

Head of Department (MBA)




External Examiner



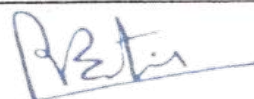
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## DECLARATION

I have tried my level best in making this project useful, pragmatic & successful. I have tried to provide the accurate information to the best of my knowledge. The data collected is primary, authentic & analyzed by me.


I hereby declare that project entitled “**A study on consumer buying behavior**” is authentic & I have put in my efforts meticulously to make this project to come up the expectations and pragmatically viable.

Date:

Place: INDORE

(DIKSHA SAHU)

Page | 3

  
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At last I am thankful to all those persons who help me directly and indirectly to cover the wide aspect of Research Project.

**With Sincere Thanks**

**(DIKSHA SAHU)**

  
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**MBA Department**



**INDORE**  
ESTD 2004

**"Major Research Project"**

**On The Topic**

**A STUDY ON CUSTOMER EXPECTATION FROM ON-LINE  
MARKETING WITH RESPECT TO FLIPKART.COM**

(Submitted towards the partial fulfillment of Master of Business Administration  
awarding by Devi Ahilya Vishwavidhayala , Indore)

**Session 2022-2023**

**Project Guide**

**Prof. Jyoti Jayaswal Mam**


**SVCE MBA (INDORE)**

**SUBMITTED BY**

**Sumit Dudwa**

**Roll No.211890012**

**MBA (FT) 3<sup>rd</sup> Semester**

  
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**KHANDWA ROAD, INDORE**

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING, INDORE**

**MBA Department**



**"Major Research Project"**

On The Topic

**A STUDY ON CUSTOMER EXPECTATION FROM ON-LINE  
MARKETING WITH RESPECT TO FLIPKART.COM**

(Submitted towards the partial fulfillment of Master of Business Administration  
awarding by Devi Ahilya Vishwavidyalaya, Indore)

**Session 2022-2023**

**Project Guide**

**Prof. Jyoti Jayaswal Mam**

**SVCE MBA (INDORE)**

**IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

**SUBMITTED BY**

**Sumit Dudwa**

**Roll No.211890012**

**MBA (FT) 3<sup>rd</sup> Semester**

**PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE**

## DECLARATION

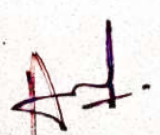
I **Sumit Dudwa** here by declare that work which is being presented in the thesis entitled A **STUDY ON CUSTOMER EXPECTATIONFROM ON-LINE MARKETING WITH RESPECT TO FLIPKART.COM** in partial fulfillment of the requirement for the award Masters of Business Administration to Devi Ahilya Vishwavidyalaya, Indore (M.P.) is an authentic record of our own work carried out under the guidance of **Prof. Joyti Jayaswal Mam**

Place : Indore

Date :

Student Name

**Sumit Dudwa**

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

Page 182



## ACKNOWLEDGEMENT

I am thankful to the university Devi Ahilya Vishwavidyalaya, Indore for giving me opportunity to convert my theoretical knowledge into the practical skills through this project.

Any work of this magnitude requires input, efforts and encouragement of people from all sides. In compiling this project, I have been fortunate enough to get active and kind cooperation from many people without which my endeavors wouldn't have been a success. The project work has been made successfully by the cumbersome effort of the faculties.

I express my profound sense of gratitude to Principal **Dr. Pradeep Patil** Swami Vivekanand College of Engineering, Indore (M.P.)

I would like to express my deep gratitude to my project guide **Prof. Joyti Jayaswal Mam** under whose valuable guidance, for encouraging me regularly and providing me each and every facility. I was able to execute my project smoothly.

First but not the least; I am grateful to **My Parents** and family members and colleagues, for their continuous support and encouragement in success of this project.


Thank You

**Student Name**

**Sumit Dudwa**

**Roll No.211890012**

**SVCE, MBA**

  
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**Swami Vivekanand Group of Institute**  
**Department of Computer Science & Engineering Session Jan-June 2023-2024**

**Course: B.Tech VI Sem**

**Minor Project Details**

**Project Coordinators: Ms. Rekha Yadav & Teena Chouhan**

S.No.	Group Number	Enrollment Number	Name of Students	Project Name	Technology / Domain	Guide Alloted	Place
1	G-1	0822CS201106	Suyasha singh (LEAD)	Employee database & payroll management system	JAVA/HTML CSS/My SQL	Mr. Ashish Tiwari	SVCE,Indore
2		0822CS201066	Nitin yuvne				SVCE,Indore
3		0822CS201111	Twinkal kushwaha				SVCE,Indore
4	G-2	0822CS201039	Jayesh patidar (LEAD)	Snake Game	JAVA/My SQL	Ms.Priya Sen	SVCE,Indore
5		0822CS201014	Aneesh singh				SVCE,Indore
6		0822CS201013	Amitesh saini				SVCE,Indore
7		0822CS201017	Bhavesh patidar				SVCE,Indore
8	G-3	0822CS201007	Ajay vishwakarma (LEAD)	Online shopping	HTML/CSS/ JAVASCRIPT	Ms.Rekha Yadav	SVCE,Indore
9		0822CS201075	Pranay laad				SVCE,Indore
10	G-4	0822CS201015	Anshul parmar (LEAD)	Realestate price prediction	Machine Learning /Python	Ms.Priya Sen	SVCE,Indore
11		0822CS201033	Harshita pal				SVCE,Indore
12		0822CS201004	Adhar Sharma				SVCE,Indore
13		0822CS201028	Gurusharan singh rajput				SVCE,Indore
14	G5	0822CS201057	Mitanshi dewatwal (LEAD)	Non Govt. Orgnization	HTML/CSS /JAVASCRIPT	Ms.Praneeta Bisen	SVCE,Indore
15		0822CS201040	Jyotsana Katare				SVCE,Indore
16	G-6	0822CS201012	Amit Rai (LEAD)	Patient-Tracker	HTML/CSS/ JAVASCRIPT/ My SQL/ JAVA	Mr. Ashish Tiwari	SVCE,Indore
17		0822CS201034	Heena Mansuri				SVCE,Indore
18		0822CS201063	Nikhil pathade				SVCE,Indore
19		0822CS201019	Deepak Patidar				SVCE,Indore
20	G-7	0822CS201109	Tinkesh (LEAD)	E-Counselling	HTML/CSS/JAVASC RIPT JAVA MANGODB	Ms. Rekha Yadav	SVCE,Indore
21		0822CS201054	Manish Pawar				SVCE,Indore
22		0822CS201105	Suraj Gautam				SVCE,Indore
23	G-8	0822CS201062	Neeti Rathore (LEAD)	Smart Attandance	PYTHON/ HTML /CSS/MYSQL	Ms. Priya Sen	SVCE,Indore
24		0822CS201061	Naman Goya				SVCE,Indore
26	G-9	0822CS201074	Pragati Gattam(LEAD)	Gaming Batlalions	JAVA/HTML CSS/My SQL	Ms.Priya Sen	SVCE,Indore

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**Swami Vivekanand Group of Institute**  
**Department of Computer Science & Engineering Session Jan-June 2023-2024**  
**Course: B.Tech VI Sem**  
**Minor Project Details**

**Project Coordinators: Ms. Rekha Yadav & Teena Chouhan**

S.No.	Group Number	Enrollment Number	Name of Students	Project Name	Technology / Domain	Guide Alloted	Place
27	G-10	0822CS201044	Komal Dhote (LEAD)	E-Commerce (Online Shopping)	HTML / CSS / JAVASCRIPT / My SQL/ HON/DJANGO	Ms.Praneeta Bisen	SVCE,Indore
28		0822CS201052	Madhu Kushwaha				SVCE,Indore
29		0822CS201097	Salini Rewapati				SVCE,Indore
30		0822CS201018	Deepa carpenter				SVCE,Indore
31	G11	0822CS201098	Shivam Patidar (LEAD)	Bank Application	HTML / CSS / JAVASCRIPT / MySQL/JAVA	Ms. Rekha Yadav	SVCE,Indore
32		0822CS201099	Shivani Pal				SVCE,Indore
33		0822CS171096	Shivam Shukla				SVCE,Indore
34		0822CS201123	Vivek ambiya				SVCE,Indore
35	G-12	0822CS201091	Sandeep prajapati (LEAD)	Online Truck Booking	HTML / CSS / JAVASCRIPT	Ms.Praneeta Bisen	SVCE,Indore
36		0822CS201119	Vikas sisodiya				SVCE,Indore
37	G-13	0822CS201059	Mo.Shadab Khan (LEAD)	GadgetZone (E commerece: Online Shopping)	JAVA/HTML / CSS / JAVASCRIPT	Mr. Ashish Tiwari	SVCE,Indore
38		0822CS201002	Abdullah Zaid Khan				SVCE,Indore
39		0822CS201036	Himanshu Shrama				SVCE,Indore
40		0822CS201058	Mo.Ayan Khan				SVCE,Indore
41	G-14	0822CS201068	Ojas Kunte (LEAD)	The Hiring Studios	PYTHON/JAVA / HTML/CSS	Ms. Amisha jain	SVCE,Indore
42		0822CS213D04	Diksha Gajbhiya				SVCE,Indore
43	G15	0822CS201108	Swati Kushwah(LEAD)	Nova Mart	PYTHON/JAVA / HTML/CSS	Ms. Amisha jain	SVCE,Indore
44		0822CS201110	Tushar Gayakwad				SVCE,Indore
45		0822CS201107	Swati Jaiswal				SVCE,Indore
46		0822CS201089	Sakshi Jain				SVCE,Indore
47	G-16	0822CS201035	Himanshu Deshmukh (LEAD)	Blood Bank Management	HTML/CSS/ JAVA/MYSQL	Dr. Dharmendra Choukse	SVCE,Indore
48		0822CS201027	Gourav Ingle				SVCE,Indore
49		0822CS201064	Neelesh				SVCE,Indore
50		0822CS201056	Mann Pacchhaiya				SVCE,Indore
51	G-17	0822CS201001	Ayush Sawle (LEAD)	Social Media Site	HTML/CSS/JS/MYS QL	Ms.Akansha Dubey	SVCE,Indore
52		0822CS201045	Koashlesh Yadav				SVCE,Indore
53		0822CS201047	Kunal Mahajan				SVCE,Indore
54		0822CS201024	Ghabhanshu Wakoda				SVCE,Indore
56	G-18	0822CS201102	Shubham Yadav (LEAD)	Bill Managemnet System	JAVA/MYSQL	Ms. Amisha jain	SVCE,Indore
54		0822CS201114	Utsav Singh				SVCE,Indore
55		0822CS201120	Vinit Rajbhar				SVCE,Indore
56		0822CS201104	Sunil Yadav				SVCE,Indore

