L. D. College of Engineering, Ahmedabad-380015
Computer Engineering Department,
KAIZEN 2K21
Departmental Report

Date: 23/4/2021

KAIZEN 2K21 – "continuous improvement "event was organized in our department on 19th and 20th April, 2021 online mode where 150 students from UG - BE in Computer Engineering and 17 students from PG - ME in Computer Engineering have participated in project demonstration -open house project exhibition.

There were 47 projects from UG n 17 from PG in exhibition and evaluated by industry & academic experts.

Details are following:

No of students participated: 150(UG) + 17 (PG)

No of projects: 47(UG) + 17 (PG)

Experts:

Sr No.	Name	Post	Organization
1	Prof. Mr Swapnil Panchal	Professor, IT Deprt.	Gandhinagar Institue of Technology
2	Mr. Sagar H Gupte	Solution Consultant APAC	Jaggaer
3	Mr Deep Patel	Co-Founder & COO	Zybra Private Limited
4	Sanjay makwana	Full stack Shopify developer	Avid Brio LLP

Tracks : 8 (2 PG + 6 UG)

Timing: 1.30pm onwards on 19/4/2021 & 20/4/2021

Platform /mode: Online on MSTeam.

Sr No	Links	BE/ME	Tracks	Date	Time
1	https://bit.ly/2Q6GV3a	ME	track1	19th April,2021	1.30PM onwards
2	https://bit.ly/32okeKx	ME	track2	19th April,2021	1.30PM onwards
3	https://bit.ly/3snkV19	BE	track3	19th April,2021	1.30PM onwards
4	https://bit.ly/3dqPtLo	BE	track4	19th April,2021	1.30PM onwards
5	https://bit.ly/2Q8nKpQ	BE	track5	20th April, 2021	1.30PM onwards
6	https://bit.ly/3ajwVe1	BE	track6	20th April, 2021	1.30PM onwards
7	https://bit.ly/3e7tckO	BE	track7	20th April, 2021	1.30PM onwards
8	https://bit.ly/3dmOXhe	BE	track8	20th April, 2021	1.30PM onwards

PG projects: Track 1 & 2

Track	Enrollment No	Name	Guide Name	Dissertation Title
1	190280702001	ADITYA R MISHRA	Prof. B. A. Oza	Article Summarization using text reduction techniques
1	190280702002	BHATT MEGHNA JAYESHBHAI	Prof. J. K. Dave	Efficient and confidentiality preserving proof of ownership for deduplicated cloud storage system
1	190280702004	BHUSARA ARCHANAKUMAREE DINESHBHAI	Prof. P. V. Pancholi	Sentiment Analysis of Social Media Data on critical events using ML techniques
1	190280702006	Dhritesh Patel	Prof. P. R. Dave	Live Subtitle generation
1	190280702007	GOSWAMI JAIMIN JAGDISHGIRI	Prof. M. K. Shah	Deep learning based conversational question answering system
1	190280702008	Khushbu A Chauhan	Prof. B. H. Trivedi	Lightweight intrusion detection system for IoT botnets using ML
1	190280702009	MEHTA SHILPA VINOD	Prof. H. A. Joshiyara	Improving a QoS parameter for Load Balancing in Cloud Computing Environment
1	190280702010	Namrata Govind Ambekar	Prof. R. Jaiswal	Use of Comprehensive Technique for Preserving Privacy in Data Mining
2	190280702011	PANCHOLI DEEP DHARMESHBHAI	Prof. J. K. Dave	Secure and efficient key management for deduplicated cloud storage system
2	190280702012	Patel Hemalben Mukeshkumar	Prof. N. H. Domadiya	Privacy preserving association rule mining approaches for vertically partitioned data
2	190280702013	Patel Jini Ajitbhai	Prof. R. Jaiswal	Enhancing a load balancing algorithm with the use of data deduplication
2	190280702014	PATEL SANKET CHANDRAKANT	Prof. P. D. Salot	Pothole detection using enhanced Object detection
2	190280702016	RANA ZALAK NILESHBHAI	Prof. P. G. Patel	Improve performance of data privacy in electronics health records system using blockchain
2	190280702018	SHAH POOJAN VIPULBHAI	Prof. T. A. Champaneria	Prediction of missing sensor data using ML for IoT
2	190280702019	SHAH ROHAN JIGNESHKUMAR	Prof. H. A. Joshiyara	Enhancement in Face detection and Recognition techniques
2	190280702020	TADVI ANJALIBEN ARVINDBHAI	Prof. Z. Y. Noorani	Reducing the complexity in Iot device with lightweight Cryptography Technique /Algo
2	190280702021	Tandel Daksh Ashokkumar	Prof. Y. B. Patel	Cloud Computing Load Balancing using Genetic and Index Approach

UG Projects:

Faculty Coodinator : Prof Reshma Dayma				Track: 3		Student coordinator: Mandli Roshni Sudhirbhai + BHARGAV VANRA
Date : 19/4/2021				Time: 1.30PM onwards		
Group No	**Track**	**Project Title**	**Team Leader Name**	**Team Leader EnrollNo**		**Project Guide**
1	3	Assumere	Ankit Karande	170280107046		Prof HBPandya
			Rajat Leuva	170280107052		
			Nikhil Nelli	170280107061		
2	3	AugPlace	Chaudhari Dhruvin Meghjibhai	170280107012		Prof PRDave
			Makvana Parag Vitthalbhai	170280107053		
			Panagar Jinay Gaurangbhai	170280107062		
			Panchal Manthan Manubhai	170280107064		
3	3	Automatic text summarization of news article	ANKITA TAVIYAD	170280107116		Prof MKShah
			REVATI TRIVEDI	170280107118		
			KHUSHEE UPADHYAY	170280107119		
4	3	Book4U	Gosai Jaygiri Rameshgiri	170280107038		Prof BAOza
			Jani Chiragkumar Nathabhai	170280107042		
			Kalasava Tejaskumar Mohanbhai	170280107044		
			Parmar Aashutosh Dahyabhai	170280107067		
5	3	Brain Tumor Detection	Keval Chauhan	170280107017		Prof PRDave
			Ayushi Mistry	170280107057		
6	3	Caption bot for Assistive Vision	RUTVIK PRAJAPATI	170280107094		Prof PrachiPancholi
			BHARGAV VANRA	170280107122		
			SAUMIL VACHCHETA	170280107122		
			DHRUV VARU	170280107123		
7	3	ClickAway	Mandli Roshni Sudhirbhai	180283107010		Prof PinalSalot
			Ranipa Neha Shaileshbhai	180283107018		
			Sonpal Shreya Piyushkumar	180283107027		
8	3	Customer Behavior Evaluation	Avadh Patel	170280107071		Prof AmitaShah
			Sanket Patel	170280107086		
			Malav Shah	170280107107		
			Shrey Savsani	180283107020		

Faculty Coodinator : Prof YogeshPatel				Track: 4		Student coordinator: PUJARA SHLOK + RAJ SANGHAVI
Date : 19/4/2021				Time: 1.30PM onwards		
Group No	**Track**	**Project Title**	**Team Leader Name**	**Team Leader EnrollNo**		**Project Guide**
10	4	Deepfake Generation and Recognition	PUJARA SHLOK	170280107096		Prof YogeshPatel
			RAJ SANGHAVI	170280107101		
			MANAV SHAH	170280107108		
			SUTHAR SHALIN KALPESHBHAI	170280107114		
11	4	Dive In Unemployment	Nisha Chavda	180283107005		Prof PrachiPancholi
			Juhi Pariyal	180283107013		
12	4	Don't Loose Hope	Patel Fenil Pravinkumar	170280107075		Prof TAChampaneriya
			Patel Harshkumar Rajeshbhai	170280107077		
			Purohit Jay Pankajbhai	170280107097		
			Shah Dhwanish Keyurbhai	170280107106		
13	4	Electricity bill calculating and monitoring web application	Akruwala yash	170280107002		Prof ZYNoorani
			Jha Shweta Ravishankar	170280107043		
			Modi Dhruvi	170280107058		
14	4	Electronic Waste Management System	Darji Dhruv Nareshkumar	170280107023		Prof HAJoshiyara
			Gohel Khushi Dipakbhai	170280107034		
			Patel Parth D.	170280107085		
			Patel Shubham R.	170280107087		
15	4	FACE RECOGNITION BASED ATTENDANCE SYSTEM	DHARA FUMAKIYA	180283107007		Prof KMPatel
			PATEL DEVANSHI	180283107015		
			SUMEETKAUR SAUND	180283107019		
			SHAH RIYA	180283107024		
16	4	Fake News Detector - A Complete Solution	Parmar Mohit B.	170280107068		Prof HAJoshiyara
			Shivam Pavani	170280107090		
			Krunal Priyadarshi	170280107095		

Faculty Coodinator : Prof NikunjDomadiya				Track: 5		Student coordinator: Kalathiya Brijesh Sureshbhai + Kavar Jaydipkumar Pravinbhai
Date : 20/4/2021				Time: 1.30PM onwards		
Group No	**Track**	**Project Title**	**Team Leader Name**	**Team Leader EnrollNo**		**Project Guide**

17	5	Gender and age detection system	Siddharth Pansuria	160280107067		Prof YogeshPatel
			Dave Raj	170280107025		
			Parmar Saumykumar	170280107069		
			Dhruv Patel	170280107074		
18	5	Gesture based Hologram	Maharshi Gohel	170280107035		Prof HAJoshiyara
			Pratik Senjaliya	170280107105		
			Malav Shah	180283107023		
19	5	Grocery on Safeway	GOHIL MANALI H.	170280107037		Prof AmitaShah
			BALDANIYA PAYAL B.	180283107001		
			CHAUDHARI HARSHA S.	180283107003		
20	5	Homion	Amareliya Hardik Ashwinbhai	170280107003		Prof RJayswal
			Dangi Harshil Bikesh	170280107003		
			Dodiya Dixit Rameshbhai	170280107029		
			Makwana Ronak Pravinbhai	170280107054		
21	5	I4India	Dave Aishwarya i	170280107024		Prof AmitaShah
			Kumrecha Govind	170280107051		
			Panchotiya Vaibhavi	170280107066		
			Patel Jeet Jayantibhai	170280107081		
22	5	Image Description System	Kalathiya Brijesh Sureshbhai	170280107045		Prof NikunjDomadiya
			Kavar Jaydipkumar Pravinbhai	170280107048		
			Patel Hitkumar Sanjaykumar	170280107080		
23	5	Image Inpainting using Deep Learning	Bhalodiya Brijesh Bharat Bhai	170280107007		Prof HiteshRajpoot
			Pillai Ashwinkumar Ajithkumar	170280107091		
			Sheth Chintan Sanjaybhai	170280107110		
24	5	Intkut - Deepfake Detection	Iliyas Murtuza Attarwala	170280107005		Prof TAChampaneriya
			Babariya Dhruvkumar	170280107006		
			Monil Pareshkumar Bhavsar	170280107009		
			Chaudhary Aman Salilkumar	170280107016		

