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Criteria 1.3 : Curriculum Enrichment

**1.3.3 Percentage of students undertaking project work/ field work/ internships (Data for the latest completed academic year) -2020-21
Department of Computer Engineering**

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A 1-Sample List of Student Internships 2020-21

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Industry/Institute Internship

❖ Department of Computer Engineering

2020-21

Sr No	Student Name	Class	Company Name	Start date	End date
1	Abhinav Sharma	TE	Bennett University	05/11/2020	6/19/2020
2	Om Yerawar	TE	Knowledge Solutions India	05/04/2020	6/15/2020
3	Shubham Mishra	TE	Knowledge Solutions India	05/04/2020	6/15/2020
4	Krish Amesur	TE	Knowledge Solutions India Pvt Ltd	05/04/2020	6/15/2020
5	Advait Naik	TE	LeadingIndia.AI	05/11/2020	6/19/2020
6	Aditya Gurnani	TE	Leadingindia.ai	06/01/2020	07/10/2020
7	Tejas Atul Dhopavkar	TE	Leadingindia.ai	05/11/2020	6/19/2020
8	Omkar Ghagare	TE	Leadingindia.ai, Bennett University	05/11/2020	6/19/2020
9	Divya Raisinghani	TE	Trivia Software's	06/01/2020	6/30/2020
10	Puneet Meghrajani	TE	Trivia Software's	06/01/2020	6/30/2020
11	Sejal Budhani	TE	Trivia software's	06/01/2020	6/30/2020
12	Yashkumar Jain	TE	Knowledge Solution India	05/04/2020	6/15/2020

Dr Anjali Yeole

13	Kunal Salil Kotkar	TE	Knowledge Solutions India	05/04/2020	6/15/2020
14	Manoj Ayyappan	TE	Knowledge Solutions India	04/05/2020	6/15/2020
15	Sanket Narendra Jangale	TE	Knowledge Solutions India	05/04/2020	6/15/2020
16	Kedar Harishchandra Kharde	TE	Knowledge Solutions India	05/04/2020	6/15/2020
17	Shreyas Udupa	TE	Knowledge Solutions India	05/04/2020	6/15/2020
18	Anmol Devnani	TE	Knowledge Solutions India	04/05/2020	6/15/2020
19	Yashkumar Jain	TE	Leadingindia.ai	05/11/2020	6/19/2020
20	Jayesh Dhanrajani	TE	Trivia Software's	06/01/2020	6/30/2020
21	Anmol Devnani	TE	Trivia Software's	3/20/2020	4/20/2020
22	Aditya Mohan	TE	Caremel IT Services	04/01/2020	06/01/2020
23	Abhishek Waghmare	TE	Knowledge Solutions India	05/04/2020	6/15/2020
24	Swarangi Dali	TE	Knowledge solutions india	05/04/2020	06/10/2020
25	Ayush Raj Singh	TE	Knowledge Solutions India	05/04/2020	07/02/2020

26	Ajay Gupta	TE	Stamurai	05/05/2020	7/13/2020
27	Neelam Somai	BE	LeadingIndia.AI	05/11/2020	6/19/2020
28	Paras Gurnani	SE	Indian National Youth Foundation	6/22/2020	9/21/2020
29	Amit Joshi	SE	Knowledge Solutions India	05/04/2020	6/15/2020
30	Parthesh Pawar	SE	Knowledge Solutions India	05/04/2020	6/15/2020
31	Surabhi Soni	SE	LeadingIndia.Ai	05/11/2020	6/19/2020
32	Nikita Pradeep Kumar Jha	SE	Nuclei Technologies	05/01/2020	5/31/2020
33	Shaikh Insha Kamaluddin	SE	Nuclei Technologies .	05/01/2020	5/31/2020
34	Khushi Chouhan	SE	Unschool	7/20/2020	8/16/2020
35	Roshni Sanjay Jha	SE	Unschool	7/20/2020	8/16/2020
36	Baldev Arjundas Sundarani	SE	Knowledge Solutions India	05/04/2020	6/15/2020
37	Simran Sunil Gurnani	SE	Knowledge Solutions India	05/04/2020	6/15/2020
38	Vaibhav Boliya	TE	TechniAjz	7/15/2020	11/15/2020

39	Anish Vaidya	BE	Bennett University	06/01/2020	07/10/2020
40	Nikhil Gangaramani	TE	Knowledge Solutions India	05/02/2020	7/26/2020
41	Tina Rajpal	TE	FourSaulen Technologies Pvt ltd	06/01/2020	6/30/2020
42	Rahul Koli	TE	LeadingIndia.AI	11/5/2020	6/19/2020
43	Abhay Gupta	TE	LeadingIndia.AI	11/5/2020	6/19/2020
44	Sahil Lotya	TE	LeadingIndia.AI	11/5/2020	6/19/2020
45	Prasad Govekar	TE	LeadingIndia.AI	11/5/2020	6/19/2020
46	Prem Chhabria	TE	LeadingIndia.AI	11/5/2020	6/19/2020
47	Jay Jhaveri	TE	LeadingIndia.AI	11/5/2020	6/19/2020
48	Neeraj Ochani	TE	LeadingIndia.AI	11/5/2020	6/19/0202
49	Karan Sachdev	TE	LeadingIndia.AI	11/5/2020	6/19/2020
50	Reuben Thomas	BE	Virtually Testing Foundation	10/31/2020	12/31/2020
51	Muskaan Sharma	TE	Qboid Iotech Private Limited	9/15/2020	10/11/2020
52	Pratik Chainani	TE	HPCL	1/18/2021	2/17/2021
53	Maitryee Choudhary	SE	The Sparks Foundation	12/01/2020	12/31/2020

54	Vishwesh Rajendra Jagtap	TE	HOPE	12/02/2020	02/05/2021
55	Siddarth Prakash Bugtani	TE	HOPE	12/02/2020	02/05/2021
56	Yashvi Hiranandani	TE	HOPE	12/02/2020	02/05/2021
57	Paras Deepaklal Gurnani	TE	Indian National Youth Foundation	6/22/2020	9/21/2020
58	Aakash Chauhan	TE	Astorianz Private Limited	9/28/2020	12/15/2020
59	Pratik Chainani	TE	Ignited Spirits	03/01/2021	4/15/2021
60	Anmol Devnani	TE	Trivia Softwares	11/01/2020	12/01/2020
61	Vaishnavi Ainapure	TE	The Sparks Foundation	04/01/2021	4/21/2021
62	Muskan Tanna	TE	Astorian'z Industies Pvt. Ltd.	10/13/2020	12/13/2020
63	Nikita Samtrai	TE	Astorian'z Industies Pvt. Ltd.	10/13/2020	12/13/2020
64	Divesh Hariani	TE	Just Get It	8/18/2020	9/23/2020
65	Diksha Ramnani	TE	Astorian'z Industies Pvt. Ltd.	10/13/2020	12/13/2020
66	Shivani kulkarni	TE	Packbagbuddy	12/14/2020	2/14/2021
67	Divesh Hariani	TE	Just Get It	8/18/2020	9/23/2020
68	Aakash Chauhan	TE	Astorianz Private Limited	9/28/2020	12/15/2020

69	Tanvi Shetty	TE	Trivia Softwares	12/10/2020	02/10/2021
70	Aniket Ashok Pawar	TE	Internshala	02/05/2021	4/19/2021
71	Shivani Shenai	TE	Foxmula	9/15/2020	11/14/2020
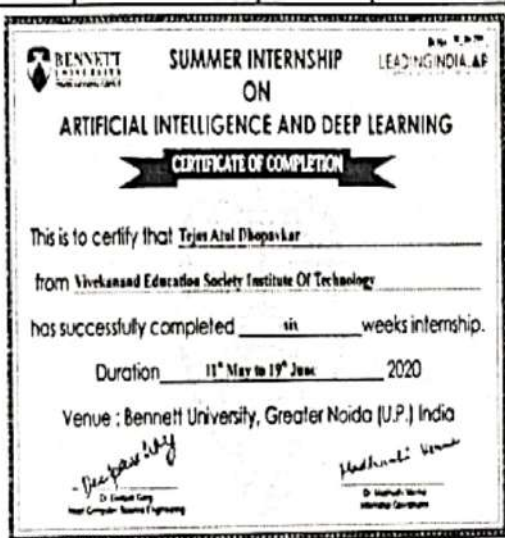
Certificate of Tejas Dhopavkar at "Bennett University, Noida"

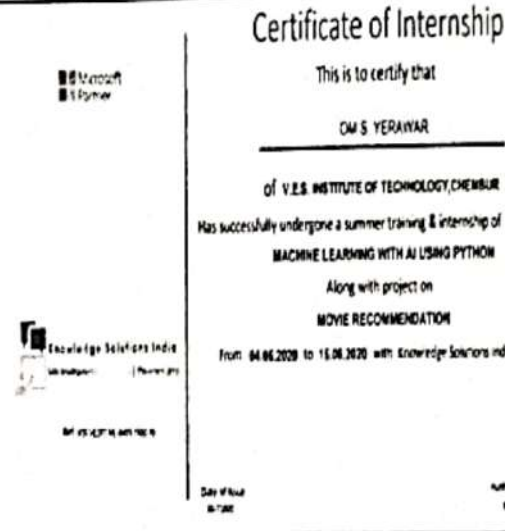Certificate of Om Yerawar at "Knowledge Solutions India"

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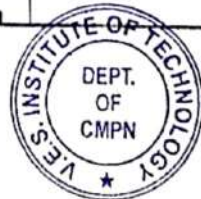**(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)**

A 2- List of Student Field Projects 2020-21

Computer Department Field Projects 2020-21				
Group No.	Name of the Student	Mentor Name	Title of the Project	No. of Students
1	Raj Chavan	Self Adaptive Traffic Signal Control System using Multi-Agent Reinforcement Learning.	Dr.Nupur Giri	4
	Ruturaj Chintawar			
	Bhavesh Chatnani			
	Manish Shinde			
2	Dheeraj Singh Jodha	Blockchain Infrastructure for Privacy-Preserving Applications	Dr. Mrs.Nupur Giri	4
	Abhay Tiwari			
	Yash Goyal			
	Akshay Thite			
3	Aditya Srivastava	AutoDL	Dr. Mrs.Nupur Giri	4
	Tanvi Shinde			
	Raj Joshi			
	Sameer Ahmed Ansari			
4	Sujitkumar Singh	Medi-OCaRe	Dr. Mrs. Nupur Giri	4
	Tina Chandwani			
	Suraj Shahri			
	Rahul Tejwani			
5	Aditya Rakesh Deopurkar	Epidemic Management	Dr. Mrs. Gresha Bhatia	4
	Shravan Parameshwar Bhat			
	Vivek Bapuji Choudhary			
	Sahil Lakho Talreja			
6	Pratiksha Wadibhasme	Vardaan - The power of two miracles in every breath	Dr. Mrs. Gresha Bhatia	4
	Vanshika Khanna			
	Anjali Amin			
	Gulshan Kataria			
7	Deepak Tejwani	Feed The Need(Nothing is more important than Lives)	Dr. Mrs. Gresha Bhatia	4
	Rohit Vinod			
	Shubham Shinde			
	Kuldeep Singh Khalsa			
8	YOGESH TEKWANI	E-Dressing Using Augmented Reality	Dr. Mrs. Gresha Bhatia	4
	Aditi Saptarishy			
	Shriya Sawant			
	Shital Chaudhari			
9	Anish Vaidya	Swachh AI	Mrs. Sujata Khedkar	4
	Chetas Shinde			
	Vinit Motwani			
	Mohit Thorat			
10	Hrushabhsingh Chouhan	Sentiment Analysis of Mixed-Case Language	Mrs. Sujata Khedkar	4
	Rucha Sanjay Daware			
	Anmol Raju Vaswani			
	Priyanka Awatramani			
11	Devansh Ahuja	Hateful memes, Offensive or Non-Offensive!	Mrs. Sujata Khedkar	3
	Priya Karsi			
	Anshul Bahrani			
	Anish Adnani	A smart home navigation for visually impaired for easy and		
	Nihal Bhandary			
	Mohammed Kaif Siddique			

Mannat

Mannat Doultani.