**Swami Vivekanand Group of Institute**  
**Department of Computer Science & Engineering Session Jan-June 2023-2024**  
**Course: B.Tech VI Sem**  
**Minor Project Details**

**Project Coordinators: Ms. Rekha Yadav & Teena Chouhan**

S.No.	Group Number	Enrollment Number	Name of Students	Project Name	Technology / Domain	Guide Alloted	Place
57	G-19	0822CS201076	Pratibha Kushwaha (LEAD)	Library Management	JAVA/MYSQL	Ms.Akansha Dubey	SVCE,Indore
58		0822CS201090	Samridhi				SVCE,Indore
59		0822CS201020	Deepika				SVCE,Indore
60	G-20	0822CS201048	Kunal Malviya (LEAD)	Virtual Assistant	PYTHON	Dr. Dharmendra Choukse	SVCE,Indore
61		0822CS201086	Rohit Kumar				SVCE,Indore
62		0822CS201103	Sumit Bangar				SVCE,Indore
63		0822CS201083	Rince				SVCE,Indore
64	G-21	0822CS201006	Ajay Sharma (LEAD)	College Selection	VA/CSS/HTML/MYS	Mrs Vaishali Upadhaya	SVCE,Indore
		0822CS201069	Om Deepak Patel				SVCE,Indore
65		0822CS201117	Vijay Sharma				SVCE,Indore
66		0822CS201088	Sachin Chouhan				SVCE,Indore
67	G-22	0822CS201009	Aman Bhumriya (LEAD)	E-Commerce Web/App	JAVA/CSS/HTML/ MYS	Dr. Dharmendra Choukse	SVCE,Indore
68		0822CS201016	Atul				SVCE,Indore
69		0822CS201010	Aman Naik				SVCE,Indore
70		0822ME201012	Gokul Ganesh				SVCE,Indore
71	G-23	0822CS201032	Harshit Soni (LEAD)	Fee Management System	JAVA/AWT/SWING /MYSQL	Mr. Ashish Tiwari	SVCE,Indore
72		0822CS201087	Rohit Prajapat				SVCE,Indore
73		0822CS213D03	Devendra Verma				SVCE,Indore
74		0822CS201094	Sarvjeet				SVCE,Indore
75	G-24	0822CS201093	Sapna Patel(LEAD)	Café Management	REACT JS	Mr. Ashish Tiwari	SVCE,Indore
76		0822CS201112	Umesh Chandel				SVCE,Indore
77	G-25	0822CS201053	Mahendra Pawar (LEAD)	ZeroCart Fashion Application	Flutter	Mrs Vaishali Upadhaya	SVCE,Indore
78		0822CS201055	Manish Sharma				SVCE,Indore
79		0822CS201050	Lokendra Rathore				SVCE,Indore
80	G-26	0822CS201081	Raveendra Patidar (LEAD)	Quiz Application	Android/Flutter	Dr. Dharmendra Choukse	SVCE,Indore
81		0822CS201060	Mohd.Rehan				SVCE,Indore
82		0822CS201124	Yash Gang				SVCE,Indore
83	G-27	0822CS201043	Khushi Jindal (LEAD)	Billing Management Software	JAVA/MYSQL	Dr. Dharmendra Choukse	SVCE,Indore
84		0822CS201065	Nishita Sharma				SVCE,Indore

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**Department of Computer Science & Engineering Session Jan-June 2023-2024**

**Course: B.Tech VI Sem**

**Minor Project Details**

**Project Coordinators: Ms. Rekha Yadav & Teena Chouhan**

S.No.	Group Number	Enrollment Number	Name of Students	Project Name	Technology / Domain	Guide Alloted	Place
85	G-28	0822CS201021	Devendra Dashlaniya(LEAD)	University Managemnet System	Java	Ms. Priya Sen	SVCE,Indore
86		0822CS201022	Devendra Singh				SVCE,Indore
87		0822CS201025	Gourav				SVCE,Indore
88		0822CS201030	HariomPatel				SVCE,Indore
89	G-29	0822CS201031	Harsh Kakore (LEAD)	Game Zone	Java	Ms. Teena Chouhan	SVCE,Indore
90		0822CS201037	Indresh Yadav				SVCE,Indore
91		0822CS201038	Jay Atude				SVCE,Indore
92		0822CS201079	Raja Bijoriya				SVCE,Indore
93	G-30	0822CS201026	Gaurav Choyal (LEAD)	News Application	REACT JS	Dr. Dharmendra Choukse	SVCE,Indore
94		0822CS201115	Vaibhav Daby				SVCE,Indore
95		0822CS201113	Utkarsh Sharma				SVCE,Indore
96		0822CS201080	Raman Malviya				SVCE,Indore
97	G - 31	0822CS201077	Praveen Prajapat(LEAD)	Tour Guide	HTML/CSS/ JAVASCRIPT	Ms. Rekha Yadav	SVCE,Indore
98		0822CS201095	Satyam Waskale				SVCE,Indore
99		0822CS201082	Ravindra Chouhan				SVCE,Indore
100	G - 32	0822CS201101	Shravan (LEAD)	Whether Forecast	Node JS/JAVASCRIPT /HTML/CSS	Ms. Rekha Yadav	SVCE,Indore
101		0822IT201045	Rohan Jagdale				SVCE,Indore
102		0822CS201125	Yash				SVCE,Indore
103		0822CS201118	Vikas Badwaya				SVCE,Indore
104	G - 33	0822CS201121	Vishal Nirgude (LEAD)	SVCE Grievances	JAVASCRIPT/REACT/CSS/JSX/NODEJS	Dr. Dharmendra Choukse	SVCE,Indore
105		0822CS201122	Vishal Waskale				SVCE,Indore
106	G - 34	0858CS201004	Ajay Dhade(LEAD)	Dream Event Organisation	HTML/CSS/JS/ JAVA	Ms.Praneeta Bisen	SVCE,Indore
107		0858CS201003	Abhishek Dubey				SVCE,Indore
108	G - 35	0822CS213D01	Anjali Neem (LEAD)	Application	JAVA	MS. Priya Sen	SVCE,Indore
109		0822CS213D02	Deepshikha Neem				SVCE,Indore
110		0822CS213D05	Divya				SVCE,Indore
111	G - 36	0822CS201042	Kartik Solanki(LEAD)	Phone Book System	JAVA	MS. Priya Sen	SVCE,Indore
112		0822CS201049	Kundlik				SVCE,Indore
113		0822CS201008	Akshat Soni				SVCE,Indore

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**Project Coordinator**

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The Major Project Report title entitled “**ASSIGNMENT SUBMISSION SYSTEM PROJECT**” being submitted by Ayush Gour(0822CS181016), Pushpak Gangle(0822CS181057), Anupam Chouhan(0822CS181012), Aishwriya Dharkar(0822CS181005) has been examined by us and is hereby approved for the award of degree “Bachelor of Technology in Computer Science And Engineering”, for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

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Date:

(External Examiner)  
Date: 04/05/2022



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The Major Project Report title entitled "**GROCERY E-SHOP**" being submitted by ANAND MATHE(0822CS181008), BHARTI PATIDAR(0822CS181017), DIVYANSH NAMDEV (0822CS181023), ANKIT KUMAR GUPTA(0822CS181010), has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer Science and Engineering.)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

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Date:

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The Major Project Report title entitled "New App" being submitted by Chirag Gupta (0822CS181020), Mahima Jonoriya (0822CS181036), Abhijeet Sahu (0822CS181002) has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer Science)", for which it has been submitted. It is understood that by this approval that the undersigned does not necessarily endorse or approve any statement made, opinion expressed, or conclusion drawn therein. I approve the dissertation only for the purpose for which it has been submitted.

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Date:

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Date: 4/17/24



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The Major Project Report title entitled "STOCK ANALYSIS" being submitted by Sawan Modi (0822CS181068), Yuvraj Singh Babel (0822CS181082), has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer Science & Engineering)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

*Mishra*

**(Internal Examiner)**

Date:

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**(External Examiner)**

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*[Signature]*

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The Major Project Report title entitled "Co-meet" being submitted by Mudit Tiwari (0822CS181043), Nimit Bhawsar (0822CS181050), Kritik More (0822CS181035), and Neeraj Jaat (0822CS18146) has been examined by us and hereby approved for the award of degree "Bachelor of Engineering (Computer Science)", for which it has been submitted. It is understood that by this approval that the undersigned does not necessarily endorse or approve any statement made, opinion expressed, or conclusion drawn therein but approves the dissertation only for the purpose for which it has been submitted.

*Mudit Tiwari*  
(Internal Examiner)

Date:

*[Signature]*  
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Date: 5/4/22

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The Major Project Report title entitled "Android News Application" being submitted by Shubham Pal (0822CS181073), Urvashi Patidar (0822CS181079), Sneha Patidar (0822CS181074), Rashmi Goyal (0822CS181061) has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer Science & Engineering)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.


  
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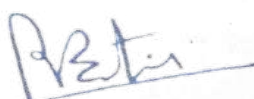
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## CERTIFICATE OF APPROVAL



The Major Project Report title entitled **“Well Style Home”** being submitted by Meghna Baviskar (0822CS181042) and Nandini Mali (0822CS181044) has been examined by us and is hereby approved for the award of degree **“Bachelor of Engineering” Computer Science and Engineering**, for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed, or conclusion drawn therein, but approve the same only for the purpose for which it has been submitted.


  
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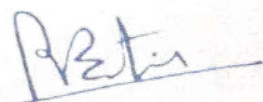
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The Major Project Report title entitled "House Rental Management System" being submitted by Yashraj Dighe (0822CS181081) has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer Science)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

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The Major Project Report title entitled "Apartment bazaar" being submitted by shubham dudhe, (0822cs181072), pawan patidar (0822cs181052), ravi chohan(0822cs181062), ramendra patriya(0822cs181060) has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer and science)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

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The Major Project Report title entitled “**Smart Contact Manager**” being submitted by Ashwin Krishna (0822CS181015), Abhishek Patel (0822CS181002), Deepak Yadav (0822CS181021) has been examined by us and is hereby approved for the award of degree “**Bachelor of Engineering (Computer Science)**”, for which has been submitted. It is understood that by this approval that the undersigned does not necessarily endorse or approve any statement made, opinion expressed, or conclusion drawn therein but approves the dissertation only for the purpose for which it has been submitted.

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The Major Project Report title entitled "Well Style Home" being submitted by Meghna Baviskar (0822CS181042) and Nandini Mali (0822CS181044) has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering" Computer Science and Engineering, for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed, or conclusion drawn therein, but approve the dissemination only for the purpose for which it has been submitted.