Faculty Coodinator : Prof HKGevariya				Track: 6		Student coordinator: Hardi Sanghavi + Meeti Shah
Date : 20/4/2021				Time: 1.30PM onwards		
Group No	**Track**	**Project Title**	**Team Leader Name**	**Team Leader EnrollNo**		**Project Guide**
25	6	Lung Cancer Detection using ML	Hardi Sanghavi	170280107102		Prof HKGevariya
			Meeti Shah	170280107109		
			Jinal Sutaria	170280107112		
			Ritu Vishwakarma	170280107125		
26	6	Medicom	Rajesh sinha	160280107110		Prof PinalSalot
			Mayank Taral	170280107115		
			Malivad Rohitbhai	180283107009		
			Parmar Jigarbhai S	180283107014		
27	6	Omnicare	Rathod Nirali Ashokbhai	170280107099		Prof PRDave
			Himani Solanki	170280107111		
			Sourav Gupta	170280107127		
			Deepak Koul	170280107129		
28	6	Online Application For Hospital Management	GAIN KENAN BHARATBHAI	170280107030		Prof VBVaghela
			GOHEL PARTH ANILBHAI	170280107036		
			HADIYAL MAYANKKUMAR HARSHADBHAI	170280107039		
29	6	Online Education System	Dhameliya Yash Ashokbhai	170280107027		Prof PnialSalot
			Mavani Shreyas Satishbhai	170280107055		
			Nakarani Jigar Ghanshyambhai	170280107059		
			Vasani Radhika bhikhabhai	170280107124		
30	6	Online OPD Appointment and Hospital Information System	Nayi Rahulkumar Pravinbhai	170280107060		Prof YogeshPatel
			Panchal Darshan Prakashbhai	170280107063		
			Patel Kush Ramjibhai	170280107083		
			Prajapati Chakshu Sureshbhai	170280107092		
31	6	Online Vehicle Renting System	Bhil Nikunjbhai Babubhai	170280107011		Prof VBVaghela
			Chaudhari Rutik Kalyanbhai	170280107015		
			Vansil Rakeshkumar Chauhan	170280107019		
32	6		Meet Patel	170280107084		Prof MKShah

		Person Recognition using Soft Biometrics	Dhyey Savaliya	170280107104		

Faculty Coodinator : Prof JayDave				**Track: 7**		**Student coordinator: Diyora Bhadresh Govindbhai + Shah Hardik HiteshBhai**
Date : 20/4/2021				**Time: 1.30PM onwards**		
Group No	**Track**	**Project Title**	**Team Leader Name**	**Team Leader EnrollNo**		**Project Guide**
33	7	Phonopital	Khatik Chetan Vasantbhai	180283107008		Prof PGPatel
			Shah Hardik HiteshBhai	180283107021		
			Shaikh Mo. Arbaz Mo.Ishak	180283107025		
			Swetank Upadhyay	180283107028		
34	7	Plant Disease Detection using Machine Learning	Diyora Bhadresh Govindbhai	170280107028		Prof JayDave
			Rathod Pratik Thakorbhai	170280107100		
			Borse Harshal Panjabbhai	180283107002		
			Agravat Sagar Kamleshbhai	170280107001		
35	7	Power consumption monitoring	Akruwala Yash Rajanbhai	170280107002		Prof ZYNoorani
			Jha shweta	170280107043		
			Modi dhruvi	170280107058		
36	7	Project Netra	Greeshm Chodvadiya	180283107006		Prof PGPatel
			Modi Mohit Navinchandra	180283107011		
			Darshan Vala	180283107030		
			Umang Zala	180283107031		
37	7	Pushkr - Push Notifications	Monik Bhesaniya	170280107010		Prof TAChampaneriya
			Chirag Desai	170280107026		
			Yash Panchal	170280107065		
38	7	Quick fare grocery	Devanshi Chudasma	170280107021		Prof PGPatel
			Harsh patel	170280107076		
			Het patel	170280107078		
			Krimal patel	170280107082		
39	7	Social Distancing	Bhambhani Prashantkumar Mayadevi	170280107008		Prof JayDave

		Violation Detection	Gajjar Smit Harishbhai	170280107031		
			Mehta Paras Hiren	170280107056		
			Thakkar Vatsal Sanjaykumar	170280107117		
40	7	Social Media Image Captioning	Purohit Aditya M	180283107017		Prof MKShah
			Shah Jainam D	180283107022		
Faculty Coodinator : Prof HiteshRajpoot				**Track:8**		**Student coordinator: Gevariya sahil Dilipbhai + Rakholiya Akshay Mansukhbhai**
Date : 20/4/2021				**Time: 1.30PM onwards**		
Group No	**Track**	**Project Title**	**Team Leader Name**	**Team Leader EnrollNo**		**Project Guide**
41	8	Studentbells	Asari Kittimkumar Babubhai	170280107004		Prof BAOza
			Chaudhari Krishnakumari Uttambhai	170280107014		
			Halpati Vibhutiben Ashokbhai	170280107041		
			Patel Dhruti Laljibhai	170280107073		
42	8	The AI	PATEL UMANG JASWANTBHAI	170280107089		Prof HBPandya
			PRAJAPATI PIYUSH KAILASHBHAI	170280107093		
			ZALA JAYPALSINH KANUSINH	170280107126		
43	8	Training and Placement cell management	Gevariya sahil Dilipbhai	170280107033		Prof HKGevariya
			Rakholiya Akshay Mansukhbhai	170280107098		
			Chavda Ashvini Hasmukhbhai	180283107004		
44	8	Travel Inaformation system	Heli Dilipkumar Thakkar	180283107029		Prof PGPatel
45	8	TRENDZO	Mohil Parmar	140280107060		Prof MKShah
46	8	CyberHack	Jayanti Karn	170280107132		Prof KMPatel
			Abhishek Kamalia	170280107130		
			Jay Bamania	170280107128		
			Ruchi Patel	170280107131		
47	8	pet care house	Solanki Nisha Amarabhai	180283107026		Prof RJayswal

Result:

ReportSheet Kaizen-2021 : BE Computer Engineering						
Track Coodinator : Prof. Reshma Dayma				Track: 3	Expert 1: Mr. Deep Patel	
Prof Yogesh Patel				Track: 4	Expert 2: Mr. Sanjay Makwana	
Prof Nikunj Domadiya				Track: 5	Expert 3: Mr Swapnil Panchal	
Prof. H. K. Gevariya				Track: 6	Expert 4: Mr Sagar Gupte	
Prof. jay Dave				Track: 7	Expert 5: Mr. Deep Patel	
Prof. H D Rajpoot				Track: 8	Expert 6: Mr. Sanjay Makwana	
Date : 19/4/2021(Track 3 & 4) & 20/4/2021(Track 5,6,7 & 8)				Time: 1.30PM onwards		
Group No	**Track**	**Title**	**Student Name**	**Enrollno**	**Guide name**	**Rank**
24	5	Intkut - Deepfake Detection	Iliyas Murtuza Attarwala	170280107005	Prof TAChampaneriya	1
			Babariya Dhruvkumar	170280107006		
			Monil Pareshkumar Bhavsar	170280107009		
			Chaudhary Aman Salilkumar	170280107016		
5	3	Brain Tumor Detection	Keval Chauhan	170280107017	Prof PRDave	2
			Ayushi Mistry	170280107057		
10	4	Deepfake Generation and Recognition	PUJARA SHLOK	170280107096	Prof YogeshPatel	3
			RAJ SANGHAVI	170280107101		
			MANAV SHAH	170280107108		
			SUTHAR SHALIN KALPESHBHAI	170280107114		

32	6	Person Recognition using Soft Biometrics	Meet Patel	170280107084	Prof MKShah	4
			Dhyey Savaliya	170280107104		
3	3	Automatic text summarization of news article	ANKITA TAVIYAD	170280107116	Prof MKShah	4
			REVATI TRIVEDI	170280107118		
			KHUSHEE UPADHYAY	170280107119		
			Panchal Manthan Manubhai	170280107064		
15	4	FACE RECOGNITION BASED ATTENDANCE SYSTEM	DHARA FUMAKIYA	180283107007	Prof KMPatel	4
			PATEL DEVANSHI	180283107015		
			SUMEETKAUR SAUND	180283107019		
			SHAH RIYA	180283107024		
46	8	CyberHack	Jayanti Karn	170280107132	Prof KMPatel	5
			Abhishek Kamalia	170280107130		
			Jay Bamania	170280107128		
			Ruchi Patel	170280107131		
42	8	The AI	PATEL UMANG JASWANTBHAI	170280107089	Prof HBPandya	6
			PRAJAPATI PIYUSH KAILASHBHAI	170280107093		
			ZALA JAYPALSINH KANUSINH	170280107126		

ReportSheet Kaizen-2021 : ME Computer Engineering		
Faculty Coodinator : Prof. P. D. Salot, Prof Amita Shah	**Track: 1 & 2**	**Student coordinator: BHATT MEGHNA ,MEHTA SHILPA**
Date : 19/4/2021	**Time: 1.30PM onwards**	**Expert 1: Mr Swapnil Panchal**
Expert Team : Prof Hetal Pandya, Prof Kalpesh Patel		**Expert 2: Mr Sagar Gupte**

Group No	Track	Enrollment No	Name	Guide Name	Dissertation Title	Review Committe	Contact number	RANK
15	2	190280702019	SHAH ROHAN JIGNESHKUMAR	Prof. H. A. Joshiyara	Enhancement in Face detection and Recognition techniques	Prof. P. V. Pancholi + Prof. H. A. Joshiyara + Prof. R. Jaiswal	9558948411	**1**
8	1	190280702010	Namrata Govind Ambekar	Prof. R. Jaiswal	Use of Comprehensive Technique for Preserving Privacy in Data Mining	Prof. P. V. Pancholi + Prof. H. A. Joshiyara + Prof. R. Jaiswal	7721807445	**2**
1	1	190280702001	ADITYA R MISHRA	Prof. B. A. Oza	Article Summarization using text reduction techniques	Prof. B. A. Oza + Prof. J. K. Dave + Prof. P. R. Dave	8140241991	**3**
6	1	190280702008	Khushbu A Chauhan	Prof. B. H. Trivedi	Lightweight intrusion detection system for IoT botnets using ML	Prof. N. H. Domadiya + Prof. Z. Y. Noorani + Prof. Y. B. Patel	9925811344	**3**
10	2	190280702012	Patel Hemalben Mukeshkumar	Prof. N. H. Domadiya	Privacy preserving association rule mining approaches for vertically	Prof. N. H. Domadiya + Prof. Z. Y. Noorani + Prof. Y. B. Patel	7043166453	**3**

					partitioned data			
12	2	190280702014	PATEL SANKET CHANDRAKANT	Prof. P. D. Salot	Pothole detection using enhanced Object detection	Prof. P. V. Pancholi + Prof. H. A. Joshiyara + Prof. R. Jaiswal	7201994148	**3**
14	2	190280702018	SHAH POOJAN VIPULBHAI	Prof. T. A. Champaneria	Prediction of missing sensor data using ML for IoT	Prof. M. K. Shah + Prof. T. A. Champaneria + Prof. P. G. Patel	7359709747	**3**
4	1	190280702006	Dhritesh Patel	Prof. P. R. Dave	Live Subtitle generation	Prof. B. A. Oza + Prof. J. K. Dave + Prof. P. R. Dave	9773035145	**4**
5	1	190280702007	GOSWAMI JAIMIN JAGDISHGIRI	Prof. M. K. Shah	Deep learning based conversational question answering system	Prof. M. K. Shah + Prof. T. A. Champaneria + Prof. P. G. Patel	7359585198	**5**
7	1	190280702009	MEHTA SHILPA VINOD	Prof. H. A. Joshiyara	Improving a QoS parameter for Load Balancing in Cloud Computing Environment	Prof. P. V. Pancholi + Prof. H. A. Joshiyara + Prof. R. Jaiswal	7387753372	**5**

