Major Project Outcome

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5	S.No Pr	oject Team ID	Shift	Roll Number and Name of Project Team Leader	Roll Number and Name (Team Member-2)	Roll Number and Name (Team Member-3)	Guide Name	Type of Project	Updated Project Title	Catagory	Project Abstract	PROJECT OUTCOME	List of Software Tools Used for Major Projects
	1	CSE-I-01	First Shift	20614802718 HARSHIT GARG	20214802718 KSHEM SHARMA	43714802718 ROHAN AGGARWAL	Ms. KARUNA MIDDHA	Research Based	IMPLEMENTING THE EXTRACTIVE DISASTER TWEET SUMMARIZATION ALGORITHMS AND ANALYZING THEIR EFFICIENCY	Software Based Only	Social Media Websites, predominantly Twitter have become important sources for real-time situational information during emergency events like the entire country witnessed during the set for help to arrange for beds, open concentrations, i.e. Since hundreds to thousands of microbloga or tweets are generally posted or Twitter during an emergency event, manually going through every tweet is not feasible. In such a scenario, it is critical to summarize the microblogs (weeks) and present informative summaries to the people who are attempting to respond to the disaste	We came to know about various algorithms that can be used to extract and summarize thousands of tweets and compare their efficiency. On the soft skills part, we learned to work in a team, managing time.	1. Python 2. Machine learning 3.API calls to fetch tweets related to a particular disaster
	2	CSE-I-02	First Shift	35114807218 AYUSH TOMAR (YB)	35214807219 SAGAR SAINI	35114807219 SAURAV CHHIKARA	Mr. SAURABH RASTOGI	Research Based	Parkinson's Disease Detection Using Machine Learning	Software Based Only	Neurological illnesses, as Parkinson's Disease (PD), might be concentrated on utilizing biomarkens acquired from human discourse. PD is a dynamical acquired from human discourse. PD is a dynamical organized from human discourse. PD is a dynamical individuals. Previously, clinicians have depended on abstract evaluating frameworks to check the seriousness of Parkinson's Disease. Challenges with engine control make it conceivable to distinguish and analyze PD through vocalization. Medical services experts could profit from less opensive and more procise determinations because of innovestive progressions and the those utilization of soon digathering sadgets in alique seatence. We give soon digathering gadgets in alique seatence. **Chical Total Control Control **Chical Total Control **Chical Control *	Demonstrate the knowledge, skills and attitudes of a Software Engineer Engineer Undertake problem identification, formulation and solution Demonstrate a sound technical knowledge of parkinson detection apply the principles, tools and techniques to solve the problem using ML	Jupyter Notebook Python (Version 3.6) Seaborn Scikit-Learn Pandas Numpy
	3	CSE-I-03	First Shift	45214802718 SWAPNIL	44414802718 RITVIK TREHAN	45114802718 LOKESH SINGH	Ms. KARUNA MIDDHA	Application Based	Crime Prediction	Software Based Only	"This project "Crime Prediction" is a major project designed as per the requirement for the accomplishment of the B.Tech major-project. It also gives you crime reports, calculates crime numbers for you and also finds you case solved among different stations. This program uses different features of ML right from simple mathematical calculations to extensive use of modular programming	The work of crime analysis to detect specific patterns of crime committed. The idea to help various NGOs.	Python skikit-learn Jupiter ML algorithms
	4	CSE-I-04	First Shift	40214802718 TARANG	01514802718 ANKIT	40314802718 ATISHEY JAIN	Ms. AKANKSHA KOCHHAR	Application Based	Mobile Operator Booking Platform.	Software Based Only	Asahhar has on boarded mobile operators to undertake enrolment and update of the residents demographics and biometric data. Our operators move from doorslep to doorslep to perform enrolment and update activity. Each of our operators is equipped with a Tab or mobile device to perform update and enrollment activity. Your task is to create a platform which will capture the current location of the operator and display on a map and refees it at a defined interval. The platform supports the following: Deligibly the operator location on the is logged to the platform and during his assigned working hours. Along with the location, additional artitudes like free hour (alof) availability in the day must be shown. This information is to be used by the resident to book the operator for door step delivery of the Enrolment and update service. The platform must also provide expensions seedance for the operator. He has perinterent booking system of UDA to request services of the operator as an available time slot. The platform must also provide residents feedback for the operator. He has perinterent booking should not be allowed. Herhills location at least on the size of the operator the activity of the carries.	A platform writch wer capture the current location of an Audhar operator and display them on a map and refresh it at a defined interval. Display the operator location on the map and refresh it. Operator location to be shown only when he is logged to the platform and during his assigned working hours. Along with the location, additional attributes like free hour (slot) availability in the day are to be shown. This information is to be used by the resident to book the operator for door step delivery of the Enrolment and update service. The platform will also provide means to call the appointment booking system of UIDA to request services of the operator at an available time slot. The platform must also provide residents feedback for the operator. If the operator has already soft-austicel the slots or she/he has	Node js: Node js is a JavaScript runtime built on Chrome's V8 JavaScript engine. Node js brings JavaScript to the server MongoDB: A document-based open source database Express: A Fast, unopinionated, minimalist web framework for Node js React: A JavaScript front-end library for building user interfaces
	5	CSE-I-05	First Shift	06114802718 MANAK BANSAL	06214802718 MANASWI	07414802718 PANKAJ KUMAR	Ms. GARIMA GUPTA	Research Based	Prediction of heart diseases	Software Based Only	This Sociame Case and	Basic working of machine learning, understanding of relation between medical and Computer Science topics	Python, libraries, Google colab, Jupyter notebook

6	CSE-I-06	First Shift	09214802718 SAHIL KAKKAR	09014802718 SACHIN		Ms. KAVITA SAXENA	POC/Innovative idea	Impostor Detection using Behavioural Biometrics	Software Based Only	Everything is getting digitised today. This opens up ptethors of opportunities for fraudisters to commit crime. As more and more people are using online services, the opportunities are also getting good at impersonating users and hasbring their accounts. When the contract of the contra	Providing a bulletproof protection mechanism which ensures security in an non-inituative way by protecting user privacy simultaneously. Building it in a way that it is easy to implement and scale Build a model capable of user identification and help in the authentication process. Build a model that performs of impostor detection and fatual Preventing impersonation by fraudativars and alerting the system beforehand. Detecting impostor just by analysing his/her mouse movements	Python, Reliability, numpy, pandas
7	CSE-I-07	First Shift	08914802718 ROSHAN KUMAR	08214802718 RISHABH SHARMA	08314802718 RISHAV KUMAR	Ms. KAVITA SAXENA	Research Based	health buddy	Software Based Only	Health buddy is a web based project related to health domain. In this project we are predicting if a person suffer from certain diseases or not using their medical reports, we have taken various diseases data like malaris, kidney diseases, cancer eta and analysed these data using machine learning and prepared models which is capable of prediction of diseases with high accuracy.	or valid data. Learned about different machine learning argorithms like linear regression ,logistic regression , decision tree regression , KNN elegistre et al. Learned about different platforms like apparents	Pandas , Numpy , Matplotiib , Tensorflow , Seabom , sci kit learn , Jupyter notebook , Python
8	CSE-I-08	First Shift	03414802718 DISHA SHARMA	04414802718 HARSHIT AGGARWAL	42314802718 ISHAN AGARWAL	Ms. GARIMA GUPTA	Research Based	Tagging stackoverflow questions using supervised machine learning techniques.	Software Based Only	Abstract: Tagging provides a convenient means to assign tokens of identification to research papers which facilitate recommendation, search and disposition process of research papers. This project will approach the auto-tagging of stackoverflow questing using supervised machine learning techniques. One of the major part of the study is to filter and preprocessing of the database to extract most relevant tags and keywords. The approach is based on extracting keywords using fild verighted score and then apply supervised machine learning apprimes to train the machine learning incodel.	Team Learning : Made understanding on various new topics with multiple brain storming sessions to reach a conclusion. Team work and leadership decisions at the same time. Time management and bringing out the best resource possible.	Tools and Libraries used : Natural Language toolkit (nltk) Sklearn Matplotilb Seaborn Pytorch Bs4 Google Colab Kaggle
9	CSE-I-09	First Shift	45714802718 SHUBH BANSAL	09714802718 SHUBHAM AGGARWAL	44514802718 MUKUL TANEJA	Prof. NAMITA GUPTA	Application Based	End-to-End Encryption by Quantum Algorithms and Application in Areas of Security	Software Based Only	Data encryption is a way of translating data from plainted (unencryption locihered (encryption). Users can access encrypted data with an encryption levy and decrypted few of the standard encryption levy and decrypted few of the standard encryption graph programme. Advanced Encryption Standard (AES), Rivest-Shamir-Adleman (RSA) Encryption is a central problem for many applications in the field of information processing, including, e.g., cryptography, in classical equality and efficiency of the encryption process are crucial for most of these applications. Classical encryption, from stufficiently secure, does not fulfill the required security and quality demands. Hence, the physical hardware methods are intensively developed for encryption for information processing and electronic security application. In the present paper we analyze and discuss the problem with	Getting familiar with standard Encryption & Cryptography techniques and models. Creating a Quantum Encryption Algorithm based on already going continues to the standard services of the standard services on CRNG engine(Minor Project) in another project. Optimizing Quantum circuit to the best level and hence save a lot of computation power on quantum computers.	Python Qiskit Framework(For Quantum Computing) ReactJs(Frontend)
10	CSE-I-10	First Shift	00314807219 TUSHAR BAGHEL	01514807219 RAHUL RATUSARIA	01114807219 AYUSH CHANDER VANSHI	Ms. SUDHA NARANG	Research Based	Financial Analysis and Visualization	Software Based Only	Chastics accordance and shopped for the first see that a deep of a constitution of the	Create Dashboard of the analysis performed. To analyze the spending and saving pattern of an individual. Develop Literacy bout finances. Provide discipline at early age to set financial goals. Compare the financial dis	wincussint Excer is one or were invised uses software application in the world. Excel have the Powerful Tools and Functions, using it for wide verity of applications across the global IT Companies. It is easy to enter the data, read and manipulate the data. Excel stores the data table format in Rows and Columns. Microsoft Excel used for storing the data, processing the data, analyzing and presenting the data. *We can enter data in Strings, Dates or Numerical type of Data in the Excel Cells and Save the Files for future reference.