12	Supriya Patil	safe navigation	Dr. Mrs. Sharmila SenGupta	4
13	Saurav Pramod Ubarhande	Nayan- Narrator for the visually impaired	Dr. Mrs. Sharmila SenGupta	4
	Akash Magdum			
	Hritvik Pawar			
	Soham Phutane			
14	Shreyas Talole	Processing images and building a neural network to identify diseases from images of eye sonography.	Dr. Mrs. Sharmila SenGupta	3
	Atharva Bapat			
	Aditya Shinde			
15	Pragya Choudhary	Object detection using aerial data	Mr. Prashant Kanade	4
	Ria Dharmani			
	Archana Bhatia			
	Mohini Bhave			
16	Sachdev Nidhi Anand	Intrusion detection using keystroke dynamics and fuzzy logic membership function	Mr. Prashant Kanade	4
	Chhabria Barkha Sudhama			
	Saoji Vashnavi Sharad			
	Jumnani Hitesh Kumar			
17	Vrudhi Israni	Question bank based paper setting system	Mr. Prashant Kanade	4
	Rahul Tejwani			
	Kunal Chugriya			
	Meetali Dulera			
18	Sahil Motwani	Anywhere Pariksha	Dr. Mrs. Anjali Yeole	4
	Nikhil Nagdev			
	Manav Motwani			
	Chirag Nagpal			
19	Saloni Shedge	Prediction of an emerging zoonotic disease in an area using machine learning techniques to prevent its future outbreak as an epidemic.	Dr. Mrs. Anjali Yeole	4
	Simran Sahetia			
	Sanika Sanaye			
	Bhavika Idnani			
20	SAGAR RAHEJA	Using the concept of Neural Networks and Data Analysis for the early detection of COVID-19 through X-Ray Images.	Dr. Mrs. Anjali Yeole	4
	JATIN CHHARIA			
	GAURANG WADHWA			
	Samay Ahuja			
21	Pooja Patil	Driver Distraction Detection	Mrs. Indu Dokare	4
	Rahul Ramrakhiani			
	Mansi Panjwani			
	Akshay lalwani			
22	Yash Diwan	Personalized Secure E-Identity Card	Mrs. Indu Dokare	4
	Atharva Deshmukh			
	Purav Rathod			
	Krishna Zanwar			
23	Suraj Gangwani	Online E-Commerce Venture ChooseTheBest	Mrs. Vidya Zope	4
	Drishti Parchani			
	Divya Kalwani			
	Divya borse			
	Srivatsan Iyengar	COVID-19 Care: Checking whether people are following social distancing and wearing		
	Meher singh			
	Nikhil Joshi			
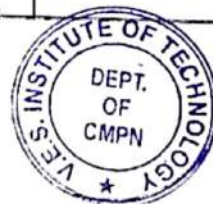
No.	Students	Project	Guide	
24	Krish Venkatteshwaran Mahadevan	face masks or not using Deep Learning	Mrs. Vidya Zope	4
25	Pradyot Chhatwani	Suitability of Tree Species for Afforestation And Deforestation Prediction Using GIS	Mrs. Vidya Zope	4
	Monaami pal			
	Nihar Kalsekar			
	Vaibhav Mane			
26	Gayatri Patil	Patang Abhidhani- Comprehensive Solution For Butterfly Research	Priya R. L.	4
	Neelam Somai			
	Gaurav Tirodkar			
	Yash Mate			
27	Aditya Rao	Fake News Classification using AI techniques	Mrs., Priya RL	4
	Ankush Shetty			
	Aditya Uphade			
	Puneet Thawani			
28	Tarun Chhabriya	Smart navigation stick for visually impaired"	Priya R.L	4
	Muskan Shaikh			
	Neeraj Khatri			
	Sanjana Ahuja			
29	Mohit Khiani	Ubiquitous Platform for classifying Chest diseases using Chest X-Ray	Mrs. Lifna C.S.	4
	Karan Idnani			
	Sahil Rajpal			
	Sourav Mantri			
30	Alisha Punwani	Diagnosing the presence of COVID - 19 using medical imaging	Mrs. Lifna C.S.	4
	Heramb Kulkarni			
	Aditya Raute			
	Siddhesh Hadkar			
31	Gaurav Marwal	Automated Intra-day Trading for maximizing Profit	Mrs. Lifna C.S.	4
	Simran Pandita			
	Nilesh Talreja			
	Sivanta Beera			
32	Varad Kshemkalyani	Predicting Floods as a Consequence of Deforestation	Abha Tewari	4
	Heer Kukreja			
	Pratheek Menon			
	Reuben Thomas			
33	Tanishqa Shetty	Partial Autonomous Driver Assistant	Abha Tewari	4
	Naveed Sarguroh			
	Rahul Motwani			
	Parth Kingrani			
34	Ishaan Nangrani	Fake News Detection Using Machine Learning	Abha Tewari	4
	Pratik Nathani			
	Alish Wadhwani			
	Sujoy Mitra			
35	Smith Gajjar	Eklavya:Shaping The Leaders	Mannat Doultani	4
	Hrithik Malvani			
	Jai Seneji			
	Sonia Thakur			
36	Manasee Pabule	Smart Underwriting:A personalised virtual agent	Mannat Doultani	4
	Jatin Bhagchandani			
	Aishwarya Sahoo			
	Sneha Lalwani			

No.	Student Name	Project Title	Guide	
37	Sreevidya Iyer	Virtual Mental Health Assistant	Mrs. Kajal Jewani	4
	Dhanashree Shetty			
	Purva Badgujar			
	Anjali Nambiar			
38	Sahil Gangwani	Automatic Article Summarization	Mrs. Kajal Jewani	4
	Disha Mhatre			
	Ojas Damankar			
	Nitesh Janyani			
39	Chandni Panjabi	Let's get placed	Mrs. Sunita Suralkar	4
	Muskan Kewalramani			
	Sanjana Narang			
	Simran Galani			
40	Sonal Misal	BrightSide: Creative Learning For Creative Minds	Mrs. Sunita Suralkar	4
	Priyanka Patil			
	Vidya Katara			
	Jyotsna Dusane			
41	Prathamesh Pendal	DeepFake detection	Mrs. Sunita Suralkar	4
	Varun Rochwani			
	Surbhi Mantri			
	Aditya Sajeev			
42	Manav Mulchandani	Equity Portfolio Generation and Optimization	Mrs. Rupali Hande	4
	Divesh Harchandani			
	Tarun chawla			
	Vanshika Makhija			
43	Aadarsh Ahuja	Krishi Manch: Efficient Farming Platform	Mrs. Rupali Hande	4
	Sanjay Shamnani			
	Pawan Chichriya			
	Avi Watwani			
44	Ajay Bathani	Loan Eligibility Predictor	Mrs. Pallavi Saindane	4
	Kunal Dongare			
	Sneha Indulkar			
	Anjali Asrani			
45	Kajol Achhra	Bird species identification and prediction analysis of endangered species	Mrs. Pallavi Saindane	4
	Kamrani pooja			
	Parth Mangtani			
	Priyanka Ahuja			
46	Pankaj Parwani	POLLEN: Anthers To Allergies	Mrs. Sunita Sahu	4
	Avinash Bhawnani			
	Niraj Bhavnani			
	Karan Rupreja			
47	Prateek Mehta	Steganalysis : Detection and Removal of hidden files from Image and Text Documents	Mrs. Sunita Sahu	4
	Akshay Nair			
	Khushboo Manik			
	Soumya Edappilly			
48	Jayesh Samtani	Cyberbullying and fake account detection in social media	Mr. Richard Joseph	4
	Sagar Sidhwa			
	Somesh Tiwari			
	Riya Wadhwani			
	Naren Khatwani			
	Raghav Potdar			4

49	Rahul Sohandani Adithya Shrivastava	Food Aayush	Mr. Richard Joseph	
50	Atharva Date Pratik Rane Rishabh Sah Amay Chugh	BlockWheels - A peer-to-peer ride sharing network	Mr. Richard Joseph	4
51	Ekta Kithani Jaya Tanwani Bhavesh Mangnani Nikita Achhra	Digital Land Registry System Using blockchain	Yugchaya Dhote/(Ms. Richa Sharma) Co Guide :- Rohini	4
52	Nilesh Rijhwani Aishwarya Goythale Janhvi Patil Sartha Tambe	sVana 2.0: Bringing Light And Dark Together	Yugchayya Dhote/(Ms. Richa Sharma) Co Guide :- Geocey	4
53	Kalpesh Bhole Tamanna Saini Kunal Bathija Anuraj Bhosale	Allocation and Tracking of Public Funds Using Blockchain	Yugchaya Dhote/(Ms. Richa Sharma) Co Guide :- Pallavi G	4
54	Bhavika Dinesh Motiramani Muskan Anil Asrani Ashish Naresh Sukhani Manas Shekhar Mangaonkar	Ear Biometrics: One more step towards Social Distancing	Sujata khandaskar/(Ms. Mansi Talreja) Co Guide :- Nusrat	4
55	Sahil Talreja Rohit Talwar Khushboo Bhatia Kanchan Shownkeen	Society Solutions	Sujata khandaskar/(Ms. Mansi Talreja) Co Guide :- Sanjay M	4
56	Harsh Sachanandani Anuj Yadav Sachin Bhatia Anupam Giri	Bhavna- Sentiment analysis using Video Colour Amplification	Mrs. Rupali Hande	4

