Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited

1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

List and Certificates of Students Undertaking Mega Project in 2022-23

Certified Documents from Page Number 2 to Page Number 79

NITIN KRISHNARAO CHOUDHARI

Digitally signed by NITIN KRISHNARAO CHOUDHARI
Date: 2023.10.07 13:47:53 +05'30'

Lokmanya Tilak Jankalyan Shikshan Sanstha's
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1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

List of Students Undertaking Mega Project in 2022-23

Sr.No	Program Name	Program Code	Name of Student
1	Computer Science & Engineering	CSE	Hrushi Vikas Karlekar
2	Computer Science & Engineering	CSE	Pranit Rambhau Yeole
3	Computer Science & Engineering	CSE	Aditya Pushpraj Likhar
4	Computer Science & Engineering	CSE	Himanshu Rajesh Rangari
5	Computer Science & Engineering	CSE	Pooja Dilip Taklikar
6	Computer Science & Engineering	CSE	Pranjali Sudhir Bawankar
7	Computer Science & Engineering	CSE	Lekha Sunil Bhoyar
8	Computer Science & Engineering	CSE	Piyush Prakash Navghare
9	Computer Science & Engineering	CSE	Gitesh Narendra Sawarkar
10	Computer Science & Engineering	CSE	Pratik Kapse
11	Computer Science & Engineering	CSE	Raunak Modak
12	Computer Science & Engineering	CSE	Kaustubh Dharmare
13	Computer Science & Engineering	CSE	Sakshi Rajesh Dosani
14	Computer Science & Engineering	CSE	Shreya Suryabhan Pardhi
15	Computer Science & Engineering	CSE	Anurag Gajendra Jais
16	Computer Science & Engineering	CSE	Deep Suresh Nikode
17	Computer Science & Engineering	CSE	Anjali Vaidya
18	Computer Science & Engineering	CSE	Rashmi Jadhav
19	Computer Science & Engineering	CSE	Aman Punekar
20	Computer Science & Engineering	CSE	Srushti Lokhande
21	Computer Science & Engineering	CSE	Astik Sayare
22	Computer Science & Engineering	CSE	Mithesh Pounikar
23	Computer Science & Engineering	CSE	Ankit Mahale
24	Computer Science & Engineering	CSE	Keshav Lichade
25	Computer Science & Engineering	CSE	Aayush Hatwar
26	Computer Science & Engineering	CSE	Akshata Nikose
27	Computer Science & Engineering	CSE	Khushi Gaharwar
28	Computer Science & Engineering	CSE	Dhananjay Adikane
29	Computer Science & Engineering	CSE	Ishan Zade

30	Computer Science & Engineering	CSE	Nishtha Kalra
31	Computer Science & Engineering	CSE	Taniya Argulewar
32	Computer Science & Engineering	CSE	Gauri Atilkar
33	Computer Science & Engineering	CSE	Ishika Ukey
34	Computer Science & Engineering	CSE	Payal Mankar
35	Computer Science & Engineering	CSE	Gaurav Gawhane
36	Computer Science & Engineering	CSE	Nehal Bakde
37	Computer Science & Engineering	CSE	Aishwarya Sahare
38	Computer Science & Engineering	CSE	Alkesha Barapatre
39	Computer Science & Engineering	CSE	Vaishnavi Desai
40	Computer Science & Engineering	CSE	Vaibhavi Desai
41	Computer Science & Engineering	CSE	Disha Rajeshwar Tangade
42	Computer Science & Engineering	CSE	Vishakha Shende
43	Computer Science & Engineering	CSE	Siddhi Nandkishor Joshi
44	Computer Science & Engineering	CSE	Vinay Vijay Hiwanj
45	Computer Science & Engineering	CSE	Nutan Vasantrao Wasnik
46	Computer Science & Engineering	CSE	Samay Namdeo Chaudhari
47	Computer Science & Engineering	CSE	Rushikesh Ashish Borkar
48	Computer Science & Engineering	CSE	Tejas Ravi Wankhede
49	Computer Science & Engineering	CSE	Shoeb Sheikh
50	Computer Science & Engineering	CSE	Kanchan Santosh Kothar
51	Computer Science & Engineering	CSE	Nikita Pralhad Nagpurkar
52	Computer Science & Engineering	CSE	Shraddha Bhaskar Barsagade
53	Computer Science & Engineering	CSE	Mahima Satish Barde
54	Computer Science & Engineering	CSE	Aman Bajait
55	Computer Science & Engineering	CSE	Sakshi Chaware
56	Computer Science & Engineering	CSE	Gaurav Verma
57	Computer Science & Engineering	CSE	Mitali Wandhare
58	Computer Science & Engineering	CSE	Mohd. Adnan Choudhari
59	Computer Science & Engineering	CSE	Tausif Sheikh
60	Computer Science & Engineering	CSE	Prasad Zade
61	Computer Science & Engineering	CSE	Dhanashree Lokhande
62	Computer Science & Engineering	CSE	Ranu Temre
63	Computer Science & Engineering	CSE	Likhita Wanjri
64	Computer Science & Engineering	CSE	Divyani Mandpati
65	Computer Science & Engineering	CSE	Sidhhant V Asole
66	Computer Science & Engineering	CSE	Sonal Yeskar

67	Computer Science & Engineering	CSE	Gauri Lokhande'
68	Computer Science & Engineering	CSE	Yashsvi Chilankar
69	Computer Science & Engineering	CSE	Mrunali M Urade
70	Computer Science & Engineering	CSE	Mihir Parmar
71	Computer Science & Engineering	CSE	Chaitanya Janbandhu
72	Computer Science & Engineering	CSE	Kajal Mhaiskar
73	Information Technology	IT	Kajal Sonkusare
74	Information Technology	IT	Madhura Bhagat
75	Information Technology	IT	Nidhi B. Bhaisare
76	Information Technology	IT	Riya G. Bansod
77	Information Technology	IT	Vaishnavi Gade
78	Information Technology	IT	Komal Karamore
79	Information Technology	IT	Krutika B. Waghmare
80	Information Technology	IT	Upanshu Bawankar
81	Information Technology	IT	Krutik S. Giradkar
82	Information Technology	IT	Prajwal Motghare
83	Information Technology	IT	Rohan Vaidya
84	Information Technology	IT	Prajwal Bhandakkar
85	Information Technology	IT	Manish Parate
86	Information Technology	IT	Himanshu Jodhe
87	Information Technology	IT	Mahima Chaudhari
88	Information Technology	IT	Shivani Pawade
89	Information Technology	IT	Anshul Gajapure
90	Information Technology	IT	Ankush Vaidya
91	Information Technology	IT	Swati K. Thakur
92	Information Technology	IT	Harsh Dekate
93	Information Technology	IT	Vruttant S. Bhad
94	Information Technology	IT	Krunal K. Gongal
95	Information Technology	IT	Ritesh B. Nagrikar
96	Information Technology	IT	Yash S. Shinde
97	Information Technology	IT	Pranali G. Amnerkar
98	Information Technology	IT	Kalyani R. Bawane
99	Information Technology	IT	Mohini G. Raut
100	Information Technology	IT	Dhanshri R. Bargat
101	Information Technology	IT	Bhumeshwari R. Damahe
102	Information Technology	IT	Vaishnavi Shahu
103	Information Technology	IT	Shrutika V. Ighave

