



Impact Compendium - 2022

A compendium of our learners , sharing their SkillsBuild Stories.



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Project Overview



Project Overview



IBM SkillsBuild for Job Seekers is designed for learners (18+), youth seeking for employment in the immediate future. It provides learners with an opportunity to prepare for job roles specifically focused on entry-level tech roles and support to help them gain meaningful employment in the immediate future.

Testimonial From Our Leaders —————

“



Our Leaders Testimonial

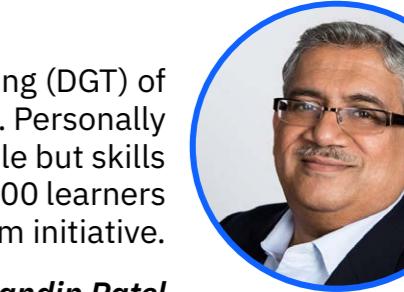


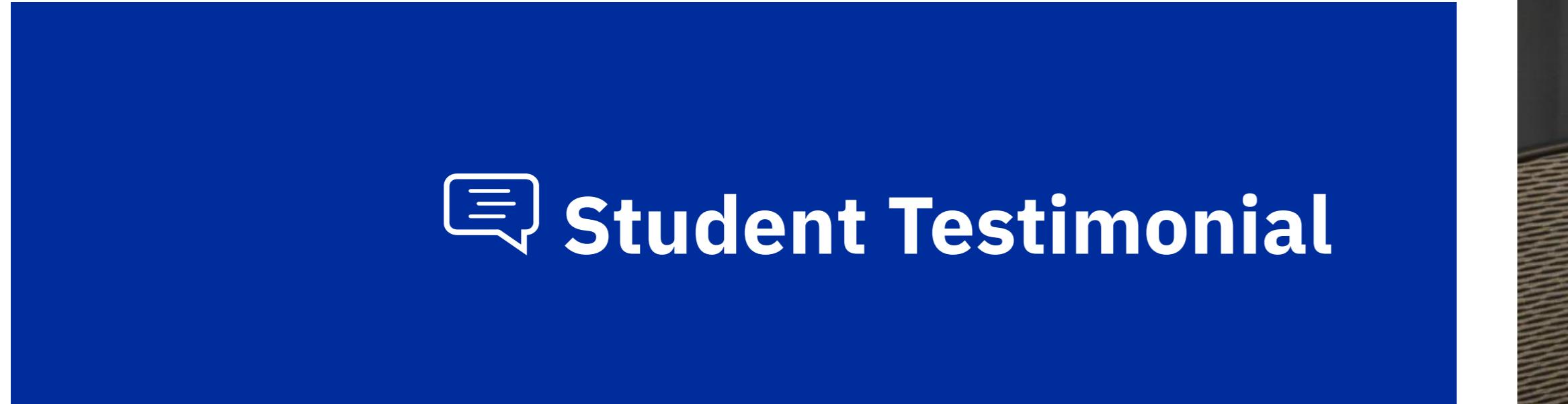
Today, IBM commits to providing 30 million people with new skills by 2030. This will help democratize opportunity, fill the growing skills gap, and give new generations of workers the tools they need to build a better future for themselves and society.

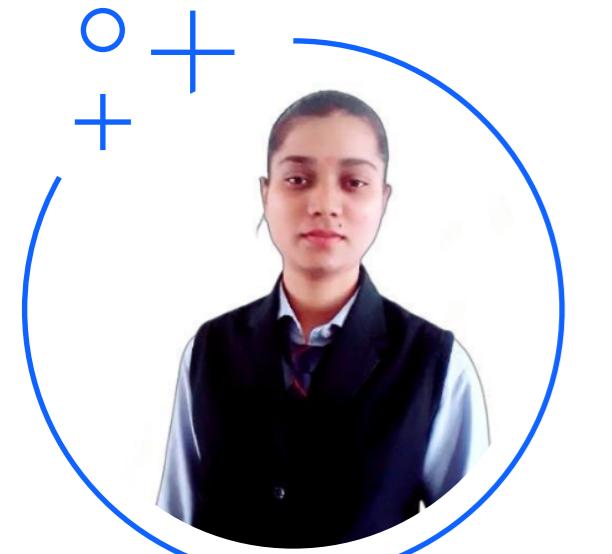
Arvind Krishna
Chairman & Chief Executive Officer, IBM