A 3. List of Student Mini Projects 2020-21

Computer Third Year Mini Projects 2020-21

| Group No.	Name of the Student	Mentor Name	Title of the Project	No. of Students
1	Siddarth Prakash Bugta	Dr. Mrs.Nupur Giri	Spices yield prediction in India based on Environmental Data	
	Vishwesh Rajendra Jagta			
	Yashvi Ashok Hirananda			
	Kabir Rajesh Rajpal			4
2	Aditya Mohan	Dr. Mrs.Nupur Giri	ScaN4U(doc scanner)	
	Mayank Motwani			
	Praneel Rastogi			
	Dinesh Kannan			4
3	Rohan Ghosalkar	Dr. Mrs.Nupur Giri	Artificial Intelligence Model for Epidemiology of Tuberculosis	
	Khushi Makhijani			
	Jay Dulera			
	Arnav Bagchi			4
4	Rahul Koli	Dr. Mrs.Gresha Bhatia	Classification of Brain Tumor using MRI Images	
	Prasad Govekar			
	Karan Sachdev			
	Sahil Lotya			4
5	Siddharth Tayde	Dr. Mrs.Gresha Bhatia	A Smart Air Pollution Monitoring System	
	Aditya Sawant			
	Nikhil Masand			
	Barun Singh			4
6	Riddhi Khole	Dr. Mrs.Gresha Bhatia	Entrepôt Optimisé - A Pocket WMS	
	Srishti Vazirani			
	Sakshee Sawant			3
7	OMKAR MANE	Mrs.Sujata Khedkar	KIDsVIEW -A PARENT'S COMPANION	
	ADVAIT NAIK			
	ADITYA GURNANI			4
	KRISH AMESUR			
8	Shreyas Kotkar	Mrs.Sujata Khedkar	Real time Face Mask Detection and Social Distance Monitoring System	4
	Yashkumar Jain			
	Chirag Kinger			
	Vikram Virwani			
9	Muskaan Sharma	Mrs.Sujata Khedkar	PREDICTING THE GROWTH AND TRENDS OF COVID-19 PANDEMIC	3
	Sakshi Lalchandani			
	Nupur Patil			
10	Jay Jhaveri			4
	Abhay Gupta			
	Prem Chhabria	Mrs.Sharmila	Divya Drishti (Divine	

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	Neeraj Ochani	Sengupta	Perception)	
11	Abhijit Pradeep Thikeka	Mrs.Sharmila Sengupta	Patang Abhidhani - A comprehensive guide for Lepidopterists and butterfly enthusiasts	3
	Saurav Sunil Telge			
	Aniket Ashok Pawar			
12	Dimple Nachnani	Mrs.Sharmila Sengupta	AiDD -Assisting children and doctors.	4
	Etisha Mathurvaishya			
	Swarangi Dali			
	Sakshi Haswani			
13	Omkar Mangalpall	Mr.Prashant Kanade	"Sanjay" Assistive vision for the Blind	4
	Aabha Ranade			
	Divya Raisinghani			
	Mayur Pawar			
14	Deepika Mangnani	Mr.Prashant Kanade	Handwritten Character Recognition	3
	Jasika Sukheja			
	Hanisha Mohinani			
15	Amit V. Joshi	Mr.Prashant Kanade	Medical requirement system using Machine Learning	3
	Jayesh R. Shadi			
	Puneet Meghrajani			
16	Anjali Hassani	Dr.Mrs. Anjali Yeole	Exercise Assistance with Machine Learning	4
	Saurabh Lalwani			
	Yash Laddha			
	Om Yerawar			
17	Harish Kumar	Dr Mrs.Anjali Yeole	Security against phishing attacks using Machine Learning algorithms	4
	Anshal prasad			
	Ninad rane			
	Nilay tamane			
18	Mohit Peshwani	Dr.Mrs.Anjali Yeole	Emotion Analysis using Facial Recognition and Vital body Parameters.	3
	Abhishek Odrani			
	Saurav Kalaskar			
19	Siddhesh Sharad Gadge	Mrs.Indu Dokare	Chala Shikuya : The Primary Aid for Learning	4
	Siddhesh Vijay Bhere			
	Kedar Harishchandra kh			
	Rohit Chandrakant Jadh			
20	Harsh Singh	Mrs.Indu Dokare	Jeeva Dhara – Blood bank Connect app	4
	Shubham Singh			
21	Bhavesh Mukesh Lohana		Plant Identification and Disease Detection using Image Processing	
	Nikhil Kamlesh Gangara			
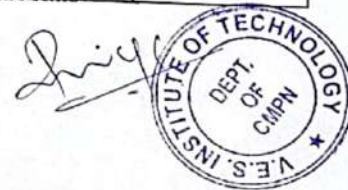
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	Name	Guide	Project	
	Aakash Nikhil Chauhan	Mrs.Vidya Zope	Image Processing, Machine Learning and Deep Learning.	4
	Tanish Santosh Sahijwan			
22	Vinayak Baranwal	Mrs.Vidya Zope	Recognition (SER) OR Emotion detection via Speech to Text Generator	3
	Chinmay Waykole			
	Krish Khemani			
23	Pooja Arun Koshti	Mrs.Vidya Zope	Aspiro	4
	Vaishnavi Atul Ainapure			
	Arya Gulshan Paryani			
	Juhi Haresh Talreja			
24	Ayush Wadhwa	Mrs.Priya R.L	Smart Supermarket System	4
	Akshay Motiyani			
	Pawan Lulla			
	Anand Pal			
25	Riya Menon	Mrs.Priya R.L	Textlytic - Automatic Project Summarization using Natural Language Processing	4
	Namrata Tolani			
	Gauravi Tolamatti			
	Akansha Ahuja			
26	Shreeja Nanda	Mrs.Priya R L	Seminar Attendance Tracker using Facial Recognition	4
	Riteshsingh Kadakoti			
	Anmol Devnani			
	Maitraiyi Dandekar			
27	Jatin Chhabria	Mrs.Priya R.L	Carrer Recommendation System	3
	Sahil Kochar			
	Yash Wadhwani			
28	Paras Gurnani	Mrs Lifna.C.S	Inventory optimization using machine learning	4
	Divesh Hariani			
	Karan Kalani			
	Praveen Mirchandani			
29	Pratik Chainani	Mrs Lifna.C.S	Detection of Fake News in Healthcare domain	3
	Khushboo Bhatia			
	Laveen Dawani			
30	Bhavika Mulwani	Mrs.Lifna CS	Twitter sentiment analysis	3
	Sameer Israni			
	Aakash Vanjani			
31	Amit.D.Chhabria	Mrs. AbhaTewari	MentalEase - A Virtual Mental Health assistant	4
	Harshita Kanal			
	Ajay Singh Khalsa			
	Sanket Chaudhary			
32	Mohit Balani			

	Name	Guide	Project	
	Rohit Vadhya			4
	Sahil Ramrakhiyani	Mrs.Abha Tewari	E-placement : placement prediction system	
	Nikhil Sewani			
33	Shubham Mishra		Ehatiyaat:A solution to Contagious Disease Prevention	
	Abhinav Sharma	Mrs.Abha Tewari		3
	Dhiren Soneji			
34	Tejas Dhopavkar		Vastavikta : The Rumor Detector	
	Onkar Bhatlawande	Mrs. Abha Tewari		3
	Omkar Ghagare			
35	Deepika Gambani			
	Hitika Hemnani			4
	Jayesh Dhanrajani	Mrs.Mannat Doultani	BON APPETIT	
	Arya Telavane			
36	Paridhi Inder Harpalani			
	Sadhvi Ganuwala			4
	Simran Watwani	Mrs.Mannat Doultani	पुतकालय -Book A Book	
	Nidhi Rohra			
37	Baldev Arjundas Sundar			
	Simran Sunil Gurnani		Smart voting system using retinal image detection	4
	Hitesh G Santani	Mrs.Kajal Jewani		
	Abhishek Waghmare			
38	Nishikant Patil			
	Girish Vaswani			4
	Chetan Urkude	Mrs.Kajal Jewani	Student Performance Prediction	
	Aashish Vaswani			
39	Muskan Tanna		Weather, Pollution Prediction and Ozone Level Detection Using ML.	
	Diksha Ramnani	Mrs.Kajal Jewani		3
	Nikita Samtrai			
40	Priyanka Asrani			
	Sejal Kriplani			4
	Anjali Badlani	Mrs.Sunita Suralkar	Krishi Setu - bridging the value gap	
	Sarthak Thakur			
41	Dhwani Serai		Sakhi - NLP for Abusive Language Detection from Domestic Violence Discourse	
	Priya Gangwani	Mrs.Sunita Suralkar		3
	Kirti Patil			
42	Chetan Naik			
	Soham Kamat			3
	Jayant Mukundam	Mrs.Sunita Suralkar	Climate Impact Rating Labelling System	
	Harshita Mishra			

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No.	Name	Guide	Project	
43	Vinita chugh	Mrs.Rupali Hande	Speech Emotion Recognition System (SER).	
	Shivanghee kaw			3
	Varsha sablani			
	Surabhi soni			
44	Vedant Sawant	Mrs.Rupali Hande	Fast Biometric Authentication System based on Audio-Visual Fusion	
	Shivani Shenai			3
	Gaurav Patil			
	Muskan Paryani			
45	Shikhar Niranjan	Mrs.Pallavi Saindane	Music Recommendation App	
	Sejal Budhani			3
	Mahek Nagdev			
	Roshni Kataria			
46	Roshnee Matlani	Mrs.Pallavi Saindane	Deepy: Your Virtual Companian	
	Roshan Dadlani			4
	Sharv Dumbre			
	Shruti Mishra			
47	Ayush Raj Singh	Mrs.Sunita Sahu	Predicting and calculating the impact of air pollutants on Agriculture using Machine Learning	
	Daksh Ramchandani			4
	Ian Sequeira			
	Mirudhula Nadar			
48	Salonee Velonde	Mrs.Sunita Sahu	Doctor Bing	
	Khushi Zawar			4
	Shreya Shah			
	Tina Rajpal			
49	Ajay Gupta	Mrs.Sunita Sahu	Educational query bot trained using Videos and Text	
	Hritwik Ekade			4
	Neel bhagat			
	Sparsh Amarnani			
50	Rashmi Manwani	Mr.Richard Joseph	E-Tourism	
	Siddhi Mejari			4
	Riya Matwani			
	Disha Lund			
51	Parthesh Pawar	Mr.Richard Joseph	Employee Attrition Prediction With Depression Analysis	
	Kunal Kotkar			4
	Sanket Jangale			
	Shreyas Udupa			
52	Manoj Ayyappan	Mr. Richard	Realtime Indoor Workout Analysis Using Machine Learning &	
	Tanvi Shetty			4
	Gurudatt Gaonkar			