104	Information Technology	IT	Deepanjali Sahu
105	Information Technology	IT	Akanksha R. Gomkar
106	Information Technology	IT	Anuradha S. Aote
107	Information Technology	IT	Anchal B. Kanzode
108	Information Technology	IT	Mrunali S. Jadhav
109	Information Technology	IT	Payal R. Bhanarkar
110	Information Technology	IT	Unnati K. Agbattanwar
111	Information Technology	IT	Anushree Raut
112	Information Technology	IT	Sakshi Chandewar
113	Information Technology	IT	Divyani R. Denge
114	Information Technology	IT	Ruchita P. Yerpude
115	Information Technology	IT	Gauri Dhoble
116	Information Technology	IT	Arpit N. Rehapade
117	Information Technology	IT	Harsh Meshram
118	Information Technology	IT	Udaykumar P. Indorkar
119	Information Technology	IT	Priyanshu Sondawale
120	Information Technology	IT	Rajlaxmi Meshram
121	Information Technology	IT	Ankush Wadode
122	Information Technology	IT	Ayush Khodankar
123	Information Technology	IT	Ayush Wandhare
124	Information Technology	IT	Jaykumar M. Zade
125	Information Technology	IT	Harshad Bagde
126	Information Technology	IT	Brajesh Dayare
127	Information Technology	IT	Ayush S. Khadgi
128	Information Technology	IT	Harsh U. Watkar
129	Information Technology	IT	Dipak G. Choudhary
130	Information Technology	IT	Tanaya S. Dhande
131	Information Technology	IT	Purva Bodkhe
132	Information Technology	IT	Akansha A. Indurkar
133	Information Technology	IT	Isha S. Sontakke
134	Information Technology	IT	Shraddha R. Jambhulkar
135	Information Technology	IT	Ajay Binekar
136	Information Technology	IT	Rajat M. Thakre
137	Information Technology	IT	Rohit Lokhande
138	Information Technology	IT	Lalit K. Gaikwad
139	Information Technology	IT	Mangesh D. Bute
140	Electronics & Communication Engineering	ECE	Tanushree S. Dhabekar

141	Electronics & Communication Engineering	ECE	Shivani A. Pandiya
142	Electronics & Communication Engineering	ECE	Shweta S. Rahulkar
143	Electronics & Communication Engineering	ECE	Abhishek J. Narad
144	Electronics & Communication Engineering	ECE	Kanak D. Wase
145	Electronics & Communication Engineering	ECE	Sai Ponnamanda
146	Electronics & Communication Engineering	ECE	Gaurav Deshbhratar
147	Electronics & Communication Engineering	ECE	Aashay Gajbhiye
148	Electronics & Communication Engineering	ECE	Shivani Choudhary
149	Electronics & Communication Engineering	ECE	Shivani Harde
150	Mechanical Engineering	ME	Pramod K. Gadpayle
151	Mechanical Engineering	ME	Pavan D. Tidke
152	Mechanical Engineering	ME	Sagar D. Dhobale
153	Mechanical Engineering	ME	Tanmay M. Pande
154	Mechanical Engineering	ME	Abhishek A. Chaure
155	Mechanical Engineering	ME	Abhishek N. Kambalkar
156	Mechanical Engineering	ME	Bhavesh V. Parwe
157	Mechanical Engineering	ME	Harsh A. Meshram
158	Mechanical Engineering	ME	Sanket S. Gomase
159	Mechanical Engineering	ME	Anay D. Satibawane
160	Mechanical Engineering	ME	Bhavesh R. Kadwe
161	Mechanical Engineering	ME	Bhavesh U. Rathod
162	Mechanical Engineering	ME	Shubham Bawankar
163	Mechanical Engineering	ME	Gaurav Y. Chheniya
164	Mechanical Engineering	ME	Datta C. Paytode
165	Mechanical Engineering	ME	Hemant R. Suryawanshi
166	Mechanical Engineering	ME	Himanshu P. Ambule
167	Mechanical Engineering	ME	Sagar K. Thakre
168	Mechanical Engineering	ME	Saurabh P. Lepse
169	Mechanical Engineering	ME	Shubham S. Golange
170	Mechanical Engineering	ME	Animesh A. Meshram
171	Mechanical Engineering	ME	Pappu M. Waghmare
172	Mechanical Engineering	ME	Himanshu R. Jumde
173	Mechanical Engineering	ME	Aniket B. Badwaik
174	Mechanical Engineering	ME	Gaurav A. Bansod
175	Mechanical Engineering	ME	Sagarsingh N. Chandel
176	Mechanical Engineering	ME	Sameer Kadwe
177	Mechanical Engineering	ME	Arpit S. Nandanwar

178	Mechanical Engineering	ME	Kunal D. Thaware
179	Mechanical Engineering	ME	Sachin S. Borkar
180	Mechanical Engineering	ME	Ayush A. Sakhare
181	Mechanical Engineering	ME	Akhilesh N. Dhanwij
182	Mechanical Engineering	ME	Prakash V. Naidu
183	Mechanical Engineering	ME	Pranay R. Moon
184	Mechanical Engineering	ME	Prajwal A. Ladekar
185	Mechanical Engineering	ME	Nihal P. Pise
186	Mechanical Engineering	ME	Nihal V. Kukde
187	Mechanical Engineering	ME	Gaurav M. Bhoyar
188	Mechanical Engineering	ME	Snehil S. Dhanorkar
189	Mechanical Engineering	ME	Rubel R. Pakalwar
190	Mechanical Engineering	ME	Swapnil S. Meshram
191	Mechanical Engineering	ME	Vedant P. Chore
192	Mechanical Engineering	ME	Vrushabh N. Mohurle
193	Mechanical Engineering	ME	Yogesh S. Kukde
194	Mechanical Engineering	ME	Ankit Pantawane
195	Civil Engineeering	CVE	Sachin Mohoriya
196	Civil Engineeering	CVE	Sanket Khajuriya
197	Civil Engineeering	CVE	Shivam Lonare
198	Civil Engineeering	CVE	Umesh Akare
199	Civil Engineeering	CVE	Diksha Bokde
200	Civil Engineeering	CVE	Tanaya Nikhare
201	Civil Engineeering	CVE	Virashri Kanhekar
202	Civil Engineeering	CVE	Vaishnavi Senganwar
203	Civil Engineeering	CVE	Nipun Sonwani
204	Civil Engineeering	CVE	Paritosh Baraskar
205	Civil Engineeering	CVE	Yash Pampanwar
206	Civil Engineeering	CVE	Vikrant Thetmale
207	Civil Engineeering	CVE	Mohit Bhoyar
208	Civil Engineeering	CVE	Sejal Longadge
209	Civil Engineeering	CVE	Nikita Bhoyar
210	Civil Engineeering	CVE	Ayush Namewar
211	Civil Engineeering	CVE	Mohd. Rehan Barde
212	Civil Engineeering	CVE	Ritik Dhuve
213	Civil Engineeering	CVE	Sumegh Gaikwad
214	Civil Engineeering	CVE	Swapnil Bisne

215	Civil Engineeering	CVE	Trushna Gabhane
216	Civil Engineeering	CVE	Rinkal Dambhare
217	Civil Engineeering	CVE	Shruti Hadke
218	Civil Engineeering	CVE	Krutik Meshram
219	Civil Engineeering	CVE	Hema Bhujade
220	Civil Engineeering	CVE	Aachal Lekurwale
221	Civil Engineeering	CVE	Sanjana Meshram
222	Civil Engineeering	CVE	Unnati Ghatame
223	Civil Engineeering	CVE	Dnyaneshwari Gurnule
224	Civil Engineeering	CVE	Pranjali Ganorkar
225	Civil Engineeering	CVE	Shreyash Dhage
226	Civil Engineeering	CVE	Shubham Dongardive
227	Civil Engineeering	CVE	Pradyumn Kamane
228	Civil Engineeering	CVE	Praful Tulshikar
229	Civil Engineeering	CVE	Sudhanshu Dhoble
230	Civil Engineeering	CVE	Gunjan Dhoble
231	Civil Engineeering	CVE	Jyoti Sakhare
232	Civil Engineeering	CVE	Tauheed Khan
233	Civil Engineeering	CVE	Aloknath Raut
234	Civil Engineeering	CVE	Satish Bhamhankar
235	Civil Engineeering	CVE	Ashish Khapre
236	Civil Engineeering	CVE	Rahul Gaikwad
237	Civil Engineeering	CVE	Vikesh Buddhe
238	Civil Engineeering	CVE	Aadesh Thakre
239	Civil Engineeering	CVE	Lokesh Zade
240	Civil Engineeering	CVE	Rohan Bagde
241	Civil Engineeering	CVE	Harsh Ghube
242	Civil Engineeering	CVE	Vicky Tembhare
243	Civil Engineeering	CVE	Bhupendra Bawanthade
244	Civil Engineeering	CVE	Arif Ansari
245	Civil Engineeering	CVE	Ankush Wankhede
246	Civil Engineeering	CVE	Sarthak Kadu
247	Civil Engineeering	CVE	Rahul Kuthe
248	Civil Engineeering	CVE	Nilesh Chappalwad
249	Civil Engineeering	CVE	Nikunj Janbandhu
250	Civil Engineeering	CVE	Krutika Punwatkar
251	Civil Engineeering	CVE	Gunjan Kuttarmare