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The Major Project Report title entitled “**PRODUCT REVIEW SYSTEM USING WEB SCRAPPING**” being submitted by ANSH GARG (0822CS181011) has been examined by us and is hereby approved for the award of degree “Bachelor of Engineering (Computer Science)”, for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

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The Major Project Report title entitled "RW RAIN REMINDER" being submitted by Vidhi Ghadge (0822CS181080), Ninad Sharma (0822CS181007), Aman Jaiswal (0822CS181051), has been examined by us and is hereby approved for the award of degree "Bachelor of Engineering (Computer Science & Engineering)", for which it has been submitted. It is understood that by this approval that the undersigned do not necessarily endorse or approve any statement made, opinion expressed or conclusion drawn therein, but approve the dissertation only for the purpose for which it has been submitted.

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**Swami Vivekanand College of Engineering**

**Department of Information Technology**

**B.Tech. Semester- VI ,Minor Project -II, Project Allocation List, July - Dec 2022**

S. NO.	Group Number	Enrollement No.	Name of Students	Project Title	Guide Name	Place
1	G1	0822IT201001.	AAKANSHI DIXIT	Skeptic	Mrs.Meenakshi Prajapati	SVCE,Indore
2		0822IT201003	AASHUTOSH PAL			SVCE,Indore
3	G2	0822IT201012	ANKUSH BAGHSWARI	Exchange website	Ms.Shivani Gupta	SVCE,Indore
4		0822IT201014	ASHMIT MALVIYA			SVCE,Indore
5		0822IT201039	PRATIK CHOUDHARY			SVCE,Indore
6	G3	0822IT201024	ISHIKA MODI	Runtime Analyzer	Ms.Diksha Kshatriya	SVCE,Indore
7		0822IT201016	DEEPAK BHADORIYA			SVCE,Indore
8		0822IT201027	MAHEER BARUPAL			SVCE,Indore
9	G4	0822IT201019	DEEPMALA GOSWAMI	Rental House Management System	Mrs.Akansha Dubey	SVCE,Indore
10		0822IT201020	DEEPIKA JAISWAL			SVCE,Indore
11		0822IT201052	SHRUTI SENGAR			SVCE,Indore
12	G5	0822IT201048	SANDEEP PAWAR	E Learning System	Ms.Diksha Kshatriya	SVCE,Indore
13		0822IT201057	SUMIT KESHNIYA			SVCE,Indore
14		0822EC201021	PRATEEK PRAJAPAT			SVCE,Indore
15	G6	0822IT201035	PAYAL PARGE	online auction system	Mrs.Meenakshi Prajapati	SVCE,Indore
16		0822IT201050	SHIVANI PATEL			SVCE,Indore
17		0822IT201059	VANSHITA GOYAL			SVCE,Indore
18	G7	0822IT201031	MUKUL SHUKLA	E-Library Management System	Mrs.Priya Sen	SVCE,Indore
19		0822IT201055	SOURABH BHOR			SVCE,Indore
20		0822IT201061	VIKASH VISHWAKARMA			SVCE,Indore
21	G8	0822IT201013	ARCHI SHRIVAS	Design And Implementation Of Niswarth	Mrs.Akansha Dubey	SVCE,Indore
22		0822IT201040	PRATIKSHA TRIVEDI			SVCE,Indore
23		0822IT201047	SAKSHI JAISWAL			SVCE,Indore
24	G9	0822IT201042	PRIYAL GUPTA	Online Banking System	Ms.Chandramala Amarji	SVCE,Indore
25		0822IT201056	SOURABH NAMDEV			SVCE,Indore
26		0822IT201006	ABHISHEK GORE			SVCE,Indore
27	G10	0822IT201036	POONAM SINGH RAJPUT	Online Mock Test System	Mrs.Sapna Parmar	SVCE,Indore
28		0822IT201029	MOHIT VERMA			SVCE,Indore
29		0822IT201034	PARAG WADHWANI			SVCE,Indore
30	G11	0822IT201032	NIRAJ KAUSHAL	Online examination system	Ms.Chandramala Amarji	SVCE,Indore
31		0822IT201011	ANKIT PATEL			SVCE,Indore
32		0822IT201037	PRANJAL RAMTEKE			SVCE,Indore
33	G12	0822IT201043	RAHUL PRASAD SINGH	Blood Doner System	Mrs.Priya Sen	SVCE,Indore
34		0822IT201058	ASHWINI BHOYAL			SVCE,Indore
35		0822CE201002	ASHWINI BHOYAL			SVCE,Indore

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36	G14	0822IT201005	ABHINAV DEWDA	BLOCKVAULT - Decentralized File	Ms.Amisha Bhime	SVCE,Indore
37		0822IT201028	MIHIR DHIMAN			SVCE,Indore
38	G15	0822IT201021	GOURAV OSWAL	Online Notes System	Ms.Amisha Bhime	SVCE,Indore
39		0822IT201022	HARSH PUSHPAD			SVCE,Indore
40		0822IT201038	PRATHAM PATEL			SVCE,Indore
41	G16	0822IT201060	VARSHA MALVIYA	Grocery Store	Ms.Pranita Bisen	SVCE,Indore
42		0822IT201033	PALLAVI MESHARAM			SVCE,Indore
43	G17	0822IT201053	SHUBHAM MUKATI	Grievance Redressal System	Ms.Pranita Bisen	SVCE,Indore
44		0822IT201054	SHYAM VERMA			SVCE,Indore
45		0822IT201062	VISHAL KARMA			SVCE,Indore
46	G18	0822IT201002	AARTI GOSWAMI	Timesheet Management System	Ms.Aarti Khare	SVCE,Indore
47		0822IT201023	HARSH THAKUR			SVCE,Indore
48		0822IT201004	ABHAY SHINDE			SVCE,Indore
49	G19	0822IT201009	AKUL GEHLOT	Virtual Clinic	Ms.Aarti Khare	SVCE,Indore
50		0822IT201010	AMAN PATIDAR			SVCE,Indore
51		0822IT201025	JAY SOLANKI			SVCE,Indore
52	G20	0822IT201051	SHIVRAJ BAMNIYA	Group Chatting App	Ms.Chandramala Amarji	SVCE,Indore
53		0822IT201007	ABHISHEK PANWAR			SVCE,Indore
54		0822IT201008	AJAY KAUSHAL			SVCE,Indore
55	G21	0822IT201018	DEEPIKA JAISWAL	College Mang.System	Ms.Aarti Khare	SVCE,Indore
56		0822IT201017	DEEPAK RATHOD			SVCE,Indore
57		0822IT201030	MUJAHID SHEIKH			SVCE,Indore
		Project Coordinator				HOD - IT
		Ms.Meenakshi Rajapati				

*Meenakshi Rajapati*

**Head**  
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# Blockvault



A Dissertation submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

**Guided By:**

Mrs. Meenakshi Prajapati

**Assistant Professor**

**Submitted By:**


Abhinav Dewda 0822IT201005

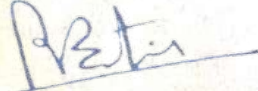
Mihir Dhiman 0822IT201028

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**June 2023**

  
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Assistant Professor

**Submitted By:**

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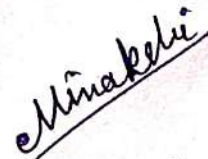
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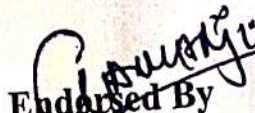
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## Recommendation


The project entitled "Blockvault" submitted by Abhinav Dewda and Mihir Dhiman is a satisfactory account of the bonafide work done under our supervision is recommended towards the partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2022.

Date:

  
Mrs. Meenakshi Prajapati  
Project Guide

  
Endorsed By

Head,

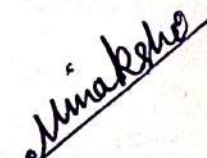
  
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## Dissertation Approval Sheet

The dissertation entitled **Blockvault** Submitted by **Abhinav Dewda and Mihir Dhiman** is approved as partial fulfillment for the award of **Bachelor of Engineering in Information Technology** degree by **Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal** for the academic year 2022.


  
Internal Examiner




  
External Examiner

  
Principal

Swami Vivekanand College of Engineering,  
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## Candidate Declaration


We hereby declare that the work which is being presented in this project entitled **Blockvault** in partial fulfillment of degree of **Bachelor of Engineering in Information Technology** is an authentic record of our own work carried out under the supervision and guidance of **Meenakshi Prajapati, Assistant Professor in Department of Information technology, Swami Vivekanand College of Engineering, Indore.**

We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.

**Date:**

**Place: Indore**

**Abhinav Dewda**

  
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## ACKNOWLEDGEMENTS

This project could not have been accomplished if not for the direct or indirect contribution from many known and unknown individuals. We wish to take this opportunity to express our profound gratitude to all of them.

I express my gratitude towards our project guide Mrs. Meenakshi Prajapati who gave us unending support from the stage the project was initiated. A source of inspiration, given by them, constantly kept our spirits high. We are very much thankful for being very much resourceful, kind and helpful. Her positive attitude, unassailable optimism and unwiring faith in us assured us that we came out of problems whenever we encountered difficulties. Finally, we wish to thank all my friends and the IT department for directly or indirectly helping us in the completion of this project. Last but not the least we would thank our family without whose support, motivation and encouragement this would not have been possible.

**Abhinav Dewda**

**Mihir Dhiman**

  
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# ?SKEPTIC

A Major Project Report Submitted To



A Dissertation submitted to

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Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

Guided By:

Mrs. Meenakshi Prajapati  
Assistant Professor


Submitted By:

Aakanshi Dixit (0822IT201001)  
Aashutosh Pal (0822IT201003)

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The project entitled "SKEPTIC" submitted by Aashutosh Rai, Aakanshi Dixit is a satisfactory account of the bonafide work done under my supervision is recommended towards the partial fulfillment for the award of **Bachelor of Engineering in Information Technology** degree by **Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal** for the academic year 2023.

Date:

*Meenakshi*  
Mrs. Meenakshi Prajapati  
(Project Guide)

*Chavhan*  
Endorsed By  
Head,

*AJ.*  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

*Prateek*  
PRINCIPAL  
SWAMI VIVEKANAND  
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KHANDWA ROAD, INDORE

# Dissertation Approval Sheet

The dissertation entitled **Skeptic** submitted by Aakanshi Dixit, Aashutosh pal is approved as partial fulfillment for the award of **Bachelor of Engineering in Information Technology** degree by **Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal** for the academic year 2023.

*Mina bali*

Internal Examiner

*[Signature]*

External Examiner



*[Signature]*

Principal

Swami Vivekanand College of Engineering, Indore (M.P.)