	Name	Guide	Project Title	
	Aashish Nagpal	Joseph	Image Processing	
53	Saloni Ingle	Mrs. Yugchhaya Galphat/Richa Sharma & Nusrat	Monitoring plant health and detecting uncovered land area using Multispectral Images	4
	Shivani Kulkarni			
	Vaibhav Boliya			
	Nitesh Duseja			
54	Vanshika Bhavnani	Yugchhaya Galphat/Richa Sharma & Sanjay	Detecting influential user and influential post in online social media	3
	Gunjan Bhawsinghka			
	Jaishree Golani			
55	Navin kachhela	Mrs.Sujata Khandaskar/Geocey	ShopKart: Design and Implementation of E-Commerce Web Application	4
	Vipul devnani			
	Chandan panjwani			
	Neeraj gwalani			
56	Nachiket Joag	Mrs.Sujata Khandaskar/Pallavi G	Virtual Assistant for railway stations	3
	Muheet Rashid			
	Kaushal Singh			
57	Anurag Punjabi	Mrs.Sujata Khandaskar/Rohini	Company Audit and Financial fraud detection using Machine Learning	4
	Kushal Dayani			
	Bhavesh Lalwani			
	Gautam Pamnani			
58	Anurag Singh	Mrs. Pallavi Saindane	Employee Management System	2
	Vedant Darak			
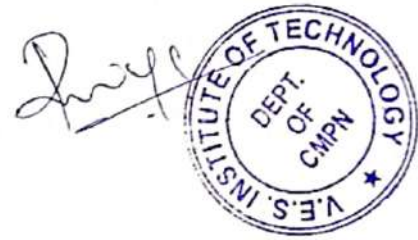
Group No.	Name of the Student	Mentor Name	Title of the Project
	Computer S.E-Mini Projects 2020-21		
1	Yashraj Pandurang Desai	Dr.(Mrs.) Nupur Giri	Web site for Smart contract based Cooperative Industry Model -for Farmers
	Shreyas Ganesh Poojari		
	Mihir Rane		
	Harsh Yogesh Lulla		
	Aniket Dewnani		
2	Meet D. Patel	Dr.(Mrs.) Nupur Giri	Web site for Blockchain based app for Recycling Waste
	Abhishek Patwardhan		
	Dhruv Ahir		
	Aashutosh A Baraskar		
	Adwait Shirodkar		
3	DHEERAJ YADAV	Dr.(Mrs.) Gresha Bhatia	Finding donors in the proximity of recipients
	BHAJAN WATWANI		
	Matai C Jony		
	ROUNAK TALREJA		
	PRIUM ROHERA		
4	Himanshu Behra	Dr.(Mrs.) Gresha Bhatia	An app to monitoring the movement of hardware resource like the laptop into the various classes
	Ikjot Khurana		
	Aishwarya krishnamurthy		
	Kartik Inder Nagdev		
	Vaidehi Bhagwat		
5	Advait Bansode	Dr.(Mrs.) Sharmila sengupta	Identifying plastic from dry waste
	Akshita Upadhyay		
	Kunal Godhwani		
	Rohit Dilip Manghani		
	Garv Jhangiani		
6	J N Guru Akaash	Dr.(Mrs.) Sharmila sengupta	To create a heat map based on biodiversity of birds in Maharashtra
	Prithvi Kumar		
	Anurag Saraswat		
	Suresh lalbahadur Aydi		
	Ashwin Kurup		
7	Piyush Nihalani	Mrs. Sujata Khedkar	Online chatbot for students
	Rishabh Bathija		
	Sahil Deshmukh		
	AbdulHannan Gharade		
	Bhavika Chattani		
	Shreya Hegde		
	Orijeet mukherjee		

	Students	Guide	Project Title
8	Mayur Jaisinghani Vivek Shivkumar Gonal Chirag Lundwani	Mrs. Sujata Khedkar	Story Telling With Data
9	Madhav Bhutada Manthan Pawar Vishesh Sachdev Niyanti P Padave Bhavishya Khanchandani	Mr. Prashant Kanade	VESIT Student Electronic Transaction Utility
10	Shivoham Rajesh Angal Rutvik Rajendra Purohit Aalhad Ajay Kate Pratik A Aswani Kartikey Verma	Mr. Prashant Kanade	Soil Test analysis
11	Riya Shukla Rutuja Patil Prithviraj Chavan Kunal M Wadhwani Vipin Talreja	Dr.(Mrs.) Anjali Yeole	Mobile attendance using near field communication
12	Nimisha Khadilkar Amisha Swamy Srushti Biwalkar Sakshi N Talreja Nirmiti Sali	Dr.(Mrs.) Anjali Yeole	Web based / smart phone based : Auditorium Reservation System
13	Paras Patil Vishesh Mittal Kapish Madhwani Aryan S Bedi Kaustubh Keny	Mrs. Vidya S Zope	Sentiment Analysis of Amazon Customer Reviews
14	Siddhi Bhosale Minal Katware Rakshit Deshmukh Parth Paresh Wadke Yogesh Khatri	Mrs. Vidya S Zope	Rental Toy management System
15	Shrushti Govindwar Kanchan nathani Shruti mehta Ritika Tikaram Khatri Sonali bodhwani Drishti Vasant Katiyara	Mrs. Indu Dokare	Automated status generation of College Due Clearance for pass out students

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	Student Names	Guide	Project
16	Radhika Jagdish Katiyara	Mrs. Indu Dokare	Placement Record System
	Iyer Nikhita Krishnan		
	Aakash Arun Mohite		
	Maitryee Harendra Choudhary		
17	Bhavesh meghwani	Mrs. Priya RL	E-Labs (Virtual Lab for Computer Engineering)
	saurabh lalwani		
	shubham Goswami		
	Anand Kamal Tekwani		
	harsh khairajani		
18	Nair Ajay Ravindran	Mrs. Sujata Khandaskar /Rohini Temkar	SALARY MANAGEMENT SYSTEM DATABASE PROJECT
	Shubham Sopan Zope		
	Varun Tripathy		
	Divesh Vijay Watwani		
	Soham Das		
19	Jay Deshmukh	Mrs. Lifna CS	Visualization of Data Structures
	Tarun Mishra		
	Pranav Gadhave		
	Yash D Ahuja		
	Tejas Gala		
20	Chirag Dayaramani	Mrs. Lifna CS	Visualization of Computer Network Algorithms
	Disha Raghani		
	Laveena Kithani		
	Rohan Ghume		
	Pranit Naik		
21	Jahnavi Mulchandani	Mrs. Abha tewari	Health card
	Shruti Koku		
	Aditya Khomane		
	Disha B Mehta		
	Ruchika Dusija		
22	Aashish Ramesh Raheja	Mrs. Abha tewari	A System for Mentoring Student For Education Institute
	Ashwin Suresh Pansare		
	Bharat Uttamchandani		
	Karan Punjabi		
23	Ruturaj Wairkar	Mrs. Mannat Doultani/ Pallavi-G	Home Budget Management System
	Harsh Bhat		
	Gourab Bank		
	Yash Jawale		

No.	Name	Guide	Project
24	Jai Malani	Mrs. Mannat Doultani	Facial Identity
	Kusum Rohra		
	Khushboo Dalwani		
	Khushboo Dhingra		
25	Akhil Chakkungal	Mrs. Mannat Doultani	VES-CMPN Repository
	Priyal Agarwal		
	Dhruv Sachdev		
	Vaishnavi Jadhav		
26	ROSHNI SANJAY JHA	Mrs. Kajal Jewani	X Ray image description app and detection of health issue or disease
	NIKITA PRADEEP KUMAR JHA		
	KHUSHI UDAYSINGH CHOUHAN		
	INSHA KAMALUDDIN SHAIKH		
27	Rashmi Singh	Mrs. Kajal Jewani	RaktDaan: People live when people give
	Hrithika Singh		
	Dhruvisha Mondhe		
	Shubhangi Zope		
28	Gulam Mohammad Ali	Mrs. Sunita Suralkar	Simulation of Algorithms/Puzzles
	Adarsh Singh		
	Pranav Chaturvedi		
	Varad Joshi		
29	Lavina Virwani	Mrs. Sunita Suralkar	Faculty portfolio
	Girish Khemchandani		
	Bhavesh Janyani		
	Neha Vaswani		
30	Asmita Bhangare	Mrs. Rupali Hande	Mfusion:music player which would suggest music depending on the taste of the person
	Samita Kanojia		
	Palak Garg		
	Komal Sethiya		
31	Amol Mali	Mrs. Rupali Hande	Website for students result management system
	Rushabh Rijhwani		
	Atharva Kathane		
	Riya Ranglani		
32	ABINASH BEHERA	Mrs. Sunita sahu	Students Attendance management System
	DHIREN GANWANI		
	SOHAM AMBRE		
	NIHAR KENNY		
	Piyush Kataria		

	Names	Guide	Project
33	Palash Mandhan Jitesh Ladhani Laksh Lalwani	Mrs. Sunita sahu	Event management system for VESIT
34	Payal Kukreja Payal Mangtani Sakshi Ailsinghani Kumodh Kukreja	Mrs. Sujata Khandaskar/ Rohini Temkar	HEALTH CARE ORGANIZATION DATABASE PROJECT
35	SRISHTI SHETTY MIHIR PAMNANI AKASH SONARE KAUSHAL JAGASIA	Mrs. Yugchhaya Dhote/ Geocey S	OnlineGame playing webSite
36	VARSHA JAWRANI DIPTI MENGHANI KIRTI VALECHHA AMAN KACHRU	Mrs. Pallavi Saindane/ Nusrat	Online Car Pool Management System
37	Prerak Moolchandani Tejas Mahajan Juhi Chhatlani Yash Lakhani	Mrs. Pallavi Saindane	Canteen Automation System
38	Gauri Mahajan Chirag parchani Sohan Walawalkar Naman Tahilyani	Mrs. Pallavi Saindane, +CoGuideNusrat	Student Portfolio Management System
39	Varnit Batheja Mrunmayee Waingankar Neeharika Nagori Muskan Hassanandani	Mr. Richard J/ Sanjay Mirchandani	Virtual Coding Environment
40	Dhiraj Taneja Manish khilwani Vijay Begwani Inderpalsingh Ramani	Mr. Richard J	Patient Monitoring
41	Aashish Nair Sourabh Bera Sneha Karthik Manasvi Patwa	Mr. Richard J	Student Portfolio
42	Karan Sharma Manigandan Kasimani Aryan Gupta Venkatesh Rallapalli	Mrs. Richa Sharma	Ration Man

43	Tanya Bajaj	Mrs. Richa Sharma	Hobby Hub
	Nikita Ahuja		
	Sakshi Gangwani		
	Komal Asrani		
44	Jasmine sawara	Mrs. Richa Sharma/ Sanjay Mirchandni	House Rental System
	Vanshika bajaj		
	Chandni meghnani		
	Hema gallani		
45	Laveena Shewkani	Mrs. Mansi Talreja/Pallavi G	Library Management
	Mohit Lalwani		
	Gunjan Lalwani		
	Hitesh Ahuja		
46	Anisha Dhameja	Mrs. Mansi Talreja	Web based online blood donation system
	Khushboo Bajaj		
	Karan Rohra		
	Yash Kriplani		
47	Paarth Kulkarni	Mrs. Mansi Talreja+Rohini (as Co-Guide)	Online Examination System
	Mrudul Parab		
	Gaytri Aasija		

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First Year Computer Students Mini Projects 2020-21

Group No.	Name of the Students	Mentor Name	Title of the Project	No. of Students
	Harsh loya	Manisha Tiwary	**WIRELESS POWER TRANSFER PROJECT**	**4**
	viraj joshi			
Group 1 D2A	varun chawla			
	Harsh patil			
	ISHA DESAI			
	MANASI SHAH	**Manisha Tiwary**		**4**
	SHREY PANCHAMIA			
Group 2	**FIGO CARDOZO**		**SOLAR CHARGER**	
	Trishala Jeswani		**Distance Measurement by ultraSonic sensor and Arduino**	
	Aditi Bhatia	Manisha Tiwary		5
	Meera Sawantdesai			
	Sonal Belani			
	Tanisha Patil			
Group 3				