252	Civil Engineeering	CVE	Trupti Rangari
253	Civil Engineeering	CVE	Ashish Wankhede
254	Civil Engineeering	CVE	Darshan Ghatole
255	Civil Engineeering	CVE	Yash Dalvi
256	Civil Engineeering	CVE	Khushbu Sharnagat
257	Civil Engineeering	CVE	Prerna Kamble
258	Civil Engineeering	CVE	Sarth Ashtankar
259	Civil Engineeering	CVE	Prajwal Wankhede

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Department of Computer Science and Engineering

Academic Session 2022-23(EVEN SEMESTER)

B.E. VIII SEMESTER CSE

Group No	Roll No.	Name of Students	Name of Guide	Project Title
4	154	Hrushi Vikas Karlekar (TL)	MR K N HANDE	NLP based video Summerisation usingMachine Learning
	163	Pranit Rambhau Yeole		
	142	Aditya Pushpraj Likhar		
	153	Himanshu Rajesh Rangari		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
9	125	Pooja Dilip Taklikar (TL)	MR K N HANDE	Design & Development ofAutomatic Detection System for MotorCyclists without Helmet using ML
	126	Pranjali Sudhir Bawankar		
	115	Lekha Sunil Bhoyar		
	162	Piyush Prakash Navghare		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
13	152	Gitesh Narendra Sawarkar (TL)	MR K N HANDE	Secure and TransparentCrowd-funding platformusing Blockchain
	165	Pratik Kapse		
	166	Raunak Modak		
	156	Kaustubh Dharmare		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
	129	Sakshi Rajesh Dosani	MS A A NIKOSE	Decentralized Social Mediaplatform using node.js
1	132	Shreya Suryabhan Pardhi		
	146	Anurag Gajendra Jais		
	148	Deep Suresh Nikode		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
	104	Anjali Vaidya(TL)	MS A A NIKOSE	"Cryptofit"-Web 3.0 Decentralized App for Tracking Real-Time Dataand Performance of Cryptocurrencies in Market
5	128	Rashmi Jadhav		
	144	Aman Punekar		
	135	Srushti Lokhande		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
	147	Astik Sayare(TL)	MS A A NIKOSE	Automatic Image Captiongenerator
14	159	Mithesh Pounikar		
	145	Ankit Mahale		
	157	Keshav Lichade		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
	141	Aayush Hatwar (TL)	MS A A NIKOSE	Cafeteria Food OrderingSystem using QR Code
16	102	Akshata Nikose		
	114	Khushi Gaharwar		
	149	Dhananjay Adikane		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
2	160	mohd Adnan Chodhary (TL)	MR D B KHADSE	IOT based Farm Irrigationand Fertilizer Recommendation System
	169	Taufim Sheikh		
	164	Prasad Zade		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
11	155	Ishan Zade (TL)	MR D B KHADSE	Fake Product Detectionusing Block-chain Technology
	121	Nishtha Kalra		
	136	Taniya Argulewar		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
15	109	Gauri Atilkar (TL)	MR D B KHADSE	Age, Gender and EmotionDetection by using Deep Learning
	111	Ishika Ukey		
	124	Payal Mankar		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
19	150	Gaurav Gawhane (TL)	MR D B KHADSE	Block-chain based Decentralized E-VotingSystem
	161	Nehal Bakde		
	101	Aishwarya Sahare		
	103	Alkesha Barapatre		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
3	106	Dhanashree Lokhande (TL)	MS S S WANKHEDE	Human Activity Recognitionusing Android Studio Smartphone
	127	Ranu Temre		
	116	Likhita Wanjari		
	108	Divyani Mandpati		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
6	171	Siddhant Vijay Asole (TL)	MS S S WANKHEDE	Story Hub
	134	Sonal Namdeo Yeskar		
	110	Gauri Rajan Lokhande		
	140	Yashsvi Raju Chilankar		
	119	Mrunali Manoj Urade		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
8	138	Vaishnavi Desai(TL)	MS S S WANKHEDE	IPL win Probability Predictor
	137	Vaibhavi Desai		
	107	Disha Rajeshwar Tangade		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
12	139	Vishakha Shende(TL)	MS S S WANKHEDE	Skin Cancer Prediction usingDeep Learning
	133	Siddhi Nandkishor Joshi		
	173	Vinay Vijay Hiwanj		
	122	Nutan Vasantrao Wasnik		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
7	168	Samay Namdeo Chaudhari (TL)	MR D V JAMTHE	Money laundering Detection
	167	Rushikesh Ashish Borkar		
	172	Tejas Ravi Wankhede		
	170	Shoeb Sheikh		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
10	113	Kanchan Santosh Kothar	MR D V JAMTHE	Intelligent Office Assistantusing Machine Learning
	120	Nikita Pralhad Nagpurkar		
	131	Shraddha Bhaskar Barsagade		
	117	Mahima Satish Barde		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
17	158	Mihir Parmar (TL)	MR D V JAMTHE	Web Application on GamingProducts
	105	Chaitanya Janabandhu		
	112	Kajal Mhaiskar		

Group No	Roll No.	Name of Students	Name of Guide	Project Title
18	143	Aman Bajait (TL)	MR D V JAMTHE	Property CRM in Web andAndroid
	130	Sakshi Chaware		
	151	Gaurav Verma		
	118	Mitali Wandhare		

Mr. D. V. Jamthe
B.E. VIII Semester Project Incharge

Mr. K. N. Hande
HoD, CSE Department
Head of Department
Department of Computer Sc. & Engg.
Priyadarshini Bhagwati College of Engg.
Umred Road,Nagpur - 24.

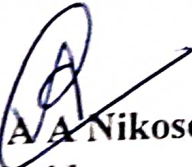# Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

Certificate

This is to certify that the Mega Project report entitled *"Design and Development of Automatic Detection System for Motorcyclists without Helmet using Machine Learning* is a bonafied work done by *Pooja Taklikar, Pranjali Bawankar, Lekha Bhoyar, Piyush Navghare* Under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr. K. N. Hande

HOD & Project Guide

Dr. N. K. Choudhari

Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-23

Certificate

This is to certify that the project report entitled *"Secure and transparent crowdfunding platform using Blockchain "* is a bonafied work done under our guidance to   *Gitesh Sawarkar, Pratik Kapse, Kaustubh Dharmare, Raunak Modak* and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**   in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in Computer Science & Engineering.