3	1	190280702004	BHUSARA ARCHANAKUMAREE DINESHBHAI	Prof. P. V. Pancholi	Sentiment Analysis of Social Media Data on critical events using ML techniques	Prof. P. V. Pancholi + Prof. H. A. Joshiyara + Prof. R. Jaiswal	8866519812	**6**

Winners:

UG :

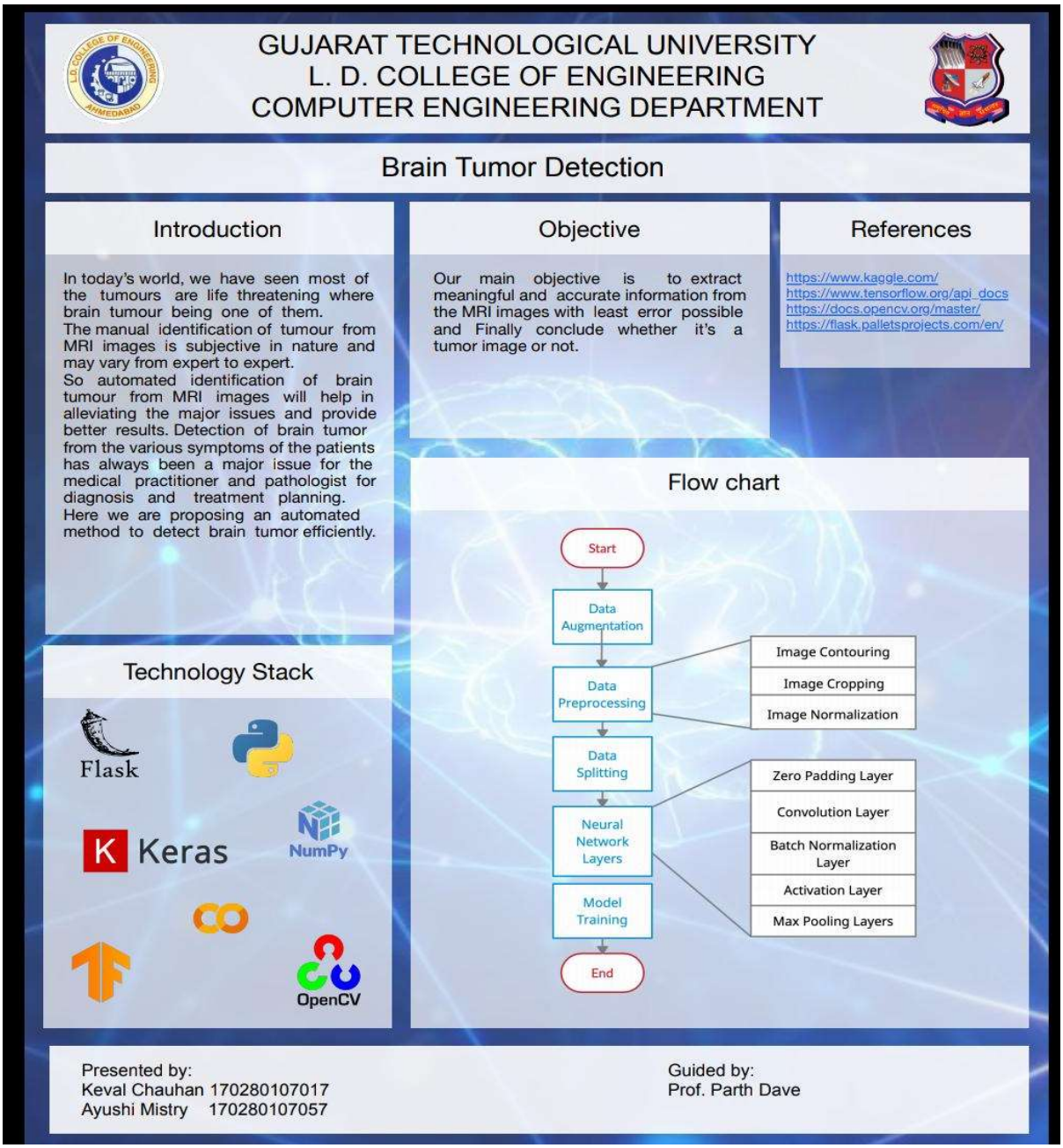
1. Intkut - Deepfake Detection	The main perspective of "Intkut" is to provide a solution that can detect fake videos with the help of convolutional neural networks. deep fake media is generated using various deep learning techniques like GAN, VFX, and masking techniques which seem realistic and which a human eye cannot differentiate and hence the name deep learning + fake video = deepfake. This technology has a huge impact on how people perceive information. Our project's main goal is to detect these videos and images beforehand to reduce the negative impact they can create on society and minimize the damage. This application can be used by social media companies, media news companies, and the government to reduce fake videos and decrease the proportion of fake news. A multi-layered convolutional neural network is trained on a huge pre-processed and augmented data set that detects deep fake images and video
2. Brain Tumor Detection	Nowadays we have seen most tumors are life-threatening where brain tumors being one of them. As we know that brain tumors can be of any shape, size, location, and intensity, therefore it is very difficult to detect tumor and diagnose it. The manual identification of tumors from MRI images is subjective in nature and may vary from expert to expert depending on their expertise and other factors which include lack of specific and accurate quantitative measures to classify the MRI images as it is a brain tumor or not. Detection of brain tumors from the various symptoms of the patients has always been a major issue for the medical practitioner and pathologist for diagnosis and treatment planning. It is also a fact that some tests may be time-consuming and it gives workloads and difficulty for the pathologists to obtain the accuracy of the presence of the tumor. We are proposing an automated method for the identification of brain tumors with the help of AI. So automated identification of brain tumor from MRI images help in alleviating the major issues and provide better results. We are using TensorFlow, Keras, OpenCV, Python and Flask as our Technology Stack.

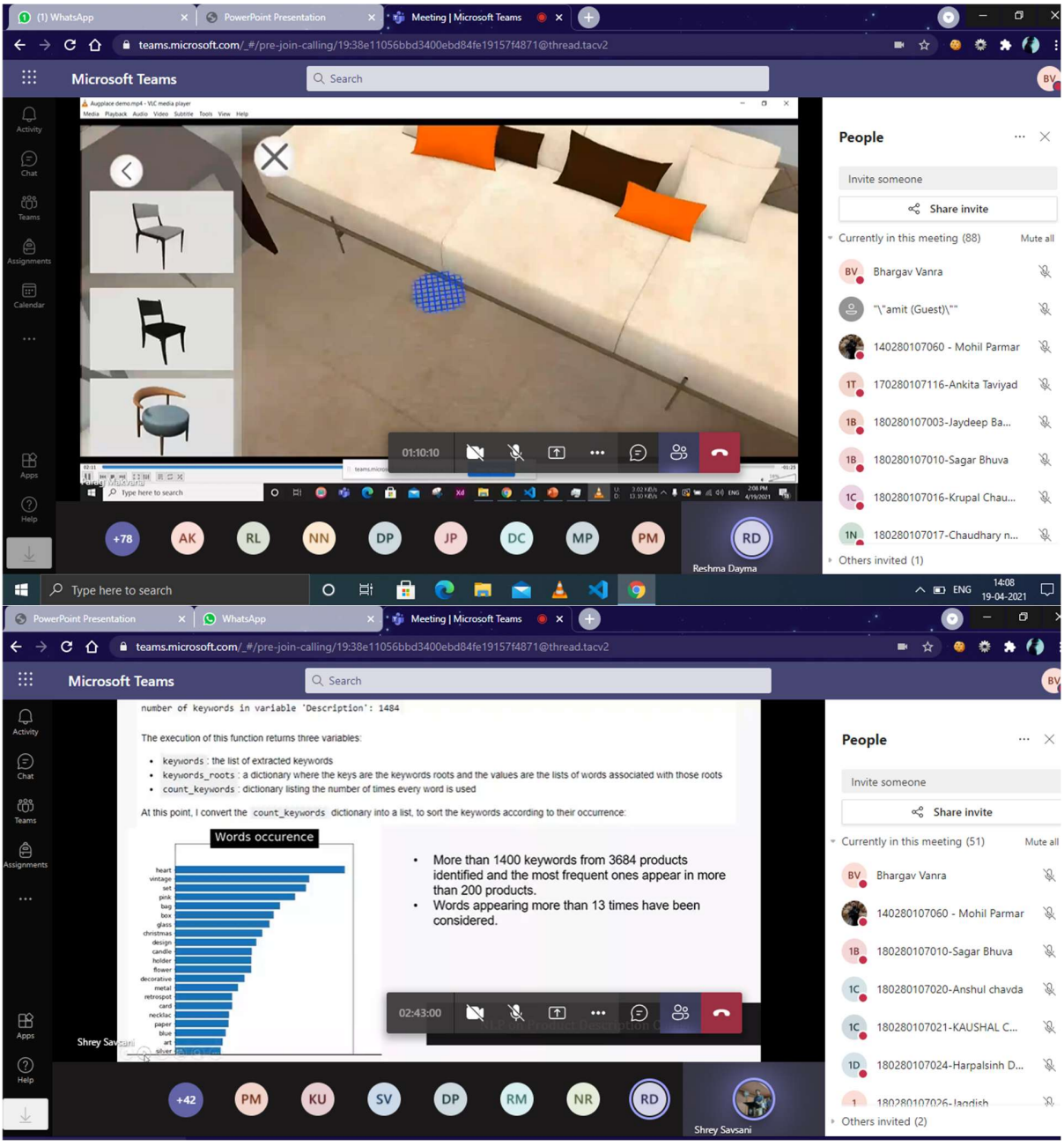
3. Deepfake Generation and Recognition	A Deepfake refers to a specific kind of synthetic media where a person in an image or video is swapped with another person's likeness. Deepfake content is created by using two competing AI algorithms -- one is called the generator and the other is called the discriminator. The generator, which creates the phony multimedia content, asks the discriminator to determine whether the content is real or artificial, together called GAN (GENERATIVE ADVERSIAL NETWORK). Deepfake can be used in various fields related to entertainment, films, animations, vfx, advertisement, etc. It can also be used for hoax and frauds if used in wrong way. We can detect and classify Deepfake video/images using Artificial Intelligence too. We use CNN and LSTM to train machine learning model to identify artefacts in a video frames and thus fake video can be recognized. Such Deepfake detector can be a boon for preventing spread of fake news and videos. The use of RexNet 50 to strengthen accuracy and confidence of our model. First we provided functionality to create a face imposed Deepfake using input image and video using a GAN trained on VOXCELEB dataset. Alongside we hosted a Django based website to take input suspect video and classify it using RexNet, CNN and LSTM. The model trained with MESONET dataset gives upto 94% confidence working on 10 frames split videos.