	Chaitanya Sondur			
	Roshini Panjwani	**Manisha Tiwary**		
	Aaryan Manawat			**5**
	Nikhil Haswani		**LED Dimmer using Arduino**	
	Nikkita Gurnani			
Group 4				
	Shruti Dalvi			
	Hitakrit Goplani	**Manisha Tiwary**		
	Krish Mehta			**5**
	Priotosh Mondal			
Group 5	**Ritika Raina**		**SOLAR ROVER**	
	Simran Lahrani	**Manisha Tiwary**		
	Jessica Lalchandani			**5**
	Roshni Wadhwani			
	Karina Karira			
Group 6	**Gayatri Talreja**		**Night Lamp**	
	Aayush Shribatho	**Manisha Tiwary**		
	Sahil Salunkhe		**ENERGY CONSERVATION**	**5**
	Gautam Dinga			
	Yashraj Mulwani			
GROUP 7	**Nimish Chidrawar**			

	Rahul Motwani	Manisha Tiwary		
	Malhar Kajale			
	Tanishq Harchandani			
	Hitesh Ramrakhyani		Home Automation using Arduino UNO	5
Group 8	Abhiman Rajput			
	Kaushik Sahasranaman	Manisha Tiwary		5
	Mohit Shahdadpuri			
	Abhayvir Singh		Using Sound to Measure Temperature	
	Pranav Ubarhande			
Group 9	Bhavesh Bhatia			
Group 10	Swara Nabar			
	Riya Nadgire	Manisha Tiwary		5
	Shreya Kukreja		Doppler Effect	
	Chetaniya Bajaj		(Application of Doppler effect)	
	Piyush Waghmare			
	Hariharan Iyer	Manisha Tiwary		
	Om Madat			5
	Prathamesh Thakur			
	Shreyas Sawant			
Group 11			Portable Charger	

	Vansh Pahuja			
Group 12.	Sagar Kishnani	Manisha Tiwary		
	Vanshika Makhijani		Bell jar Experiment	4
	Namrata Avhad			
	Divya Makhija			
GROUP 13	SAHIL DODEJA	Manisha Tiwary		
	GUNJAN CHHAPROO		BERNOULLI'S PRINCIPLE	5
	ROSHNI JAISINGHANI			
	SAKSHI SHADADPURI			
	MOHIT GANGWANI			
Group 14	Gauri Nagral	Manisha Tiwary	EMI/Lenz's Law	
	Kaustubha Sahu			4
	Anurag Ghatge			
	utsav Gavli			
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D2B				
Group 1 D2B	Sanket Jaiswal			
	Omkar Mahajan			5
	Aditya Nehete			
		Dr. Jessy P. J	Rail gun	

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	Swapnil Sakpal			
	Tanmay Thakare			
Group 2	**Muskan Bahrani**			
	Prerna Bajaj			**5**
	Neeraj Chawla		**Ultra sonic goggles and smart stick for blind people**	
	Meet Chhabria			
	Yash Kewlani	**Dr. Jessy P. J**		
Group 3	**Sakshi Shinde**			
	Drishti Samvedi			**5**
	Gautam Wadhwani			
	Vinit Patil		**Light Induced Fidelity Current**	
	Anish Mangnani	**Dr. Jessy P. J**		
Group 4	**Sanjana Asrani**			
	Ritika Bhat			**5**
	Sakshi Bhojwani		**Applications of ARDUINO Robots**	
	Reshoo Nehru			
	Sakshi Rane	**Dr. Jessy P. J**		
Group 5	**Nishtha Batra**			
	Harsha Chelani			**5**
	Vidhi Chijwani			
	Teesha Karotra		**Social Distancing Alert Device**	
	Prabha Pamula	**Dr. Jessy P. J**		

Group 6	Vivek Balani			
	Komal Chhutlani			5
	Ritika Hotwani			
	Yash Pahlani		Electromagnetic Induction	
	Ritesh Tahilramani	Dr. Jessy P. J		
Group 7	Ayush jain			
	Varad deshmukh			5
	Om gole			
	hrishikesh patil			
	atharva mahalle	Dr. Jessy P. J	Piezoelectricity	
Group 8	Tithi Jhamnani			
	Deanna Fernandes			5
	Kaustubh Kharche			
	Chirag Panjwani			
	Yash Kaka	Dr. Jessy P. J	Heat Sensor	
Group 9	Dimple Madhwani			
	Diya Janyani			5
	Jasmine Dhirwani			
	Neeta Narang			
	Ritika Vanjarani	Dr. Jessy P. J	Hydraulic Brake	

Group 10	Soham Bhole			
	Yash Narkhede			5
	Harsh Bakhtar		Obstacle Avoiding Robot using Arduino	
	Divyang Patel			
	Samarth Gawali	Dr. Jessy P. J		
Group 11	Anish Nair			
	Chaitanya Limaye			5
	Tanay Phatak			
	Tanmay Damle			
	Yash Sahane	Dr. Jessy P. J	IR Deflectometry	
Group 12	Abhishek Chhabria			
	Digvijay Kocharekar			5
	Tarang Rajpal			
	Raghav Singh			
	Mithil Wasrani	Dr. Jessy P. J	Tesla Coil	
Group 13	Denzil Puvathingal			
	Vedansh Udhawani			5
	Dhananjay Pai			
	Harsh deshmukh			
	Pushkaraj Baradkar	Dr. Jessy P. J	led distance indicator	
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D2C				
Group 1 D2C	Sanjana Bhojwani			
	Aarya Lotke			5
	Siyona Singh			
	Aayushi Salunkhe		Automatic Solar street light	
	Vanshika Thakur	Dr. Jessy P. J		
Group 2	Deepali Duseja			
	Siddhant Kodolkar			5
	Sahil Madhyan			
	Bhargav Mungekar		Hydraulic Powered Robotic Arm	
	Swapnil Thatte	Dr. Jessy P. J		
Group 3	Yashvi Dhar			
	Vishakha Kulkarni			5
	Shalini Mirani			
	Aayush Pathak		Li-Fi project: transmission of data	
	Japneet Rajput	Dr. Jessy P. J		
Group 4	Anishkumar Mahalingam Iyer		Stellar Parallax	
	Divesh Mangtani			3
	Paraskumar Panchal	Dr. Jessy P. J		

Group 5	Sahil kishnani		
	Sahil Nagdev		5
	Jatin Ochani		
	Sohail shaikh		
	Vansh Takrani	Dr. Jessy P. J	3D hologram
Group 6	Anuj Bagad		
	Om Borate		5
	Ananya Pandey		
	Aayush Talerja		Automatic Night Lamp
	Niranjan Yeole	Dr. Jessy P. J	
Group 7	Chitra Atlani		
	Tammana Bathija		5
	Khushi Bhatia		
	Muskan Chhabria		Steriling Engine: Fire Alarm, Disaster alarm
	Nikita Narwani	Dr. Jessy P. J	
Group 8	Sachin Choudhary		
	Mihir Bhatkar		3
	Harshit Joshi	Dr. Jessy P. J	
			Laser Security System
Group 9	Navin idnani		
	Harsh karira		3
	khusboo kimtani	Dr. Jessy P. J	Use of electronic eye for preventing

			electrocution of birds	
Group 10	Aaditya Khetwani			
	Sahil Ramchandani			4
	Rahul Fatnani			
	Manav Valecha	Dr. Jessy P. J		
			Hydraulic press	
Group 11	Shubham Gupta			
	Suraj Patel			5
	Sujal Patil			
	Varun Salvi		Hydroponics: Agriculture without soil	
	Tarun Shetty	Dr. Jessy P. J		
Group 12	Aditya Mundas			
	Mansi Bellani			5
	Siya Doshi			
	Madhura Mhatre	Dr. Jessy P. J		
	Sudhanshu Sabale		Tesla Coil	
Group 13	Gaurav Ambartani			
	Ketaki Jambhekar			5
	Harsh Rane			
	Ashutosh Mishra		Stabilizing Active Volcanos	
	Nishchay Rajpal	Dr. Jessy P. J		

Group 14	**Chirag Dodeja**			
	Romesh Lulla			**5**
	Divesh Chhoda			
	Sunny Bhatia	**Dr. Jessy P. J**	**LPG Gas Detector**	
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B_1. Sample Internship Completion Certificates

हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड

(भारत सरकार उपक्रम) रजिस्टर्ड ऑफिस : 17, जमशेदजी टाटा रोड, मुंबई – 400 020.

HINDUSTAN PETROLEUM CORPORATION LIMITED

(A GOVERNMENT OF INDIA ENTERPRISE) REGISTERED OFFICE : 17, JAMSHEDJI TATA ROAD, MUMBAI - 400 020.

17, जमशेदजी टाटा रोड, पोस्ट बॉक्स नं. - 11041, मुंबई - 400 020. दूरभाष - 2286 3900 • फॅक्स - 2287 2992 • ई-मेल : corphqo@hpcl.co.in

17, Jamshedji Tata Road, P. O. Box No. - 11041, Mumbai - 400 020. Tel. : 2286 3900 • Fax : 2287 2992 • e-mail : corphqo@hpcl.co.in

CIN No.: L23201MH1952GOI008858

Ref : HPCL/HR-TRNG/NV/12

Date: 17th Feb, 2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Pratik Chainani student of B.E. Computer Engineering from Vivekanand Education Society's Institute of Technology was engaged as a Project Trainee at Information Systems Department during the period from 18th Jan, 2021 to 17th Feb, 2021.

He has successfully completed System Requirement Analysis on the Retail- Work Permit System. He presented the document on the same. He learnt designing of forms using HTML/JSP. We wish him success in all future endeavours.

Name & Sign of Project Guide

Arun Kumar Panda

Deputy General Manager – IS (Development)

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ASTU

Date: 18 February 2021

Subject: Internship Completion Certificate

TO WHOM IT MAY CONCERN

This to certify that **Mr Aakash Nikhil Chauhan** has successfully completed an internship with Astorian'z Industries Pvt. Ltd. as an Intern from 28th September 2020 to 15th December 2020.

He has worked as **"Sharing Cab Project Intern"** under my supervision and guidance. During the course of the internship, he has demonstrated good skills with Self-motivated attitude to learn new things.

Besides showing high comprehension capacity and managing assignments with dexterity, he has also maintained an outstanding professional demeanour and showcased moral character throughout the internship period.

I hereby certify him overall work good to the best of my knowledge.

Wishing him the best of luck for future endeavours.

From Astorian'z Industries Pvt. Ltd.

Vivek Bagaria
Director

ASTORIAN 'Z INDUSTRIES PVT LTD., B-11, SHANKAR GARDEN , VIKASPURI, NEW DELHI-110018

ASTU

Date: 2nd January December-2021

Subject: Internship Completion Certificate

TO WHOM IT MAY CONCERN

This to certify that **Ms. Tanna Muskan Dharmendra** has successfully completed an internship with Astorian'z Industries Pvt. Ltd. as a Intern from 13th October to 13th December 2020.

She has worked a " **Apna Shramik website development (frotend)**" under my supervision and guidance . During the course of the internship, she has demonstrated good skills with Self-motivated attitude to learn new things.