Mr. K.N.Hande
H. O. D. & Guide

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

Certificate

This is to certify that the project report entitled "**Intelligent Office Assistant using Machine Learning** " is a bonafied work done under our guidance to Kanchan Kothar , Nikita Nagpurkar, Shraddha Barsagade , Mahima Barde is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr.D.V.Jamthe
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023
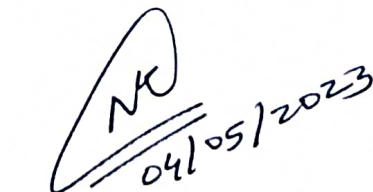
<u>Certificate</u>

This is to certify that the project report entitled **"FAKE PRODUCT DETECTION USING BLOCKCHAIN TECHNOLOGY"** is a bonafied work done under our guidance to Ishan Zade, Taniya Argulewar, Nishtha Kalra is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr.D.B.Khadse

Guide

Mr. K. N. Hande

H. O. D.

Dr. N. K. Choudhari

Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-23

<u>Certificate</u>

This is to certify that the mini Project report entitled **"Skin Cancer Prediction using Deep Learning"** is a bonafied work done under our guidance to, *Siddhi Joshi, Vishakha Shende, Vinay Hiwanj, Nutan Wasnik* and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Ms. S. S. Wankhede
Project Guide

Mr. K.N.Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled **"CAFETERIA Food Ordering System using QR Code"** is a bonafied work done under our guidance to Aayush Hatwar, Akshata Nikose, Dhananjay Adikane, Khushi Gaharwar is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Ms. A. A Nikose
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022 - 2023

Certificate

This is to certify that the project report entitled " **Automatic Image Caption Generator** "

is a bonafide work done under our guidance to **Astik Sayare, Keshav Lichade, Ankit Mahale,**

Mitesh Paunikar is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur**

in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in

Computer Science & Engineering.

Ms. A.A.Nikose
Guide

Dr. N. K. Choudhari
Principal

Mr. K.N.Hande
H.O.D.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the Mini Project report entitled "*Age, Gender and Emotion Detection By Using Deep Learning*" is a bonafied work done by *Gauri Atilkar, Ishika Ukey, Payal Mankar* Under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr. D. B. Khadse

Project Guide

Mr. K. N. Hande

Head Of Department

Dr. N. K. Choudhari

Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the seminar report entitled "WEB APP FOR TRACKING REAL-TIME PERFORMANCE OF CRYPTOCURRENCIES" is a bonafied work done under our guidance to **Anjali Vaidya, Srushti Lokhande, Aman Punekar, Rashmi Jadhav** and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Prof. A. A. Nikose
Project Guide

Mr. K.N.Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled "**Blockchain Based Decentralized E-Voting System**" is a bonafied work done under our guidance to Gaurav D. Gawhane, Nehal V. Bakde, Aishwarya S. Sahare, Alkesha R. Barapatre is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr. D. B. Khadse
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled **"Cricket Match Prediction using Machine Learning"** is a bonafied work done under our guidance to Vaishnavi Desai, Vaibhavi Desai, Disha Tangade is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Ms. S. S. Wankhede
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled **"SOCIAL MEDIA APPLICATION USING MERN STACK"** is a bonafied work done under our guidance to **Sakshi Dosani, Anurag Jais, Deep Nikode, Shreya Pardhi** and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Prof. A. A. Nikose
Project Guide

Prof. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering
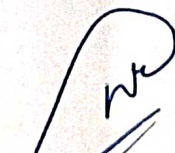
Session: 2022-23

Certificate

This is to certify that the project report entitled "MONEY LAUNDERING DETECTION USING MACHINE LEARNING" is a bonafied work done under our guidance to Samay Chaudhari, Rushikesh Borkar, Tejas Wankhede and Shoeb Sheikh is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr. D.V. Jamthe
Project Guide

Mr.K.N.Hande
H.O.D

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering
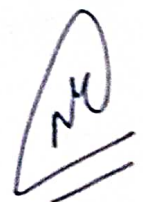
Session: 2022-2023

Certificate

This is to certify that the project report entitled "NLP BASED VIDEO SUMMARISATION USING MACHINE LEARNING" is a bonafied work done under our guidance to Hrushi Karlekar, Pranit Yeole, Aditya Likhar, Himanshu Rangari is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr. Kapil N. Hande
Guide & HOD

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur
Department of Computer Science & Engineering
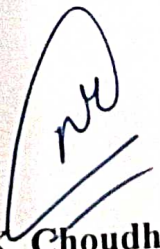## Session: 2022-2023

Certificate

This is to certify that the project report entitled **"PROPERTY CRM IN ANDROID "** is a bonafied work done under our guidance to **Aman Bajait, Sakshi Chaware, Mitali Wandhare, Gaurav Varma** is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in Computer Science & Engineering.

Prof. D V. Jamthe

Guide

Prof. K. N. Hande

H. O. D.

Dr. N. K. Choudhari

Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled "*Story Hub Using Natural Language Processing for Hearing Impaired Children*" is a bonafied work done under our guidance Yashasvi Chilankar , Sonal Yeskar , Gauri Lokhande , Mrunali Urade , Siddhant Asole is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Ms. S.S. Wankhede
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

Certificate

This is to certify that the project report entitled "**IOT BASED FARM IRRIGATION & FERTILIZER RECOMMENDATION SYSTEM**" is a bonafied work done under our guidance to Adnan Choudhary, Taufim Sheikh, Prasad Zade, is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering in Computer Science & Engineering** .

Mr. D B Khadse
Guide

Mr. K.N Hande
H. O. D.

Dr. N.K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

Certificate

This is to certify that the project report entitled "**Web Application on gaming Products**" is a bonafied work done under our guidance to Mihir Parmar, Kajal Mhaiskar, Chaitanya Janbandhu is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Mr.D.V.Jamthe
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Computer Science & Engineering

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled "**HUMAN ACTIVITY RECOGNITION USING ANDROID STUDIO SMARTPHONE**" is a bonafied work done under our guidance to **Dhanashree Lokhande, Ranu Temre, Likhita Wanjari, Divyani Mandpati** is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Computer Science & Engineering.**

Ms. S. S. Wankhede
Guide

Mr. K. N. Hande
H. O. D.

Dr. N. K. Choudhari
Principal

Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited
Department of Information Technology
Academic session 2022-23(Even semester)
VIII sem IT
Project Seminar

Sr. No.	Group	Student Name	4|2|23	4|5|23	13.23	15|04|23	Guide Name	Project Title
1	Group1	Nidhi Bhaisare	P	A	P	P	Dr Mrs R A Pimple	Online Transcript Text Summarizer
2		Riya Bansod	P	P	P	P		
3		Madhura Bhagat	P	A	P	P		
4		Vaishnavi Gade	P	P	A	P		
5		Kajal Sonkusare	P	P	P	P		
6	Group2	Komal Karemore	P	P	P	P	Dr M S Chaudhari	Wondersure Insurance System
7		Krutik Giradkar	P	P	P	P		
8		Krutika Waghmare	P	A	P	P		
9		Upanshu Bawankar	P	P	P	P		
10	Group3	Prajwal Mothghare	A	P	P	P	Mr Y B Malode	Social Media Platform for Coding Community
11		Rohan Vaidya	P	A	P	P		
12		Prajwal Bhandakkar	P	P	A	P		
13		Himanshu Jodhe	A	P	P	P		
14		Manish Parate	P	P	P	P		
15	Group4	Anshul Gajapure	P	A	P	P	Ms S H Chaflekar	Chatbot For Blind Students
16		Swati Thakur	A	P	A	P		
17		Shiwani Pawade	P	P	P	P		
18		Ankush Vaidya	P	P	P	P		
19		Mahima Chaudhari	P	P	P	P		
20	Group5	Vruttant Bhad	P	P	P	P	Ms R D Shinganjude	Story Telling App for Children using Natural Language Processing
21		Krunal Gongal	P	P	P	P		
22		Harsh Dekate	P	P	P	P		
23		Ritesh Nagrikar	P	P	P	P		
24		Yash Shinde	P	P	P	P		