The SkillsBuild Platform was launched in 2019 in collaboration with Directorate General of Training (DGT) of the Ministry of Skill Development and Entrepreneurship , & has since enrolled 1.3 million learners. Personally I have been a strong proponent of skill alignment with job creation you can continue skilling people but skills must be relevant at the end of the day. I am extremely proud that we have been able to place 18,500 learners in jobs last year through our SkillsBuild platform initiative.

Sandip Patel
Managing Director, IBM India Pvt. Ltd.







Simran Rana

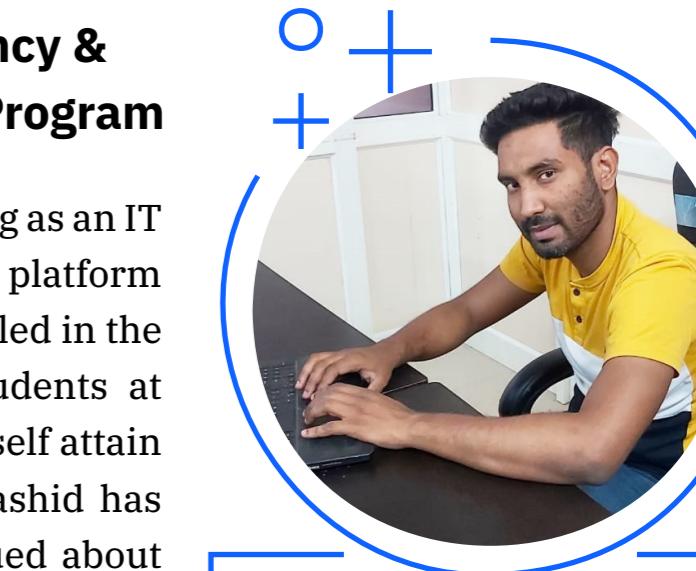
*Seth Jai Prakash
Polytechnic Damla*

Research and introspection has made this young woman Job-ready

Through the IBM SkillsBuild Job Readiness workshop students became aware of many things including the professional requirements and how to proceed with job placements. She learnt various aspects around resume writing, mailer etiquettes, cover letter writing, linkedIn profile making and Job interviews hacks. She further completed courses on the IBM SkillsBuild platform to enhance her professional and job readiness skills. The IBM SkillsBuild platform gives a user free lifetime access to learn numerous skills and provides the opportunity to individuals to perform various courses and make conscious career choices.

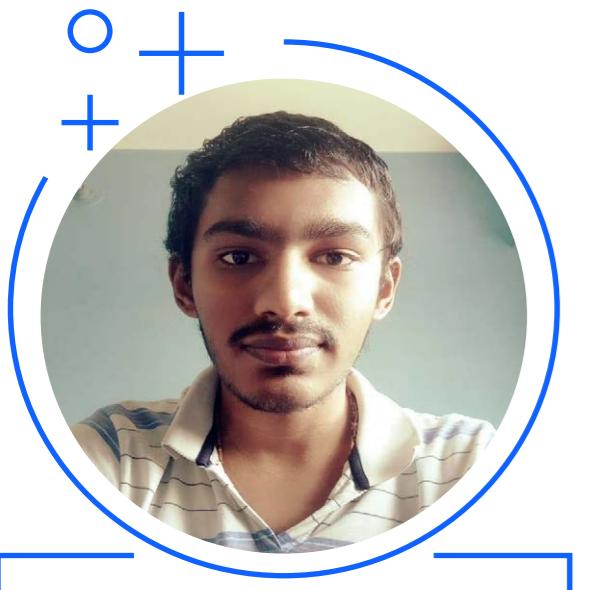
Working Professional sets new level of competency & reaps wonderful benefits through IBM SkillsBuild Program