PG Project:

1	Enhancement in Face detection and Recognition techniques Since the era of IOT has begun, cameras among other sensory devices have become an integral part of the information revolution. Detection and recognition through these devices not only make legacy systems more efficient but also able to address and solve new problems that come with modern times. Face detection and recognition is advancing promptly more than ever. Here, we scrutinize a handful of facial detection and recognition algorithms and compare them with respect to their accuracy, execution time and other significant parameters. Accuracy of the algorithms are derived from the images as well as real time feed through the camera. Face recognition involves numerous steps like face detection, pre-processing, feature extraction or embedding generation, and classification. We have reviewed detection, embedding generation techniques, and we have conferred about pre-processing as well. Lastly, we have compared experimental results.

Event Photos




(1) WhatsApp
PowerPoint Presentation
Meeting | Microsoft Teams
teams.microsoft.com/_#/pre-join-calling/19:38e11056bbd3400ebd84fe19157f4871@thread.tacv2
Microsoft Teams
Search
People
Invite someone
Share invite
Currently in this meeting (88)
Mute all
Bhargav Vanra
"\"amit (Guest)\""
140280107060 - Mohil Parmar
170280107116-Ankita Taviyad
180280107003-Jaydeep Ba...
180280107010-Sagar Bhuva
180280107016-Krupal Chau...
180280107017-Chaudhary n...
Others invited (1)
01:10:10
Reshma Dayma
Type here to search
ENG
14:08
19-04-2021
PowerPoint Presentation
WhatsApp
Meeting | Microsoft Teams
teams.microsoft.com/_#/pre-join-calling/19:38e11056bbd3400ebd84fe19157f4871@thread.tacv2
Microsoft Teams
Search
number of keywords in variable 'Description': 1484
The execution of this function returns three variables:
keywords : the list of extracted keywords
keywords_roots : a dictionary where the keys are the keywords roots and the values are the lists of words associated with those roots
count_keywords : dictionary listing the number of times every word is used
At this point, I convert the count_keywords dictionary into a list, to sort the keywords according to their occurrence:
Words occurence
heart
vintage
set
pink
bag
box
glass
christmas
design
candle
holder
flower
decorative
metal
retrospot
card
necklac
paper
blue
art
silver
More than 1400 keywords from 3684 products identified and the most frequent ones appear in more than 200 products.
Words appearing more than 13 times have been considered.
02:43:00
Shrey Savsani
People
Invite someone
Share invite
Currently in this meeting (51)
Mute all
Bhargav Vanra
140280107060 - Mohil Parmar
180280107010-Sagar Bhuva
180280107020-Anshul chavda
180280107021-KAUSHAL C...
180280107024-Harpalsinh D...
Others invited (2)

posterfinal-conv...

L.D. COLLEGE OF ENGINEERING

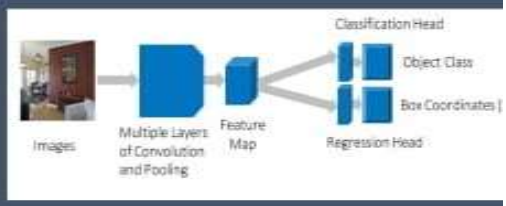
COMPUTER ENGINEERING DEPARTMENT

CAPTIONBOT FOR ASSISTIVE VISION

INTRODUCTION

- Nowadays, many visually impaired people still using blind man's stick to sense the road of the direction and object in front of them in this society.
- With just only a plain stick and a pair of covered eye, it is difficult for a human to get sense of their direction. Probably, they would not know what the objects around the people which had been blinded eye.
- In this case, for all the handicap people especially blind people, they have to get use to it on their living style. In order than that, this product is also available to help the small kid's to improve the ability on distinguishing or differentiate the daily use objects. This is the reason why the product mentioned above was developed.

FLOWCHART



METHODOLOGY

- The aim of this project is to develop an Image to Voice converter which able to recognize an image/video from the webcam then detect the movement of the object and then convert it into sound by pytesseract and gtts library or wav file with good performance.

TECHNOLOGY

GUIDED BY : PRACHI V. PANCHOLI
ASST. PROF. COMPUTER DEPARTMENT

PRESENTED BY : GROUP ID – 132231

VARU DHRIV	170280107123
PRAJAPATI RUTVIK	170280107094
VANRA BHARGAV	170280107122
VACHETA SAUMIL	170280107120

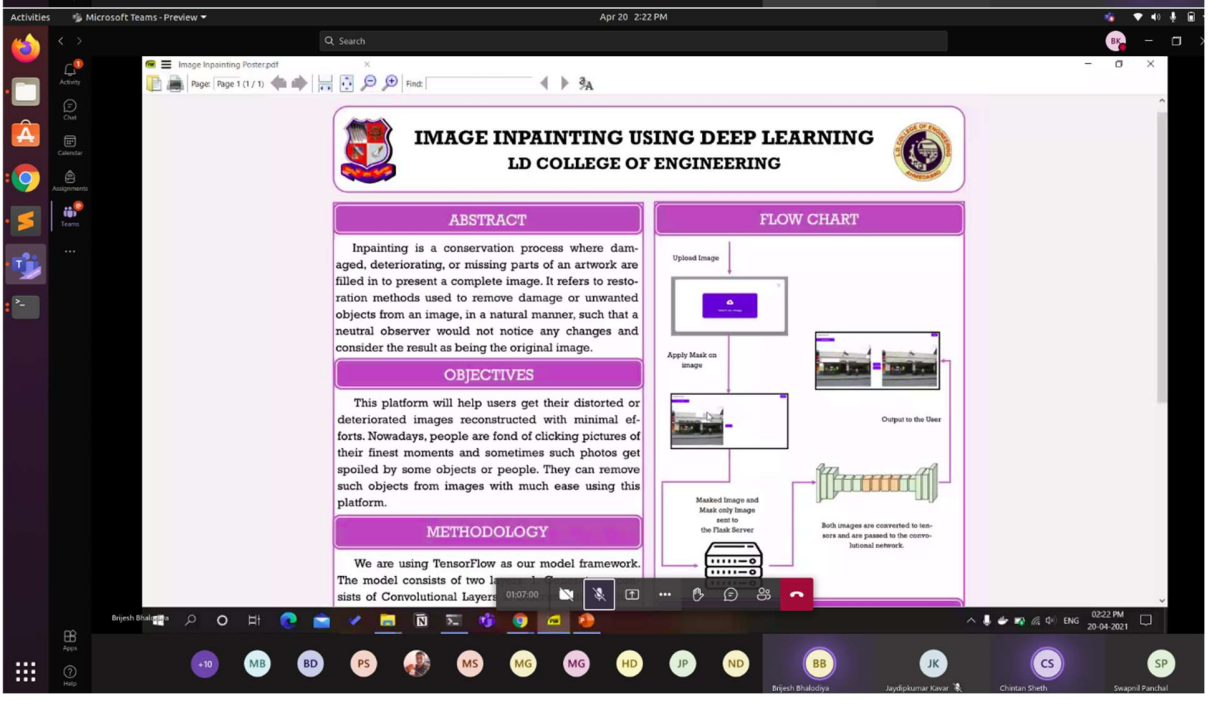
REFERENCES

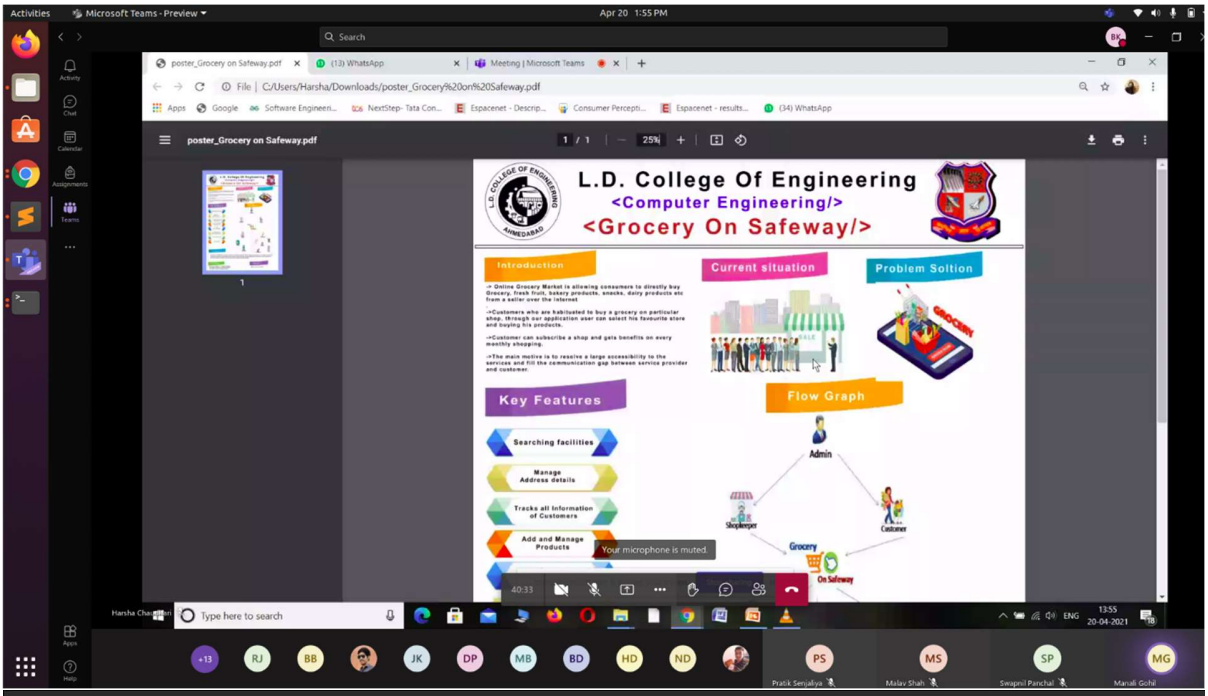
https://www.pyimagesearch.com/2019
man-activity-recognition-with-opencv-
learning/