							Guide	Project
								(NLP)
25	Group6	Pranali Amnerkar	P	P	P	P	Guide: Ms S H Chaflekar Co-Guide: Ms K Ande	An IoT Based Solution for Insect Monitoring in Agriculture Using Raspberry Pi and YOLO
26		Kalyani Bawane	P	P	P	P		
27		Mohini Raut	P	P	P	P		
28		Dhanshri Bargat	P	P	P	P		
29	Group7	Shrutika Ighave	P	P	P	P	Guide: Ms R D Shinganjude Co-Guide: Ms N Banode	Smart Parking System Using MERN Satck
30		Akanksha Gomkar	P	P	P	P		
31		Vaishnavi Shahu	P	P	A	P		
32		Deepanjali Sahu	A	P	P	P		
33		Anuradha Aote	P	A	P	P		
34	Group8	Mrunali Sudama Jadhav	P	P	A	P	Dr Mrs R A Pimple	Product Recommendation System using Sentimental Analysis
35		Payal Rajesh Bhanarkar	P	P	P	P		
36		Unnati kishor Agbattanwar	P	P	P	P		
37		Anchal Baban Kanzode	P	P	P	P		
38	Group9	Gauri Dhoble	P	P	A	P	Dr. M. S. Chaudhari	Safety Helmet For Mining Workers.
39		Anushree Raut	A	P	P	P		
40		Ruchita Yerpude	P	P	P	P		
41		Sakshi Chandewar	P	P	P	P		
42		Divyani Denge	P	P	P	P		
43	Group 10	Arpit Rehapade	P	P	P	P	Mr Y B Malode	CodeX AI Assistant
45		Harsh Meshram	P	P	P	P		
46		Priyanshu Sondawale	A	P	P	P		
47		Udaykumar Indorkar	P	P	A	P		
48	Group 11	Ayush Khodankar	P	P	P	P	Ms. S. H. Chaflekar	Study Stream Java Spring Boot Based E Learning Web Application
49		Ayush Wandhare	P	P	P	P		
50		Ankush Wadode	P	P	P	P		
51		Jaykumar Zade	P	P	A	P		
52		Rajlaxmi Meshram	P	P	P	P		

53	Group 12	Ayush Khadgi	P	P	P	P	Ms. R. D. Shinganjude	Fake News Detection
54		Harshad Bagde	P	P	P	P		
55		Harsh Watkar	P	P	P	P		
56		Deepak Chaudhari	P	P	P	P		
57		Brajesh Dayare	P	P	P	P		
58	Group 13	Akansha Indurkar	A	P	P	P	Guide: Dr M S Chaudhari Co-Guide: Ms K A Ande	Intelligent Investing: Machine Learning For Stock Forecasting.
59		Isha Sontakke	P	P	P	P		
60		Purva Bodkhe	P	P	P	P		
61		Shraddha Jambhulkar	P	P	P	P		
62		Tanaya Dhande	P	P	A	P		
63	Group 14	Ajay Binekar	P	P	P	P	Ms. N. Banode	Smart Crop And Fertilizer Recommendation System
65		Lalit Gaikwad	A	P	P	P		
66		Mangesh Bute	P	P	P	P		
67		Rajat Thakare	P	P	P	P		
68		Rohit Wankhede	A	P	A	P		

Dr. M S Chaudhari
Head Head
Information Technology Department
iyadarshini Bhagwati College of Engineering
Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology
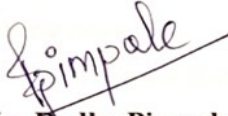
Session: 2022-2023

Certificate

This is to certify that the project seminar report entitled *Online Transcript Summarizer Using Python* is a bonafied work done under our guidance to Madhura Bhagat, Riya Bansod , Kajal Sonkusare, Nidhi Bhaisare and Vaishnavi Gade is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Technology** in **Information Technology.**

Dr. Mrs Radha Pimpale
(Project Guide)

Dr. M. S. Chaudhari
(Head of Department)
Head
Information Technology Department
Priyadarshini Bhagwati College of Engineering
Umred Road, Nagpur.

Dr. N. K. Choudhari
(Principal)
Priyadarshini Bhagwati College of Engg.
Umred Road, Nagpur.

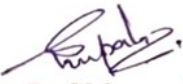# Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled *"WonderSure Insurance System"* is a bonafide work done by **Komal Karamore, Krutika Waghmare, Krutik Giradkar, & Upanshu Bawankar,** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur** in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Dr. M. S. Chaudhari
Head of Department
& Project Guide
Information Technology Department
Priyadarshini Bhagwati College of Engineering
Umred Road. Nagpur.

Dr. N. K. Choudhari
Principal
Priyadarshini Bhagwati College of Eng
Umred Road. Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur
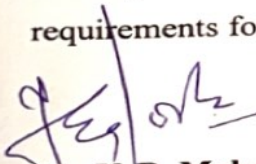
Department of Information Technology

Session: 2022-23

<u>Certificate</u>

This is to certify that the Project report entitled "**Social Platform for Coding Community**" is a bonafide work done under our guidance to **Prajwal Motghare, Rohan Vaidya, Prajwal Bhandakkar, Manish Parate, Himanshi Jodhe** and is submitted to **Rashtrasant Tukdoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Mr. Y. B. Malode
Project Guide

Dr. M. S. Chaudhari
Head
Information Technology Dep
Priyadarshini Bhagwati College of
Umred Road, Nagpur.

Dr. N. K. Choudhari
Principal
Principal
Priyadarshini Bhagwati College of Engg.
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Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session:2022-2023

Certificate

This is to certify that the project report entitled *"Chatbot For Blind Student"* is a bonafide work done by **Mahima chaudhari, Shivani Pawade, Anshul Gajapure, Ankush Vaidya** and **Swati Thakur** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. S. H. Chaflekar
(Project Guide)

Dr. M. S. Chaudhari
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Head
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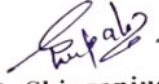# Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session:2022-2023

<u>Certificate</u>

This is to certify that the project report entitled *"Chatbot For Blind Student"* is a bonafide work done by **Mahima chaudhari, Shivani Pawade, Anshul Gajapure, Ankush Vaidya** and **Swati Thakur** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. S. H. Chaflekar
(Project Guide)

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Umred Road, Nagpur

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled **Storytelling App for Children Using NaturalLanguage Processing (NLP)** is a bonafide work done by Harsh Dekate, Vruttant Bhad, Krunal Gongal, Ritesh Nagrikar and Yash Shinde, under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. R. D. Shinganjude
(Project Guide)

Dr. M. S. Chaudhari
(Head of Department)

Dr. N. K. Choudhari
(Principal)

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

Certificate

This is to certify that the project report entitled "**An IoT-based Solution for Insect Monitoring in Agriculture using Raspberry Pi and YOLO**" is a bonafied work done by **Pranali Amnerkar, Kalyani Bawane, Mohini Raut, Dhanshri Bargat, Bhumeshwari Damahe,** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. S. H. Chaflekar
(Project guide)

Mrs.Kiran A.Ande
(Project Co-guide)

Dr. M. S. Chaudhari
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Umred Road, Nagpur.

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Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled *"Smart Parking System Using MERN Stack"* is a bonafide work done by **Vaishnavi Shahu, Shrutika Ighave, Deepanjali Sahu, Akanksha Gomkar and Anuradha Aote**, under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology**.

Ms. R. D. Shinganjude
(Project Guide)

Ms. Nupur Banode
(Project Co-Guide)

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Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

Certificate

This is to certify that the project report entitled *"Product Recommendation System Using Sentiment Analysis"* is a bonafied work done by **Anchal Kanzode, Mrunali Jadhav, Payal Bhanarkar, Unnati Agbattanwar** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Technology** in **Information Technology.**

Dr. Mrs. Radha Pimpale

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Dr. M. S. Chaudhari

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Department of Information Technology

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled *"Safety Helmet For Mining Workers"* is a bonafide work done by **Anushree Raut, Sakshi Chandewar, Divyani Denge, Ruchita Yerpude** and **Gauri Dhoble,** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Dr. M. S. Chaudhari
(Head of Department
and Project guide)
Head
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Dr. N. K. Choudhari
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Umred Road, Nagpur.