Rashid Khan is a 27-year-old professional from East Delhi, working as an IT Trainer at Udayan Care. He got to know about the IBM SkillsBuild platform when Udayan Care collaborated with CSRBOX. Rashid Khan enrolled in the IBM SkillsBuild platform primarily to give training to the students at Udayan Care. Through the process, he realized that he could himself attain a new set of competencies through the SkillsBuild platform. Rashid has spent 163 hours on the IBM Skillsbuild platform and has pursued about 210(two hundred ten) courses. He has earned Cyber Security, Job Essential, & Communication Skills badges from the platform. He is very passionate & determined when it comes to learning new sets of skills and IBM SkillsBuild has helped him in upgrading his competencies and skill sets for free.



Rashid Khan

*Udayan Care
IT-Trainer*



Gautam Patel

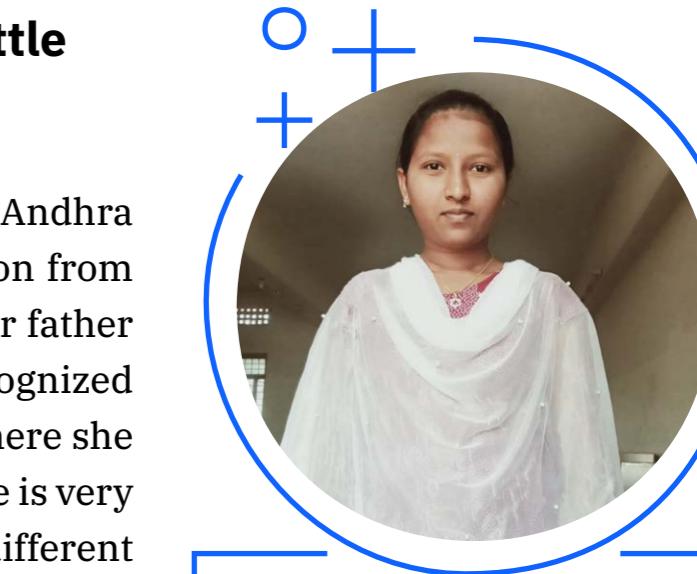
NG Patel Polytechnic

SkillsBuild Platform Has Opened Doors to Multitude Opportunities For 20-year-old Gautam

Gautam's introduction to the IBM SkillsBuild Platform was through his college and he enrolled himself on the platform to explore courses on Data Analysis, basics of Cybersecurity, Cyber-attacks, Risk Management, and AI. IBM SkillsBuild gave him the opportunity to explore advanced courses based on his interest without any costs! IBM SkillsBuild gave Gautam the opportunity to not only pursue Computer Programming courses but also helped in him developing soft skills such as Professional Communication skills & Interpersonal skills which he believes are crucial to have in the 21st century. With further plans to pursue higher studies in Computer Science, he believes that the SkillsBuild platform has nurtured the competencies in him that would enable him to stand out among others as a great candidate in the academic as well as the job market.

Hard work and supportive parents assisted this little girl in overcoming obstacles and dreaming big.

Dasari Aruna Jyoti is a 20-year-old student from Prakasam, Andhra Pradesh. She is pursuing B.Tech in Electronics and Communication from Prakasam Engineering College. She comes from a family where her father is a farmer and her mother works for daily wage. She has been recognized as a top learner on the IBM SkillsBuild Platform for March 2021 where she has spent 813 hours on the platform pursuing over 450 courses. She is very grateful to the SkillsBuild platform because it help her to explore different kinds of courses, free of cost from the comfort of her own home! Her message: "Thank you CSRBOX and IBM SkillsBuild for introducing me to this life-changing learning experience. My goal is to work for big MNCs in the future and I have a zeal for learning something new every day. Through the learnings I gathered from the platform I believe I am closer to my future dream job."