Besides showing high comprehension capacity and managing assignments with dexterity, she has also maintained an outstanding professional demeanor and showcased moral character throughout the internship period.

I hereby certify her overall work good to the best of my knowledge.

Wishing her the best of luck for future endeavors.

From Astorian'z Industies Pvt. Ltd.

Vivek Bagaria
Director

ASTORIAN'Z INDUSTRIES PVT LTD., B-11, SHANKAR GARDEN, VIKASPURI, NEW DELHI-110018

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

ASTU

Date: 2nd January December-2021

Subject: Internship Completion Certificate

TO WHOM IT MAY CONCERN

This to certify that **Ms. Ramnani Diksha Narain** has successfully completed an internship with Astorian'z Industries Pvt. Ltd. as a Intern from 13th October to 13th December 2020.

She has worked a " **Apna shramik website development (frontend)**" under my supervision and guidance . During the course of the internship, she has demonstrated good skills with Self-motivated attitude to learn new things.

Besides showing high comprehension capacity and managing assignments with dexterity, she has also maintained an outstanding professional demeanor and showcased moral character throughout the internship period.

I hereby certify her overall work good to the best of my knowledge.

Wishing her the best of luck for future endeavors.

From Astorian'z Industies Pvt. Ltd.

Vivek Bagaria
Director

ASTORIAN'Z INDUSTRIES PVT LTD., B-11, SHANKAR GARDEN, VIKASPURI, NEW DELHI-110018

ASTU

Date: 2nd January December-2021

Subject: Internship Completion Certificate

TO WHOM IT MAY CONCERN

This to certify that **Ms. Samtrai Nikita Manojkumar** has successfully completed an internship with Astorian'z Industries Pvt. Ltd. as a Intern from 13th October to 13th December 2020.

She has worked a " **Apna shramik website development (frontend)"** under my supervision and guidance . During the course of the internship, she has demonstrated good skills with Self-motivated attitude to learn new things.

Besides showing high comprehension capacity and managing assignments with dexterity, she has also maintained an outstanding professional demeanor and showcased moral character throughout the internship period.

I hereby certify her overall work good to the best of my knowledge.

Wishing her the best of luck for future endeavors.

From Astorian'z Industies Pvt. Ltd.

Vivek Bagaria
Director

ASTORIAN'Z INDUSTRIES PVT LTD., B-11, SHANKAR GARDEN, VIKASPURI, NEW DELHI-110018

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

CERTIFICATE OF APPRECIATION

This is to certify that

Pratik Chainani

has completed the tenure with Project Ignited Spirits from March 2021 - April 2021 by contributing effectively to the "Website Development" for the project.

NUPUR JETHI
Founder

IGNITED SPIRITS

SHOURYA SHARMA
Co-Founder

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Trivia Software's

Website: www.triviasoftwares.in

Date: 1st July 2020

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform you that **Ms. DIVYA H RAISINGHANI**, has successfully completed internship at Trivia Software's from 1st June 2020 to 30th June 2020.

During the internship, the candidate was exposed to the various Python 3.x related technologies and also implemented Management System Design Project using

- ❖ tkinter for GUI
- ❖ PDBC using SQLite3
- ❖ Data Science(Extraction, Analysis & Visualization)

We found the candidate extremely inquisitive and hardworking. The candidate was very much interested to learn the Python functionalities and implement it in the project too.

Association of candidate with us was very fruitful and we wish all the best for future endeavors.

TRIVIA SOFTWARES

Where Technological Ways Meet ....

Trivia Softwares

Website: www.triviasoftwares.in

Date: 11th Feb 2021

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform you that **Ms. TANVI SHETTY**, has successfully completed internship at Trivia Software's for the role of *"Python Developer Intern"* from 10th Dec 2020 to 10th Feb 2021.

During the internship, the candidate was exposed to the various Python 3.x related technologies and also implemented Management System Design Project using

- ❖ tkinter for GUI
- ❖ PDBC using SQLite3
- ❖ Data Science(Extraction, Analysis & Visualization)

We found the candidate extremely inquisitive and hardworking. The candidate was very much interested to learn the Python functionalities and implement it in the project too.

Association of candidate with us was very fruitful and we wish all the best for future endeavors.

TRIVIA SOFTWARES
Where Technological Ways Meet ....

Trivia Software's
Website: www.triviasoftwares.in

Date 5th July 2020

SUB: INTERNSHIP COMPLETION LETTER

We are glad to inform you that **Ms. SEJAL AVINASH BUDHANI**, has successfully completed internship at Trivia Software's from 1st June to 30th June 2020.

During the internship, the candidate was exposed to the various Python 3.x related technologies and also implemented Management System Design Project using

- ❖ tkinter for GUI
- ❖ PDBC using SQLite3
- ❖ Data Science(Extraction, Analysis & Visualization)

We found the candidate extremely inquisitive and hardworking. The candidate was very much interested to learn the Python functionalities and implement it in the project too.

Association of candidate with us was very fruitful and we wish all the best for future endeavors.

TRIVIA SOFTWARES
Where Technological Ways Meet ....

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

V.E.S.
Since 1962

Sr.No. SI_20-263

BENNETT UNIVERSITY
TIMES OF INDIA GROUP

LEADINGINDIA.AI

SUMMER INTERNSHIP
ON
ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

CERTIFICATE OF COMPLETION

This is to certify that **Abhinav Sharma**

from **Vivekanand Education Societys Institute Of Technology**

has successfully completed _____ **six** _____ weeks internship.

Duration _____ **11th May to 19th June** _____ **2020**

Venue : Bennett University, Greater Noida (U.P.) India

Dr. Deepak Garg
Head Computer Science Engineering

Dr. Madhushi Verma
Internship Coordinator

49

Virtually Testing Foundation

California, USA

LEARN, TEST, SHARE

REUBEN THOMAS

Cybersecurity Virtually Testing Internship

Certificate of Completion
December 31th, 2020

Over the period of internship, REUBEN has completed:

Learning Cloud on AWS
The Benefits of Containers
Software Defined Storage Fundamentals
Software Defined Data Center Fundamentals

Network and Security Concepts
Hands-on Network Security tasks
Software Defined Networking Fundamentals
Hands-on build of Software Defined Networking

Melissa Campos,
Internship Manager

Victor Monga,
Co-Founder

Issued by Virtually Testing is a 501(c)3 nonprofit California, US-based organization.

Vivekanand Education Society's
Institute of Technology

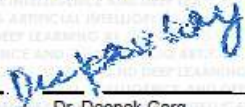**(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)**

INTERNSHIP COMPLETION CERTIFICATE

Date: 15/02/2021

Name: Yashvi Ashok Hiranandani

This is to certify that **Yashvi Ashok Hiranandani** was an intern in our organisation from 2nd December to 5th February, 2021 as a part of **Web Development Team**.

We would like to inform whomsoever concerned that she has successfully completed the internship.

We wish you all the best for all your future endeavours.

Sincerely and Regards,

Mr. Vikas Rathore

(HR Director, HOPE)

Regd. Office : E-249, New Minaal Residency, JK Road, Bhopal, Pin: 462023
Email : connect@hopeeverywhere.in | www.hopeeverywhere.in

Vivekanand Education Society's
Institute of Technology

INTERNSHIP COMPLETION CERTIFICATE

hope of people everywhere

Date: 15/02/2021

Name: Vishwesh Rajendra Jagtap

This is to certify that **Vishwesh Rajendra Jagtap** was an intern in our organisation from 2nd December to 5th February, 2021 as a part of **Web Development Team.**

We would like to inform whomsoever concerned that he has successfully completed the internship.

We wish you all the best for all your future endeavours.

Sincerely and Regards,

Mr. Vikas Rathore

(HR Director, HOPE)

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Sr.No. SI_20-380

BENNETT UNIVERSITY
TIMES OF INDIA GROUP
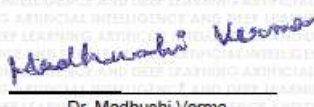
SUMMER INTERNSHIP
ON
ARTIFICIAL INTELLIGENCE AND DEEP LEARNING

LEADINGINDIA.AI

CERTIFICATE OF COMPLETION

This is to certify that **Surabhi Soni**

from **Vivekanand Education Society'S Institute Of Technology**

has successfully completed _____ **six** _____ weeks internship.

Duration _____ **11ᵗʰ May to 19ᵗʰ June** _____ 2020

Venue : Bennett University, Greater Noida (U.P.) India

Dr. Deepak Garg
Head Computer Science Engineering

Dr. Madhushi Verma
Internship Coordinator

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Since 1962

Demosthenes

Date: 20-06-2020

TO WHOM IT MAY CONCERN

This is to certify that Ms. Ajay Upendra Gupta has successfully completed his 2 month long internship at Stamurai(Demosthenes Technologies Pvt. Ltd.). Ajay worked on ReactJS, NodeJS and MongoDB during his tenure. For the entire period, we found Ajay to be extremely talented, hardworking and inquisitive. Ajay exceeded expectations and was always willing to perform any task. He always took the initiative and was extremely sincere in communicating the project updates. It was a pleasure working with Ajay.

Ajay would be a highly valuable asset to any organization.

We would like to thank him for his efforts and wish him all the best for all future endeavors.

Sincerely,

Demosthenes Technologies Pvt. Ltd.

Authorised Signatory

Harsh Tyagi
Co-Founder, Stamurai

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

INTERNSHALA

Schollverse Educare Pvt. Ltd.,
B-610, Unitech Business Zone,
Nirvana Country, South City 2,
Gurgaon, India - 122018

Date – 19/04/2021

TO WHOM IT MAY CONCERN

This is to certify that Aniket Pawar, a student of Vivekanand Education Society's Institute Of Technology Chembur Mumbai, was an active member of the Internshala's campus ambassador program - Internshala Student Partner (ISP) 21 during the period of February 2021 to April 2021.

At Internshala, we consider ISPs, our biggest strength when it comes to educating college students across the world about the power of internships and online trainings.

During this period, Aniket promoted Internshala and its products successfully and showed genuine sincerity and willingness to learn while taking on new assignments and challenges.

Aniket has proved to be a reliable and innovative professional and we wish the ISP good luck for all the future endeavours.

Kind regards,

Sarvesh Agrawal

Founder and CEO - Internshala

Contact at: isp-hiring@internshala.com

FOXMULA
THE SMART WAY

Date: Nov. 14, 2020   RID: BrqsUNuMg

TO WHOM IT MAY CONCERN

INTERNSHIP COMPLETION LETTER

We are glad to inform you that Ms. Shivani shenai from Vivekanand Education Society's Institute of Technology has successfully completed her internship at Foxmula under Inversion Consultancy LLP from **Sep. 15, 2020 — Nov. 14, 2020.**

During her internship, she was exposed to the various activities in the Machine Learning domain using Python, implementing Regression, Neural Networks, Recommendation engines, and many other skills. She had a good code of conduct during both training and project, displaying dedication. Also she was very much interested in getting into the depth of the concepts and technicalities involved to understand it better.

Her association with us was fruitful and we wish her all the best in her future endeavors.