11	CSE-I-11	First Shift	00614807219 JAGMOHAN RAI	00214807219 SATYAJIT SEN	00514807219 RISHABH KUMAR	Ms. NEETU GARG	Application Based	Shilpi	Software Based Only	The Indian handicraft and handloom industry engages over 23 million craftsmen. The third largest segment among the poor in India exclusively consists of artisans, weavers, and handicraft workers. During the COVID-19 lockdowns across the country, their products were deemed 'non-essential', leading to most of them being out of work. It is also recognized that it is virtually impossible for the domestic artisans, weavers, and handicraft workers in India to complete with liby corporations who can mass-produce products at a global scale. Since the COVID-19 pandemic has affected them most, a requirement for a functional application platform to serve as an ecommerce postal for affisans, weavers, and handicraft workers are commerce postal for affisans, weavers, and handicraft will allow bupes and sellers to meet at one platform for business. It shall also help in growing their business and the overall economy of the country.	Learnt to work together in a team. Gained some degree of profileiency in Futter for front end software development. Gained some degree of proficiency in Futbase for back end software development. Gained some degree of profileiency in designing Uts.	Flutter, Firebase.
12	CSE-I-12	First Shift	01314807219 ANKIT KUMAR	01314802718 AMISHA SINGLA	10014802718 SURBHI TYAGI	Ms. GARIMA GUPTA	Research Based	DIABETES PREDICTION MODEL	Software Based Only	Diabetes is a disease which is rapidly increasing all over the world. It occurs when pancreas does not produce sufficient insulin, or bod, can not sufficiently use insulin if produces. Diabetes person has increase blood glucose in the body. One of the major problem diabetic patients suffers from is the Diabetic Retinoptity (DR) and blindness. Since the number of diabetes patients is continuously increasing, it increases the data as well. Hence be strate the useful information and unseen knowledge from the data, use of data mining (DM) techniques become necessary. OM plays an important role in DR as this can be beneficial for the better health of the society. There are many techniques and algorithms that help by of various classification techniques such as artificial neural network. Support vector machine, naive bayes, decision tree, that have been used for diagnosis of diabetes. This will help to classify and compare the algorithms and techniques previously proposed in order to develop better and more effective algorithms.	In every real world problem, the first step to build a solution focused model is to perform an exploratory data analysis. This will establish the suitable model for the problem, which can be further used to tune up the performance and solve the problem efficiently. Exploratory data analysis for artificial neural network deals in playing with the hidden layers and activation functions. Advanced Bly-data problems, image based problems and many other complex problems are now tacked with Convolution Neural Networks (CNN). Deep learning has been extensively used in many complex (CNN). Deep learning has been extensively used in many complex (CNN) can work directly on the many cases (CNN) can work directly on the many cases (CNN) can work directly on the mange, without any feature extraction). CNN in computer vision applications has another benefit of keeping the spaled property of the image, without any feature extraction). CNN in computer vision applications has another benefit or keeping the spaled property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction of the property of the image, without any feature extraction in many cases.	1. Python 3.6 2. Pandas 3. Numpy 4. Keras (backend on tensorflow) modules.
13	CSE-I-13	First Shift	40714802718 RAJAT KUMAR	41614802718 SAMBHAV JAIN	43814802718 HARISH DAGAR	Ms. MINI AGARWAL	Application Based	ProjectHUB	Software Based Only	If a common knowledge platform (with a facility for plagiarism) is created to bring all project works taken up at various levels by the subserts in Technical Higher Educational Instituces and Universities throughout the country, hant still be a great source of knowledge and also will help the student community to take up unique/innovative project works.	1) learned about creating full stack web application 2) learned about working in a team 3) learned about how various noteshab like apps are built 4.) learned about indepth knowledge of mem stack	vscode - insiders, postman , MERN stack
14	CSE-I-14	First Shift	44914802718 PIYUSH RATHI	20114802718 HARDIK SANGHI	06014802718 MADHUR	Mr. ANUPAM KUMAR	Research Based	Disease prediction using machine learning	Software Based Only	The world is moving lest and in order to catch up with the whole world, we lend to legione the amptione of illnesses that can have a significant impact on our health. Many working professionals suffer from heart attacks, bad cholestory, and eye diseases and are too busy dealing with the evolving world to treat them in time. God has given each and every one a beautiful griff of life, and it is our responsibility to live our lives to the fullest and protect ourselvers from the dangers of the world. Therefore, we use machine learning algorithms such as Decision Tree, Gradient Boost, Random Forest, and Naive Bayes to consider the supprison that a person may be suffering from. We have developed a regression model, it saves time and makes it easy to get alerts about your health before it is too supervised machine intelligence algorithms, and their conduct and habit for alliment risk prophecy. This important information or radiate performance can be used to aid researchers in the selection of an appropriate supervised machine learning algorithm for their	Supervised algorithms, writing documents, software development process	Vs code, terminal, python
15	CSE-I-15	First Shift	36614802718 TANYA GOEL	40914802718 GARIMA ARORA	20314802718 TANNU SHARMA	Ms. SHALLU JUNEJA	Research Based	Software Defect Detection using Machine Learning Classifiers	Software Based Only	Detecting software defects is an important part of software engineering. Defect detection means identifying modules that are prone to failure sally is software development. It reduces time, respectively the property of the	For our Major project, we learned Python and its verious libraries. This project has made as work together as a team, and working in a team has helped us in forevard planning and strategic thinking. It has harpened our problem-solving and decision-making. Working in a team has also made us understand how to distribute work equally and then work collectively. Through this project, we have learned the basics of Machine Learning, which were entirely new for us. We studied and learned various machine learning classifiers. We have also learn how to write a research paper perfectly. So this project has sharpened both are social and technical skills.	Jupyter Notebook, Google Colab

16	CSE-I-16	First Shift	05014802718 ISHIKA	45314802718 CHARU		Ms. SAVITA SHARMA	Research Based	Inventory Demand Forecasting	Software Based Only	Demand forecasting is the technique of predicting the demand of a product or service using historical data for a specific period. Sales or demand forecasting helps plan business budgets and to set goals: It can all ed one insight into an organization's ceah and inventory low, which will help businesses invest in the organization's growth. The objective is to applies that the organization's growth. The objective is to applie that the organization's growth are objective in the organization's growth. The objective is no applies that the organization of the organi	Learned about core machine learning concepts. Data visualization and analysis. Learned about various machine learning models focusing on predicting future values. Learned about different piphon libraries like pandas, numpy, malpoetb.	numpy pandas seaborn matplotiti XGB Regression LSTM
17	CSE-I-17	First Shift	01014802718 AMAAN SAIFI	01114802718 AMAN RAJ CHOUDHARY	00714802718 AKASH HARIT	Dr. SANDEEP TAYAL	Research Based	IMAGE GENERATION USING GAN	Software Based Only	A Generative Adversarial Network, or GAN, is a type of neural network architecture for generative modelling. Generative modelling involves using a model to generate new examples that plausibly come from an esisting distribution of applications of the state of the s	Generator Model was able to create new images whose goal was to fool the discriminator whereas the discriminator tried to distinguish between real and false and was able to do so. Both the models learn from the competition with each other. And in the end, false looks real. We were able to generate quite good images with as little loss as possible.	Google Colab Jupyter Notebook Anaconda Python
18	CSE-I-18	First Shift	09814802718 SIDDHARTH PAWAR	08414802718 RITIKA VERMA	09414802718 SARTHAK MITTAL	Mr. MOOLCHAN D SHARMA	Research Based	AUTOMATIC RIGGING OF 3D MODELS WITH STACKED HOURGLASS NETWORKS AND DESCRIPTORS	Software Based Only	We put forward an approach for predicting animation skeletons for input 3D models of articulated characters. In contrast to earlier techniques that fit pre-defined skeleton templates or predict fixed sets of joints, our approach obtains an animation skeleton tailoned for the structure and geometry of the input 3D model. Our architecture is based on a stack of horgulass modules trained on a large dataset of 3D rigoged characters mined from the web. It works with a volumetric representation of the input 3D shapes that has been enhanced with geometric shape elements that provide extra dictations for joint and bone positions. The proposed method also allows for straightforward user customization of the output skeleton's level of detail. Our study shows that, when compared to many alternatives and despite how comparable to those made by people.	We were able to identify the importance of Rigging in animation pipeline of 3D models while working on the research paper "AUTOMATIC RIGGING OF 3D MODELS WITH STACKED HOURGLASS NETWORKS AND DESCRIPTORS." This research has broadened our understanding of model rigging and neural majority of existing automated rigging bending as We worked on identifying and enables us to exist a guidance of the existing automated rigging methods, selved the existing rigging generations, which existing rigging generation methods. We were able to identify the stacked hourglass trade-offs and successfully presented a comparative study between different combination of input features. The proposed embods yelded significant results. We reconglisted the significance of studying and analysing existing literature in order to improve our work on our paper. We determined the best ways to present the results of our experiment and draw a conclusion.	Python3, Blender, Maya
19	CSE-I-19	First Shift	02114802718 AYUSHI HASIJA	36114802718 RISHIT NAGPAL	36514802718 SRISHTI JAIN	Dr. DEEPAK GUPTA	Application Based	Analysis and Development of a Research Based Ranking of Google Scholars	Software Based Only	Google Scholar provides a simple way to broadly search for scholarly literature. From one place, you can search across many control of the place of control opinions, from academic publishers, professional sociates, coline repositories, universities and other web sites. Google Scholar helps you find relevant work across the world of scholarly research.	Learnt to do API Calling Learnt to implement a website Learnt to develop Filter based search engine	Python HTML CSS JavaScript
20	CSE-I-20	First Shift	42414802718 PAVITRA WALIA	42614802718 TANYA BATRA	42814802718 SARVESH NATH TIWARI	Ms. RUCHI GOEL	Research Based	Blockchain Based Framework for Professional and Academic Journey	Software Based Only	Blockchain is a system of recording information in a way that makes it very difficult to change, hack, or cheat the system. The goal of this research project is to tackle the problem of counterfeit certificates and other academic and professional details while preserving the Grand Contracts in conjunction with Distributed Ledger, using Ethereum Blockchain along with a web portal.	We learnt to develop plans with relevant people to achieve the project's goals - break work down into tasks and dermine handover procedures - able to klentify and utilize appropriate methodologies to address the research question. - Meet the relevant field's standards for the responsible conduct of research, and effectively navigate challenges that arise in the research process	Solidty, HTML , CSS, React JS