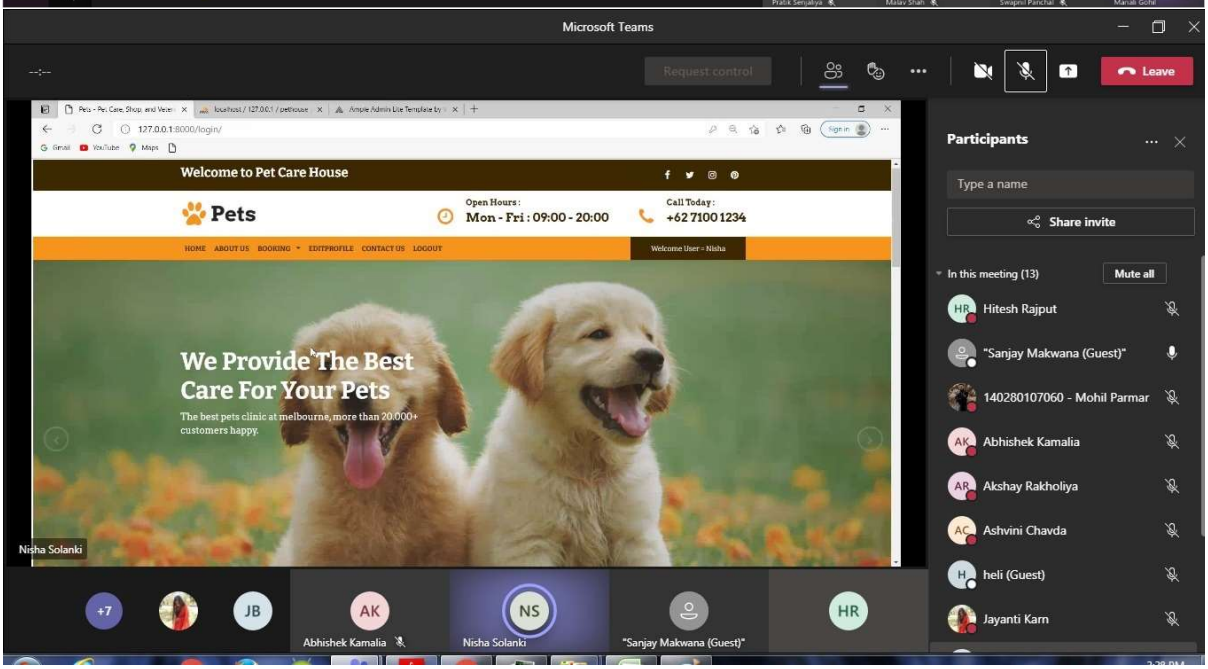
https://javatpoint.com

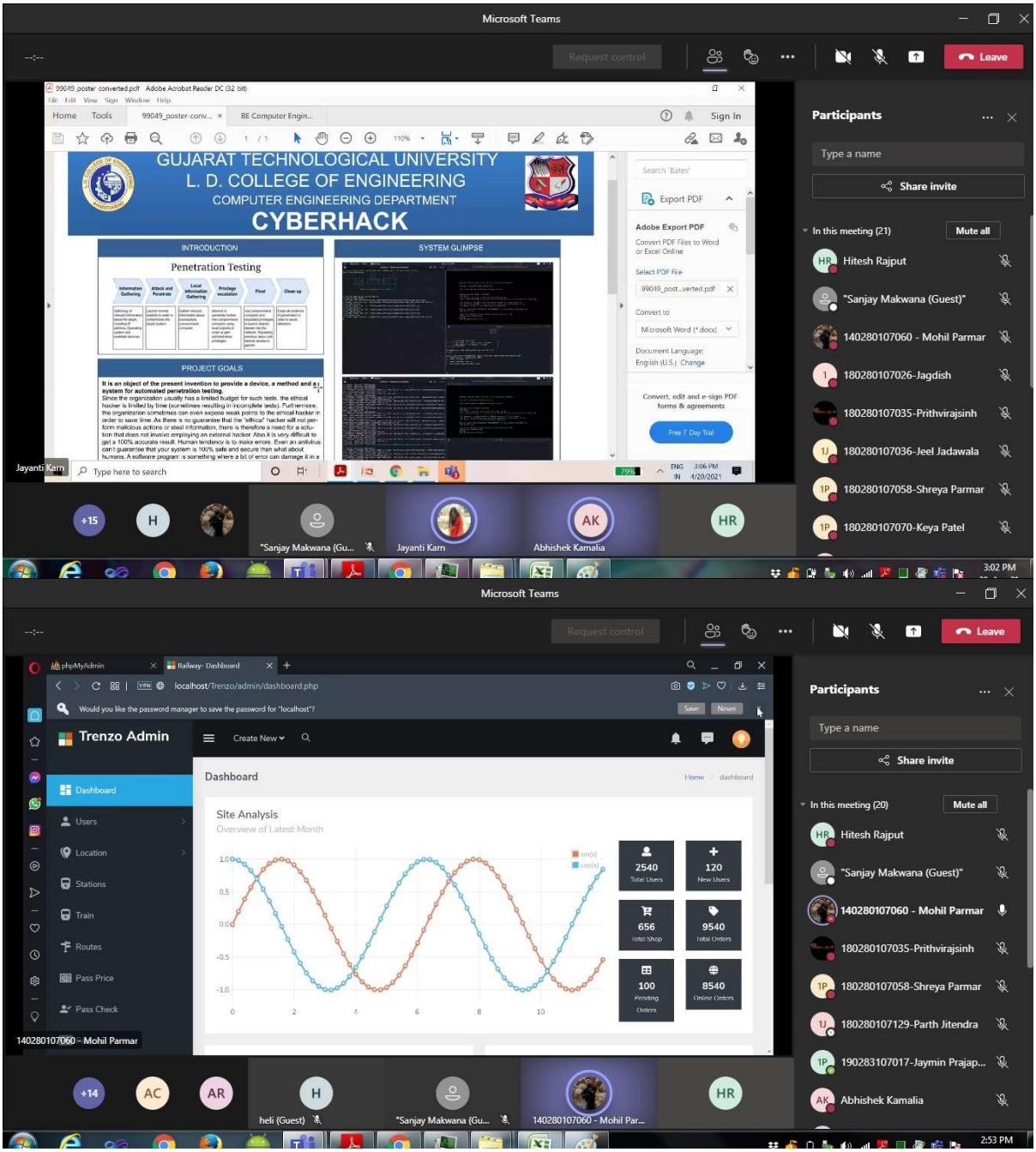
https://tutorialspoint.

Activities
Microsoft Teams - Preview
Apr 20 2:15 PM
LastSemProject (2).pptx - PowerPoint
Image Description
Guide by :Asst Prof. Dr. Nikunj Domadiya
I702801O7045
I702801O7048
I702801O7080
Brijesh Kalathiya
Jaydip Kavar
Heet Patel
LD COLLEGE OF ENGINEERING
AHMEDABAD


Activities
Microsoft Teams - Preview
Apr 20 2:22 PM
Image Inpainting Poster.pdf
IMAGE INPAINTING USING DEEP LEARNING
LD COLLEGE OF ENGINEERING
ABSTRACT
Inpainting is a conservation process where damaged, deteriorating, or missing parts of an artwork are filled in to present a complete image. It refers to restoration methods used to remove damage or unwanted objects from an image, in a natural manner, such that a neutral observer would not notice any changes and consider the result as being the original image.
OBJECTIVES
This platform will help users get their distorted or deteriorated images reconstructed with minimal efforts. Nowadays, people are fond of clicking pictures of their finest moments and sometimes such photos get spoiled by some objects or people. They can remove such objects from images with much ease using this platform.
METHODOLOGY
We are using TensorFlow as our model framework. The model consists of two la
sists of Convolutional Layers
FLOW CHART
Upload Image
Apply Mask on image
Output to the User
Masked Image and Mask only Image sent to the Flask Server
Both images are converted to tensors and are passed to the convolutional network.


L.D. College Of Engineering
<Computer Engineering/>
<Grocery On Safeway/>
Introduction
Current situation
Problem Soltion
Key Features
Flow Graph
Searching facilities
Manage Address details
Tracks all Information of Customers
Add and Manage Products
Admin
Shopkeeper
Customer
Grocery On Safeway
Your microphone is muted.


Microsoft Teams
Leave
Welcome to Pet Care House
Pets
Open Hours: Mon - Fri : 09:00 - 20:00
Call Today: +62 71001234
We Provide The Best Care For Your Pets
The best pets clinic at melbourne, more than 20.000+ customers happy.
Nisha Solanki
Participants
Type a name
Share invite
In this meeting (13)
Mute all
Hitesh Rajput
"Sanjay Makwana (Guest)"
140280107060 - Mohil Parmar
Abhishek Kamalia
Akshay Rakholiya
Ashvini Chavda
heli (Guest)
Jayanti Karn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"Sanjay Makwana (Guest)"
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180280107026-Jagdish
180280107035-Prithvirajsinh
180280107036-Jeel Jadawala
180280107058-Shreya Parmar
180280107070-Keya Patel
GUJARAT TECHNOLOGICAL UNIVERSITY
L. D. COLLEGE OF ENGINEERING
COMPUTER ENGINEERING DEPARTMENT
CYBERHACK
INTRODUCTION
Penetration Testing
SYSTEM GLIMPSE
PROJECT GOALS
Jayanti Karn
"Sanjay Makwana (Gu...
Jayanti Karn
Abhishek Kamalia
3:02 PM