Dasari Aruna Jyoti

Prakasam Engineering College

Impact Stories —————•



Mr. Rajiv Kumar

*Sr. Lecturer & TPO
Govt. Polytechnic, Dhangar*

Sharing Technical Expertise through IBMSkillsBuild is an Excellent Experience

We had an excellent experience while conducting the IBM SkillsBuild Job Readiness Workshop at our institute because the technical expertise of IBM has greatly influenced our student's careers. The workshop has managed to provide the students a glimpse of the professional world and students have learnt on how to compete at a global level. IBM SkillsBuild platform is helping our students in widening their career horizons because now students will be able to pursue new & innovative self paced courses without any time boundation. I firmly believe that, courses on the platform will help students in achieving their career goals.

Impact Stories —————•

Imparting Knowledge by connecting with students and having an Industrial Approach

IBM SkillsBuild Job Readiness Certification Program was an excellent opportunity for students to learn and grow professionally. Through this opportunity, and events conducted under it, students were able to network & connect to an Industrial approach alongside their theoretical academic knowledge . The workshop and our partnership with IBM SkillsBuild have led to an improvement in the Employability Skills of the students. It has also helped them to enhance their learning about the various technical & non technical programmes and programming languages. Finally, the content quality of courses on the IBM platform encourages students to enhance their innovative ideas and pursue them with a lot of interest.



Monika Sihag

*Placement Coordinator,
T&P*



Alka Jaiswal

*Udayan Care
Currently at Dr Reddy*

This woman used IBM SkillsBuild to improve her knowledge and pass the Interviews

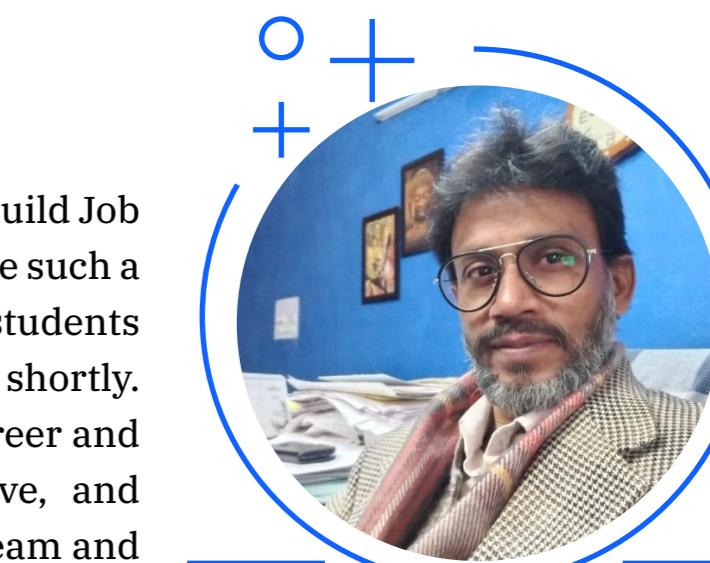
Alka got acquainted with the IBM SkillsBuild platform with the partnership ensuing between Udayan Care and CSRBOX. She enrolled on the SkillsBuild platform primarily to understand what the platform offered and to discover what courses she could in turn suggest to her students at Udayan Care. Once she was able to navigate through the platform, she realised that it was an opportunity that she could definitely suggest to their students but also use to upskill her own capabilities as well.

Alka has thoroughly enjoyed the courses related to soft skills like Effective Team Communication, Making Impact with Non-Verbal Communication and Personality Dynamics alongside other technical courses like- Artificial Intelligence and Cyber Security fundamentals. The knowledge on AI that she gained through the IBM SkillsBuild platform has enabled her to crack a job interview very recently. She believes through the platform she can keep learning and growing professionally.

Helping students compete and succeed in the Professional world

Team CSRBOX visited our campus for the conduction of IBM SkillsBuild Job Readiness Workshop and It was a great experience for us to facilitate such a session. The session delivered was extremely required by the students since these students will be kick-starting their professional careers shortly. Therefore, this innovative session is the first step towards their career and professional development. The session was wonderful, effective, and efficient and we are looking forward to another visit by CSRBOX Team and providing the same kind of learning space to our students.