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Department of Information Technology

Session: 2022-2023

Certificate

This is to certify that the project report entitled *"CodeX AI Assistant"* is a bonafide work done by **Arpit Rehapade, Harsh Meshram, Udaykumar Indorkar** and **Priyanshu Sondawale,** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University,Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Mr. Y. B. Malode
(Project Guide)

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Dr. N. K. Choudhari
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Umred Road, Nagpur.

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Department of Information Technology

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled *"Study Stream – Java Spring Boot Based E-Learning Website"* is a bonafide work done by **Rajlaxmi Meshram, Ankush Wadode, Ayush Khodankar, Ayush Wandhare** and **Jaykumar Zade** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. S. H. Chaflekar
(Project Guide)

Dr. M. S. Chaudhari
(Head of Department)
Head
Information Technology Department
Priyadarshini Bhagwati College of Engineering
Umred Road, Nagpur

Dr. N. K. Choudhari
(Principal)
Principal
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Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

<u>Certificate</u>

This is to certify that the project report entitled *"Fake News Detection Using Data Science Approach"* is a bonafide work done by **Harshad Bagde, Brajesh Dayare, Ayush Khadgi, Harsh Watkar, Dipak choudhary,** under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. R. D. Shinganjude
(Project Guide)

Dr. M. S. Chaudhari
(Head of Department)
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Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology
Session:2022-2023

<u>Certificate</u>

This is to certify that the project report entitled **"INTELLIGENT INVESTING: MACHINE LEARNING FOR STOCK FORECASTING"** is a bonafied work done under our guidance to **Tanaya Dhande , Purva Bodkhe , Akansha Indurkar , Isha Sontakke , Shraddha Jambhulkar** is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Information Technology.**

Dr. M. S. Chaudhari

(Guide)

Ms. Kiran A. Ande

(Co-Guide)

Dr. M. S. Chaudhari
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(Head of Department)
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(Principal)
Priyadarshini Bhagwati College of Engineering
Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Information Technology

Session: 2022-2023

Certificate

This is to certify that the project report entitled *"Smart Crop and Fertilizer Recommendation System"* is a bonafide work done by **Ajay Binekar, Rajat Thakare, Rohit Lokhande, Lalit Gaikwad** and **Mangesh Bute**, under our guidance and is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfilment of the requirements for the Degree of **Bachelor of Engineering** in **Information Technology.**

Ms. N. R. Banode
(Project Guide)

Dr. M. S. Chaudhari
(Head of Department)
Head
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riyadarshini Bhagwati College of Engineering
Umred Road, Nagpur.

Dr. N. K. Choudhari
(Principal)
Principal
Priyadarshini Bhagwati College of E
Umred Road, Nagpur

Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
Email: principalpbcoe@gmail.com, Website: www.pbcoe.edu.in
NAAC Accredited

Department of Electronic & Communication Engineering
ACADEMIC SESSION 2022-23

STUDENTS MAJOR PROJECT DURING 4th YEAR

Sr. No	Name of Student	Name of Project	Name of Guide
1	Tanushree S. Dhabekar	Regulation and Monitoring of Plant Respiration Using IOT and Cloud Computing	Dr. (Ms.) D.M. Kate
2	Shivani A. Pandiya		
3	Shweta S. Rahulkar		
4	Abhishek J. Narad		
5	Kanak D. Wase		
6	Sai Ponnamanda	Fire Fighting Robot	Dr. N.K. Choudhari
7	Gaurav Deshbhratar		
8	Aashay Gajbhiye		
9	Shivani Choudhary		
10	Shivani Harde		

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
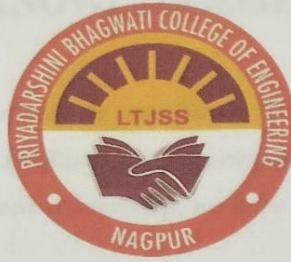
Certificate

This is to certify that the project report entitled

"REGULATION AND MONITORING OF PLANT RESPIRATION USING IOT AND CLOUD COMPUTING"

Being Submitted By....

TANUSHREE S. DHABEKAR   **SHIVANI A. PANDIYA**

SHWETA S. RAHULKAR

ABHISHEK J. NARAD   **KANAK D. WASE**

For the partial fulfillment of the award of
"Bachelor Degree in Electronics & Communication Engineering"
is the record of their own work carried out by them under my guidance and supervision.

Guide

H.O.D.

Principal

Dr.(Ms.) D. M. Kate   Dr.(Ms.) D. M. Kate   Dr. N.K. Choudhari

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING

Certificate

This is to certify that the project report entitled

"Fire Fighting Robot"

Being Submitted By

SAI PONNAMANDA   **GAURAV DESHBHRATAR**
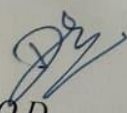
AASHAY GAJBHIYE   **SHIVANI CHOUDHARY**
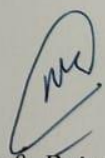
SHIVANI HARDE

For the partial fulfillment of the award of
**"Bachelor Degree in Electronics & Communication
Engineering"**
is the record of their own work carried out by them under my
guidance and supervision.

H.O.D.

Dr.(Ms.) D. M. Kate

Guide & Principal

Dr. N.K. Choudhari

Lokmanya Tilak Jankalyan Shikshan Sanstha's
PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
Harpur Nagar, Umred Road (Near Bada Tajbagh), Nagpur-24
(Approved by AICTE, New Delhi, Govt. of Maharashtra
and affiliated to Rashtrasant Tukdoji Maharaj Nagpur University)
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NAAC Accredited

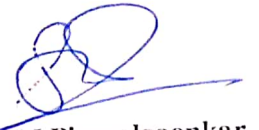## Department of Mechanical Engineering

Academic session 2022-2023

Final Year Project Batches

GROUP NO.	NAME OF STUDENTS	GUIDE NAME	PROJECT TITLE
1	PRAMOD K. GADPAYLE PAVAN D. TIDKE MAYUR G. WAGH SAGAR D. DHOBALE TANMAY M. PANDE	Mr. S.M.Pimpalgaonkar	Dual Power Generation System Using Solar and Wind Energy
2	ABHISHEK A. CHAURE ABHISHEK N. KAMBALKAR BHAVESH V. PARWE HARSH A. MESHRAM SANKET S. GOMASE	Dr. R.K.Pohane	Demonstration of 5 Speed Sliding-Mesh Gear Box
3	ANAY D. SATIBAWANE BHAVESH R. KADWE BHAVESH U. RATHOD SHUBHAM BAWANKAR	Dr. S.P. Daf	Intelligent Control System for Automated Guided Vhicle for Material Handling
4	GAURAV Y. CHHENIYA DATTA C. PAYTODE HEMANT R. SURYAWANSHI HIMANSHU P. AMBULE	Ms. S.P. Gurway	Power Generation from Waste Heat Using Thermoelectric Generator
5	SAGAR K. THAKRE SANKET E. NIMJE SAURABH P. LEPSE SHUBHAM S. BAWANKULE SHUBHAM S. GOLANGE	Mr. S.G. Ghugal	Fabrication of Multifunction Solar Pesticide Sprayer With Crop Cutter
6	ANIMESH A. MESHRAM PAPPU M. WAGHMARE HIMANSHU R. JUMDE ANIKET B. BADWAIK GAURAV A. BANSOD	Dr. S.P. Daf	Design and Fabrication of Automatic Fire Fighting Robot
7	SAGARSINGH N. CHANDEL SAMEER V. KADWE ARPIT S. NANDANWAR KUNAL D. THAWARE SACHIN S. BORKAR	Dr. M.R. Moroliya	Design & Fabrication of Extraction Bio-Diesel from Waste plastic Material
	AYUSH A. SAKHARE AKHILESH N. DHANWIJ PRAKASH V. NAIDU PRANAY R. MOON PRAJWAL A. LADEKAR	Mr. S.M.Pimpalgaonkar/ Dr.K.D.Ganvir	Design & Fabrication of Stair Lift Chair

9	NIHAL P. PISE	Dr. A.D. Anjikar	Design and Fabrication of No Suspension No Differential Vehicle- GO KART
	NIHAL V. KUKDE		
	GAURAV M. BHOYAR		
	SNEHIL S. DHANORKAR		
	RUBEL R. PAKALWAR		
10	SWAPNIL S. MESHRAM	Mr. R.K. Bhoyar	Design and Fabrication of Honeycomb Biomass Briquettes Making Machine
	VEDANT P. CHORE		
	VRUSHABH N. MOHURLE		
	YOGESH S. KUKDE		
	ANKIT PANTAWANE		

Dr. M.R. Moroliya
Final Year Project In-charge

Prof. S.M.Pimpalgaonkar
HOD Mechanical

Head
Mechanical Engg. Deptt.
riyadarshini Bhagwati College of Engg.
Umred Road, Nagpur.