*[Signature]*  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

II

*[Signature]*  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Candidate Declaration

We hereby declare that the work which is being presented in this project entitled **Project Name** in partial fulfillment of degree of **Bachelor of Engineering in Information Technology** is an authentic record of our own work carried out under the supervision and guidance of **Name of Project Guide, Name of the post of the project guide in Department of Information technology, Swami Vivekanand College of Engineering, Indore.**


We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.

Date:

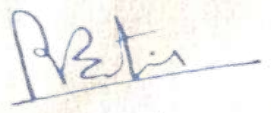
Place:

Aashutosh Pal

Aakanshi Dixit

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

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## ACKNOWLEDGEMENTS

You will find best and verified writers who are good in there subjects with less incorrect information. Sometimes queries can't be asked in classes or sometimes self learner people also keep their questions unasked. At this situation, they can ask their questions without and fear of being judged and can also get their answers or queries solved. ?Skeptic will be a platform which will includes every types of writers.

?Skeptic basically is a Q/A site where you ask your questions and you get all your doubts cleared from people around the world. You can also help people with their questions as well. You can contribute in some spaces and if you're an admin or a mod, you can manage submissions. You can create your own space related to anything you love and crosscheck the information which you have preferred. You can interact with your followers and you can keep them updated.

Aakanshi Dixit

Aashutosh pal

  
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IV

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# Online Examination System



A Dissertation submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya  
Towards partial fulfillment of the Requirements for  
The Degree of Bachelor of Engineering in  
Information Technology  
(Session 2023)

**Guided By:**


Ms. Chandramala Amarji  
(Head of Department)

**Submitted By:**

Ankit Patel(0822IT201011)  
Niraj Kaushal(0822IT201032)  
Parag Wadhvani(0822IT201034)

Department of Information Technology  
Swami Vivekanand College of Engineering, Indore

IQAC COORDINATOR June 2023  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

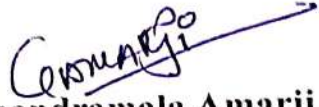
  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE



## Recommendation


The project entitled "Online Examination System" submitted by Ankit Patel, Niraj Kaushal and Parag Wadhvani is a satisfactory account of the bonafide work done under our supervision is recommended towards the partial fulfillment for the award of Bachelor of Engineering in Information Technology degree by Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for the academic year 2022.

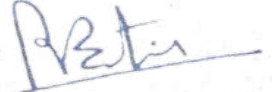
Date:

  
Chandramala Amarji  
(Head of Department)  
Project Guide

Endorsed By

Head,

  
Department of Information Technology  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
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SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## Candidate Declaration

We hereby declare that the work which is being presented in this project entitled **Online Examination System** in partial fulfillment of degree of **Bachelor of Engineering in Information Technology** is an authentic record of our own work carried out under the supervision and guidance of **Ms. Chandramala Amarji, Head of Department in Information technology, Swami Vivekanand College of Engineering, Indore.**

We are fully responsible for the matter embodied in this project in case of any discrepancy found in the project and the project has not been submitted for the award of any other degree.


**Date:**

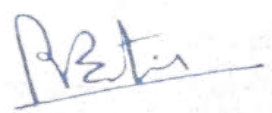
**Place:**

**Niraj Kaushal**

**Parag Wadhvani**

**Ankit Patel**

  
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KHANDWA ROAD, INDORE

## ACKNOWLEDGEMENTS

It is my sincere thanks to all enlisted people as well as not enlisted people, whose help and continuous inspiration leads to get this thesis done in a pleasant way; however it will be tough to thank them enough. I will nevertheless try...


I would like to own my gratitude and deep sense of respect towards my advisor and guide **Ms. Chandramala Amarji (HOD, IT)**, whose timing supervision and guidance has given me the moral boost in doing this work fine and furnished. I would like to express my gratitude to him for giving me a chance to work in the field of project making, which is really interesting and wonderful.

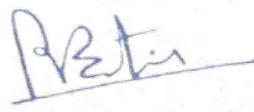
I am greatly indebted to his invaluable advice and support in almost every aspect of my academic life. I am very much indebted to **Ms. Akansha Kumayu (Coordinator, IT)** for his continuous encouragement and support. My sincere thanks goes to **Ms. Meenakshi Prajapati (Ass. Professor)** for his technical suggestions to improve the quality of thesis work.

**Ankit Patel**

**Niraj Kaushal**

**Parag Wadhvani**

  
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**Swami Vivekanand College of Engineering, Indore**

**Department of Electronics and Communication Engineering**

On the basis of students choice and their CGPA (Avg) the following guide and guide approved projects are allotted for Minor Project June 2023

S No	Group Number	Enrollment No	Students Name	Project Allotted	Guide Alloted	Place
1	G-1	0822EC201001	AARTI YADAV	Robotic Arm	Mr. Ravindra Sharma	SVCE,Indore
2		0822EC201005	ANUSHKA VISIHWAKARMA			SVCE,Indore
3		0822EC201013	KRISHNA YADAV			SVCE,Indore
4		0822EC201019	PAWAN MEHRA			SVCE,Indore
5		0822EC201003	ABHISHEK PATIDAR			SVCE,Indore
6	G-2	0822EC201023	RAHUL KUSHWAHA	Driver Drowsiness Detection	Mr. Ravindra Sharma	SVCE,Indore
7		0822ME201030	RAVI VERMA			SVCE,Indore
8		0822EC201025	ROSHANI CHOUHAN			SVCE,Indore
9		0822EC191042	SHIVAM PATEL			SVCE,Indore
10	G-3	0822EC201007	BABLI GOUR	Obstacle Aviding Robot	Mr. Jayesh Dabi	SVCE,Indore
11		0822EC201028	SATYAM VISHWAKARMA			SVCE,Indore
12		0822EC201018	NANDANI DEWARA			SVCE,Indore
13		0822EC201033	TUSHAR SANGHAVI			SVCE,Indore
14	G-4	0822EC201002	ABHIJEET GHADAGE	Electric Voting Machine	Mr.Hemant Verma	SVCE,Indore
15		0822EC201017	NANDANI UPADHYAY			SVCE,Indore
16		0822EC201020	PRANJAL RIMJHA			SVCE,Indore
17		0822EC201030	SHIVANI INGLA			SVCE,Indore
18		0822EC201022	RAHUL JAISWAR			SVCE,Indore
19	G-5	0822EC201016	MONIKA GADEKAR	Home Automation System	Dr. Megha Soni	SVCE,Indore
20		0822EC201032	TARUN VAGLE			SVCE,Indore
21		0822EC201029	SHIVAM PATIDAR			SVCE,Indore
22		0822EC201036	YOGESH YADAV			SVCE,Indore
23	G-6	0822EC201006	ARJUN GOUTAM	Micro Strip Antenna	Mr. Rohit Yadav	SVCE,Indore
24		0822EC201015	MAYANK YADAV			SVCE,Indore
25		0822EC201011	HEMENDRA PATIDAR			SVCE,Indore
26		0822EC201009	HARIOM CHOUDHARY			SVCE,Indore

*[Signature]*  
HOD

EC Department

**Head**  
Department of Electronics & Communication Engg.  
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*[Signature]*  
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COLLEGE OF ENGINEERING  
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(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



Minor Project On

**Robotic Arm**

Minor Project Report submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards partial fulfillment of the degree of

Bachelor of Technology in

Electronics and Communication Engineering

**Guided By:**

Mr. Ravindra Sharma

**Submitted By:**

Aarti Yadav (0822EC201001)

Anushka Vishwakarma (0822EC201005)

Krishna Yadav (0822EC201013)

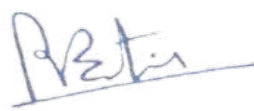
Pawan Mehra (0822EC201019)

Abhishek Patidar (0822EC201003)

**Project Coordinator:**

Mr. Jayesh Dabi

  
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KHANDWA ROAD, INDORE

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## RECOMMENDATION

We here by recommend that the minor project entitled "ROBOTIC ARM" submitted by Abhishek Patidar Aarti Yadav, Anushka Vishwakarma, Krishna Yadav, and Pawan Mehra is approved for the partial fulfillment of degree of Bachelor of Technology in EC.

Principal

Dr. Pradeep Patil

HOD

Dr. Megha Soni

Guide

Mr. Hemant Verma

IQAC COORDINATOR  
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KHANDWA ROAD, INDORE

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## DECLARATION

We Aarti Yadav, Abhishek Patidar, Anushka Vishwakarma, Krishna Yadav and Pawan Mehra Student of Swami Vivekanand College of Engineering hereby declare that this project "R OBOTIC ARM" is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore

Name & Rollno:


Aarti Yadav (0822EC201001)


Anushka Vishwakarma (0822EC201005)

Krishna Yadav (0822EC201013)

Pawan Mehra (0822EC201019)

Abhishek Patidar (0822EC201003)

  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)

(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



Minor Project

## Driver Drowsiness Detection

Minor Project Report submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards partial fulfillment of the degree of

Bachelor of Technology in

Electronics and Communication Engineering

### Guided By:

Mr. Ravindra Sharma

### Submitted By:

Rahul kushwaha(0822EC201023)


Ravi Verma(0822ME201030)

Shivam patel(0822EC191042)

Roshani Chouhan (0822EC191025)

### Project Coordinator:

Mr. Jayesh Dabi

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF



SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE-452001(M.P.)



RECOMMENDATION

We here by recommend that the minor project entitled” **Driver Drowsiness Detection**” submitted by Rahul kushwaha, Ravi Verma, Roshani Chouhan and Shivam Patel is approved for the partial fulfillment of degree of Bachelor of Technology in Electronics and communication.

Principal

Dr. Pradeep Patil

HOD

Dr. Megha Soni

Guide

Mr. Ravindra Sharma

IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Declaration

We Rahul kushwaha ,Ravi Verma, Roshani Chouhan and Shivam Patel Student of Swami Vivekanand college of Engineering hereby declare that this Minor project "Driver Drowsiness Detection " is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

Name & Rollno:


Rahul kushwaha(0822EC201023)

Ravi Verma(0822ME201030)

Shivam patel(0822EC191042)

Roshani Chouhan (0822EC191025)

  
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Minor Project On

**Obstacle Avoiding Robot**

Minor Project Report submitted to

Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal

Towards partial fulfillment of the degree of Bachelor  
of Technology in

Electronics and Communication Engineering.

**Guided By:**

Mr. Jayesh Dabi

**Submitted By:**

Satyam Vishwakarma(0822EC201028)


Babli Gour (0822EC201007)

Tushar Sanghavi (0822EC201033)

Nandini Dewara (0822EC201018)

**Project Coordinator:**

Mr. Ravindra Sharma

  
IQAC COORDINATOR  
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KHANDWA ROAD, INDORE

  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Recommendation

We here by recommend that the minor project entitled “Obstacle Avoiding Robot” submitted by “Satyam Vishwakarma, Tushar Sanghavi, Nandini Dewara and Babli Gour” is approved for the partial fulfillment of degree of Bachelor of Technology in Electronics and Communication.