The entire pedagogy caters to the skill development needs of the students. The partnership and the offline session acted as the roadmap for our students to select suitable career options for themselves. We are glad that through the HSBTE partnership with IBM SkillsBuild, We managed to give our students this level of exposure so that all these students can compete in the professional world.



Umesh Saroj

Govt. Polytechnic, Jhajjar



Mr. Abhishek Dixit

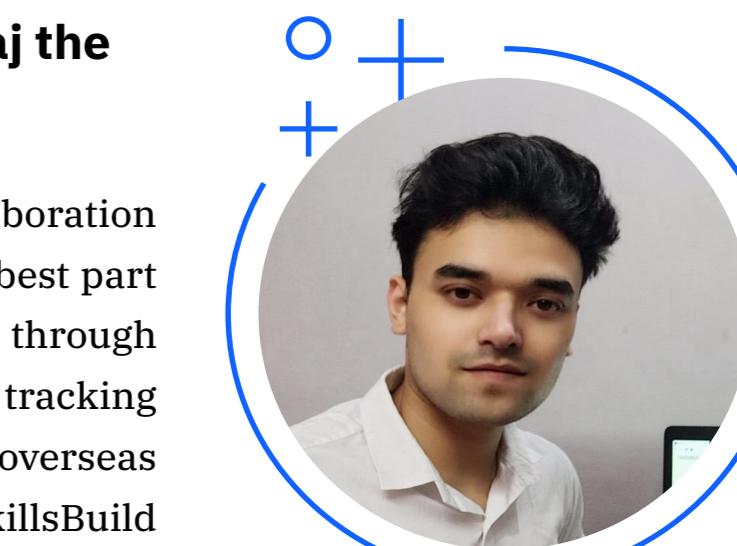
*Assistant Professor,
CSE Dept, College Jaipur*

Practical Knowledge Delivered Via Innovative Camps Will Bridge the Gap Between Academia and Industry

Mr. Abhishek believes that the IBM Innovation Camp & SkillsBuild Platform guide students to bridge the gap between academia and industry. These innovative digital platforms are essential according to him because they introduce students to topics and knowledge that otherwise would not have been possible for them to learn in their regular classroom setup. Through such initiatives, students get the opportunity to learn the basic as well as advanced concepts directly from the expert trainers which help them to understand the demand of the industry. Many JECRC students took part in their Campus Ambassador Programs & Innovation Camps. The Innovation Camp focuses on the practical aspects of the subject rather than theoretical part which enhances the student's ability to think out of the box by applying the concepts in their projects and implementing innovative ideas. Practical knowledge received in such Innovation camps helps the students to secure placements at higher packages in product-based companies and startups.

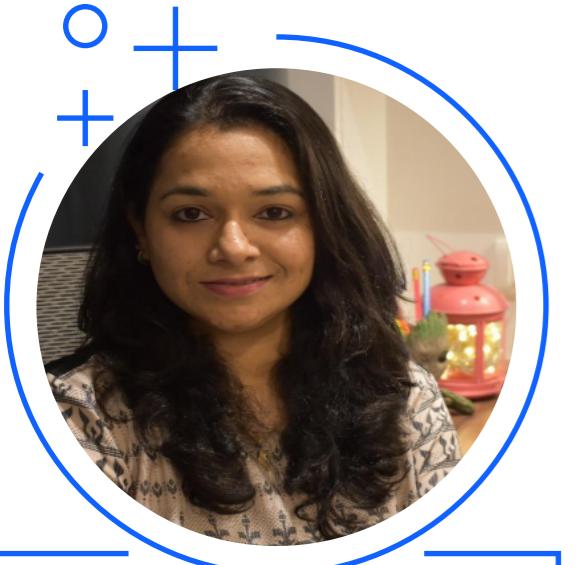
A Mobile-friendly learning platform has given Pankaj the confidence to enter today's workforce

Pankaj got to know about the SkillsBuild platform through the collaboration of Galgotias University with IBM SkillsBuild. He believes that the best part of this platform is that it is mobile friendly and can be navigated through mobile devices as well. The platform has an important feature of tracking live internship opportunities that enables individuals to tap the overseas market and receive international exposure as well. Through the SkillsBuild platform, he was not only able to develop his technical skills but was able to hone his soft skills. The platform provided him the opportunity to pursue courses such as cloud computing, data science and basics of cybersecurity that helped him obtain substantial domain knowledge that otherwise would have been difficult for him to gain. Pankaj also mentions that through IBM SkillsBuild he was also able to improve his professional communication and interpersonal skills which are essential skills in the current profession world.