With Regards,

Shubham Sharda
Chief Operating Officer
Foxmula

support@foxmula.com www.foxmula.com +91-96320 47066, 9353348535
RMZ Galleria, Yelahanka, Bengaluru, Karnataka 560064
Partner Network

SAP   IBM   CERTIPORT   aws   Microsoft

J U S T G E T I T

CERTIFICATE

Divesh Hariani
Vivekananda Education Society's Institute
ofTechnology
MOB No: +91- *9673602989*
Email: diveshharyani92@gmail.com

Ref No.: JGI200000143
Date: *23/09/2020*

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Mr. Divesh Hariani**, S/O Tarun Hariani; a student of *BE (Computer Engineering – 4th semester)*, Vivekananda Education Society's Institute of Technology, Mumbai, India, has successfully completed 01 (One) month (from 18th August, 2020 to 23rd September, 2020) internship on "Development of Website www.justgetit.co.in consultancy project of JUSTGETIT".

Mr. C Shekhar (Project Consultant) has guided him to complete the project. He has submitted his internship project report to the management and has completed following features of the website:

1. Flexible product subscription for users.
2. Provision for users to manage the subscriptions
3. User friendly calendar view to enable users to track and edit their subscriptions.
4. Payment schemes, Invoice.

During this period of his internship programme with us, he was found punctual, disciplined, dedicated, good at following instructions, having good command on his work, smart and hard-work balance as per task requirement and inquisitive. We wish him good luck in his future endeavors.

For JUSTGETIT Pvt. Ltd.

Mr. Nitish Kumar
Manager - HR
Email: hr@justgetit.in
Phone: +91-7209944953

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

राष्ट्रीय भारतीय युवा प्रतिष्ठान

الذين نيشتل يونه ڈازنڈيشن

INDIAN NATIONAL YOUTH FOUNDATION

working at one for the good of many"

Indian National Youth Foundation, works under the aegis of Youth Foundation of India,
Registered Under Societies Registrations Act XXI of 1860 in Lucknow, Uttar Pradesh, India with Registration No. 2869

Date: September 27, 2020   Ref No.: INYF/3WD/06

TO WHOM IT MAY CONCERNS

We are glad to inform you that **Paras Gurnani** from **Vivekananda Education Society's Institute of Technology, Chembur**, has successfully completed his internship at Indian National Youth Foundation from **June 22, 2020 to September 21, 2020.**

During his internship, Shubham has closely worked as a part of IT Team. Paras worked on various areas of website development and successfully met the objectives that were set at the beginning of the project.

We found him extremely inquisitive and hard working. He was very much interested to learn the functions of our core division and also willing to put his best efforts and get into the depth of the subject to understand it better.

His association with us was very fruitful and we wish him all the best in his future endeavours.

Thanking you,

Best Regards,

M. Shahnawaz Khan
CEO
Indian National Youth Foundation,
www.inyf.in

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Microsoft Partner

Knowledge Solutions India
Skill development| Certification| Placement prep

Ref KSI-VESIT-ML-0405-1506-09

Certificate of Internship

This is to certify that

AMIT VINOD JOSHI

of V.E.S. INSTITUTE OF TECHNOLOGY,CHEMBUR

Has successfully undergone a summer training & internship of 6 weeks on

MACHINE LEARNING WITH AI USING PYTHON

Along with project on

MOVIE RECOMMENDATION

From **04.05.2020** to **15.06.2020** with Knowledge Solutions India

Date of Issue
26/7/2020

Authorized Signatory
Kumar lala

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Since 1962

Microsoft
Partner

Knowledge Solutions India
Skill development | Certification | Placement prep

Ref KSI-VESIT-ML-0405-1506-14

Certificate of Internship

This is to certify that

PARTHESH PAWAR

of **V.E.S. INSTITUTE OF TECHNOLOGY,CHEMBUR**

Has successfully undergone a summer training & internship of 6 weeks on

MACHINE LEARNING WITH AI USING PYTHON

Along with project on

INSURANCE COST PREDICTION

From **04.05.2020** to **15.06.2020** with Knowledge Solutions India

Authorized Signatory
Kumar lala

Date of Issue
26/7/2020

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

V.E.S.
Since 1962

Microsoft Partner

Knowledge Solutions India
Skill development | Certification | Placement prep

Ref KSI-VESIT-ML-0405-1506-20

Certificate of Internship

This is to certify that

SHREYAS UDUPA

of **V.E.S. INSTITUTE OF TECHNOLOGY,CHEMBUR**

Has successfully undergone a summer training & internship of 6 weeks on

MACHINE LEARNING WITH AI USING PYTHON

Along with project on

MOVIE RECOMMENDATION

From **04.05.2020** to **15.06.2020** with Knowledge Solutions India

Date of Issue
26/7/2020

Authorized Signatory
Kumar lala

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Microsoft Partner

Knowledge Solutions India
Skill development| Certification| Placement prep

Ref KSI-VESIT-ML-0405-1506-13

Certificate of Internship

This is to certify that

YASHKUMAR JAIN

of **V.E.S. INSTITUTE OF TECHNOLOGY,CHEMBUR**

Has successfully undergone a summer training & internship of 6 weeks on

MACHINE LEARNING WITH AI USING PYTHON

Along with project on

INSURANCE COST PREDICTION

From **04.05.2020** to **15.06.2020** with Knowledge Solutions India

Date of Issue
26/7/2020

Authorized Signatory
Kumar lala

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Microsoft Partner

Knowledge Solutions India
Skill development | Certification | Placement prep

Ref KSI-VESIT-ML-0405-1506-27

Certificate of Internship

This is to certify that

SWARANGI JITENDRA DALI

of **V.E.S. INSTITUTE OF TECHNOLOGY,CHEMBUR**

Has successfully undergone a summer training & internship of 6 weeks on

MACHINE LEARNING WITH AI USING PYTHON

Along with project on

RESTAURANT REVIEWS

From **04.05.2020** to **15.06.2020** with Knowledge Solutions India

Date of Issue
26/7/2020

Authorized Signatory
Kumar lala

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Since 1962

Microsoft Partner

Knowledge Solutions India
Skill development | Certification | Placement prep

Ref KSI-VESIT-ML-0405-1506-19

Certificate of Internship

This is to certify that

SANKET NARENDRA JANGALE

of **V.E.S. INSTITUTE OF TECHNOLOGY,CHEMBUR**

Has successfully undergone a summer training & internship of 6 weeks on

MACHINE LEARNING WITH AI USING PYTHON

Along with project on

MOVIE RECOMMENDATION

From **04.05.2020** to **15.06.2020** with Knowledge Solutions India

Date of Issue
26/7/2020

Authorized Signatory
Kumar lala

B 2-Sample Field Project Completion Certificates

Vivekanand Education Society's
Institute of Technology

Department of Computer Engineering

Project Report on

Food Aayush

In partial fulfillment of the Fourth Year, Bachelor of Engineering (B.E.) Degree in Computer Engineering at the University of Mumbai Academic Year 2020-21

Submitted by

Naren Khatwani D17B 31

Adithya Shrivastava D17B 62

Raghav Potdar D17B 53

Rahul Sohandani D17B 65

Project Mentor

Prof. Richard Joseph

(2020-21)

Richard Joseph

1

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Certificate

This is to certify that name1,name2 of Fourth Year Computer Engineering studying under the University of Mumbai have satisfactorily completed the project on **"Food Aayush"** as a part of their coursework of PROJECT-II for Semester-VIII under the guidance of their mentor **Prof. Richard Joseph** in the year 2020-21

This thesis/dissertation/project report entitled **Food Aayush** by **Naren Khatwani, Adithya Shrivastava, Raghav Potdar, Rahul Sohandani** is approved for the degree of B.E. Computer Engg

Programme Outcomes	Grade
PO1, PO2, PO3, PO4, PO5, PO6, PO7, PO8, PO9, PO10, PO11, PO12 PSO1, PSO2	A

Date: 25/05/21

Project Guide: Prof. Richard Joseph

Richard Joseph
2

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Project Report Approval

For

B. E (Computer Engineering)

This mini project report entitled *Food Aayush* by **Naren Khatwani, Adithya Shrivastava, Raghav Potdar, Rahul Sohandani** is approved for the degree of B.E Computer Engg.

Internal Examiner

Mr. Richard Joseph

External Examiner

Online Exam

Dr. Uday Bave

Head of the Department

Principal

Date: 25|05|21

Place: Mumbai

Richard Joseph

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

B 3-Sample Mini Project Completion Certificates

Vivekanand Education Society's
Institute of Technology

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY
Department of Computer Engineering

Project Report on

Smart Supermarket System

In partial fulfillment of the Third Year, Bachelor of Engineering (B.E.) Degree in Computer Engineering at the University of Mumbai Academic Year

2020-2021

Submitted by

Ayush Wadhwa	(D12B-69)
Anand Pal	(D12B-41)
Akshay Motiyani	(D12B-37)
Pawan Lulla	(D12B-34)

Project Mentor

Mrs. Priya R.L

(2020-2021)

1

(Mrs. Priya. R.L)

70

Vivekanand Education Society's
Institute of Technology

Certificate

This is to certify that *Ayush Wadhwa, Anand Pal, Akshay Motiyani, Pawan Lulla* of Third Year Computer Engineering studying under the University of Mumbai have satisfactorily completed the mini project on **"Smart Supermarket System"** as a part of their coursework of Mini Project for Semester-VI under the guidance of their mentor *Prof.* Priya R.L in the year 2020-2021.

This mini project report entitled *"Smart Supermarket System"* by *Ayush Wadhwa, Anand Pal, Akshay Motiyani, Pawan Lulla* is approved for the degree of T.E Computer Engineering Program Outcome Course.

Program Outcomes	Grade
PO1,PO2,PO3,PO4,PO5,PO6,PO7, PO8, PO9, PO10, PO11, PO12, PSO1, PSO2	A

Project Guide: Mrs. Priya R.L

2

(Mrs.Priya.R.L)

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Vivekanand Education Society's
Institute of Technology

Mini Project:
Automated Status generation of College Due Clearance for pass out students

Submitted in partial fulfillment of the requirements of

the Second Year degree

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

By

Shrushti Govindwar/22

Sonali Bodhwani/11

Shruti Mehta/41

Kanchan Nathani/44

Ritika Khatri / 31

Supervisor

Prof. Mrs. Indu Dokare

Department of Computer Engineering

Vivekanand Education Society's Institute of Technology
HAMC, Collector's Colony, Chembur,
Mumbai–400074
University of Mumbai
(AY 2020-21)

CERTIFICATE

This is to certify that the Mini Project entitled " Automated Status generation of College Due Clearance for pass out students " is a bonafide work of **Shrushti Govindwar(22), Shruti Mehta(41), Sonali Bodhwani(11), Kanchan Nathani(44), Ritika Khatri(31)** submitted to the University of Mumbai in partial fulfillment of the requirement for the award of the degree of **"Bachelor of Engineering"** in **"Computer Engineering"** .