21	CSE-I-21	First Shift	40114802718 SATVIK	44014802718 OM PARASHAR	44314802718 MOHAMMAD SALIK	Ms. SUDHA NARANG	Application Based	Online integrated platform for projects taken up by the students of various colleges.	Software Based Only	All the students enrolled in universities for education courses dedicate their time to work on research or personal projects for the betament of their grasp on the field they want to work. But at present times. These students studying in colleges are unaware of what other students of the country in other universities are working on. This creates an education bubble around them being unaware of the fresh ideas available in the bright mitied of other students. The is a major reason to work on this problem statement provided in SH where the goal is to develop An integrated platform should be developed where in all the universities/Colleges provide information about the projects done by the students. The information on this platform will help in the peer learning and this will also help in cross functional research between various universities/colleges.	Learned how to work in a team based environment. Learned the importance of applying First Principle thinking. 3. Learned about Microservices Architecture.	NodeJS, EJS, MongoDB, HTML
22	CSE-I-22	First Shift	20714802718 HIMANSHU GOYAL	20414802718 AAKASH GARG	20514802718 ISHAAN GARG	Mr. anupam Kumar	Research Based	Toxic Comment Classification	Software Based Only	The growing demand for the Internet has given rise to social issues such as abusive behavior which comprises intolerable comments, personal attacks, ordine harassment, and bullying, it is indepensable to categorize the comments based on toxicity to prevent the bullying on the social network. We are presenting a comprehensive way on classification of tools comments and also providing a future readmap for ordine toxic comments classification.	Working with new machine learning models, using new libraries like fast text and tatios and getting an overall idea of how text classification can be done by using LSTM and LSTM-CNN model.	Python, Tensorflow, Numpy, Jupyter Notebook, Google Colab
23	CSE-I-23	First Shift	07814802718 PUSHKAR DUREJA	06814802718 NAMAN SAMRA	07314802718 NIPUN GUPTA	Dr. FARZIL KIDWAI	POC/Innovative idea	Electronic ticket system	Software Based Only	Event ticketing systems are facing challenges of preventing ticket forgery and scalping while ensuring privacy protection and information transparency. To alleviate these issues, bits thesis presents a hybrid blockchain-based event ticketing system. It uses blockchain technology to ensure the transparency of feeting information, and uses asymmetric encryption technology to protect privacy. The system also uses digital signature technology to ensure ticket authenticity, and has a novel ticket verification mechanism for preventing ticket scalping.	Blockchain technology	Solidity, web3.js,truffle,ganache
24	CSE-I-24	First Shift	41414802717 CHANDAN KUMAR	41714802718 GURPREET SINGH	75214802718 AMZAD CHOUDHARY	Ms. DEEPTI GUPTA	Research Based	Enhanced Super-Resolution Using GAN	Software Based Only	super-sectution reconstruction is an increasingly important area in computer vision. To eliminate the problems that super-resolution reconstruction models based on generative adversarial networks are difficult to train and contain artifacts in reconstruction results. besides the breakthroughs in accuracy and speed of single image super-resolution using faster and deeper convolutional neural networks. However, the halfucinated details are often accompanied with unpleasant artifacts. This paper presented ESRAM model without season to the present and the	Identify and utilize appropriate methodologies to address the research question. Meet the relevant field's standards for the responsible conduct of research, and effectively navigate challenges that arise in the research process. Voix collaboratively with other researchers, demonstrating effective communication and problems olving skills. Present the research effectively in a conference setting and a written publication.	NVIDIA GeForceMX150, Windows 10, Intel (R) Core (TM) i7-8550U CPU@2.00GHz, 8 GB RAM
25	CSE-I-25	First Shift	03614802718 DIVYAM SINHA	03314802718 DHRUV KAPOOR	03514802718 DIVYAANSH	Ms. ZAMEER FATIMA	Application Based	Brand Protection Using Blockchain	Software Based Only	Recuest. Benefition from these immorasement. the pronoced benefit of the property of the property of the property of the product of the produ	Smart Contract, Frontend, Backend, Protecting brand	Solidity, Reactjs, Web3, Metamask, Etherium

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26	CSE-I-26	First Shift	01614802718 ANKIT KUMAR	00414802718 ABHISHEK RANJAN		Ms. NEETU GARG	Research Based	Leaf Disease Detection	Hardware and Software Based	This project is concerned with the development of a new plant disease recognition model based on leaf image classification using deep CNN. The novel training method and methodology used allow for a quick and easy system implementation in practice. The model which we are developing will be capable of distinguishing different types of plant diseases from healthy leaves, as well as distinguishing plant leaves from their surrounding. For separate class tests, the experimental results on the developed model achieved practision.	Deep Learning modelling with real life objects, use of CNN	Kaggle, Keras
27	CSE-I-27	First Shift	03214802718 DEEPIKA RANA	35314802718 HARSHITA CHADHA	02814802718 DEEKSHA MADAN	Ms. NEELAM SHARMA	Research Based	Detection of Schizophrenia using Machine Learning	Software Based Only	Schizophrenia is a serious mental health disorder that inhibits the ability of an individual to function as a productive member of society. Despite the criticality of this disorder's nature, clinical detection methods remain highly convoluted and the diagnosis is usually delayed. This article proposes a conduction neural network-based schizophrenia detection technique that makes use of biomedical signals to classify patient groups. The use of electroencephalogram (EEG) data from an addescent cortrol group is done to failor the model to facilitate accurate early detection. To prespet the EEG imputese, the Mortet Wavelet Transform is used to obtain RGB scalingarins in image format. These are fed into the "Jieses deep canadigmans in image format. These are fed into the "Jieses deep canadigmans" in the properties of the highest testing accuracy of 44.4% and an F1 scarce of 0.945. The lightweigh harter of the models and the comparational complexity of the used algorithms therein coupled with the superior performance metrics make it at classifier that can be successfully used for field diagnostics.	Learning Outcomes - 1. How to make a dataset with the raw EEG Signal 2. How to create an optimised Model 3. How to tune the hyperparameters to obtain a better model	Jupyter Notebook Google Colab
28	CSE-I-28	First Shift	07114802718 NAYAN AGARWAL	07214802718 NIKHIL SHARMA	00914802718 AKSHAY JAIN	Ms. NEETU GARG	POC/Innovative idea	Open Banking Hybrid Cloud Architecture	Software Based Only	Individual Banks and the Banking System as a whole make a home for a large churk of its client data and various forms of possible interactions and transactions that are carried by the end-users of the bank. Due to security purposes, this data presently is being year very limited access to the users and stating out in the Banking Databases. There is a need to design a system for making this information publicly available for upcoming SMEs and individuals those can benefit from the potentially existing demographic trends keeping a check of the possibly emerging regulatory threats.	Learned a lot about Cloud Computing Significantly increased the knowledge on how banks operate Came across FinTech mechanisms and workings I was not priorly aware about	1. MongoDB 2. React 3. Express is 4. Nodes is 5. Mongo Atlas 6. JWT 7. Redux 8. REST API
29	CSE-I-29	First Shift	43514802718 SANJAY MAJHI	43114802718 RATUL HANS	40514802718 DHRUV BANSAL	Ms. ZAMEER FATIMA	Application Based	Centralized Grievance System Portal	Software Based Only	We are developing a Centralized Grievence System Portal as a part our Extended on the Control of	1. We learned how to make a full fledged website using PHP, JOuery and MySOL. 2. We learned how to work as a team for a common goal. 3. We learned how to do research before starting a project. 4. We learned how to think innovelwely and also considering the end user. 5. We learned how to set proper timelines for a project. 6. We learned how to use different software tools like apache, github and so on.	HTML, CSS, Bootstrap, JQuery, PHP, MySQL, VS Code
300	CSE-I-30	First Shift	40614802718 SAHIL BRODIYA	36714802718 VISHESH KHANNA	41014802718 DEEPESH CHAUDHARY	Ms. SHALLU JUNEJA	Research Based	Sentiment Analysis of Social Factors on Software Development in Software Repositories	Software Based Only	Sentiment Analysis is about determining attitudes. Sentiment analysis is one of the Natural Language Processing fields under the Control of t	Major project was a great opportunity for all the team members. We improved our teamwork and team communication. We gained sees we gained the sees we gained the sees we gained seed the sees of the s	Python, Jupyter Notebook

31	CSE-I-31	First Shift	01814802718 AVIRAL GAUTAM	01414802718 ANIRUDH GARG	01914802718 AYUSH DEVRANI	Ms. SUDHA NARANG	Research Based	Neural Machine Tramslation	Software Based Only	In this project we are using Special type of RNN called LSTM (Long short Tem memory) to achieve translation from english to french Language. Dataset is taken from a reputed website and model is trained on a Large Dataset Using Provession of Soogle Colab to achieve the maximum possible accuracy. Optimizations and suggestions have been implemented Completely and Accuracy has been improved a lot.	Technical Learnings: LSTM, Model optimization, Hyper-parameter tuning, Recurrent Neural Networks Soft Skills: Project management, team collaboration, time management	Keras, Python, Google Colab Pro, Jupyter Notebook, Numpy, MatPlotLib
32	CSE-I-32	First Shift	05114802718 JATIN CHOPRA	05414802718 KARTIK SHARMA	05514802718 KARTIK SHARMA	Dr. FARZIL KIDWAI	Research Based	Rainfall prediction using lot	Hardware and Software Based	The present focus has been moved towards carny advances the soft and Machine Learning, Numerous IoT equipment stages are accessible for IoT executions. ESP8266 chip is one of them. This paper carries out the orgoing Rainfall forecast framework that can be utilized in number of outself is the horse, wentures, farming, areas and as on for foreseeing the rainfall data. The framework uses a temperature and dampness sensor for example DHF11: a count server utilizing NodeMCU and ESP8266-01 module. The information is additionally shown on an attend HTML website page for checking the continuous qualities. As tradegic relapse model is utilized for setting up the AI climate. This model is prepared utilizing the pre-recorded upsides of sensor information. Further, NodeMCU records the information from sensors for example temperature, stickness and light power and afterward the qualities are moved to the Jupyter cartick pad that uses a python climate. This modping information is utilized to set the model to the outputer cartick pad that uses a python climate. This modping information is utilized to set the model to the outputer cartick pad that uses a python climate. This modping information is utilized to set the model to the outputer cartick pad that uses a python climate. This modping information is utilized to set the model to the contract of the country of the contract of the	Our project was successfully able to determine the rainfall by analysing the rainfall patems, we also made an ict device which was used to take the real time realings, which halped in increasing the overall accuracy of the project too.	Jupyter notebook, Arduino, python,html
33	CSE-I-33	First Shift	45414802718 NAMAN BUDHIRAJA	43414802718 NISHANT AGGARWAL	43614802718 YUVRAJ SINGH	Mr. ANUPAM KUMAR	Application Based	Fit Alliance	Software Based Only	It will be an averaged stople and before the control but will be an averaged stople and before the walking, jogging, sitting, standing, walking upstairs and walking downstairs. The application that can count no. of reps you have made in a set of exercises. The application uses a Cornolutional Neural Network (CNN) to predict user activity automatically and database storred on the phone. The users can then choose to stores the information in a database storred on the phone. The users can then choose to wasualize the statistics. It is fifteen stip that will consider an exercise and one of the control o	1) Team Management 2) Leadership Skills 3) Communication Skills 4) Collaborative Skills 5) Android Development	Android Studio, Git , GitHub
34	CSE-I-34	First Shift	01214802718 AMBUJ	07014802718 NANDEESH GUPTA	02214802718 AYUSHI MEHARWAL	Dr. FARZIL KIDWAI	Application Based	AutoFis - Fish Species Identification	Software Based Only	there is a rising requirement for computerized fish characterization to help appropriately recognize fish species and attituties in a normalized, harmless, and sawy way. All is a promising strategy to on this. In this paper, we present the aftereffects of a convolutional neural networks (CNN) used to recognize fish species across datasets. Our proposed model enhances a formerly flatinized model by Rathill et al. (2015). The exhibition of our superior model is shown with true information from FisherKowiedge site. NICOS is shown with true information from FisherKowiedge site. NICOS is tap recision and to foster appecies-explicit warmings it is important to gather the fish-get data at the species level. Mind fisher popole are steady to these endeavors, frequently species level find detailing is having obstacles because of a few reasons relating to manual endeavors which brings about fow or misstaken announcing. We are fostering an AI-ML model in light of devices for picture based D of fish-species found in the Indian oceans. The pictures of fishes might be taken from online picture look. (NCOS) will causely a contractive of the picture based to send the contractive of the picture based to the contractive of the picture	Machine Learning, CNN , Python, Web Scraping	Python, Google Collab, GitHub, Beautiful Soup, RoboFlow
35	CSE-l-35	First Shift	03114802718 DEEPANSHU SINGH	02914802718 DEEPAK KUMAR	05214802718 JATIN SHAMI	Mr. AJAY TIWARI	Application Based	Graphical password Authentication	Software Based Only	A graphical password is an authentication system that works by haring the user select from images, in a specific order, presented in a graphical user interface (OIL) or first reason, the graphical-password approach is called graphical user authentication (IGUA). The most common computer authentication method is to use alpharumerical usernames and passwords. This method has been shown to have significant disadvortages. For e.g. users frend to choose passwords that can be easily guessed. On the other hand, if a password is difficult to guess, then it is other difficult to remember a password with the properties of the setting graphical password conduct a comprehensive survey of the existing graphical password techniques and provide a possible theory of our own. Graphical password schemes have been proposed as a possible alternative to text-based schemes, by the fact that humans can remember pictures better than text. Pictures are generally assier to be remembered or recognized than text.	Graphical password is a better alternative for authentication system than alphanumeric password. Nejor flaw with image password is that it requires much more storage space than text based passwords. Graphical password schemes provide a way of making more human-friendly passwords.	Python, MySQL and Visual studio code