Pankaj Gusain

CS Student, Noida



Bhakti Haneet Arora

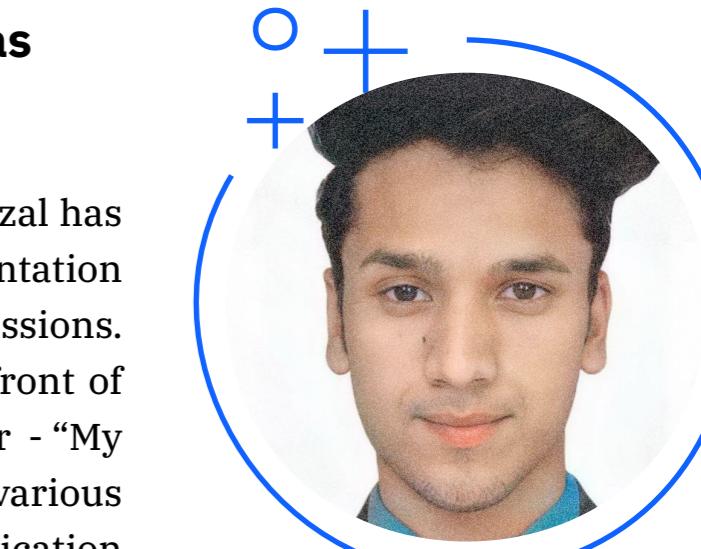
*Manager Partnerships
Swades Foundation*

With the freedom to learn anytime & anywhere, this young mother is ready to re-enter the workforce

For the last 15 years, Bhakti has been working in the development sector. After her maternity break, she couldn't enrol herself for higher studies, and that is when IBM SkillsBuild helped her to upscale her skills contributing to her career progression. Bhakti believes, the beauty of the IBM SkillsBuild platform is there is no time frame set for a course to complete so one can do it based on their own time availability and convenience. She mentions that the IBM courses are very addictive and interesting, the platform itself gives suggestions on new courses aligning to the user's area of interest. She is extremely happy to see Swades Foundation has partnered for IBM SkillsBuild.

The exciting journey as a Campus Ambassador has improved my various Skills

Fazal Mahfooz is a final year BCA student from IFTM University. Fazal has participated in all the campus ambassadors-related meetings & orientation sessions and has also coordinated for campus Job readiness sessions. These programs helped him improve his confidence to speak in front of people and work efficiently with a team of experts. Fazal speaks that - "My Journey of being a campus ambassador IBM SkillsBuild was full of various exciting opportunities, it has built my team management & communication skills."