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140280107060 - Mohil Parmar
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180280107058-Shreya Parmar
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190283107017-Jaymin Prajap...
Abhishek Kamalia
Trenzo Admin
Dashboard
Site Analysis
Overview of Latest Month
2540
120
656
9540
100
8540
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heli (Guest)
"Sanjay Makwana (Gu...
140280107060 - Mohil Par...
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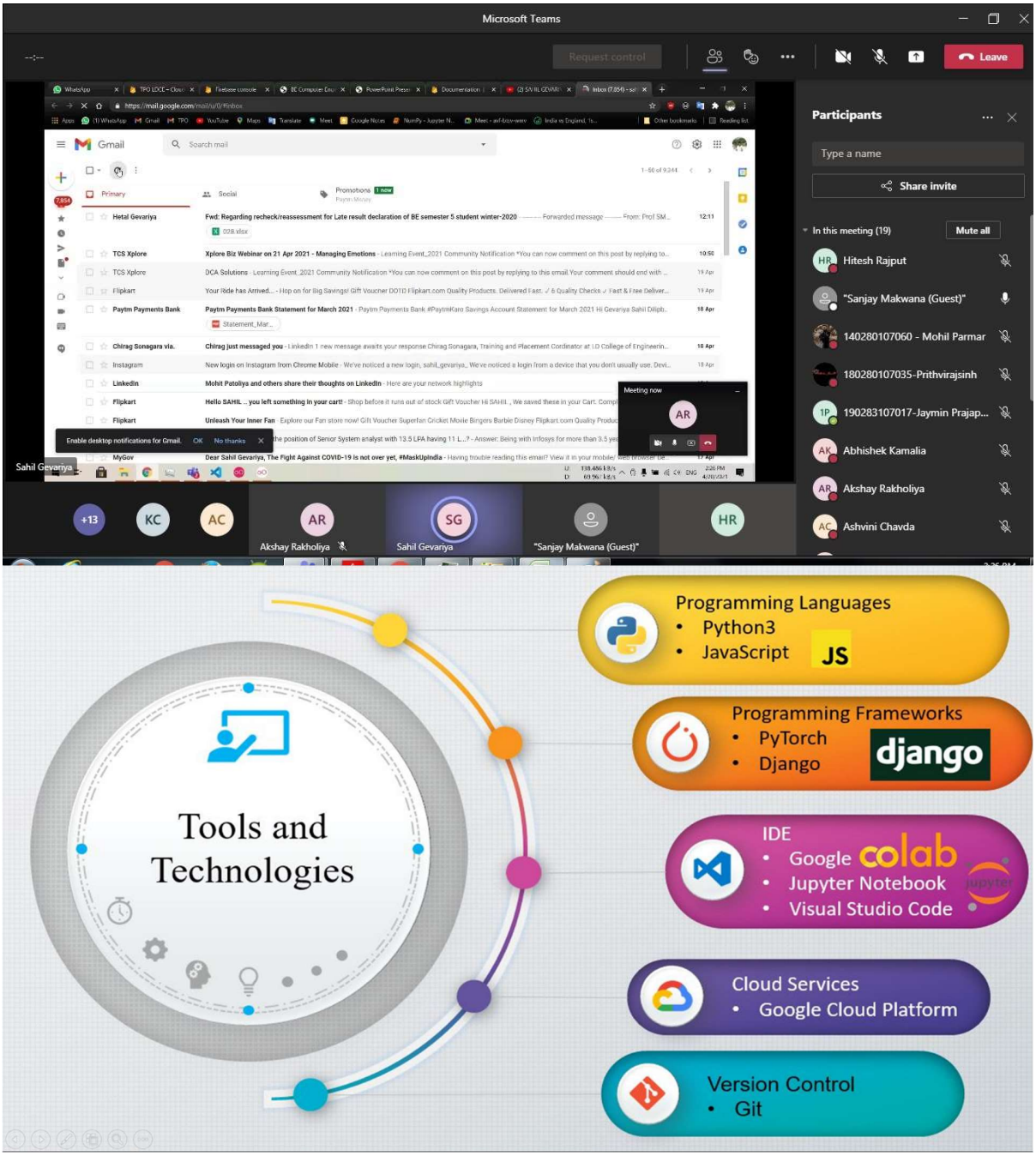
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Participants
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Share invite
In this meeting (19)
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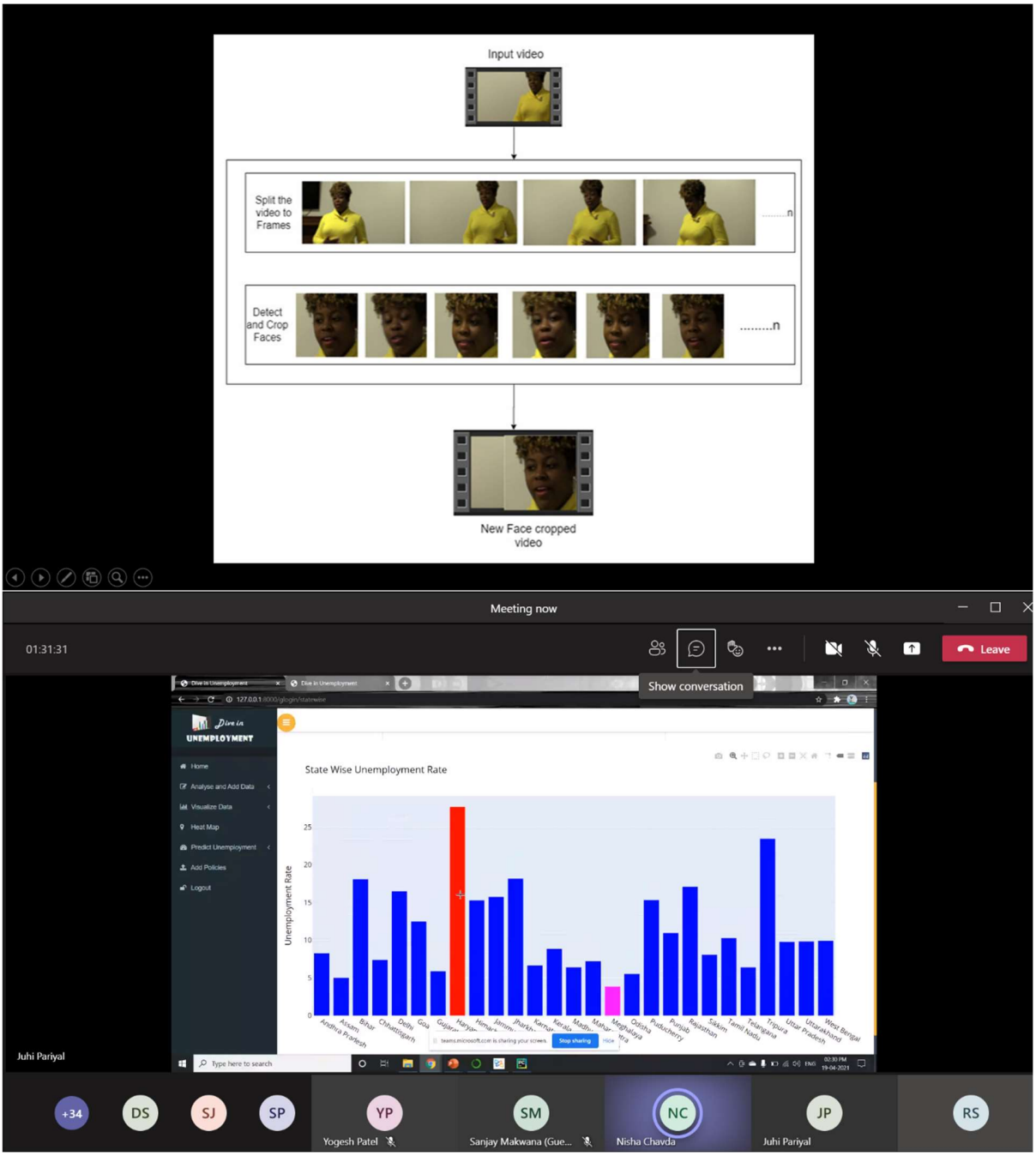
"Sanjay Makwana (Guest)"
140280107060 - Mohil Parmar
180280107035-Prithvirajsinh
190283107017-Jaymin Prajap...
Abhishek Kamalia
Akshay Rakholiya
Ashvini Chavda
Gmail
Search mail
Meeting now
Enable desktop notifications for Gmail.
OK
No thanks
Sahil Gevariya
Akshay Rakholiya
Sahil Gevariya
"Sanjay Makwana (Guest)"

Tools and Technologies
Programming Languages
Python3
JavaScript
JS
Programming Frameworks
PyTorch
Django
django
IDE
Google colab
Jupyter Notebook
Visual Studio Code
jupyter
Cloud Services
Google Cloud Platform
Version Control
Git


Input video
Split the video to Frames
n
Detect and Crop Faces
.....n
New Face cropped video
Meeting now
01:31:31
Leave
Show conversation
Dive in UNEMPLOYMENT
Home
Analyse and Add Data
Visualize Data
Heat Map
Predict Unemployment
Add Policies
Logout
State Wise Unemployment Rate
Unemployment Rate
Juhi Pariyal
Type here to search
+34
DS
SJ
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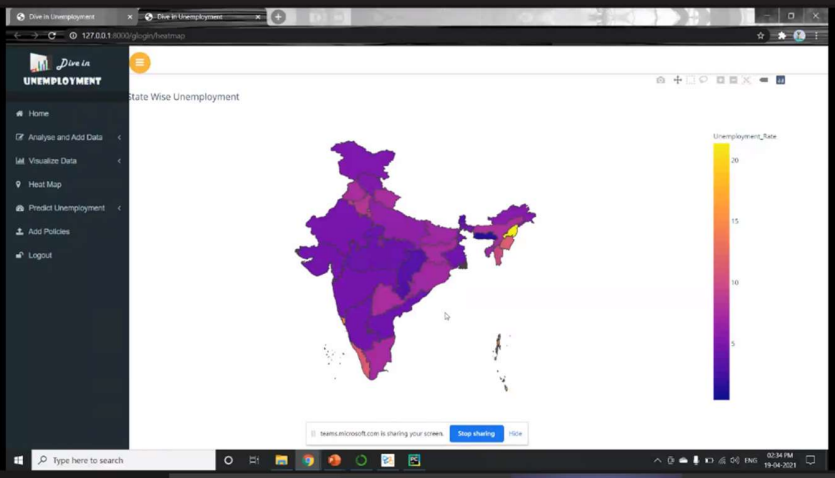
YP
Yogesh Patel
SM
Sanjay Makwana (Gue...
NC
Nisha Chavda
JP
Juhi Pariyal
RS

Meeting now

01:35:15

Leave



Juhi Pariyal

+33 DS SJ SP YP Yogesh Patel SM Sanjay Makwana (Gue... NC Nisha Chavda JP Juhi Pariyal RS

Meeting now

01:36:20

Leave

PREDICTION MODEL –AUTO REGRESSIVE INTEGRATED MOVING AVERAGE(ARIMA) AND AUTO REGRESSIVE (AR)

ARIMA model, can forecast a time series using the series past values. Unemployment Rate can be predicted using past year Data.

- A nonseasonal ARIMA model is classified as an "ARIMA(p, d, q)" model, where:
  - p is the number of autoregressive terms,
  - d is the number of nonseasonal differences needed for stationarity, and
  - q is the number of lagged forecast errors in the prediction equation.

ARIMA MODEL EQUATION:

$$\hat{y}t = \mu + \phi 1\ yt\text{-}1 + \ldots + \phi p\ yt\text{-}p - \theta 1 \varepsilon t\text{-}1 - \ldots - \theta q \varepsilon t\text{-}q$$

Auto Regression(AR) model is used to forecast the variable of interest using a linear combination of predictors. The term Auto Regression indicates that it is a regression of the variable against itself.