36	CSE-I-36	First Shift	44614802718 UTSAV KUCHHAL	75314802718 ADITYA BHARDWAJ	50114802718 SHIVANGI	Dr. NEERAJ GARG	Application Based	Smart Attendance Capturing Mobile App	Software Based Only	Capture, Basic Details of Employee, Photograph, Name, Designation, Employee no, Office Address, gender, Recognize the Employee by face while capturing the Attendance through face, and the Capturing the Attendance through face in Capturing the Attendance through face in Capturing the Attendance recognizion and enter the relevant details including entry time in the Succession of Capturing of Capturing the Capturing of Capturing the Similarly while leaving the office premises employees will be recognized by their face and exit time will be recorded fentered into the system. The apply all carefactions of taken and allow the attendance only in the geofericand areas i.e. 100 meters longitude of the premises, otherwise, the app will automatically yout. The apply will work for any specified Employee with or without wearing spectates. cape, or industrial hermets.	Improved Conflict-Resolution Skills Teamwork Finding Solutions to Complex Problems Leadership Skills Creativity	Android Studio Figma
37	CSE-l-37	First Shift	05914802718 MADHAV KHURANA	43014802718 NAMAN AHUJA		Dr. SANDEEP TAYAL	Research Based	The Social House	Software Based Only	It is a social media platform with enhanced interactivity. Video is generally used in these applications in order to provide a richer sense of presence, help coordination of communication and facilitate emolican expression. However, delivering high-quality video to larger groups remains technically challenging, since the available bandwidth has to be shared between users.	WebRTC API, socket programming, react js, node js, website development, video optimization	WebRTC API, socket programming, react.js, node.js
38	CSE-I-38	First Shift	36214802718 SATVIK DHINGRA	35214802718 AMAN OSAN	36014802718 PARTH AHUJA	Mr. YOGESH SHARMA	POC/Innovative idea	InspectaThor	Software Based Only	Insurance is something that every person and every company wants due to the uncertain current situation of the world. Insurance industry is huge because the file and properly of an individual or the assets of a company are surrounded by the risk of seath, disability or destruction, humanices provide a hedge to these uncertain coronatances. Current advances in information technology, Machine Learning and Artificial intelligence can mark the beginning of a vertiable efficiency resolution in the insurance industry. We believe the processes involved in Insurance can be streamlined very easily by the help of technology and have seldom been done.	Creating an efficient and user friendly KYC process. Learned to create RESTful APIs to connect the backend to from the control of th	Python, Tesseract, React, HTML, CSS, JS, FastAPI, Heroku
39	CSE-I-39	First Shift	43914802718 PARAS CHUGH	42714802718 HIMANSHU SINGH BISHT		Mr. ASHISH SHARMA	POC/Innovative idea	Decentralized Crowd-Funding Using Blockchain	Software Based Only	Crowd funding is an online money-raising approach that began as a way for people to donate a little amount of money to help inventive people fund their ventures. People may invest in pioneering by using crowdfunding. Businesses can use the processing by using crowdfunding. Businesses can use condemancing is through a condemancing is through a condemancing is through a third-party characteristic in the project and the investor have no centred over the money contributed. This paper offers a blockchain-based crowdfunding infrastructure that can provide a private, secure, and decembratized crowdfunding path. The major poal of this paper is to allow investors to successfully contribute to any project by establishing mant contracts that allow contributors to have control over their money and	1) Knowledge of Blockchain technology 2) Implementation of Blockchain in real-world scenario. 3) Implementation of look tips 4) Learning about transactions using ethereum. 5) Learning solidity language	VSCode, Remix editor, metamask, vercel CLI, Solidity
40	CSE-I-40	First Shift	44814802718 ANUJ ARORA	75114802718 RHYTHAM JAYEE	45014802718 AYUSH PANDEY	Ms. MINI AGARWAL	Application Based	Student Verification System Using Blockchain	Software Based Only	In India, the basic structure of a student's studies goos like sithing admission in kindergaten, after that changing dischool primary, admission in kindergaten, after that changing dischool primary, and the studies of the studies o	1. Able to demonstrate a sound technical knowledge of Blockchain Technology. 2. Able to undertake problem identification, formulation and solution. 3. Able to design engineering solutions to complex problems unlizing a systems approach. 4. Able to conduct an engineering project. 5. Able to communicate with engineers and the community at large in written an oral forms. 6. Able to demonstrate he knowledge, skills and attitudes of a professional engineer.	Solidity, Javascript, Blockchain, Remix, Ethereum, Truffle, Ganache, Smart Contracts

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41	CSE-I-41	First Shift	00114807219 RAJAT PANWAR	00214802718 AAYUSH KINDO	00314802718 ABHINAV GUPTA	Ms. PRERNA SHARMA	Research Based	Stock Price Prediction using Stacked LSTM-Deep Learning	Software Based Only	The objective is to predict the stock prices in order to make more informed and accurate investment decisions. We propose a stock price prediction system that integrates mathematical functions, machine learning, and other external factors for the purpose of achieving better stock prediction accuracy and issuing profitable trades.	We learned to develop a deep network model to simultaneously predict the opening price, the lowest price and the highest price of a stock on the next day according to the historical price of the stock. We learned examine the feasibility of LSTM in attock market forecasting by lessing the model with historical data points. We Learned to analysis of Stock Merket.	Tensor Flow,Kerras, Pandas-datareader, Numpy
42	CSE-I-42	First Shift	20914802718 KSHITU KATIYAR	40414802718 KUNAL	45614802718 PRATEEK TAGORE	Ms. DEEPTI GUPTA	Application Based	Epubator: Pdf to Epub Converter	Software Based Only	The objective of our Project was to create a secure pdf editor and PUB Converter that is saay to use and here simple interface. It is completely secure as it does not upload the PDF file to any insecure internet.	Integrate Information from multiple resources. 2.Refine and practice the skill 3. Team work and man management.	ITEXT library, Android Studio, Apache Freemaker,Readium SDK
43	CSE-I-43	First Shift	10214802718 UDIT JAIN	10314802718 UMANG TIWARI	04514802718 HIMANI SHEORAN	Ms. SAVITA SHARMA	Research Based	Link prediction on social media	Software Based Only	Link prediction is to predict whether there will be links between two nodes based on the attribute information and the observed existing link information. Link prediction not only can be used in the field of social network but can also be applied in other fields. As in bioinformatics, link prediction can be used to discover interactions between proteins; in the field of electronic commerce, link prediction can be used to create the seconomication system; and in the security the recommendation system; and in the security the recommendation system; Link prediction is closely related to many areas. Therefore, in recent years there is a lot of correlation algorithms proposed to solve the problem of link prediction.	An introduction to link prediction, how it works, and where you can use it in the real-world Learn about the importance of Link Prediction on social media build your first Link Prediction model for a Facebook use case using Python	Python Machine learning Graphs
44	CSE-I-44	First Shift	08614802718 ROHAN SINGLA	06514802718 MOHIT PANWAR	08814802718 ROHIT PANDEY	Ms. SAKSHI JHA	Research Based	Sign language detection	Software Based Only	Everyday we see many people, who are facing illness like deat with all care are not as many bethodogies which help them to interact with each other. They face difficulty in interacting with others. Sign language is used by deaf and hard hearing people to communicate with others. Computer recognition of sign language deals from sing gesture acquisition and continues till text/speech generation. Sign gestures can be classified as static and dynamic. However static gesture recognition is simpler than dynamic gesture recognition but both recognition systems are important to the human Persponsessing was sperformed on the images that he help of label image tool, which then be served as the cleaned input. Tensor flow is used for training of images. Trained Model will then be stored to the ibm cloud and then we develop react app which will be used to be images and request the model to recognize the images. This react app will serve as a tool for sign language detection. Tensor flow is used for training of image. Training of image, training of image is undecided to the common two is used for training of image. If the common two is used for the storage of the trained model. Keywords XCR, recognition system, convolutional neural	How to train model, upload model on ibm cloud and intergrate model into react	Tensor flow, jupyter, ibm cloud, python,vs code
45	CSE-I-45	First Shift	04914802718 ISHAAN SINGHAL	01614807219 ANSHIK BANSAL	05714802718 KRISHNA MADAN	Mr. YOGESH SHARMA	POC/Innovative idea	Using Innovative Blockchain Technologies in Emergency Management and Disaster Response	Software Based Only	The NDRF relies on a lot of data to quickly action during the time of disaster. Current limitations are that there is no one common platform / Integrated or adaptate for thantistin exect. Blockchain is one suitable bethrology that is a secure, distributed, and immutable entergoting than the substituted of the secure distributed, and immutable entergency management can provide interoperability between many parties involved in response and provide transparency. Our scope of the project includes but is not limited to building a common platform, with immutable data sharing, secure sharing & management, demand reporting, improving trust with 3rd party verification, tradeing, and visibility, noncomy solutineer effort, tool address the challenges in disaster response mechanisms.	We've learned state-of-the-art tools like HardHat. Brownie, Infura to build a decentralized application on Polygon Malic Blockchain that promotes transparency in our system.	Solidity, Ganache, Polgyon Matic, Brownie, React, Infura