Principal

Dr. Pradeep Patil

HOD:

Mrs. Megha Soni

Guide:

Mr. Jayesh Dabi

IQAC COORDINATOR  
SWAMI VIVEKANAND  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Declaration

We “**Satyam Vishwakarma, Tushar Sanghavi, Nandini Dewara and Babli Gour**” Student of Swami Vivekanand College of Engineering hereby declare that this project “**Obstacle Avoiding Robot**” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

### Name & Enrolment No:

Satyam Vishwakarma (0822EC201028)

Babli Gour (0822EC201007)

Tushar Sanghavi(0822EC201033)

Nandini Dewara (0822EC201018)

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Minor Project On

**Electronic voting machine**

Minor Project Report

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards partial fulfillment of the degree of

Bachelor of Technology in

Electronics and Communication Engineering

**Guided By:**

Mr. Hemant Varma

**Submitted By:**

Pranjal Rimjha (0822EC201020)

Nandini Upadhyay (0822EC201017)

Rahul Jaiswar (0822EC201022)


Abhijeet Gadhage (0822EC201002)

Shivani Ingla (0822EC201030)

**Project Coordinator:**

Mr. Jayesh Dabi

IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Recommendation

We here by recommend that the major project entitled "electronic voting machine" submitted by Pranjal Rimjha, Nandini Upadhyay, Rahul Jaiswar, Shivani Ingla and Abhijeet Gadhage is approved for the partial fulfillment of degree of Bachelor of Engineering in Electronics and communication.

Principal

Dr. Pradeep Patil

HOD

Dr. Megha Soni

Guide

Mr. Hemant Varma

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE



# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Declaration

We Pranjal Rimjha ,Nandini Upadhyay,Rahul Jaiswar, Shivani Ingla and Abhijeet Gadhage Student of Swami Vivekanand college of Engineering hereby declare that this project” Electronic voting machine” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

Name & Rollno:


Pranjal Rimjha(0822EC201020)

NandiniUpadhyay(0822EC201017)

Rahul Jaiswar(0822EC201022)

Abhijeet Gadhage(0822EC201002)

Shivani Ingla (0822EC201030)

  
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**INDORE-452001(M.P.)**

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Minor Project On

**Home Automation System**

Minor Project Report submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards partial fulfilment of the degree of

Bachelor of Technology in

Electronics and Communication Engineering

**Guided By:**

Dr. Megha Soni

**Submitted By:**

Tarun Vagle - 0822EC201032

Yogesh Yadav - 0822EC201036

Monika Gadekar - 0822EC201016

Shivam Patidar - 0822EC201029

**Project Coordinator:**

Mr. Jayesh Dabi

**IQAC COORDINATOR**  
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**KHANDWA ROAD, INDORE**

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## Recommendation

We here by recommend that the minor project entitled " Home Automation System " submitted by **Tarun Vagle, Yogesh Yadav, Shivam Patidar** and **Monika Gadekar** is approved for the partial fulfillment of degree of Bachelor of Technology in Electronics and communication.

Principal

Dr. Pradip Patil

HOD

Dr. Megha Soni

Guide

Dr. Megha Soni

IQAC COORDINATOR  
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# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

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## Declaration

We Tarun Vagle, Yogesh Yadav, Shivam Patidar and Monika Gadekar Student of Swami Vivekanand college of Engineering hereby declare that this project” **Home Automation System** ” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.


Name & Rollno:

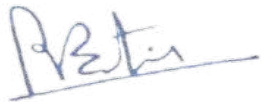
Tarun Vagle - 0822EC201032

Yogesh Yadav - 0822EC201036

Monika Gadekar - 0822EC201016

Shivam Patidar- 0822EC201029

  
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INDORE-452001(M.P.)**

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**Minor Project On**

**Micro Strip Antenna**

**Minor Project Report submitted to**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**

**Towards partial fulfilment of the degree of**

**Bachelor Of Technology**

**Electronics and Communication Engineering**

**Guided By:**

**Mr. Rohit Yadav**

**Submitted By:**

**Arjun Gautam**


**Mayank Yadav**

**Hemendra Patidar**

**Hariom Choudhary**

**Project Coordinator:**

**Mr. Jayesh Dabi**

  
IQAC COORDINATOR  
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INDORE-452001(M.P.)**

(Affiliated To R.G.P.V. Bhopal Recognized By: Govt. of M.P.)



Minor Project On

**Micro Strip Antenna**

Minor Project Report submitted to

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Towards partial fulfilment of the degree of

Bachelor Of Technology

Electronics and Communication Engineering

**Guided By:**

Mr. Rohit Yadav

**Submitted By:**

Arjun Gautam


Mayank Yadav

Hemendra Patidar

Hariom Choudhary

**Project Coordinator:**

Mr. Jayesh Dabi

  
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INDORE-452001(M.P.)



RECOMMENDATION

We here by recommend that the minor project entitled "MICRO STRIP ANTENNA" submitted by Arjun Gautam, Mayank Yadav, Hemendra Patidar, Hariom Choudhary is approved for the partial fulfilment of degree of Bachelor of Engineering in Electronics and communication.

  
Principal


Dr Pradeep Patil

  
HOD

Dr Megha Soni

  
Guide

Mr. Rohit Yadav

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# SWAMI VIVEKANAND COLLEGE OF ENGINEERING

INDORE-452001(M.P.)



## RECOMMENDATION

### Declaration

We Arjun Gautam, Mayank Yadav, Hemendra Patidar and Hariom Choudhary Student of Swami Vivekanand college of Engineering hereby declare that this project “MICRO STRIP ANTENNA” is our unaided work with exception of guidance and ideas given by faculties of SVCE, Indore.

Name & Roll no.:


Arjun Gautam (0822EC201006)

Mayank Yadav (0822EC201015)

Hemendra Patidar (0822EC201011)


Hariom Choudhary (0822EC201009)

  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDRF


  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

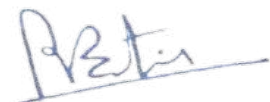
### Third Year Minor Project Allocation List Jan-June 2023

Sr.	Group Number	Name of Student	Enrollment No.	Topic Name	Guide name	PLACE
1	G-1	HARSHA MAKRAIYA	0822CE201008	Planning & Designing of G+1 residential building	Mahesh Kumar Patidar	SVCE, INDORE
		SARIKA KANNOJ	0822CE201021			SVCE, INDORE
		SNEHA GORA	0822CE201023			SVCE, INDORE
		SURAJ CHOUHAN	0822CE201025			SVCE, INDORE
2	G-2	HARSH AWALE	0822CE201007	Partial replacement of Course aggregate by jama brick aggregate.	Mr kapil kushwah	SVCE, INDORE
		SAMARTH KUMAR PATEL	0822CE201020			SVCE, INDORE
		SATISH	0822CE201022			SVCE, INDORE
3	G-3	GAUTAM NAHAR	0822CE201006	Campus Survey by total station	Mr Mahesh Kumar Patidar	SVCE, INDORE
		MOHAMMAD AASIF MULTANI	0822CE201014			SVCE, INDORE
		NITIN BAJHAIYA	0822CE201018			SVCE, INDORE
		ROHIT LODHA	0822CE201019			SVCE, INDORE
		YOGESH PRAJAPAT	0822CE201029			SVCE, INDORE
4	G-4	YOGESH OJHA	0822CE201028	Residential building	Ms. Sakshi	SVCE, INDORE
5	G-5	SONU JADHAM	0822CE201024	Partial replacement of cement by sugar cane bagasse ash	Mr kapil kushwah	SVCE, INDORE
		MUKESH	0822CE201016			SVCE, INDORE
		VIPIN	0822CE201026			SVCE, INDORE
		RAHUL MALVIYA	0822CE213D10			SVCE, INDORE
6	G-6	AASHISH PATHE	0822CE201001	Partial replacement of cement by sugar cane bagasse ash	Mr kapil kushwah	SVCE, INDORE
		ATUL KOURAV	0822CE201003			SVCE, INDORE
		KARAN ALAVE	0822CE201011			SVCE, INDORE
		MOHIT BIRLA	0822CE201015			SVCE, INDORE
7	G-7	VISHVAJEET SAGAR	0822CE213D14	Planning & Designing of G+1 residential building	Mr Vikas Joshi	SVCE, INDORE
		SUMIT JAISWAL	0822CE213D13			SVCE, INDORE
		NITESH	0822CE213D08			SVCE, INDORE
8	G-8	AYUSHI MALVIYA	0822CE213D01	Planning & Designing of G+2 residential building	Mr Vikas Joshi	SVCE, INDORE
		DAIDIPYA VYAS	0822CE213D02			SVCE, INDORE
		MOHIT BARAI	0822CE213D06			SVCE, INDORE
		NEHA PANADIYA	0822CE213D07			SVCE, INDORE
		SHARAD PANCHAL	0822CE213D11			SVCE, INDORE

  
 Ms. Sakshi  
 project coordinator

  
 Mr. Soufath verma  
 HOD Civil

  
 IQAC COORDINATOR  
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 PRINCIPAL  
 SWAMI VIVEKANAND  
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# CAMPUS SURVEY BY TOTAL STATION



2022-2023

*A Dissertation Submitted to  
Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal  
towards the partial fulfillment of the degree of*

**Bachelor of Technology**

**[Civil Engineering]**

Supervised by:

Mr. Mahesh Patidar  
Assistant Professor, CED  
S.V.C.E., Indore

Submitted by:

Gautam Nahar (0822CE201006)  
Asif Multani (0822CE201014)  
Nitin Bajhaiya (0822CE201018)  
Rohit Lodha (0822CE201019)

DEPARTMENT OF CIVIL ENGINEERING  
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**DEPARTMENT OF CIVIL ENGINEERING**

A Private Institute  
Affiliated to RGPV, Bhopal




**2022-2023**

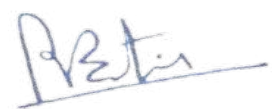
**RECOMMENDATION**

We are pleased to recommend that the dissertation work entitled "Campus Survey By Total Station" submitted by **Gautam Nahar (0822CE201006)**, **Asif Multani (0822CE201014)**, **Nitin Bajhaiya (0822CE201018)**, **Rohit Lodha (0822CE201019)** may be accepted in partial fulfillment of the degree of **Bachelor of Technology [Civil Engineering]** of **Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal (M.P.)** during the session **2022-2023**.