(Mrs. Indu Dokare)
Supervisor

Dr. (Mrs.) Nupur Giri
Head of Department

Dr. (Mrs.) J.M Nair
Principal

Mini Project Approval

This Mini Project entitled "Automated Status generation of College Due Clearance for pass out students" by **Shrushti Govindwar(22), Shruti Mehta(41), Sonali Bodhwani(11), Kanchan Nathani(44), Ritika Khatri(31)** is approved for the degree of **Bachelor of Engineering** in **Computer Engineering.**

Examiners

1. *Indu Dokare*
....
(Internal Examiner Name & Sign)

Online
Exam

2. *Dr.(Mrs) Deepali Vora*
....
(External Examiner name & Sign)

Date: 20/05/2021

Place: mumbai

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

C 1-Sample Communications & Reports –Internships

Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

C 2-Sample Communications & Reports-Field Project

Vivekanand Education Society's
Institute of Technology

Abstract

Food is an essential parameter that plays a crucial role in the survival of humans. It is also significant in depicting a country's culture. Healthy, nutritious, and high-quality food results in a better lifestyle and develops a person's immunity and health. Correspondingly, the consumption of low-quality food, which might be deprived of nutritional value, negatively impacts a person's health and makes them susceptible to various diseases. There is a persistent complaint in India, in any civic body-related food section about the quality of meals available. Likewise, the oil quality is also an essential factor while cooking any meal as it affects the taste of food, and the use of rancid oils in cooking may also be harmful to health. Therefore, the quality of oil used in frying the food must be monitored. Its continuous exposure to relatively high temperatures results in degradation of its merit. This study aims to build an application to determine the food quality and detect repeated frying on cooking oil based on its visual properties. Classification of food items is done based on time left for consumption, edibility, condition, color, and rancidity. The food items are additionally classified as stale or usable using artificial intelligence algorithms based on the images acquired through a smartphone's camera.

Richard Joseph

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Problem Statement

Food Safety and quality detection are an important portfolio in today's world. Commuters around the world travel daily for their work, therefore, these people have to eat food at canteens, pantries, and restaurants. However, the real problem arises when the quality of the food served in these places is questionable. According to the Financial Express, Food Safety and Standards Authority of India (**FSSAI**) invests $20 million annually for the safety and maintenance of the standard of food in India. Despite this heavy investment, food-borne diseases impose a $15 million cost on India annually. This stresses the need for an efficient and accurate food quality detection system. The basis of the contemporary food quality detection systems classification is only through image processing of the food items in contention, disregarding other factors such as the rancidity and usability of the cooking oils used. There is also an element of instability in the outcomes produced by the available products in the market. Thus, resulting in a lack of efficiency and accuracy.

Proposed Solution

Our proposed solution is to collectively use a CCD camera and a pH sensor to acquire high-quality images of food and to determine the pH of the food and to detect the freshness of the food. This analysis will be done using Image processing and AI. Our solution helps in determining the quality of food by combining factors like rancidity, staleness, and build-up of any sort of visible bacteria.
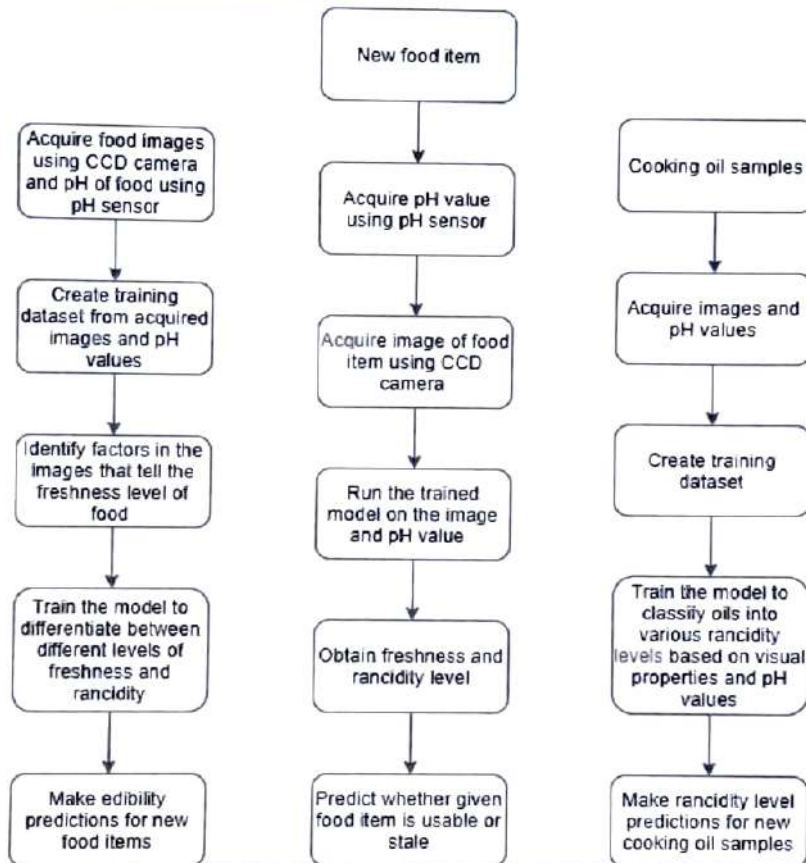
Methodology / Block Diagram

Hardware, Software and tools Requirements

Hardware	Software	Tools
CCD Camera	Arduino IDE	Python
pH Sensor	Raspbian OS	C programming
Arduino Board		Android Development
Raspberry Pi		

8.1 Limitations:

- Currently, the classification of the freshness of food items is limited to fruits and vegetables, and does not include other common food items such as bread.
- The calorie calculator feature tells the ideal calorie intake for a person based on gender only, and does not consider other factors such as age, height and weight.
- The heart disease map only gives information about popular Indian foods that may contribute to heart disease, and does not include foods from international cuisines.

8.2 Conclusion:

The proposed system will solve the problem of uncertainty of the quality of food and oils and will prove to be greatly useful as it will greatly reduce the risks of health related problems occurring from consumption of stale food, or from cooking food in rancid oils. The nutritional analysis feature will help people to keep track of their nutrient intake based on the foods that they consume throughout the day. Users can find the required amount of nutrients as per the daily calorie intake and can also find their ideal calorie intake as per their gender. This feature and the nutritional analysis feature will be impactful in helping people to consume an ideal healthy diet. Most people are unaware of the harmful combinations of foods. The food compatibility matrix will solve this issue by making people aware of these combinations, thus helping them to follow a healthy diet. The IFCT demographics feature would inform people about important nutrition-related information, such as the food items having highest amounts of certain nutrients, nutritional evaluation of non-vegetarian foods, and correlations between the presence of different nutrients in food. Using the medical condition demographics feature, people suffering from certain extremely common medical conditions would be able to get dietary suggestions in order to cure the condition or keep it in control. The system would thus be tremendously impactful in helping people to consume fresh and nutritious food, and also to maintain a healthy balanced diet according to their own requirements. Also, the system is convenient and inexpensive, therefore it will be easily accessible to people for everyday use.

Richard Joseph[75]

Proposed Evaluation Measures

There are various parameters on which the food authorities of various countries are dependent some of those are as follows:

- Accuracy of the Algorithm employed: The Algorithm or the model of classification has to be selected on the basis of the statistical analysis and initial visualization of the collected data and the eclectic dataset that is formed. The selected algorithm should be able to provide highly accurate classifications over the intended testing datasets.
- Matching the Expected Results: The Outcomes produced by the model should not deviate from the anticipated results.
- Parameters used by Food Quality detection Officers:
    a. Ingredient Quality - The quality of ingredients used for cooking is an important parameter that has to be considered for the evaluation of the edibility of a particular food item.
    b. Nutritional Requirements - The Food Item under consideration has to satisfy certain nutritional requirements posited by food security and safety officers.
    c. Sanitation Requirements - The tools used for cooking should maintain certain cleanliness standards required for the prevention of the growth disease-causing germs in the food items.
- Match or better Existing better: It is important to improve upon the existing models and systems which are being used for quality detection in order to minimize the shortcomings of the contemporary systems.

Conclusion

The yield of our project will be a mobile application working in unison with the algorithm on a server. This would enable a user to upload an image of the food item through the mobile application and get results within seconds. This will not only enable the developers to make changes remotely in the future but also divide the computing power needed. The UI of the application would be user friendly and a person will be able to readily use it with ease. This will let the user get an opportunity to explore the areas on their own.

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C 3-Sample Reports-Mini Project

Vivekanand Education Society's
Institute of Technology

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY
Department of Computer Engineering

Project Report on

Smart Supermarket System

In partial fulfillment of the Third Year, Bachelor of Engineering (B.E.) Degree
in Computer Engineering at the University of Mumbai Academic Year
2020-2021

Submitted by

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Project Mentor
Mrs. Priya R.L

(2020-2021)

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(Mrs. Priya.R.L)

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Mini Project Report Approval

For

T. E (Computer Engineering)

This mini project report entitled *"Smart Supermarket System"* by *Ayush Wadhw, Anand Pal, Akshay Motiyani, Pawan Lulla* is approved for the degree of T.E Computer Engineering.

Internal Examiner

Mrs. Priya R.L.

External Examiner

Dr. Uday Bhave

Head of the Department

Principal

Date: 21/5/2021 Exam

Place: Online Exam

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(Mrs. Priya R.L)

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Vivekanand Education Society's
Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Mini Project:
Automated Status generation of College Due Clearance for pass out students

Submitted in partial fulfillment of the requirements of

the Second Year degree

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING

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(AY 2020-21)

1. INTRODUCTION

1.1 Introduction

This is a project based on product designing and development. We are creating a website for automated status generation of college due clearance form for pass out students. This will help the teachers to clear the dues from different departments in no time and in one go.

The is automated status generation of college due clearance form for pass out students record management and informative system that provides up-to-date information about all the students. This includes the number of students passed out with clearing the dues from college, eligible for higher studies, interested. Thus managing so many fields becomes a tedious chore. This system helps the college to overcome the difficulties in managing hundreds of student records and searching for a student eligible for giving a green signal for clearing dues criteria.

The increasing advantages of the record systems now are at the highest position thus many manual processes are effectively managed. The system which is of major importance is the automated status generation of college due clearance form for pass out students for campus recruitment. The use of the Internet and the World Wide Web has revolutionized the provision of information and the facility for the user to take action on the information obtained. This led to a unique web-based placement record system. The administrator registration is enabled. This system would maintain the student data, sort them according to the percentage, and even generate a status. Complete statistical data would be stored and managed effectively with less time consumption.

3.6 Conclusion and Future work:

So , after looking at the present situation of clearance form and its drawbacks we have tried to eradicate most of it. In future we wish to incorporate more such things with the website. Any paper work can be brought online and made easier.

The project "Automated status generation of College Due Clearance for pass out students" as the name suggests it is a web-based record system where due records and related details of our college can be stored. Reports are generated statistically. Basically, our system is login restricted which directs us to the home page that contains five main web pages, they are about the student's departments, their section, excel sheet containing their name, clearance record, marks submission button and for viewing the status. The proposed online placement record system covers all the processes like interesting, updating, searching. It provides a detailed solution to the limitations of the existing system.

In the proposed Web-based placement record system there is scope for improvement of the system. The system is not providing Email integration. Hence, it can be modified to give Email integration. In the future, we can place the system on the cloud so the maintenance of the data can be reduced. The due clearance system will integrate with the online system so the students status can be generated automatically.

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