46	CSE-I-46	First Shift	07614802718 PRADHUMAN SINGH	00614802718 ACHINT SINGH NARANG	06714802718 NAMAN ARORA	Dr. ASHISH KHANNA	Research Based	Leveraging swarm intelligence for policy evaluation	Software Based Only	In a democratic nation like India, the council of a nation is the entity in power elected by the country's citizens to manage the nation. A policy is defined as "A course of action or principle of action adopted decision taken by the government is translated into a policy or a program. Therefore, access to public benefits also requires evaluating the performance of public schemes. The success of a program is a direct indication of the success of the leaders who started it. The effectiveness of a policy can in turn be measured by various techniques such as collecting statistics on its impact or of the regime. Another method, which seems to be more effective, consists in obtaining the opinion of the target group of the policy. A policy aimed at the welfare of a particular part of society would not be considered successful if that part of society does not benefit from it or finds fautt with it. Therefore, collecting and analyzing the sentiments of the target group is often seen as an important and effective telp in measuring the success of a policy.	The Indian government launched Digital India on July 1, 2015, with the goal of making all its services critine and accessible to all its discress. Opinion mining of tweets on "Bigliat India" revealed that 46.5 percent of respondents supports the programme, while 24.5 percent is sopplical. This model will not only assist the government in understanding its effect on the community, but also provide proposed framework has a wide scope and can be extended and implemented in a number of different application areas such as business analytics, healthcare systems, fault detection etc.	Python, Machine Learning, Jupyter, Anaconda, Kaggle
47	CSE-I-47	First Shift	41814802718 ARPIT GOEL	41414802718 ANIKET SINGH	42214802718 UPMANYU AGRAWAL	Mr. SAURABH RASTOGI	Application Based	Platform for Household Culture and Traditions	Software Based Only	To develop a platform where verified organizations across the country can showcase their locale cultural heritage and tradition transport of the country. The platform allow stronghout the country. The platform allow stronghout her country and traditions on yearly based on their local cultura and traditions on yearly based. The platform allow organizations to view participants and show the results of the event. The platform also allow normal users/other than organizations) to participate in the event of their organizations. It allow normal user to view, like, dialike and share the showcased results of the events of other organizations too.	The project follows Industry Project Structure is File Structure Understanding of various programming aspects. Understanding of various data sets, ML algorithms for recommender system and toxicity Analyse. The most important one understanding of various Cultures and Heritage of India.	Visual Studio Code (Editor) Node js, express js(Backend) React.js (Material ui , react-Bootstrap, semantic-ui for Frontend)
48	CSE-I-48	First Shift	09914802718 SIDDHARTH SETH	09614802718 SHIVAM SHEKHAR		Ms. RUCHI GOEL	POC/Innovative idea	Speech Emotion Recognition	Software Based Only	Emotions are the most common way on how express ourselves. Emotion detection from voice can be used for various applications like Digital assistants like Siri, Cortona, Alexa, Google Assistant. Followiness marketing, where they can recommend products based on user emotions and machine outsomer support, machines can detect the customer's emotions and register and the customer's support, machines can detect the customer's emotions and register support and continual way to express ourselves. We depend so much on it that we recognize its importance when resorting to other communication of the communication. The detection and analysis of the same is of that importance in valve's digital world of remote communication. Speech Emotion Recognition is the challenging problem in ways such as emotion may differ based on the environment, culture, individual face reaction leads to ambiguous findings. Speech Emotion Recognition, abbreviated as SER, is the act of attempting to recognize human emotion and affective states from speech. This is capitatizing on the fact that vice charmeters.	Understanding of MLP , Neural networks working , various python libraries utilization and implementation	Python , librosa , MLP classifier , .wav audio files , jupyter notebook
49	CSE-I-49	First Shift	41514802718 CHETAN AGGARWAL	42114802718 HIMANSHU DAHIYA	42514802718 SHUBH GOYAL	Ms. MINI AGARWAL	Application Based	Aarekh 2.0 - an Augmented Reality Based App	Software Based Only	To enhance the learning ability of Students using Augmented Reality, Visualization in 30 is not easy for students, and this enhancement will make it more informative, effective and visually attractive. The prototype provides attudents and teachers with 30 models based on AR which are interactive and scalable.	1. Understanding the problem statement and identifying corresponding objective. Jennifying the tools and technology to be used for solving the problem. 3. Comparing various solutions and choosing the best one. 4. Working in a team and communicating efficiently. 5. Developing the project effectively by following a software development lifecycle.	Blender, Vuforia, Unity 3D, C# script
50	CSE-I-50	First Shift	02414802718 BHARAT GOMA	02514802718 BHARTI SURAJ RAMASHANKER		Mr. AJAY TIWARI	Research Based	Online Voting System	Software Based Only	Technology is changing very rapidly and with new bools and setmology comes alternate and better ways of doing things. Security and trapperency are some of the threats which the world faces. Similarly, the elections are held by a centralized party and there is always a possibility of data tampering. Blockchain is one such technology that can deal with such threats. Blockchain is digital information recording system that is created in such away that makes it very difficult to tamper with data.	Understanding the blockchain Tachnology Understanding solidity Gilimpse of Ethereum Blockchain Hands-On on Frontend Development	Solidity, Ethereum, Ganache, Mocha, ReactJs, Metamask, Javascript

51	CSE-I-51	First Shift	00814802718 AKHIL ANUGRAH XAXA	04114802718 HARSH GUNWANT	35914802718 NISHCHAY GUPTA	Ms. SAVITA SHARMA	Application Based	Socio analyser: multilingual Twitter sentiment analysis using xlm-roberta	Software Based Only	Code-mixing is the phenomenon of mixing the vocabulary and syntax of multiple languages in the same sentence. It is an increasingly common occurrence in today's multilingual society and poses a big challenge when encountered in different downstream tasls. Present-day Sentimert Analysis models can be used tasls. Present-day Sentimert Analysis models can be used vitted to the sent of the s	After much iterations over weeks, we observe that using XLM-Roberta consistently outperformed the other techniques. Using it, we achieved an accuracy of 75.7% on test data. After these results, we were able to map the data from whether to our web portal in real-time. Visualization of not only the sentiments, but also geographical mapping of the data, most used vorsid solongaide brand name and representation on exempting distribution of sentiments was made evailable in this portal.	Python Lemmetzation Sci-kit Pytorch Flask NLP XLM Roberta
52	CSE-I-52	First Shift	35714802718 KHUSHI BANSAL	35514802718 ISHITA ARORA	36314802718 SHRUTI AGGARWAL	Dr. ASHISH KHANNA	Application Based	Health Manager	Software Based Only	hand considerion answers. Priors programme to a constraint of the city of Whann. China, has quickly spread to various countries, with many cases having been reported worldwide. As of May 8th, 2002, in India, 56,342 positive cases have been reported fundia, with a population of more than 1.34 billion—the second largest population in the world—will have deficulty in controlling the transmission of severe acute respiratory syndrome coronavirus 2 morning is population. Multiple strategies would be highly mecessary among the population. Multiple strategies would be highly mecessary modeling, statistical brole, and quantitative analyses to control the appread as well as the rapid development of a new treatment. The Ministry of Health and Family Welfare of India has raised awareness about the recent outbreak and has taken necessary actions to control the spread of COVID-19. The central and state government are taking several measures and formulating several warfiner protocols to achieve this goal. Moreover, the Indian government implemented as 55-days lockdown troughout the country that starte on Mench 250, 2020, 100 down throughout the country that starte on Mench 250, 2020, 100 down throughout the country that starte on the control of the vites. The control of the vites of the country of the control of the vites of the country of the country of the started country and the first development of the vites. The control of the vites of the country	The uniqueness, importance, objective of this project lies in doing some good for the society, solving a serious problem fixed by people. Once this software is hosted, everyone would be able to know the right information important for them at the right time. Users of COVID-19 Tracker will not have to panic at the situation of emergency and get all the necessary information at one place. There are no risks involved in the tech-stack of the project because all the techcolage are well-established, though the APTs used in this projects update their information on a day to day basis without might lead to slightly inaccurate information to at the amount of deletation on the actual value is expected to be registive to the control of the project in the p	a) Fromein Development 1. VSCODD Visual Studio Code is an integrated development environment made by Microsoft for Windows, Linux and macOS. Features include support for debugging, syntax highlighting, intelligent code completion, snippets, code refactoring, and embedded Git. 2. Adobes XD is the UX/UI design solution for experienced designers to design, prototype, and share engaging user experiences. 3. HTML HTML (HyperText Markup Language) is the most basic building block of the Web. It defines the meaning and structure of web content.
53	CSE-I-53	First Shift	40814802718 LAKSHAY CHAWLA	35814802718 MEHUL REKHI	35114802718 ADITYA MEHTA	Mr. AJAY TIWARI	Application Based	Automated Notes Maker from Audio Recordings	Software Based Only	Ever wish you could just speak your thoughts into a document instead of writing or typing them or convert your online lectures to transcripts? We aim be provide a one stop solution for Speech to text conversion using Deep Learning, Convolutional Neural Networks.	During the project, we learnt how to deal with unseen problems while making a splution for a given problem statement. We also incudeated work ethics like internal deadlines, great team. See also incudeated work ethics like internal deadlines, great team. Seeing lead by an amazing gaide, we were able to solve any problems that we faced and came up with interesting yet functional solutions.	Tensorflow library with python using anaconda IDE
54	CSE-I-54	First Shift	00714807219 ANIKET KUMAR	00914807219 VIPUL KUMAR	01414807219 AYUSH GAUTAM	Dr. NEERAJ GARG	Application Based	Educators.io	Software Based Only	Every year through the government exams plenty of teachers are hired and posted in various government schools. The tracking of teachers from recruitment to their entire service duration is done manually which makes it difficult to manage and keep track. Addressing this problem will give government the ease of managing teachers through one single portal which will help in maintaining clear stats of the teachers currently posted.	Used effectively oral, written and visual communication. Identified, analyzed, and solve problems creatively through sustained critical investigation. Managed time good. demonstrate skill and knowledge of current information and technological tools and techniques specific to the professional field of study.	1. VSCODE 2. BROWSER(Chrome, Firefox, etc) 3. MongoDB 4. NodeJS 5. Postman 6. ROBO3T
55	CSE-I-55	First Shift	04314802718 HARSHIT	02014802718 AYUSH KUMAR SINGH		Dr. JYOTI KAUSHIK	Application Based	ARDUINO BASED CUSTOMIZABLE VEHICLE DISPLAY SYSTEM	Hardware and Software Based	Ower the past decade there has been a growing interest and enthusiasm, for electric vehicles. Will the stations be state over by fast charging stationa? Will the transportation sector of the future be electric? Governments have offered subsidies, supported the installation of a charging environment, and are starting to develop regulatory initiatives to support and manage an electric vehicle filest in fact, some governments, have amnounced that they will not permit he sale of new isosal-ful based admorbiles after 2040. The car he sale of new isosal-ful based admorbiles after 2040. The car now investing billions of dollars in their production. As we can see the future is electric, evoked with which less like a veint. After 450x and many more similar whiches running on roads, India has also stated the transmission from gasoline based to lectric whiches at this time there is a constant need of designer equipment that can add on to basic electric whiches. An Ardunio based customizable display was developed using half sensor, 3.5 inch TFT display ext. between the control of the state of	Learning to code for hardware based projects and teamwork with people from different fields.	Arduino IDE Arduino Microcontrollers(UNO,MEGA,LEONARDO) Arduino compatible sensors(hall effect)