Certificate

This is to certify that the project report entitled

"DUAL POWER GENERATION SYSTEM USING SOLAR AND WIND ENERGY"

Being Submitted By :-

Pavan Tidke

Pramod Gadpayle

Tanmay Pande

Sagar Dhoble

For the partial fulfillment of the award of
"Bachelor Degree in Mechanical Engineering"
is the record of their own work carried out by them under my guidance and supervision.

Mr. S.M. PIMPALGAONKAR   Mr. S.M. PIMPALGAONKAR   Dr. N.K. CHOUDHARI

(Guide)   (H.O.D)   (Principal)

2

Certificate

This is to certify that the project report entitled

"DEMONSTRATION OF 5 SPEED SLIDING-MESH GEAR BOX"

Being Submitted By-

Harsh Meshram

Bhavesh Parwe
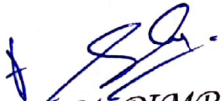
Sanket Gomase

Abhishek Chaure

Abhishek Khambalkar

For the partial fulfillment of the award of
"Bachelor Degree in Mechanical Engineering"
is the record of their own work carried out by them under my-guidance
and supervision.

Dr. R. K. POHANE
Guide

Mr. S.M. PIMPALGAONKAR
H.O.D

Dr. N.K. CHOUDHARI
Principal

2

Certificate

This is to certify that the project report entitled

"Intelligent Control System for Automated Guided Vehicle for Material Handling"

Being Submitted By

ANAY D. SATIBAWANE

BHAVESH R. KADWE

BHAVESH U. RATHOD

SHUBHAM BAWANKAR

For the partial fulfillment of the award of

"Bachelor Degree in Mechanical Engineering"

is the record of their own work carried out by them under my guidance and supervision.

Dr. S. P. Daf
Guide

Mr. S.M. PIMPALGAONKAR
H.O.D

Dr. N. K. CHOUDHARI
Principal

1

Certificate

This is to certify that the project report entitled

"POWER GENERATION FROM WASTE HEAT USING THERMOELECTRIC GENERATOR"

Submitted By

Gaurav chenniya

Datta paytode

Hemant suryawanshi

Himanshu ambule

For the partial fulfillment of the award of
"Bachelor Degree in Mechanical Engineering"
is the record of their own work carried out by them under myguidance and supervision.

Ms.S.P.Gurway

Guide

Mr. S.M. Pimpalgaonkar

H.O.D

Dr. N.K. Choudhari

Principal

ii

Certificate

This is to certify that the project report entitled

"Fabrication of multifunction solar pesticide sprayer with Crop cutter"

Being Submitted By

Shubham Golange

Sagar Thakre

Saurabh Lepse

For the partial fulfillment of the award of

"Bachelor Degree in Mechanical Engineering"

is the record of their own work carried out by them under myguidance and supervision.

Prof. S.G. GHUGAL
Guide

Prof. S.M. PIMPALGAONKAR
H.O.D

Dr. N.K. CHOUDHARI
Principal

2

Certificate

This is to certify that the project report entitled

"**Design and Fabrication of Automatic Fire Fighting Robot**"

Being Submitted By

Animesh Meshram

Himanshu Jumde

Gaurav Bansod

Pappu Waghmare

Aniket Badwaik

For the partial fulfillment of the award of
"*Bachelor Degree in Mechanical Engineering*"
*is the record of their own work carried out by them under my guidance
and supervision.*

Dr. Dr.S.P Daf
Guide

Mr. S.M. PIMPALGAONKAR
H.O.D

Dr. N.K. CHOUDHARI
Principal

2

Certificate

This is to certify that the project report entitled

"Design & Fabrication of Extraction Bio-Diesel from Waste Plastic Material"

Being Submitted By

Sachin Borkar	**Kunal Thaware**
Sagarsingh Chandel	**Arpit Nandanwar**

Sameer Kadwe

For the partial fulfillment of the award of
"Bachelor Degree in Mechanical Engineering"
is the record of their own work carried out by them under my guidance
and supervision.

Dr. M.R. MOROLIYA
Guide

Mr. S.M. PIMPALGAONKAR
H.O.D

Dr. N.K. CHOUDHARI
Principal

2

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

DEPARTMENT OF MECHANICAL ENGINEERING

SESSION 2022 – 2023

CERTIFICATE

This is to certify that the project titled " **DESIGN AND FABRICATION OF STAIR LIFT CHAIR** " is a Bonafide work carried out for the partial fulfillment of the requirementfor the award of Degree of Bachelor of Engineering in **Mechanical Engineering, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.**

Dr. Kanchan Ganvir
&
Prof. S. M. Pimpalgaonkar
(Project Guide)

Prof. S.M.Pimpalgaonkar
Head of Department

Dr. N.K.Choudhari
Principal

External Examiner

Mr/Mrs/Ms/Dr._____

Designation: _____

Institution: _____

Date: _____

3

PRIYADARSHINI BHAGWATI COLLEGE OFENGINEERING

Certificate

This is to certify that the project report entitled

"DESIGN AND FABRICATION OF NO SUSPENSION NO DIFFERENTIAL VEHICLE – GO KART"

Being Submitted By.....

GAURAV M. BHOYAR	SNEHIL S. DHANORKAR
NIHAL V. KUKDE	RUBEL R. PAKALWAR

NIHAL P. PISE

For the partial fulfillment of the award of

"Bachelor Degree in Mechanical Engineering"
is the record of their own work carried out by them under my guidance and supervision.

Dr. A.D. ANJIKAR	**Prof. S. M. PIMPALGAONKAR**	**Dr. N. K. CHOUDHARI**
Guide	H.O.D	Principal

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING
SESSION (2022-2023)

Certificate

This is to certify that the project report entitled

"Design And Fabrication Of Honeycomb Biomass Briquettes Making Machine"

Submitted By

Swapnil Meshram

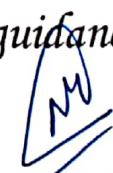**Vedant Chore**

Yogesh Kukade

Ankit Pantawane

Vrushabh Mohurle

For the partial fulfillment of the award of
"Bachelor Degree in Mechanical Engineering"
is the record of their own work carried out by them under my guidance and supervision.

Mr. R.K.BHOYAR   Mr. S.M. PIMPALGAONKAR   Dr. N.K. CHOUDHARI

Guide   H.O.D   Principal

2

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled

"Road Survey To Prevent Road Accident (Katol Naka To Kalmeshwar Railway Station)"
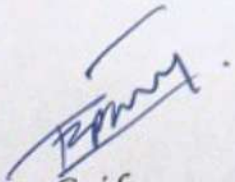
Being Submitted By.....
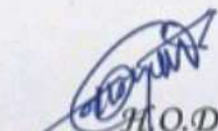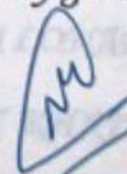
Sachin Mohariya

Umesh Akare

Sanket Khajuriya

Shivam Lonare

Diksha Bokde

For the partial fulfillment of the award of
"Bachelor Degree in Civil Engineering"
is the record of their own work carried out by them under my guidance and supervision.