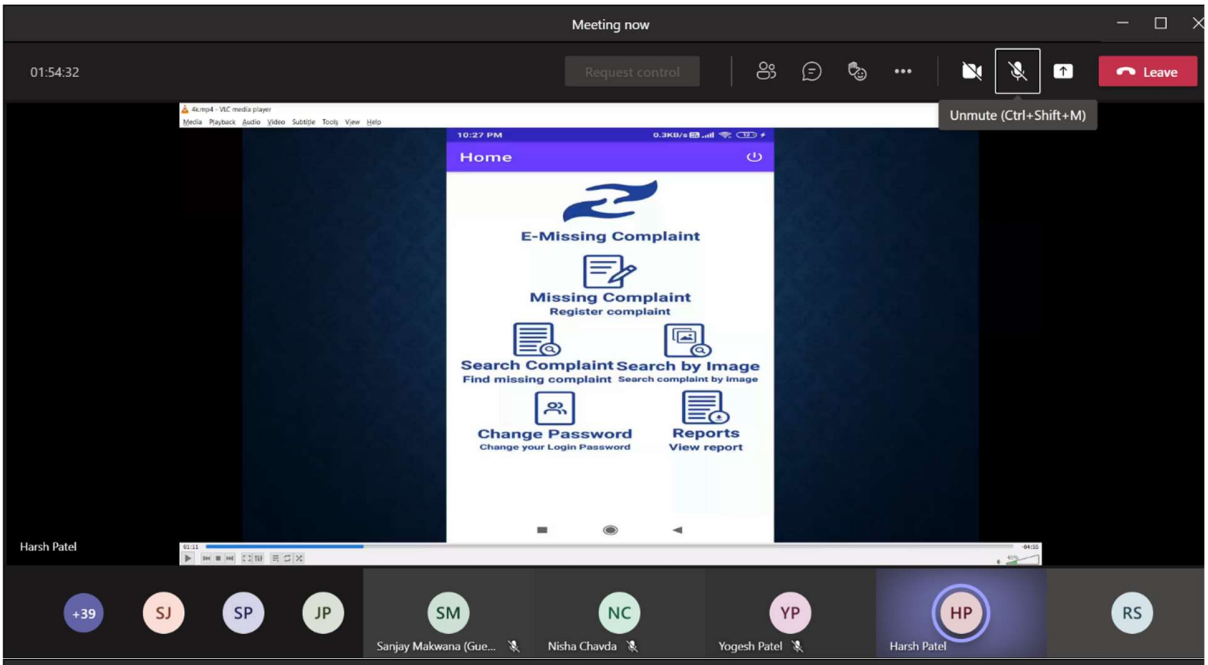
AR MODEL EQUATION:

$$yt = c + \phi 1 yt-1 + \phi 2 yt-2 + \cdots + \phi p yt-p + \varepsilon t$$

Where, C is constant, εt is white noise, ϕ1, ϕ2 are coefficients

Juhi Pariyal

+31 DS SJ SP YP Yogesh Patel SM Sanjay Makwana (Gue... NC Nisha Chavda JP Juhi Pariyal RS


Meeting now
01:54:32
Request control
Leave
Unmute (Ctrl+Shift+M)
Home
E-Missing Complaint
Missing Complaint
Register complaint
Search Complaint
Find missing complaint
Search by Image
Search complaint by image
Change Password
Change your Login Password
Reports
View report
Harsh Patel
+39
SJ
SP
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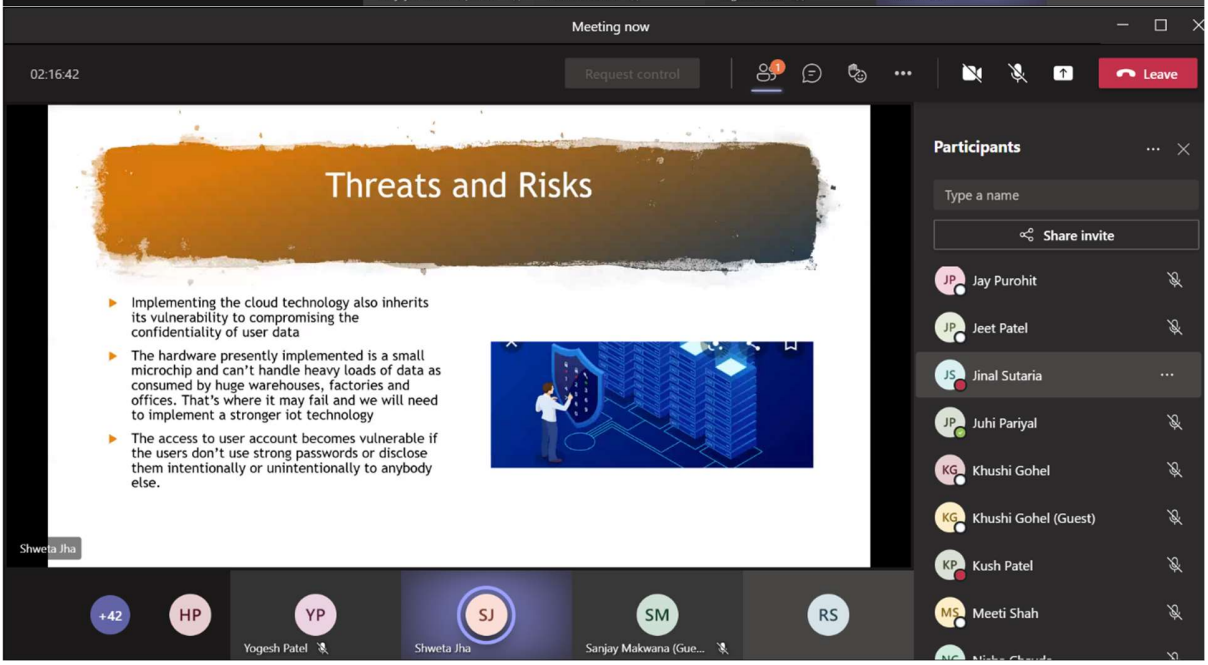
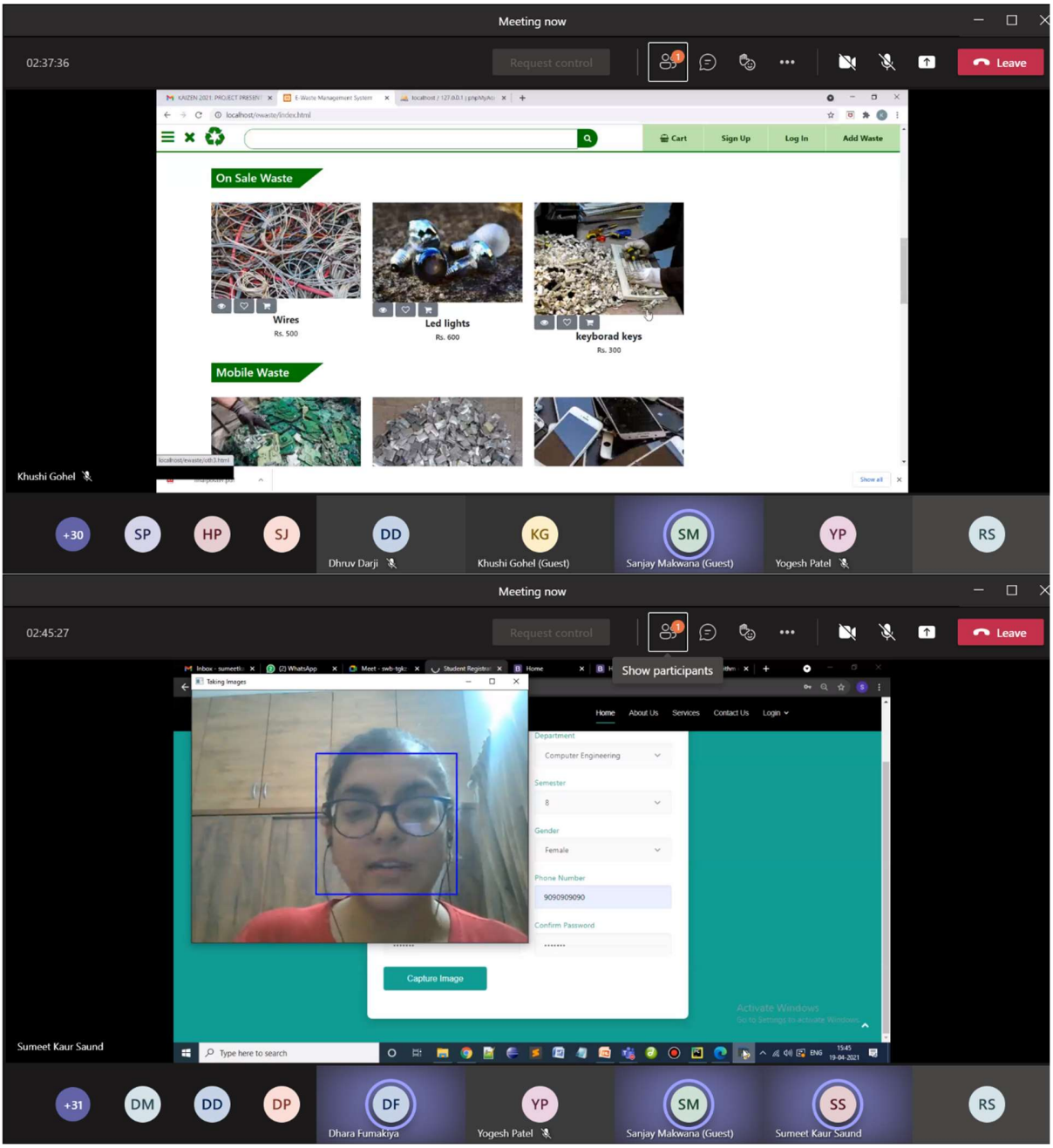
SM
Sanjay Makwana (Gue...
NC
Nisha Chavda
YP
Yogesh Patel
HP
Harsh Patel
RS


Meeting now
02:16:42
Request control
Leave
Threats and Risks
Implementing the cloud technology also inherits its vulnerability to compromising the confidentiality of user data
The hardware presently implemented is a small microchip and can't handle heavy loads of data as consumed by huge warehouses, factories and offices. That's where it may fail and we will need to implement a stronger iot technology
The access to user account becomes vulnerable if the users don't use strong passwords or disclose them intentionally or unintentionally to anybody else.
Shweta Jha
Participants
Type a name
Share invite
Jay Purohit
Jeet Patel
Jinal Sutaria
Juhi Pariyal
Khushi Gohel
Khushi Gohel (Guest)
Kush Patel
Meeti Shah
+42
HP
YP
Yogesh Patel
SJ
Shweta Jha
SM
Sanjay Makwana (Gue...
RS


Meeting now
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Request control
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On Sale Waste
Wires
Rs. 500
Led lights
Rs. 600
keyborad keys
Rs. 300
Mobile Waste
Khushi Gohel
+30
SP
HP
SJ
DD
Dhruv Darji
KG
Khushi Gohel (Guest)
SM
Sanjay Makwana (Guest)
YP
Yogesh Patel
RS