56	CSE-I-56	First Shift	41914802718 JATIN MALHOTRA	42014802718 YASH GUPTA	43214802718 DEEPAK SHARMA	Dr. JYOTI KAUSHIK	Research Based	Network Intrusion Detection System	Software Based Only	IDS stands for Intrusion Detection System. It helps in monitoring network traffic and detects unwanted intrusions to secure our system from any find of attacks or malwares. We basically used KNN datasets and NIDS as an algorithm to find the best possible way to get our results. We have used different models like Decision Tree Model, Gaussian Naive Bayes Model, K-Neighbors Classifier Model, Logist Regression model. To bald an algorithm for Model, togist Regression model. To bald an algorithm for intrusion. In our project we found that the KNN algorithm is fastest and that's why we adopted it.	In this research, The implementation design provides a framework for the modeling of effective network intrusion detection systems. Integration of network intrusion detection systems integrated on fewtowic intrusion detection systems with a line of intrusion prevention mechanisms will greatly improve on the system to preformance. The advantages with this is that it allows the system to remain the advantage of the size of the system section of the system scalability since devices can easily be added or menowed from the system without affecting its overall performance. Configurations not being field onto a single device reduces the chances of having a single point of failure. The system is also effective since it looks at both estemnal attacks and internal attacks that make up one of the most dangerous threats to network security. It is an adaptable system that can be customized to meet the different needs in different areas.	Python
57	CSE-I-57	First Shift	06914802718 NAMIT JAIN	06614802718 NAKUL NARANG	07514802718 PARCHAM GUPTA	Ms. RUCHI GOEL	Research Based	Preliminary Disease Detection System using Deep Learning	Software Based Only	The medical infrastructure of the developing nations tices two prominent issues today, namely, the unavailability of medical staff and late or delayed diagnosis of major diseases. Such problems are acaused due to the rapid increases of population and the widening margin between the availability of quality medical facilities in the unavailability of various diseases. While most or rapid rise in the discovery spread of various diseases. While most to be harmless in about 50% of the cases like cold, fever, cough etc. Proper medication is usually avoided in such cases by the patients and they prefet testing some common general-target medicines in paracetamol, aspirin, cestrizine etc. Such medicines won't cure the disease, and for to treated in time, it can be dangerous for the patient. Smart disease detection and diagnosis systems can contribute significantly towards developing a more ready available and efficient medical infrastructure. To help provide people with the appropriate dagnosis of the disease, this project resents a not provide properties of the propriate diagnosis of the disease. This project resents a company reports like X-rays, Mills etc. along with some medical internative, and to the cases as the reading the sases as the reading the sases as the reading the sases as the same programment of the primary reports like X-rays, Mills etc. along with some medical internative, and in the cases as the reading of the sases the reading of the sases as the reading of the sases the reading of the same the reading of the same t	Team work, Time management, coordination, machine learning, machine model deployment, machine learning model tuning, front end development, backend development	Python, Tensorflow Keras, Flask, Google Colab, Kaggle Notebooks, VSCode, OpenCV, Numpy, Pandas, scikil-learn, matpoliib, seaborn, HTML, CSS, MacOS, Windows 10
58	CSE-I-58	First Shift	08114802718 RISHABH JAIN	08014802718 RISHABH	08714802718 ROHIT KUMAR	Ms. KAVITA SAXENA	Application Based	Multiple face mask Detection	Software Based Only	The corona virus COVID-19 pandemic is causing a global health crisis so the effective protection methods is wearing a face mask in public areas according to the World Health Organization (WHO.). The COVID-19 pandemic forced governments across the world to impose lockdowns to prevent virus transmissions. Reports incident but wearing facemasks while at work clearly reduces the risk of transmission. We will use the dataset to build a COVID-19 face mask detector with computer vision using Python. OpenCV and Tensor Plow and Kersa. In our proposed it gives alert sound(fuzzer) when someone not wearing mask.Our goal is to identify whether the person on imagelvideo stream is wearing a face mask or not with the help of computer vision and deep learning.	Team work, Deep Knowledge about ML, implementation of project in smartphone, working in limited period of time.	DeepLearning, Computer Vision, OpenCV, Tensorflow, Keras.
59	CSE-I-59	First Shift	10114802718 TEJASV SINGH SIDANA	09314802718 SARANSH SINGHAL	09114802718 SACHIN JINDAL	Ms. NEELAM SHARMA	Research Based	Machine Learning Based Predictive Maintenance	Software Based Only	Recent developments in maintenance modeling fueled by data- based approaches such as machine learning (ML) have enabled a found range of applications. Melantance is a crucial activity in the industry, with its significant impact on costs and reliability, and is immensely influential to a company's ability to be competitive in low price, high quality, and performance. This paper aims to perform predictive maintenance using machine learning techniques. Three different datasets are chosen in this study for our objective. The performance of different machine learning algorithms for the task of predicting machine failure is analyzed and compared to find the bes- approach for the particular prockers. Different recalling and feature selection strategies were used in order to study their effect on the performance of various algorithms.	maintenance techniques. We were able to study various existing machine learning algorithms and evaluate, compare their performance for the task at hand, i.e. predictive maintenance. We	Google Colab, Python , Jupyter Notebook , Google Docs ,MS Word , Google sheets ,MS Excel.
60	CSE-I-60	First Shift	44214802718 BHOR SHARMA	44714802718 CHIRAG BAJAJ	45514802718 SHREENIVAS SINGH	Dr. SANDEEP TAYAL	Research Based	Crop prediction using ML	Software Based Only	With the impact of climate change and the new farm bills that have been passed in India, majority of the agricultural crops are being aduly affected in terms of their performance over a period of last two decades. Predicting the crop yield well ahead of its harvest would help the policy makers and farmers for taking appropriate measures for marketing and storage. Such predictions will also help the associated indicates for planning the logistics of their bosiness. It is associated indicates for planning the logistics of their bosiness. It is a production to the production to the production schooling is used to predict the suitable crop prediction schooling is used to predict the suitable crop by sensing various parameter for soil, and also parameter related to atmosphere. Parameters like area of crop production, thempeature and pH scale are considered for the predictions of crop yield. Keywords—crop yield, temperature, area, pH, machine learning	Prediction of crops by using rainfall, ph, soil profile etc. As factors	Machine Learning

61	CSE-I-61	First Shift	10614802718 VARUN PAWAR	10514802718 VARUN DEV	06314802718 MAYANK CHAUDHARY	Dr. DEEPAK GUPTA	Application Based	Graphical Password Authenticator	Software Based Only	Background: Passwords are ubiquitous today on any platform, on possibly any website. But to remember so difficult passwords and has been considered to the properties of the p	CORS Djargo Git Hub React US Hash Salt Debugging Encryption Event loop Event loop Cyber Security Scalable code Api authorization Hacking Techniques Djargo Rest Frame Work Djargo Rest Frame Work Djargo JWI authorization Asyncronous programming	Django , Django Rest Framework , React JS , simple JWT , KNOX , CORS HEADERS , VS CODE , PyCharm ,Linux , Git Hub
62	CSE-I-62	First Shift	03014802718 DEEPANSHU AGARWAL	02614802718 BHUPEN PAL	. 06414802718 MIHIR SOOD	Ms. NEELAM SHARMA	Application Based	OCR Captcha for Visually Impaired Users	Software Based Only	Making a different way for Filling captcha which is secured and safe from ROBOTS	Machine Learning, How ML model Works, How to Optimize models, Data Cleaning	Python, VS, Jupyter Notebook, Scikit Learn,
63	CSE-I-63	First Shift	36814802718 YASHIKA KHURANA	36414802718 SHRUTI GUPTA	20814802718 ADITI SOOD	Dr. DEEPAK GUPTA	Research Based	LEVERAGING COMPUTER VISION FOR GENDER, AGE AND ETHNICITY PREDICTION	Software Based Only	With science and technology taking quantum leage everyday, a lot of progress has been made in the field of deep networks and computer vision. Identifying various features from input face images to draw meaningful information and critical insights has gamered much interest. However, these results lack sufficient accuracy due to the convoluted network architecture and complexely of time regarding the weight suboptimal solution. This paper aims to create a model that predicts age, gender, and ethnicity using the UTK-face Dutatest. Post the data cleaning and label extraction, various neural network. The characteristic production of the control of a robust and efficient model for the purpose of gender prediction while Efficienthy 18 out the complexity of white one of the control of the shanes the performance of age and ethnicity prediction.	We researched about the various neural network architectures and compared them on the basis of evaluation metrics (testing acc. precision, recall, F1 store, specificity etc.), we also learned about data pre-processing, label extraction & general data cleaning.	Google Colab, Keras, Tensorflow
64	CSE-I-64	First Shift	04814802718 HITESH GARG	01714802718 ANUJ JAIN	02714802718 CHANDAN RANGA	Ms. KAJOL DAHIYA	Research Based	Cryptanalysis of Clipher Texts using ANN	Software Based Only	We look forward to performing cryptanalysis for a comparative analysis of the feasibility of using this modern Al based analysis on various ciphers ranging in complexity. The encryption algorithms range in complexity, from the less complex ones like caesar cipher, XOR cipher to complex ones like DES, 3-DES, and AES.	->Develop plans with teammates to achieve the project's goals ->Identify links and dependencies, and schedule to achieve deliversaller>Allocate roles with clear lines of responsibility and accountability>Tackle more complex problems than they could on their own>Delegate roles and responsibilities>Pool knowledge and skills>Hod one another (and be held) accountable>Develop new approaches to resolving differences>Establish a hand dientily with other group members>Find effective peers to emulate>Develop our own voice and perspectives in relation to peers.	Python, NumPy, TensorFlow framework, Keras API, Pycryptodome, Termplot
65	CSE-I-65	First Shift	04014802718 HARDIK BACHHAN	04714802718 HIMANSHU SINGH RAJAWAT	07914802718 RAJAT GOEL	Dr. ANKITA GUPTA	Research Based	Predicting the Averse Events Following the Receipt of mRNA based COVID-19 vaccines	Software Based Only	In December 2020, the US Food and Drug Administration (FDA) issued the Emergency Use Authorization (EUA) for two mRNA-superior of the Committee of the Committe	The purpose of machine learning is to discover patterns in your data and then make predictions based on often complex patterns to answer business questions, detect and analyze trends and help solve problems. This project helped us understant how to evaluate models generated from data and how to apply the algorithms to a real problem, optimize the models learned and report on the expected socuracy that can be achieved by applying the models.	R studio R R Google Colab Intel 15 CPU Nvidia 2GB GPU 8GB RAM Modules