Guide
Dr. Tejas Patil

H.O.D.
Dr. Ranjeet N. Patil

Principal
Dr. N.K. Choudhari

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled

"Industrial Case Studies in Non-Destructive Testing and Evaluation"

Being Submitted By

TANAYA K. NIKHARE   VAISHNAVI R. SENGANWAR

VIRASHRI G. KANHEKAR   PARITOSH R.BARASKAR

NIPUN G. SONWANI

For the partial fulfillment of the award of

"Bachelor's Degree in Civil Engineering"

is the record of the work they carried out under my Guidance and supervision.

Prof. N. B. Thikare   Dr. Ranjeet N. Patil   Dr. N.K. Choudhari
Guide, Asst. Professor   HOD, Civil Department   Principal, PBCOE

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled
"UTILIZATION OF POLYPROPYLENE FIBRES TO IMPROVE PHYSICAL & MECHANICAL PROPERTIES OF CONCRETE"

Being Submitted By.....

Nikita Bhoyar

Sejal Longadge   **Mohit Bhoyar**

Vikrant Thetmale   **Yash Pampanwar**

For the partial fulfilment of the award of

"Bachelor Degree in Civil Engineering"

is the record of their own work carried out by them under my

guidance and supervision.

Guide
Prof. N. B. Thikare

H.O.D.
Dr. Ranjeet N. Patil

Principal
Dr. N.K. Choudhari

i

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING,

NAGPUR

Certificate

This is to certify that the project report entitled

"To Study Various Methods Of Disposal Of Solid Waste Management"

Being Submitted By.....

Ritik Dhuve

Swapnil Bisne   **Mohammad Rehan**   **Sumegh Gaikwad**   **Ayush Namewar**

For the partial fulfillment of the award of
"Bachelor Degree in Civil Engineering"
is the record of their own work carried out by them under my guidance and
supervision.

Guide
Prof. A.N.Burile

M.O.D.
Dr. Ranjeet N. Patil

Principal
Dr. N.K. Choudhari

Priyadarshini Bhagwati College of Engineering, Nagpur

Department of Civil Engineering

Session: 2022-2023

Certificate

This is to certify that the project report entitled **"Study of Kochi Barrage"** is a bonafied work done under our guidance to **Trushna Gabhane, Shruti Hadke, Rinkal Dambhare, Hema Bujade, Krutik Meshram** is submitted to **Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur** in the partial fulfillment of the requirement for the Degree of **Bachelor of Engineering** in **Civil Engineering.**

Prof. A. N. Burile

(Guide)

Dr. R. N. Patil

(H. O. D)

Dr. N. K. Choudhari

(Principal)

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled

"Case Study of Geocell Use in Road Construction"

Being Submitted By…..

DNYANESHWARI V.GURNULE

ACHAL B. LEKURWALE   **PRANJALI G. GANORKAR**

SANJANA S. MESHRAM   **UNNATI U.GHATAME**

For the partial fulfillment of the award of
"Bachelor Degree in Civil Engineering"
is the record of their own work carried out by them under my guidance and supervision.

Guide	*H.O.D*	*Principal*
Prof. K.V.MADURWAR	Dr. Ranjeet N. Patil	Dr. N.K. Choudhari

A

Project Report

On

" STABILIZATION OF SOIL BY USING GROUNDED RUBBER POWDER "

Submitted to RashtraSant Tukdoji Maharaj, Nagpur University in partial fulfilment of the requirement for the award of degree

BACHELOR OF ENGINEERING

in

CIVIL ENGINEERING

Submitted by

PRADYUMN KAMANE	SHREYASH DHAGE
PRAFUL TULSHIKAR	SHUBHAM DONGARDIVE
SUDHANSHU DHOBLE	

Guided by: -

Prof. Nimita Gautam

DEPARTMENT OF CIVIL ENGINEERING

Priyadarshini Bhagwati College of Engineering, Nagpur 440024

2022-2023

PRIYADARSHANI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled

"A CASE STUDY ON DRIP IRRIGATION"

Being submitted by

Gunjan Dhoble

Satish bhramnkar

Jyoti sakhre

Alok raut

Thauhid khan

For the partial fulfillment of the award of

"Bachelor's degree in civil engineering"

In the record of their own work carried out by them under my guidance and supervision

Guide
Prof. (Ms.) Arti Sorte

H.O.D
Dr. Ranjeet N.Patil

Principal
Dr. N. K. Choudhry

9/06/2023

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled

"Effect of pH on Rain Water"

Being Submitted By.....

Ashish D. Khapre

Rahul D. Gaikwad

Vikesh M. Buddhe

Lokesh B. Zade

Aadesh D. Thakre

For the partial fulfilment of the award of

"Bachelor Degree in Civil Engineering"

is the record of their own work carried out by them under my

guidance and supervision.

Guide
Dr. Raneet N. Patil

H.O.D.
Dr. Ranjeet N. Patil

Principal
Dr. N. R. Choudhari

9/06/2023

1

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

CERTIFICATE

This is to certify that the project report entitled

"The Analytical Study of Production of Biodiesel from waste"

Being Submitted By.....

Bhupendra Bawanthade

Vicky Thembhare

Rohan Bagde

Arif Ansari

Harsh Ghube

For the partial fulfillment of award of

"Bachelor Degree in Civil Engineering"

Is the record of their work carried out under Guidance and supervision of

Dr. R.N. Patil.

Guide &H.O.D

Dr. R.N. Patil

Principal

Dr. N.K. Choudhari

9|06|2023

PRIYADARSHINI BHAGWATI COLLEGE OF ENGINEERING, NAGPUR

Certificate

This is to certify that the project report entitled
"**Use of Rice Husk Ash & Fly-ash for High Strength Concrete**"
Being Submitted By......

Mr. Sarthak R. Kadu   Mr Rahul V. Kuthe

Mr. Nilesh L. Chappalwad   Mr. Ankush S. Wankhade

Mr. Nikunj R. Janbandhu

For the partial fulfillment of the award of
"**Bachelor Degree in Civil Engineering**"
is the record of their own work carried out by them under my
guidance and supervision.

Guide   H.O.D.   Principal
Dr. Tejas R. Patil   Dr. Ranjeet N. Patil   Dr. N.K. Choudhari

Certificate

This is to certify that the project report entitled

"A CASE STUDY OF ADVANCED FLOATING BUILDING"

Being Submitted By....

Ashish Wankhede

Darshan Ghatole   Gunjan Kuttarmare

Trupti Rangari   KrutikaPunwatkar

For the partial fulfillment of the award of

"Bachelor Degree in Civil Engineering"

is the record of their own work carried out by them under my

guidance and supervision.

Guide   H.O.D.   Principal

Prof. K.V. Madurwar   Dr. Ranjeet N. Patil   Dr. N.K. Choudhary

Principal
Priyadarshini Bhagwati College **of Engg.**
Umred Road, Nagpur.

Priyadarshini Bhagwati College of Engineering, Nagpur 440024

CERTIFICATE

This is to Certify that Project report entitled

"SOIL STABILIZATION USING FLY ASH AND COIR FIBER"

Submitted to RashtraSant Tukdoji Maharaj, Nagpur University for partial fulfilment of the award of

BACHELOR'S DEGREE IN CIVIL ENGINEERING

Submitted by

YASH DALVI

PRERNA KAMBLE   **KHUSHBU SHARNAGAT**

PRAJWAL WANKHADE   **SARTH ASHTANKAR**

Guided by

Prof . Nimita Gautam

Guide
Prof. Nimita Gautam

Head of Department
Dr. Ranjeet N. Patil

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