  
**Mr. Mahesh Patidar**  
Assistant Professor,  
CED- S.V.C.E., Indore

  
**Mr. Goutam Varma**  
Assistant Professor & HOD  
CED- S.V.C.E., Indore

  
**Forwarded by:**  
**Principal**  
IQAC COORDINATOR  
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KHANDWA ROAD, INDORE

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## DECLARATION



## CERTIFICATE

This is to certify that the dissertation entitled “**Campus Survey By Total Station**” submitted by **Gautam Nahar (0822CE201006)**, **Asif Multani (0822CE201014)**, **Nitin Bajhaiya (0822CE201018)**, **Rohit Lodha (0822CE201019)** is accepted in partial fulfillment of the degree of **Bachelor of Technology, Civil Engineering** of **Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal** during the session **2022-2023**.

*Arushi*  
23/05/23  
**Internal Examiner**  
Date: 23/05/23

*Arushi*  
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*Arushi*  
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I, **Gautam Nahar (0822CE201006), Asif Multani (0822CE201014), Nitin Bajhaiya (0822CE201018), Rohit Lodha (0822CE201019)** students of bachelor of engineering, (Civil Engineering), CED declare that the dissertation **Campus Survey By Total Station** is my own work conducted under the supervision of **Mr. Mahesh Patidar, Assistant Professor, Civil Engineering Department, S.V.C.E. Indore (M.P.)**.

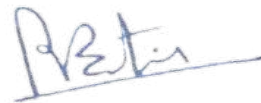
I further declare that to the best of my knowledge this dissertation work does not contain any part of any work which has been submitted for the award of any degree or any other work either in this University or in any other University/ websites without proper citation.

Signature of Candidate:  ,  ,  , 

Name of the Candidate: **Gautam Nahar, Asif Multani, Nitin Bajhaiya, Rohit Lodha**

St. Enrollment Number: **0822CE201006, 0822CE201014, 0822CE201018, 0822CE201019**

  
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## DECLARATION ACKNOWLEDGEMENT

I would like to express my deepest gratitude and appreciation to my guide **Mr. Mahesh Patidar**, Assistant Professor, Civil Engineering Department, S.V.C.E., Indore, for his guidance and support during this dissertation project. His support and inspiring suggestions have been precious to me.

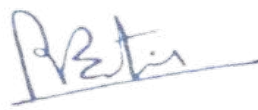
I would like to thank and acknowledge HOD **Mr. Goutam Varma**, Assistant Professor, Civil Engineering Department, S.V.C.E., Indore for their valuable cooperation and guidance during the project.

I would also like to thank all the staff members for their generous help in various ways during my project work.

It is a great pleasure for me to acknowledge and express my gratitude to my friends for their understanding and unstinted support.

**Gautam Nahar  
Asif Multani  
Nitin Bajhaiya  
Rohit Lodha**

  
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KHANDWA ROAD, INDORE

**Swami Vivekanand College of Engineering, Indore**

**Mechanical Engineering Department**


**VI SEM BATCH 2020-2024 (SESSION: JAN JUNE 2023)**

**Details of Minor Project II (ME-608)**

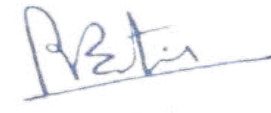
Group No.		Name of Group Members	Roll No	Project Title	Guide Name	Place
1	1	ABDUL LATIF MULTANI	0822ME201001	Engine modification in BAJA Vehicle	Mr. Manoj Sharma	SVCE , Indore
	2	ANIKET CHOUHAN	0822ME201005			
	3	RAVI YADAV	0822ME201029			
	4	SURAJ SHARMA	0822ME201038			
2	5	MOHIT TOMAR	0822ME201022	Mini Air Compressor	Dr. Rahul Joshi	SVCE , Indore
	6	GAUTAM BHARTI	0822ME201011			
	7	DIGVIJAY PANCHAL	0822ME201010			
	8	SHUBHAM RAGHUVANSHI	0822ME201036			
3	9	MOHAMMAD HASAN MULTANI	0822ME201021	Metal Roller Bender	Ms. Priyanka Potghan	SVCE , Indore
	10	SHAHBAZ QURESHI	0822ME201034			
	11	AMEEN MANSURI	0822ME201004			
4	12	GOUTAM DHANGAR	0805ME201007	Magnetic Separator	Mr. Vishal Wankade	SVCE , Indore
	13	ANKIT PANCHAL	0822ME201006			
	14	MADHUSUDAN YADAV	0822ME201017			
5	15	GOURAV PAL	0822ME201013	Battery Charger With Stirling Engine	Mr. Ajay Bhargav	SVCE , Indore
	16	TARUN SHRIVANSH	0822ME201039			
	17	YUVRAJ GOUD	0822ME201041			
6	18	ABHAY VERMA	0822ME213D01	Coir Fiber, Composite, Hand layup	Mr. Manoj Sharma	SVCE , Indore
	19	SARVESH ZAMINDAR	0822ME213D11			
7	20	ANSHUL SHARMA	0822ME201007	Prgressive die for manufacturing	Mr. Rahul Nandwal	SVCE , Indore
	21	HARIOM NAGAR	0822ME201015			
	22	Meraj Aalam Ali	0822ME201020			
	23	Rameshwar Awsarmol	0822ME201028			
	24	SOURABH VISHWAKARMA	0822ME201037			
8	25	GANESH DAYMA	0822ME213D04	Solar Dryer	Mr. Manoj Sharma	SVCE , Indore
	26	RONAK KOKANE	0822ME213D10			
	27	VIPUL KALE	0822ME213D15			
	28	SAVAN	0822ME213D12			
	29	ABHISHEK RAJ	0822ME213D02			
9	30	KRISHNA MAHAJAN	0822ME213D05	Abrasive jet machine	Dr. Rahul Joshi	SVCE , Indore
	31	POOJA VARMA	0822ME213D08			
	32	PRATHAM VISHWAKARMA	0822ME213D09			
	33	ASHUTOSH DWIVEDI	0822ME213D03			
10	34	NEERAJ MORLE	0822ME201024	Can crusher	Ms. Priyanka Potghan	SVCE , Indore
	35	AMAN TILOTIYA	0822ME201003			
	36	PIYUSH KADOLIYA	0822ME201027			

  
Project Coordinator

  
HEAD  
MED , SVCE INDORE

  
IQAC COORDINATOR  
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Head  
Department of Mechanical Engineering  
Swami Vivekanand College of Engineering

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

**A**  
**MINOR PROJECT-IREPORT**

Submitted in partial fulfilment for the requirements for the award of  
Under Graduate Degree of

**BACHELOR OF ENGINEERING**  
**IN**  
**MECHANICAL ENGINEERING**

**“ROLLER BENDING MACHINE”**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya,**  
**BHOPAL (M.P.)**



**2022-2023**

**Guided By:**


Asst. Prof. Priyanka potghan  
Mechanical Department

SVCE Indore

**Submitted By:**

Hasan Multani (0822ME201021)  
Shahbaz Qureshi (0822ME201034)  
Ameen Mansuri (0822ME201004)

Department of Mechanical Engineering

  
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KHANDWA ROAD, INDORF

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE (M.P.)**

**Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)**



**CERTIFICATE**

This is to certify that **“HASAN MULTANI (0822ME201021), SHAHBAZ QURESHI (0822ME201034), AMEEN MANSURI (0822ME201004)”** have successfully completed Minor Project-II

**“ROLLER BENDING MACHINE”**

**As per the syllabus and submitted a satisfactory report on this project as a partial fulfilment towards the degree of**


**Bachelor of Engineering  
In  
Mechanical Engineering  
From**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**

  
Prof. Priyanka Potghan

**Guide**

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SVCE

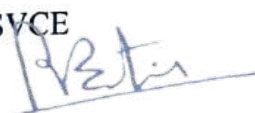
  
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**Head**  
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**HOD**

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**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE (M.P.)**

(Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)



**Candidate's Declaration**

We hereby declare that work which is being presented in the thesis entitled **“ROLLER BENDING MACHINE ”** submitted by **Hasan Multani, Shahbaz Qureshi and Ameen Mansuri** is approved for the partial fulfilment of degree of **Bachelor of Engineering in Mechanical Engineering.**


Date :- 24-03-2023


Hasan Multani (0822ME201021)

Place :- Indore

Shahbaz Qureshi (0822ME201034)

Ameen Mansuri (0822ME201004)

  
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KHANDWA ROAD, INDORF

  
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SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## ACKNOWLEDGEMENT

We are thankful to the technical university Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for giving me opportunity to convert my technical knowledge into the practical skills through this project.

Any work of this magnitude required input, efforts and encouragement of people from all sides. In compiling this project, we have been fortunate enough to get active and kind cooperation from many people without which may endeavours wouldn't have been a success.

The project work has been made successful by the cumbersome effort of the faculties. We express our profound sense of gratitude to **Dr. Pradeep Patil**, Principal of Swami Vivekanand College of Engineering, Indore (M.P) who were involved right from the inception of ideas to the finalization of the work.

We would like to express our deep sense of gratitude and thank profusely to Head of Mechanical Engineering, S.V.C.E, Indore (M.P) **Dr. Manoj Sharma** for sincere & invaluable guidance, suggestion and attitude which inspired us to submit thesis report in the present form.

We would like to express our deep sense of gratitude to our project guide **Mrs. Priyanka Potghan** assistant professor under whose valuable guidance, for encouraging us regularly and providing us each and every facility. We were able to execute our project smoothly.


Last but not the list we are grateful to our parents and family members and colleagues, for their continuous support and encouragement in success of this project.

Name of the Students:

Hasan Multani  
(0822ME201021)

Shahbaz Qureshi  
(0822ME201034)

Ameen Mansuri  
(0822ME201004)

  
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KHANDWA ROAD, INDOR

A  
**MINOR PROJECT-II REPORT**

Submitted in partial fulfilment for the requirements for the award of  
Under Graduate Degree of  
**BACHELOR OF ENGINEERING**  
IN  
**MECHANICAL ENGINEERING**

**“Battery Charger With Stirling Engine”**

Submitted to  
**Rajiv Gandhi Pradyogiki Vishwavidyalaya,**  
**BHOPAL (M.P.)**



2022-23

**Guided By:**

Dr. Rahul Joshi

Mechanical Department

**Submitted By:**


Gaurav Pal (0822ME20100513)

Yuvraj Goud (0822ME201041).

Tarun Shrivansh (0822ME201039)

Department of Mechanical Engineering  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF





## CERTIFICATE

This is to certify that "GAURAV PAL (0822ME201013), YUVRAJ GOUD (0822ME201041), TARUN SHRIVANSH (0822ME201039)" have successfully completed Minor Project-II.