66	CSE-I-66	First Shift	03914802718 GOVIND DHINGRA	03814802718 GAGAN MITTAL	04214802718 HARSH VARDAN	Ms. SAKSHI JHA	Research Based	SECURED DOCUMENT STORING USING BLOCKCHAIN	Software Based Only	we are proposing a secured decentralized document storing and sharing option in which we are using IPFS which enables us to store large files and put immutable, permanent links in transactions. Our solution uses Huffman compression for file size optimization and RSA encryption is used for data security purposes.	1. Learned about Decentralized & blockchain system 2. Learned about different tech stack IPFS, solidarity 3. Learned about how to effectively communicate in a team project	Metamask, Vscode, rinkeby
67	CSE-I-67	First Shift	41214802718 PRABAL SHARMA	41114802718 SANCHIT MANCHANDA	41314802718 SIMRANJEET SINGH	Mr. ALOK KR SHARMA	Application Based	Network Traffic Analyser	Software Based Only	Detect anomalies in a network	Packet detection/analysis in a network Obsterring algorithms	Python
68	CSE-I-68	First Shift	00414807219 MOHD ARIFULLAH	01014807219 FAIS KHAN	01214807219 YASH HANDA	Mr. ALOK KR SHARMA	Research Based	DRIVER DROWSINESS DETECTION SYSTEM	Software Based Only	correlessness are the key contributions in the accident scenario. The fatalities, associated expenses and related dangers have been recognized as serious threat to the country. All these factors led to the development of Intelligent Transportation Systems (ITS). ITS includes driver assistance Systems (ITS) and the development of Intelligent Transportation Systems (ITS). ITS includes driver assistance Systems like Adaptive Crusiae Control, Park Assistance Systems, Intelligent Headlights. Blind Spot Detection Systems, etc. Taking into account of these factors, the driver's state is a major challenge for designing advanced driver assistance systems. A countiess number of people drive on the highway day and right. Tax drivers, but drivers, butch drivers and people traveling long-distance suffer from lack of sleep. Due to within the scene severy produced to the when fellengery. The majority of account of the when fellengery.	We were able to understand different deep learning algorithms like: 1. Linear Regression 2. Stochastic Gradentr Descent 3. Ada Optimizer Also we learned different software tools: Anaconda, OpenCV, Keras, Tensorflow Finally we learned about the drowsiness problem and gave a solution for this.	Language: Python Software Tools: Anaconda, OpenCV, Keras, Tensorflow, Pygame
69	CSE-I-69	First Shift	00814807219 ASGHAR MEHDI	05614802718 KESHAV KUMAR MITTAL				Desaster management	Software Based Only	This project presents a system to classify messages that are sent during disasters. There are 36 pre-defined categories, and exemples of these categories include Aid Related, Medical Help,	What to do and how to get help in disaster	Machine tearning.
1	CSE-II-01	Second Shift	35414802718 ISHAAN KALRA	02496402718 PRANSHUL AGGARWAL	01596402718 KUNAL KUSHWAHA	Dr. POOJA GUPTA	Research Based	OPPORTUNITY RECOMMENDATION SYSTEM	Software Based Only	The proposed project aims to first relevant opportunities for the users opin in a disabest based on the opportunities unside the interministic and the second project of the project of the second pro	The proposed model has been implemented in an anacorda environment on the local machine using juryter-lab. For implementation, first we collected the data through accarging which led to some inconsistencies with the data. The data collected was around 5500 opportunities with the data. The data collected was around 5500 opportunities with a features like description, qualification, type of opportunity (such as job, competition etc), ocation of opportunity, eligible contries, funding, Only some of the features were judged on the basis of relevancy of feature white, clustering and predicting. To clean this data, pandes package was used and to fill non available. After cleaning, a featured engineering dataset was created where the columns with discrete values were transformed into numerical values and for features like description, vectorisation was done. Then the number of efficient clusters was observed using the elbow method both with or without the description vector which gave us our K as 10.	NumPy is the fundamental package for scientific computing in Python. It is a Python illibrary that provides a multidimensional array object, and an assortment of routines for fast operations on arrays, including mathematical, logical, shape manipulation, sorting, selecting and much more. Pandas Pandas is a Python package providing fast, flexible, and expressive data structures designed to make working with "relational" or "abeled" data both easy and intuitive. It aims to be the fundamental high-level building block for doing practical, real-world data analysis in Python.

2	CSE-II-02	Second Shift	40396402718 HIMANSHI	40996402718 AYUSH AGARWAL	40196407218 SACHIN GIRI	Ms. KARUNA MIDDHA	Research Based	MOVING VEHICLE REGISTRATION PLATE DETECTION USING CV	Software Based Only	Vehicle registration plate detection is a system which will detect the registration plate of a whicle from an image/wide frame and trition plate of a whicle from an image/wide frame and trition detect the text on the registration plate. Detection of Registration plate. Estracting Text from Registration plate image. For Registration plate detection, there are plenty of deep learning based convolutional nearl networks available such as YOLO, SSD with reaNET. Feater-RCNN etc. out of which we chose the latest YOLO/You only Look crosc), YOLOVS. Why? Because YOLOVS is the site of the state of the st	After doing this project we learnt about the problems which can be easily solved by implementing computer science approaches, we learnt about two wc can solve actions opportunities of the solvent so	Jupyter Anaconda Yolo
3	CSE-II-03	Second Shift	03396402718 UTKARSH SRIVASTAVA	41896402718 MRINAL KOTHARI	35396402718 PARTH RASTOGI	Ms. AKANKSHA KOCHHAR	Application Based	Hyperion	Software Based Only	p75, 960, p65, p99, p99 9), TCP Acceptance, TCP Connections, TCP LHE analysis, etc. NIAU uses Hyperion internally which also makes it extremely flexible and extensible. NIAP provides an extremely user-finedry web based UW which helps montror all kinds of data streaming through the Hyperion Core.	Our team were able to understand the importance of teamwork and collaborate together to create a protect that is required and capable to fill the demand in market with providing better solutions to tech industry. Problem solving skills were improved and gain knowledge to create a project from scratch.	Kubernetes Frontend Technology like React, Typescript Rust gRPC REST
4	CSE-II-04	Second Shift	02996402716 RISHAV RAJ	00296407218 AKSHAY BHARTI (YB)		Mr. SAURABH RASTOGI	Research Based	Remote Access Tool	Hardware and Software Based	A Remote Administration Tool or RAT is software that gives a person full control of a tech device, remotely. The RAT gives the user access to your system, just as if they had physical access to your device. With this access, the person can access your files, debte files, download files and create files. RATs can be used legitimately. For example, when you have a technical problem on your work computer, sometimes your comported in guy when you have a technical problem on your work computer with an internet connection, TCPIP or on a Local Area Network can be remotely administered. For non-maticious administration, the user most install or enable server software on the host system in order to be viewed. Then the user/client	We got to learn how we can implement our combined vision and views in one goal, and make efforts as a team that made use whance our skills by helping, healthy criticism, sharing our knowledge, when we decided we are going to make A remote access tool uning yinthon. We first hat to decide how to break it to down into smaller parts and who gets to complete which part of it. We used modelies that were never to us and we were not stilled at each to the control of the con	Python, Reverse shell, Socket module and OS module.
5	CSE-II-05	Second Shift	01496402718 KASHISH TAYAL	01696402718 MANAV DIWAN	03296402718 SHYAM TAPARIA	Ms. SAKSHI JHA	Research Based	Subsequent Frame Prophecy	Software Based Only	Installed acheases. Future frame prediction project aims at predicting future frames of a video given previous frames. If "n' frames are given into the model (n being 19 in our case) our model predicts the n+1th frame in the sequence (i.e. 20th frame). The model use for prediction is a deep learning model - GAN (Generative Adversarial Model). The Generative Adversarial model has 2 components: the generator which generates the 20th frame and the adversary (Critic) which compares the outputs of the generator with real outputs. The purpose of this comparison is to train both the generator and the critic in a cyclic fashion to the point where the generator can create almost real-looking outputs.	1) Developed an appreciation for what is involved in Learning models from data. 2) Understood a wide variety of learning algorithms. 3) Understood how to evaluate models generated from data. 4) Apply the algorithms to a real problem, opinize the models learned and report on the expected accuracy that can be achieved by applying the models.	Python, Numpy, Tensorflow, Keras, Matplotlib, OpenCV, Pandas, Torch
6	CSE-II-06	Second Shift	35196407219 AKSHIT DAHIYA	00196407219 SYED RAMISH JILANI	00596407219 SANDDEP BAJPAYEE	Ms. KAVITA SAXENA	Research Based	Disease Prediction using Machine Learning	Software Based Only	This project is an attempt to help one to predict the disease heights is having through the symptoms and the correct readings of the bodily valian readed. There are times when people keep on ignoring health issues due to high medical fees. This may lead to severe issues later and even death. If not overed by insurance, medical bills can be a meance. This website is an approach in reducing the first of a normal person by estimating the kind of disease one has and its severity. We have designed a disease prediction system using multiple meachine learning algorithms. Based on the symptoms, age, and gender of an individual, the diagnosis system suffering from that particular disease or not. According to the severity, some diet plans and some exercises which can minimize the effects of the disease to some exert are also provided. It provides a simple yet effective approach for predicting the disease to the carcular. The user will experience a simple yet effective laper hards can delegate the provided values of values are values of values and pleasing design.	As our project was around Python and ML we learned to identify, analyze, and solve problems creatively through sustained critical investigation and analysing different ML algorithms. We also learned to integrate information from multiple sources. We also learned to integrate information from multiple sources. And apart from project management and technical stills we learned the importance of working as team which includes the followings. 1. Give and receive feedback on performance 2. How to handle conflicts between learn members 3. Tackle more complex problems than we could on our own. 4. Hold on another (and be be held) accountable. Overall we learned a lot about real-life situations which come across while developing a project or working on a project as a team.	Software tool used>Python soikit-learn-=1.0.1 seaborn-=0.11.2 jobib-=1.1.0 numpy-=1.21.2 pandas matplotib gradio

7	CSE-II-07	Second Shift	00396407219 MUKUL KRISHNA	00496407219 JAI VERMA	00296407219 MOHD SHAHRUKH	Ms. DEEPTI GUPTA	Research Based	Predictive Analysis of overall player performance	Software Based Only	This is project which predict the final football player performance, by using we would choose which player is good for upcoming matches and which player is best for which position in ground	Advantages and disadvantages of Algorithms	Numpy, Pandas, SciPy, VS code, Jupyter
8	CSE-II-08	Second Shift	03496402718 VAIBHAV	35596402718 RISHAABH MITTAL	41296402718 SIDHARTH	Ms. KAJOL DAHIYA	Research Based	VISION BASED COMPUTER MOUSE CONTROL USING HAND GESTURE	Software Based Only	As the PC innovation cassessary develops to create, individuals are presently intigued by title and little electronic gadgets. Progressively we are perceiving the significance of human registering association (HCI), and seperifically vision-based motion and protest acknowledgment. In this project we are going to propose a novel appreciate that uses a video gadget to control the mouse people to have the capacity to speak with the machine (HM) straightforward and collaborate actually with no mechanical gadgets. Utilizing the idea of signal acknowledgment, it is conceivable to point a finger bearing shading tops at the PC acreen so that the cursor will move appropriately to the development of the shading tops. This project propose a vision based cursor control framework, utilizing hand signals bearing shading tops on the abdiding tops. This project propose a vision based cursor control framework with the propose of the control the PC mouse which the cursor will move an account of the project was realizing a notice or a location by adoption to the project, we are utilizing hand signals which require not physical contact other than shading tops with any gadget and we can work it.	Working of a mouse with just hand gestures without using the physical mouse.	MATLAB, machine learning, artificial intelligence
9	CSE-II-09	Second Shift	01296402718 JITMANEW	00996402718 HARSHIT	40496402718 VIKAS	Ms. ZAMEER FATIMA	Research Based	Personalized Automated Cancer Diagnosis	Software Based Only	The project revolves around classification of the cancer type based on gene mutations.	Got hands on experience of Natural Language Processing	Natural Language Processing, Google Colaboratory
10	CSE-II-10	Second Shift	40296402718 HARSH GOYAL	02596402718 RAVINDER	40196402718 PIYUSH	Mr. MOOLCHAN D SHARMA	Research Based	Detection and Classification of Leukemia Using Smear Blood Images	Software Based Only	The purpose of the project is to show the potential of Artificial Intelligence for medical support systems such as diagnosis systems. Although the classifiers are accurate and show good results both on paper and in real-world testing, they are not meant to be an alternative to professional medical diagnosis. Developers that have contributed by the contributed by the contributed or this repository have experience in using Artificial Intelligence for detecting scalar by see of	1. Applied fundamental and disciplinary concepts and methods in ways appropriate to their principal areas of study. 2. Demonstrated skill and knowledge of current information and technological tools and techniques specific to the professional field of the control of the cont	Python 3.0, Tkinter, OpenCV, Pandas
11	CSE-II-11	Second Shift	03096402718 SHASHWAT SHARMA	01896402718 MONIKA CHAUHAN	40896402718 HARSH AGARWAL	Ms. PRERNA SHARMA	Application Based	TRON NFT Marketplace	Software Based Only	The NFT world has seen a lot of traction in recent times, and due to that major companies are moving towards this. So this project is our way to understand how this stuff words and have a marketplace that has less gas fees and is pocket through for people who just want to seriter into this technology. NFT marketplace on TRON reverse to great accord the world to mint, then on TRON reverse to great accord the world to mint, they are the series can avoid the hefty gas fee they have to gay on the Ethereum chain and the other reason is to create and the contract of the tractice of the contract of the series can be considered to the contract of the co	The major learnings we have from this project are: 1. We studied how blockchain works and how to interact with it to using smart contracts. 2. We learn how to deploy enrant contracts using tronscan. 3. We studied by the contracts of the contract of the cont	Solidity, web3, Next js, Node js, React js, Figma, Mongo db