Meeting now
02:45:27
Request control
Leave
Show participants
Taking Images
Home
About Us
Services
Contact Us
Login
Department
Computer Engineering
Semester
8
Gender
Female
Phone Number
9090909090
Confirm Password
Capture Image
Sumeet Kaur Saund
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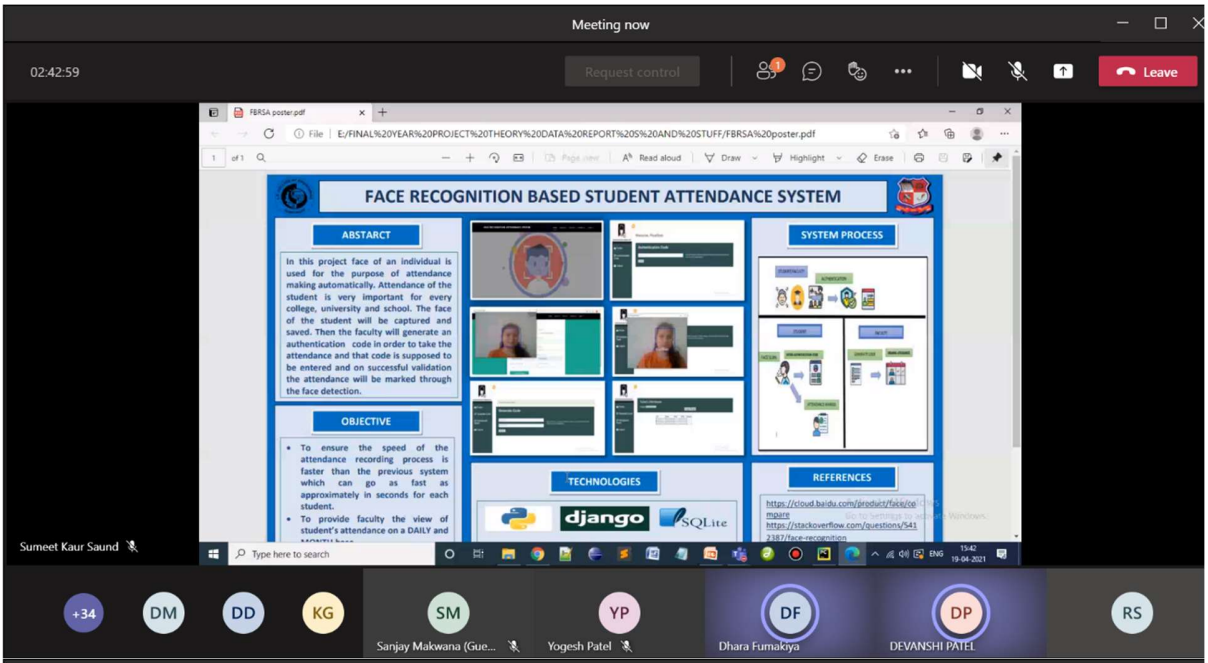
Sumeet Kaur Saund
RS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Request control
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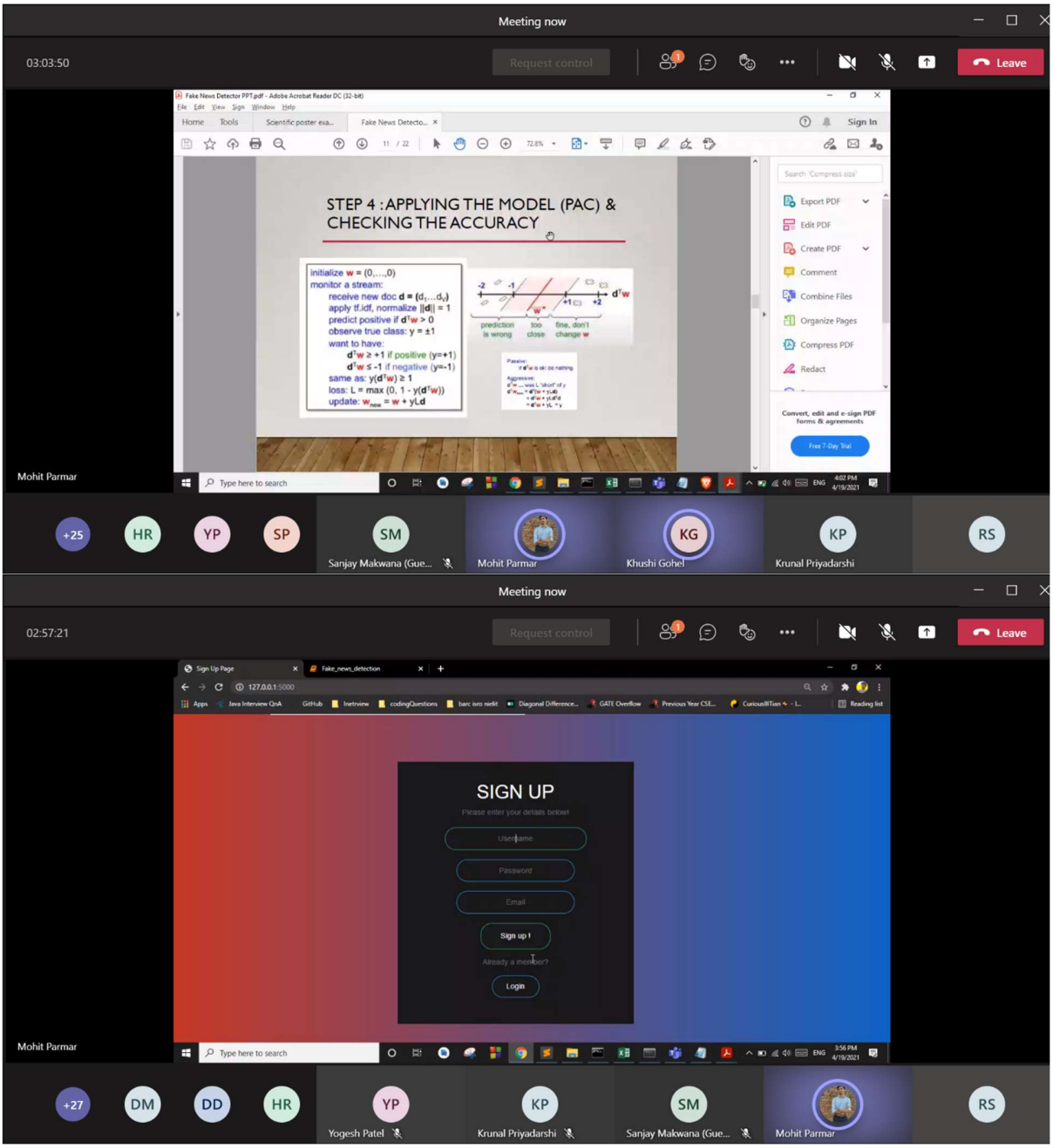
FBRSA poster.pdf
E:/FINAL%20YEAR%20PROJECT%20THEORY%20DATA%20REPORT%20S%20AND%20STUFF/FBRSA%20poster.pdf
FACE RECOGNITION BASED STUDENT ATTENDANCE SYSTEM
ABSTARCT
In this project face of an individual is used for the purpose of attendance making automatically. Attendance of the student is very important for every college, university and school. The face of the student will be captured and saved. Then the faculty will generate an authentication code in order to take the attendance and that code is supposed to be entered and on successful validation the attendance will be marked through the face detection.
SYSTEM PROCESS
OBJECTIVE
To ensure the speed of the attendance recording process is faster than the previous system which can go as fast as approximately in seconds for each student.
To provide faculty the view of student's attendance on a DAILY and
TECHNOLOGIES
django
SQLite
REFERENCES
https://cloud.baidu.com/product/face/compare
https://stackoverflow.com/questions/54123387/face-recognition
Sumeet Kaur Saund
Type here to search
+34
DM
DD
KG
SM
Sanjay Makwana (Gue...
YP
Yogesh Patel
DF
Dhara Fumakiya
DP
DEVANSHI PATEL
RS

Meeting now
02:54:27
Request control
Show participants
Leave
Fake News Detector : A complete solution
Parmar Mohit B. (170280107068)
Pavani Shivam B. (170280107090)
Priyadarshi Krunal A. (170280107095)
Guided by : Prof. Hetal Joshiyara
Department : Computer Engineering
Team ID : 131857
Introduction
The advent of the World Wide Web and the rapid adoption of social media platforms paved the way for information dissemination that has never been witnessed in the human history before. With the current usage of social media platforms, consumers are creating and sharing more information than ever before, some of which are misleading with no relevance to reality.
Automated classification of a text article as misinformation or disinformation is a challenging task. In this work, we propose to use machine learning ensemble approach for automated classification of news articles. Our study explores different textual properties that can be used to distinguish fake contents from real. We are training combination of different machine learning algorithms using various ensemble methods and evaluate their performance on real world dataset while creating a website having an easy to use interface.
Flow chart
NO
YES
Technologies used
python
User Interface
Mohit Parmar
+27
DM
DD
SM
HR
Hitesh Rajput
YP
Yogesh Patel
KP
Krunal Priyadarshi
Mohit Parmar
RS



Project Review Feedback:

By Experts:

Prof. Mr Swapnil Panchal,Professor, IT Deprt.,,Gandhinagar Institue of Technology:
Students can get more knowledge from seniors and industry persons from this kind of event. Based on the review of the projects, sir has suggested to keep the team size of 2-3 members, specific

outputs should be expected from the projects, readymade stuff should be avoided to build a good project, student should develop their confidence towards the failour of the project, keep use of Artificial Intelligence more,

Mr. Sagar H Gupte, Solution Consultant APAC, Jaggaer:
Students had developed very good projects which are useful to the society, like medication projects. In that they also have to add features for the people who are using their regional language.

By Faculty:

Dr. NIKUNJ DOMADIYA ASST PROF, computer Engineering Department, LDCE:
Students were very exited with the idea of showing their projects to industry and to other students and other interested persons. They prepared their ppts and also identified the bifurcation of what to show, who will present what.

Prof Tushar Champaneriya, Asst. Professor, CE Department, LDCE.
Online Kaizen - Project Presentation is very much useful for the students for presenting their progress in the project as well as they are able to interact with faculty and industry experts

Prof. Hetal Pandya , Assistant Professor, CE Department, LDCE :
Kaizen provides a platform to showcase PG students research & innovative skill . Students have presented their innovative implementation to judges .

By Students:

- It was an amazing experience on Teams, the faculty members were very supportive. Overall, our project got justice due to this whole process.

- In such situations due to coronavirus we were worried about how we will represent our work which is done by our efforts, but we appreciate the online kaizen procedure because we got a chance to represent our work and efforts. We had an online presence and it was awesome, we explained all works done by us to juries.