"Battery Charger With Stirling Engine"


As per the syllabus and submitted a satisfactory report on this project as a partial fulfilment towards the degree of  
**Bachelor of Engineering**  
In  
**Mechanical Engineering**  
From  
**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**

  
Dr. RAHUL JOSHI  
Guide  
Mechanical Dept.  
SVCE

  
Manoj Sharma  
HOD  
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Department of Mechanical Engineering  
Swami Vivekanand College of Engineering, INDORE

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KHANDWA ROAD, INDORE



### Candidate's Declaration

We hereby declare that work which is being presented in the thesis entitled "Battery Charger With Stirling Engine" submitted by **GAURAV PAL (0822ME201013), YUVRAJ GOUD (0822ME201041), TARUN SHRIVANSH (0822ME201039)** is approved for the partial fulfilment of degree of Bachelor of Engineering in **Mechanical Engineering.**

Date:

Gaurav Pal(0822ME201013)

Place: Indore

TarunShrivansh(0822ME201039)

Yuvraj Goud (0822ME201041)

  
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## ACKNOWLEDGEMENT

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### **Name of the Students:**

Gaurav Pal


(0822ME201013)

Yuvraj Goud

(0822ME201041)

Taran Shrivasth

(0822ME201039)

  
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KHANDWA ROAD, INDOR

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

**A**  
**MINOR PROJECT-II REPORT**

Submitted in partial fulfilment for the requirements for the award of  
Under Graduate Degree of

**BACHELOR OF ENGINEERING**

**IN**  
**MECHANICAL ENGINEERING**

**“Coir Fiber, Composite, Hand layup”**

**Submitted to**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya,  
BHOPAL (M.P.)**



**2022-2023**


**Guided By:**

Asst. Prof. Mr. Manoj Sharma  
Mechanical Department  
SVCE Indore

**Submitted By:**

Abhay Verma (0822ME213D01)  
Sarvesh Zamindar (0822ME213D11)

**Department of Mechanical Engineering**

  
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KHANDWA ROAD, INDORE

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

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INDORE (M.P.)

Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)



## CERTIFICATE

This is to certify that "Abhay Verma (0822ME213D01), Ashutosh Dwivedi (0822ME213D03), Ganesh Dayma (0822ME213D04), Ronak Kokane (0822ME213D10), Sarvesh Zamindar (0822ME213D117), Vipul Kale (0822ME213D15) and Rameshwar Awasarmol (0822ME201028)

" have successfully completed Minor Project-I.

**"Coir Fiber, Composite, Hand layup"**

As per the syllabus and submitted a satisfactory report on this project as a partial fulfilment towards the degree of

**Bachelor of Engineering  
In  
Mechanical Engineering  
From**

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**

Prof. Mr. Manoj Sharma

Guide

Mechanical Dept.  
SVCE

**Head**

Department of Mechanical Engineering

Swami Vivekanand College of Engineering, Indore

Mr. Manoj Sharma

**HOD**

Mechanical Dept.  
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2/ Page

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**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**

**INDORE (M.P.)**

**(Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)**



**Candidate's Declaration**


We hereby declare that work which is being presented in the thesis entitled "**BAJA-Transmission system**" submitted by **Abhay Verma, Madhusudan Yadav, Ganesh Dayma, Ronak Kokane, Sarvesh Zamindar, Vipul Kale and Rameshwar Awasarmol** is approved for the partial fulfilment of degree of **Bachelor of Engineering in Mechanical Engineering**.

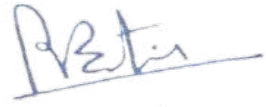
Date :-

Abhay Verma (0822ME213D01)

Place:-

Sarvesh Zamindar (0822ME213D11)

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

## ACKNOWLEDGEMENT

We are thankful to the technical university Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for giving me opportunity to convert my technical knowledge into the practical skills through this project.

Any work of this magnitude required input, efforts and encouragement of people from all sides. In compiling this project, we have been fortunate enough to get active and kind cooperation from many people without which may endeavours wouldn't have been a success.

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We would like to express our deep sense of gratitude and thank profusely to Head of Mechanical Engineering, S.V.C.E, Indore (M.P) **Mr. Manoj Sharma** for sincere & invaluable guidance, suggestion and attitude which inspired us to submit thesis report in the present form.


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Last but not the list we are grateful to our parents and family members and colleagues, for their continuous support and encouragement in success of this project.

Name of the Students:

Abhay Verma (0822ME213D01)

Sarvesh Zamindar (0822ME213D11)

  
IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

**A**  
**MINOR PROJECT-III REPORT**

Submitted in partial fulfillment for the requirements for the award of  
Under Graduate Degree of

**BACHELOR OF ENGINEERING**

**IN**  
**MECHANICAL ENGINEERING**

**"MINI AIR COMPRESSOR"**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya,**

**BHOPAL (M.P.)**



**2023-2024**

**Guided By:**

Asst. Prof. Priyanka Potghan

Mechanical Department

SVCE Indore

(0822ME201036)

**IQAC COORDINATOR**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

**Submitted By:**

MOHIT TOMAR (0822ME201017)

GAUTAM BHARTI (0822ME201011)

DIGVIJAYPANCHAL ( 0822ME201038)

SHUBHAM

RAGHUVANSHI

Department of Mechanical Engineering

**PRINCIPAL**  
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**KHANDWA ROAD, INDORE**

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING  
INDORE (M.P.)**

Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)



**CERTIFICATE**

This is to certify that “MOHIT TOM,AR (0822ME201017), GAUTAM BHARTI (0822ME201011), DIGVIJAY PANCHAL (0822ME201010), SHUBHAM RAGHUVANSHI(0822ME201036)” have successfully completed Minor Project-II

**“MINI AIR COMPRESSOR”**

As per the syllabus and submitted a satisfactory report on this project as a partial fulfillment towards the degree of

Bachelor of Engineering

In

Mechanical Engineering

From

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal

Prof. Priyanka Potghan


**Guide**

Mechanical Dept.  
SVCE

Manoj Sharma

**HOD**

Mechanical Dept.  
SVCE

  
**IQAC COORDINATOR**  
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**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

  
**PRINCIPAL**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORE**

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**  
**INDORE (M.P.)**  
 (Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)



**Candidate's Declaration**

We hereby declare that work which is being presented in the thesis entitled “MINI AIR COMPRESSOR” submitted by **MOHIT TOMAR ,GAUTAM BHARTI,DIGVIJAY PANCHAL,AND SHUBHAM RAGHUVANSHI** is approved for the partial fulfillment of degree of Bachelor of Engineering in Mechanical Engineering.

Date :-


Mohit tomar (0822ME201017)


Place :- Indore

Gautam bharti (0822ME201011)

Digvijay panchal (0822ME201010)

Shubham Raghuvanshi (0822ME201036)

  
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 SWAMI VIVEKANAND  
 COLLEGE OF ENGINEERING  
 KHANDWA ROAD, INDORE

## ACKNOWLEDGEMENT

We are thankful to the technical university Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal for giving me opportunity to convert my technical knowledge into the practical skills through this project.

Any work of this magnitude required input, efforts and encouragement of people from all sides. In compiling this project, we have been fortunate enough to get active and kind cooperation from many people without which my endeavours wouldn't have been a success.

The project work has been made successful by the cumbersome effort of the faculties. We express our profound sense of gratitude to **Manoj Sharma**, Principal of Swami Vivekanand College of Engineering, Indore (M.P) who were involved right from the inception of ideas to the finalization of the work.

We would like to express our deep sense of gratitude and thank profusely to Head of Mechanical Engineering, S.V.C.E, Indore (M.P) **Manoj Sharma** for sincere & invaluable guidance, suggestion and attitude which inspired us to submit thesis report in the present form.

We would like to express our deep sense of gratitude to our project guide **Mrs. Priyanka Potghan** assistant professor under whose valuable guidance, for encouraging us regularly and providing us each and every facility. We were able to execute our project smoothly.

Last but not the list we are grateful to our parents and family members and colleagues, for their continuous support and encouragement in success of this project.


Name of the Students:

Mohit Tomar (0822ME201001)

Gautam Bharti (0822ME201005)

Digvijay panchal (0822ME201010)

Shubham Raghuvanshi  
(0822ME201036)

  
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KHANDWA ROAD, INDORE

**A**  
**MINOR PROJECT-II REPORT**

Submitted in partial fulfilment for the requirements for the award of  
Under Graduate Degree of

**BACHELOR OF ENGINEERING**

**IN**  
**MECHANICAL ENGINEERING**

**“Engine modification in BAJA Vehicle”**

Submitted to

**Rajiv Gandhi Proudyogiki Vishwavidyalaya,**

**BHOPAL (M.P.)**



**2022-2023**

**Guided By:**

Asst. Prof. Mr. Vishal Wankhade  
Mechanical Department  
SVCE Indore

**Submitted By:**

Abdul Latif Muhani (0822ME201001)  
Aniket Chouhan (0822ME201005)  
Ravi Yadav (0822ME201029)  
Suraj Sharma (0822ME201038)

Department of Mechanical Engineering

**SWAMI VIVEKANAND COLLEGE OF ENGINEERING**

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Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)

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**KHANDWA ROAD, INDORE**



## CERTIFICATE


This is to certify that “Abdul Latif Multani (0805ME201001), Aniket Chouhan (0822ME201005), Ravi Yadav (0822ME201029) and Suraj Sharma (0822ME201038)” have successfully completed Minor Project-II.

**“Engine modification in BAJA Vehicle”**

As per the syllabus and submitted a satisfactory report on this project as a partial fulfilment towards the degree of

**Bachelor of Engineering  
In  
Mechanical Engineering  
From**


**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**

  
Prof. Mr. Manoj Sharma

**Guide**

Mechanical Dept.  
SVCE

**Head**  
Department of Mechanical Engineering  
SVCE

  
Mr. Manoj Sharma


**HOD**

Mechanical Dept.  
SVCE

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**INDORE (M.P.)**

(Affiliated To Rajiv Gandhi Technical University, Bhopal, M.P.)