12	CSE-II-12	Second Shift	41196402718 SHUBHAM SAPRA	35696402718 SHIVANSH TYAGI	35296402718 KUSH GOYAL	Ms. AKANKSHA KOCHHAR	Research Based	Comparison of Different Instances on Different Cloud- Based Workloads	Software Based Only	This document will help you dispel any concerns about employing a public cloud service provider and will establish the groundwork. By compaining these three cloud service providers Azure, and Google Cloud Platforn) is terms of service, pricing, and benefits, as well as popular VM throughput augmentation emphasises the importance of processing, storage, and infrastructure as service factors that influence cloud service provider selection	The performance overhead challenges for scientific workloads in a cloud cloud computing environment are analysed using the configuration scenarios. The researchers offer a method that combines the four strategies to machine and container throughput and performance. Virtualization and container throughput and performance. Virtualization and containerization efficiency droughput are discussed in a balanced manner. Based on the research and expertise, VMs or containers might be used to construct a cloud-based environment capable of delivering scientific workloads	AWS, Azure, GCP, Shell Scripting
13	CSE-II-13	Second Shift	01096402718 HARSHIT DANDRIYAL	00396402718 ABHISHEK KUMAR	01196402718 HRIDAM NAGAR	Ms. SHALLU JUNEJA	POC/Innovative idea	Automated Code Generation for Testing	Software Based Only	We wanted to make a developer tool that is not yet existing in the enterprise market but has a lot value considering the time and efforts pees into writing the tests. We are making a lock, with the property of the property	Unit testing in react using cypress and jest. React fiber. The new reconciliation method used in react version 16. Reconciliation makes it easier for React to parse and traverse them to build the DOM tree. The actual ren	VSCode, Jest, Enzyme, ReactJS,
14	CSE-II-14	Second Shift	03196402718 SHUBHANGI BHARGAVA	40796402718 ADARSH KUMAR		Mr. MOOLCHAN D SHARMA	Research Based	COLON CANCER PREDICTION USING MACHINE LEARNING TECHNIQUES	Software Based Only	Gene Expression is the process by which a living organism uses the information from a geneDNA to synthesise a gene product, an observable trait. In this project we are going to predict whether the person is suffering from colorectal cancer by taking into considerations the gene expression of the person using different machine learning algorithms because person has a certain cancer, they will likely exhibit alterations in the gene expression in a certain way. Advances in artificial intelligence resulted in large number of analysis and prediction but still it date no unified rules or standards for colorectal cancer prediction exist in the world.	1. The model has been able to perform with an accuracy of 90% on out-of-sample test data with a training performed on a small dataset of 30 samples. 2. Increasing the sammed of 30 samples. 3. The usage of the part of the dayposis, research understanding of colorectal cancer. 3. The usage of data science for healthcare, genetic research and IOT is a wave that will disrupt and make human life better.	Operating System - Windows 7/10/11 Coding Language - Python/R Development Environment - Jupyter/ R Studio
15	CSE-II-15	Second Shift	41396402718 ASHISH TIWARI	02096402718 NITYA SINGH	00496402718 ANURAG VASHISHTH SINGH	Dr. NEERAJ GARG	Application Based	Controlling Screen Time for children	Software Based Only	Today, about 3 billion people are in lockdown around the world and almost DNS of the subsets population is out off from school. It's not shown and the provision is the state of the subset of the provision is used from school it's ownering the state of	We got to learn about how to collect system metrics and remotely expose several APIs to control a machine in order to establish screen limiter for children	Golang, Javascript, bpftrace
16	CSE-II-16	Second Shift	00696402718 AYUSH GARG	00896402718 HARSH PORWAL	01396402718 KARTIK KUMAR	Dr. POOJA GUPTA	Application Based	Web API Gateway	Software Based Only	An API stands for Application Program Interface. It is a set of instructions, protocols, and tools for building software applications. It specifies how software components should interact. The API Gateway is a server. It is a single-entry point into a system provides an API that is tallered to each client. It also has other responsibilities such as authentication, monitoring, load balancing, caching, request shaping and management, and staff creponse handling. API Gateway is also responsible for request routing, composition, and protocol translation. All the requests made by the client go through the API Cateway. After that he API Cateway routes requests to the appropriate microservice.	1.)Web development has so much scope that we can build anything for the user. It can range from a basic webstle to a fully-fledged conline shopping platform. 2.)The future scope of this project is that it has an inbuilt database maintaining system and security of the data for the industry. If we collaborate on our project with them then they can easily maintained database and activates of all the APIs to that we can give the user additional features like who is using that API and which API is giving errors.	1.)React 2.)PostgreSOL 3.)Spring Boot 4.)Postman

17	CSE-II-17	Second Shift	00196402718 AAYUSH PARASHAR	02296402718 PRAKHAR MAHESHWARI	00596402718 ARUN TELTIA	Dr. ASHISH KHANNA	Research Based	Classification of Brain Tumor using Advanced Deep learning	Software Based Only	Looking upon the advances in Deep Learning arena is surely promising and its amalgamation in the field of Biotechnology has become evident. Confinuing from the easing models and ways of the state-of-hear interholds that could significantly reduce the amount of time utilized in diagnosis and channel it towards the treatment. Knowing the fact that wareage survival rate of tumor patients is less than a year, every second plays a crucial role and each phase demands precision and accuracy. The Artificial intelligence models outlevely the conventional methods that the controlled thems of the precision of the factor in the controlled thems deep learning models like SEReNet are included in this paper to introduce them into the day-to-day working and advocate their inclusion into the workplace. Careful considerations of the factor influencing the results, dedicated training and testing of the models and improving the current flaws or absence can definitely play a role in what we could call a life-saving decision.	This major project has helped a lot in specializing in various fields like strategic information gathering, articulate documentation, and proper implementation of theoretical approaches. Additionally, we got to know about the Pharmacology and belogy with left finding a year to be provided to the property of the finding as known as glioblastoma and everything related to it. Moreover, it was one with the provided proversible to the property of the provided provided and the provided provided provided and the provided provi	•Python •Google Collab •Kaggle •Jupyter Jab •Google Cloud Platform etc.
18	CSE-II-18	Second Shift	02896402718 SAKSHAM TANEJA	35196402718 KARTIK GOEL	35496402718 PRASHANSA CHADHA	Ms. PRERNA SHARMA	Research Based	COMPARISON OF VARIOUS EVOLUTIONARY ALGORITHMS FOR FEATURE SELECTION IN HEALTHCARE	Software Based Only	Health technology research brings together complementary interdisciplinary research skills in the development of innovative health technology applications. Recent research indicates that artificial intelligence can help achieve outstanding performance for particular types of health sechnology applications. An evolutionary algorithm is one of the sub-fields of artificial intelligence, and is an effective algorithm for global optimization inspired by biological evolution. With the rapidly growing complexity of design issues, methodologies and a higher demand for quality health technology applications, the development of evolutionary computation algorithms for health has become timely and of high relevance.	Carry out a substantial research-based project. Demonstrate capacity to lead and manage change through collaboration with learn members. Learned different lyse of Evolutionary Algorithms to predict the best outcome. Analyze data and synthesize research findings. Report research findings in written and verbal forms.	Google Colab, Python, Machine Learning, Kaggle, Microsoft Excel.
19	CSE-II-19	Second Shift	02796402718 RITIK CHAUHAN	40596402718 RAHUL KHANDELWAL		Ms. KAJOL DAHIYA	Research Based	Computational Cloud Off-Loading	Software Based Only	Smartphones have started to serve as mini-computers. We are now witnessing huge dependency over mobile phones because of the increased ability of applications to serve our daily requirements with great efficiency and comfort. With the advent of android, which provides smartphones are very affordable, now 82% of world's population are using smartphones. Android has laken the place in amentphones. Android has laken the place in amentphone that Windows once market share. The remarkable growth of Android based devices in application of the place of the provided of the place of the plac	Integration of knowledge and skills with other areas of lives, draw connections between coursework and other kinds of knowledge, planning ahead of time	VScode, Android Studio, Heroku cloud, Python, Java
20	CSE-II-20	Second Shift	42196402718 PRIYAM KUMAR SINGH	02696402718 RISHABH SHARMA	41796402718 HARSHIT SHARMA	Dr. ANKITA GUPTA	Research Based	COVID DETECTION USING X-RAY SCANS	Software Based Only	This project would present an approach using Convolutional Neural Networks to detect the presence of COVID-19 in a person using their chest X-ray image. It focuses on enhancing the preprocessing stage to totain accurate and reliable results classifying COVID-19 from Chest X-ray images. It is worth noting that the dataset which would be used for this research would be much bigger than the ones used in previous works.	CNN, tensorflow, flask, etc	Jupyter notebook, vs code, python, html, css, kaggle, google colab
21	CSE-II-21	Second Shift	42096402718 KUNAL KALIA	01796402718 MILIND RATHEE	02196402718 PRADEEP KUMAR	Dr. ANKITA GUPTA	Research Based	STOCK MARKET ANALYSIS & PREDICTION	Software Based Only	Using LSTM and LSTM+CNN for financial analysis of current and past data trends that might help investor & traders to gain an edge in the market to make informed decisions	Learnt and compared the LSTM and LSTM+CNN models	Tensorflow, Google Colab, Python