  
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KHANDWA ROAD, INDORE

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE





### Candidate's Declaration

We hereby declare that work which is being presented in the thesis entitled "**Engine modification in BAJA Vehicle**" submitted by **Abdul Latif Multani, Ameen Mansuri, Digvijay Panchal and Gourav Pal** is approved for the partial fulfilment of degree of **Bachelor of Engineering in Mechanical Engineering.**

Date :-

Place:- Indore

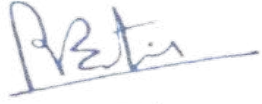
Abdul Latif Multani (0822ME201001)

Aniket Chouhan (0822ME201005)

Ravi Yadav (0822ME201029)

Suraj Sharma (0822ME201038)

  
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KHANDWA ROAD, INDORE

  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

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Name of the Students:

Abdul Latif Multani (0822ME201001)

Aniket Chouhan (0822ME201005)

Ravi Yadav (0822ME201029)

Suraj Sharma (0822ME201038)

  
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KHANDWA ROAD, INDORE

**Swami Vivekanand College of Engineering**  
 Department of Electrical and Electronics Engineering  
 B.Tech. Semester-VI, Minor Project, Allocation List Jan-June 2023

S. No.	Group No.	Enrollment Name	Name of students	Project Title	Guided by	Place
1	G1	0822EX201001	AAYUSH SONI	Vertical Axis Wind Turbine	Mr. Hemendra Khedekar, Ms. Manisha Gaur	SVCE Indore
2		0822EX201002	ABHAY AMBORE			SVCE Indore
3		09822EX201007	Jay Singh Rajput			SVCE Indore
4	G2	0822EX201003	AKHILESH MALANKAR	Clap Switch	Mr. Hemendra Khedekar	SVCE Indore
5		0822EX201012	SHRIRAM Malviya			SVCE Indore
6		0822EX201013	Shubham Malakar			SVCE Indore
7		0822EX201014	SIDDHANT			SVCE Indore
8	G3	0822EX201005	AMIT PATEL	Counting Machine	Mr. Hemendra Khedekar	SVCE Indore
9		0822EX201011	SAMARTH BANSAL			SVCE Indore
10		0822EX201008	RAHUL Sawner			SVCE Indore
11		0822EX201015	VIJAY SISODIYA			SVCE Indore
12	G4	0822EX213D06	ROHIT KAPOOR	Model Of Thermal Power Plant	Mr. Hemendra Khedekar	SVCE Indore
13		0822EX213D04	HIMANSHU GUPTA			SVCE Indore
14		0822EX213D10	UDAY TOMAR			SVCE Indore
15		0822EX213D08	Shivam Kumawat			SVCE Indore
16	G5	0822EX201009	RAHUL NEMADE	SECURITY ALARM	Mr. Hemendra Khedekar	SVCE Indore
17		0822EX213D03	DHARMENDRA SOLANKI			SVCE Indore
18		0822EX201010	RAMAN CHOUDHARY			SVCE Indore

  
**HOD**

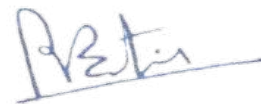
**EX Department**

**Head**

Department of Electrical & Electronics Engineering  
 Swami Vivekanand College of Engineering, Indore



**IQAC COORDINATOR**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORF**



**PRINCIPAL**  
**SWAMI VIVEKANAND**  
**COLLEGE OF ENGINEERING**  
**KHANDWA ROAD, INDORF**

# “Vertical Axis Wind Turbine”



A

Minor Project

Submitted to the

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Bhopal (M. P.)

In partial fulfillment of the requirement for the degree of

*Bachelor of Technology*

*In*

*Electrical & Electronics Engineering*

*Guided by*

Prof. Hemendra Khedekar

Prof. Manisha Gaur

*Submitted by*

Aayush Soni (0822EX201001)

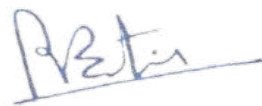
Abhay Ambore(0822EX201002)

Jay Singh Rajput (0822EX201007)

Department of Electrical & Electronics Engineering

Swami Vivekanand College of Engineering, Indore (M.P.), India

IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

Swami Vivekanand College of Engineering, Indore (M.P.), India

Department of Electrical & Electronics Engineering



Jan – June 2023

## Recommendation


This is to certify that Minor Project entitled “Vertical Axis Wind Turbine” submitted by Aayush Soni (0822EX201001), Abhay Ambore (0822EX201002), Jay Singh Rajput (082EX201007) has been carried out under my guidance and supervision. The Minor Project is approved for submission towards partial fulfillment for the award of the degree of **Bachelor of Technology** in **Electrical & Electronics Engineering**.

It is further certified that this work has not been submitted for the award of any other degree or diploma.

Dr. Pradeep Patil  
Principal  
SVCE, Indore

Forwarded by

Prof. Hemendra Khedekar  
Head, Department of EX  
SVCE, Indore

  
IQAC COORDINATOR  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

  
PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

**“Project Name”**  
**CLAP SWITCH**



**A**

**Minor Project**

**Submitted to the**

**Rajiv Gandhi Pradyogiki Vishwavidyalaya**

**Bhopal (M. P.)**

**In partial fulfillment of the requirement for the degree of**

*Bachelor of Technology*

*In*

*Electrical & Electronics Engineering*

*Guided by*

*Submitted by*

Prof.Mr.Hemendra Khedekar


Akhilesh Malakar (0822EX201003)

Shriram Malviya (0822EX201012)

Shubham Malakar (0822EX201013)

Siddhant Verma (0822EX201014)

  
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KHANDWA ROAD, INDOR

Department of Electrical & Electronics Engineering  
Swami Vivekanand College of Engineering, Indore (M.P.), India

Swami Vivekanand College of Engineering, Indore (M.P.), India

Department of Electrical & Electronics Engineering



Jan – June 2023

## Recommendation


This is to certify that Minor Project entitled "CLAP SWITCH" submitted by Akhilesh Malakar (0822 EX201003) , Shriram Malviya (0822EX201012) , Shubham Malakar (0822EX201013) , Siddhant Verma (0822EX201014) has been carried out under my guidance and supervision. The Minor Project is approved for submission towards partial fulfillment for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.

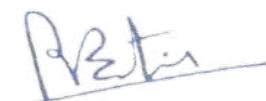
It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Dr. Pradeep Patil**  
Principal  
SVCE, Indore

Forwarded by 

**Prof. Hemendra Khedekar**  
Head, Department of EX  
SVCE, Indore

  
IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# “Counting Machine”



A

Minor Project

Submitted to the

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Bhopal (M. P.)

In partial fulfillment of the requirement for the degree of

*Bachelor of Technology*

*In*

*Electrical & Electronics Engineering*

*Guided by*

Prof.(Hemendra Khedekar)

*Submitted by*

Amit Patel (0822EX201005)

Samarth Bansal (0822EX201011)

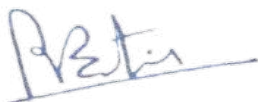
Rahul Sawner (0822EX201008)

Vijay Sisodiya (0822EX201015)

Department of Electrical & Electronics Engineering

Swami Vivekanand College of Engineering, Indore (M.P.), India

IQAC COORDINATOR  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

  
PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE



Swami Vivekanand College of Engineering, Indore (M.P.), India

Department of Electrical & Electronics Engineering



Jan – June 2023

## Recommendation

This is to certify that Minor Project entitled “Counting Machine” submitted by Amit Patel(0822EX201005), Samarth Bansal(0822EX201011), Rahul Sawner(0822EX201008), Vijay Sisodiya (0822EX201015) has been carried out under my guidance and supervision. The Minor Project is approved for submission towards partial fulfillment for the award of the degree of Bachelor of Technology in Electrical & Electronics Engineering.

It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Dr. Pradeep Patil**

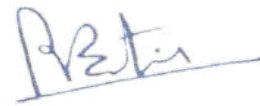
Principal  
SVCE, Indore

Forwarded by 

**Prof. Hemendra Khedekar**

Head, Department of EX  
SVCE, Indore

  
IQAC COORDINATOR  
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KHANDWA ROAD, INDORE

  
PRINCIPAL  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# “MODEL OF THERMAL POWER PLANT”



A

Minor Project

Submitted to the

Rajiv Gandhi Proudyogiki Vishwavidyalaya

Bhopal (M. P.)

In partial fulfillment of the requirement for the degree of

*Bachelor of Technology*

In

*Electrical & Electronics Engineering*

*Guided by*

Prof.(Hemendra khedekar)

*Submitted by*

Rohit Kapoor (0822EX213D06)  
Himanshu Gupta (0822EX213D04)  
Uday Tomar (0822EX213D10)  
Shivam Kumrawat (0822EX213D08)

Department of Electrical & Electronics Engineering  
Swami Vivekanand College of Engineering, Indore (M.P.), India

Swami Vivekanand College of Engineering, Indore (M.P.), India

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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORF

# Department of Electrical & Electronics Engineering




Jan – June 2023

## Recommendation


This is to certify that Minor Project entitled “**Model Of thermal power plant**” submitted by **Rohit Kapoor** (0822EX213D06) has been carried out under my guidance and supervision. The Minor Project is approved for submission towards partial fulfillment for the award of the degree of **Bachelor of Technology in Electrical & Electronics Engineering**.

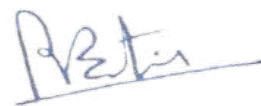
It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Dr. Pradeep Patil**  
Principal  
SVCE, Indore

Forwarded by 

**Prof. Hemendra Khedekar**  
Head, Department of EX  
SVCE, Indore

  
IQAC COORDINATOR  
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PRINCIPAL  
SWAMI VIVEKANAND  
COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

# “SECURITY ALARM”



A

Minor Project

Submitted to the

Rajiv Gandhi Proudhyogiki Vishwavidyalaya

Bhopal (M.P.)

In partial fulfillment of the requirement for the degree of  
**Bachelor of Technology**

**In Electrical & Electronics Engineering**

*Guided by*

Prof. Hemendra Khedekar

*Submitted by*


RAHUL NEMADE(0822EX201009)

DHARMENDRA SOLANKI(0822EX213D03)

RAMAN CHOUDHARY(0822EX201010)

**Department of Electrical & Electronics Engineering**

**Swami Vivekanand College of Engineering, Indore(M.P.), India**

  
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COLLEGE OF ENGINEERING  
KHANDWA ROAD, INDORE

**Swami Vivekanand College of Engineering, Indore (M.P.), India  
Department of Electrical & Electronics Engineering**




**Jan – June 2023**


**Recommendation**

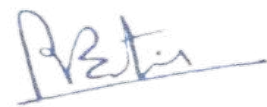
This is to certify that Minor Project entitled “**Motion Detector Security Alarm**” submitted by **Dharmendra Solanki (0822EX213D003)** has been carried out under my guidance and supervision. The Minor Project is approved for submission towards partial fulfillment for the award of the degree of **Bachelor of Technology in Electrical & Electronics Engineering**. It is further certified that this work has not been submitted for the award of any other degree or diploma.

**Dr. Pradeep Patil**  
Principal  
SVCE, Indore

**Forwarded by** 

**Prof. Hemendra Khedekar**  
Head, Department of EX  
SVCE, Indore

  
IQAC COORDINATOR  
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