Fazal Mahfooz

IFTM University

Project based learning



Search for Recipes



SignIn



Browse Your Recipes



Nutrition Recipes



Cuisines Recipes



Analyze Recipes



Ingredients Recipes

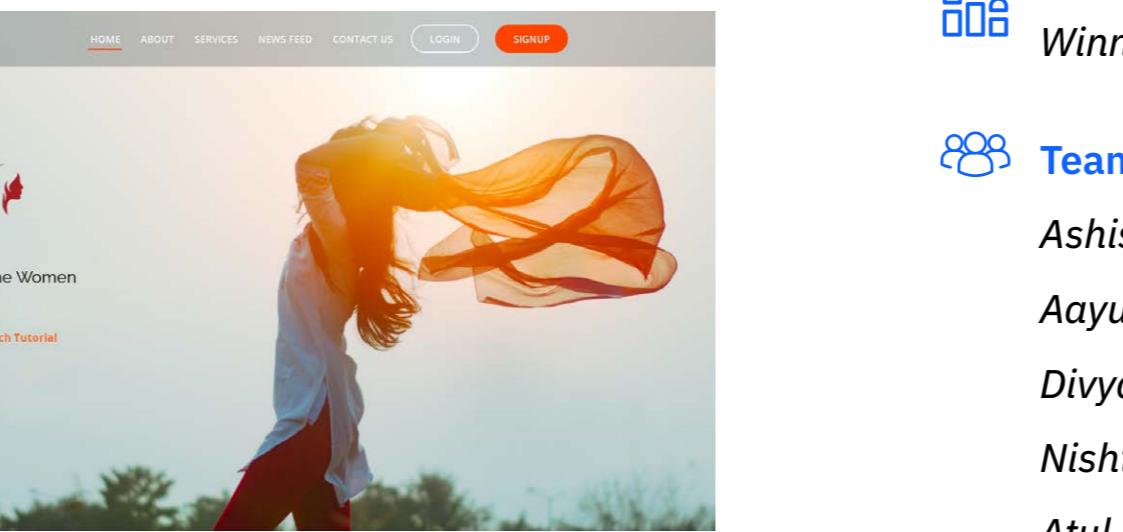
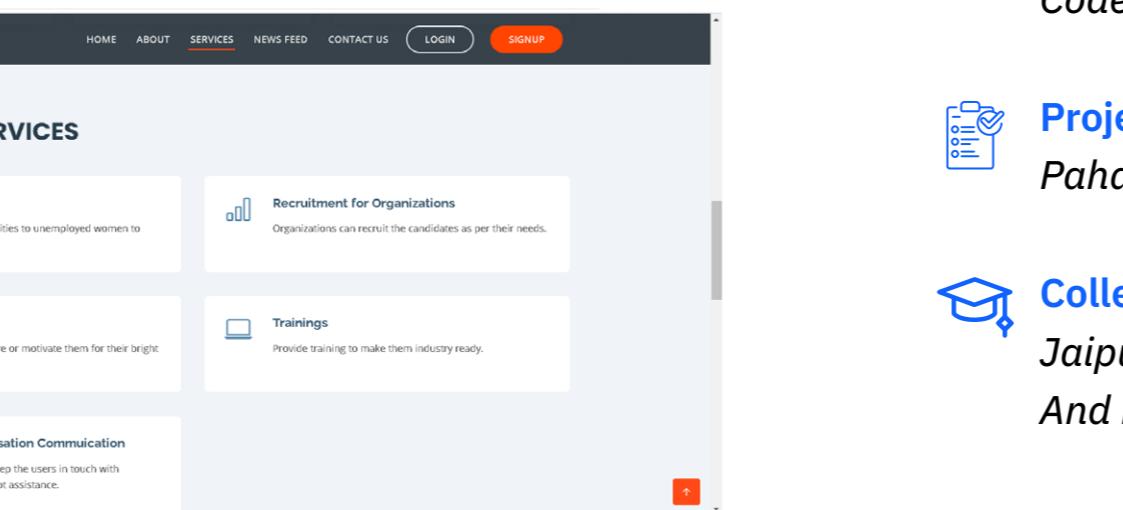
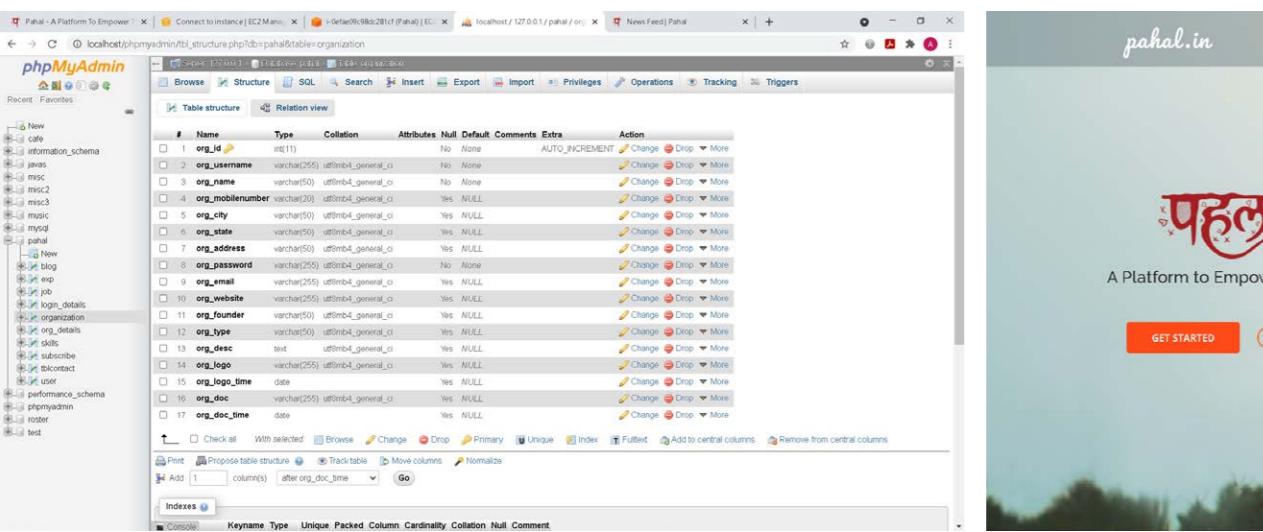
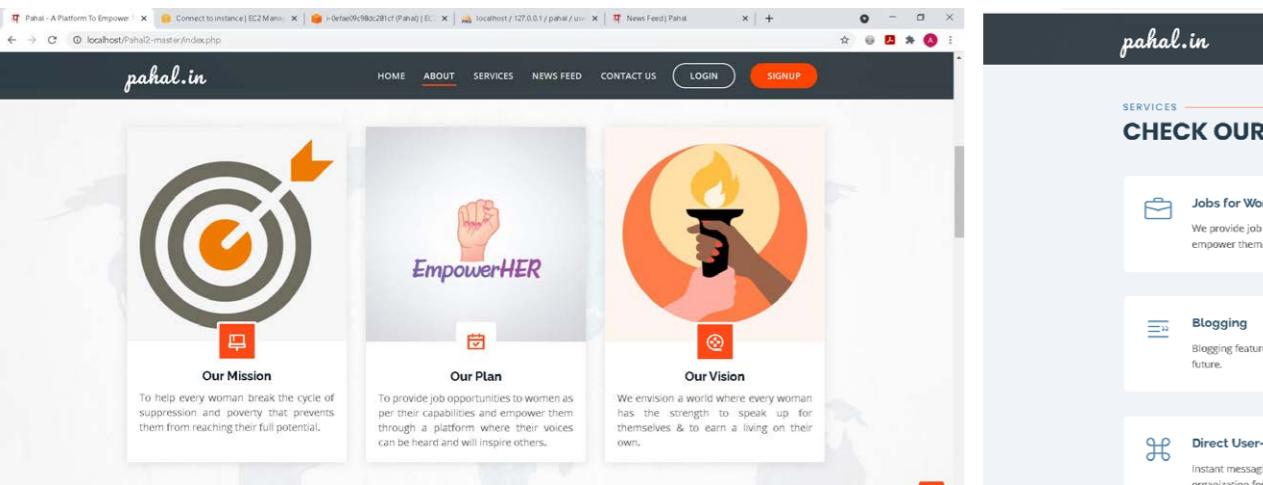


Analyze Recipes



Meal Planing

Project based learning - Front End Web Development



Project based learning - Front End Web Development

Team Name
Code Smashers

Project Name
Pahal- A platform to Empower Women

College Name
*Jaipur Engineering College
And Research Centre, Jaipur*

Position
Winner

Team Members
*Ashish Maheshwari
Aayushi Bahukhandi
Divyansh Kumar Jangir
Nishtha Garg
Atul Sisodiya*

Project Objective

The project's goal was to help all women who lacked resources, support, and a network to realise their dreams through focusing on essential areas to impart employment opportunities for women, which became their site to hear and inspire others.

Project Description

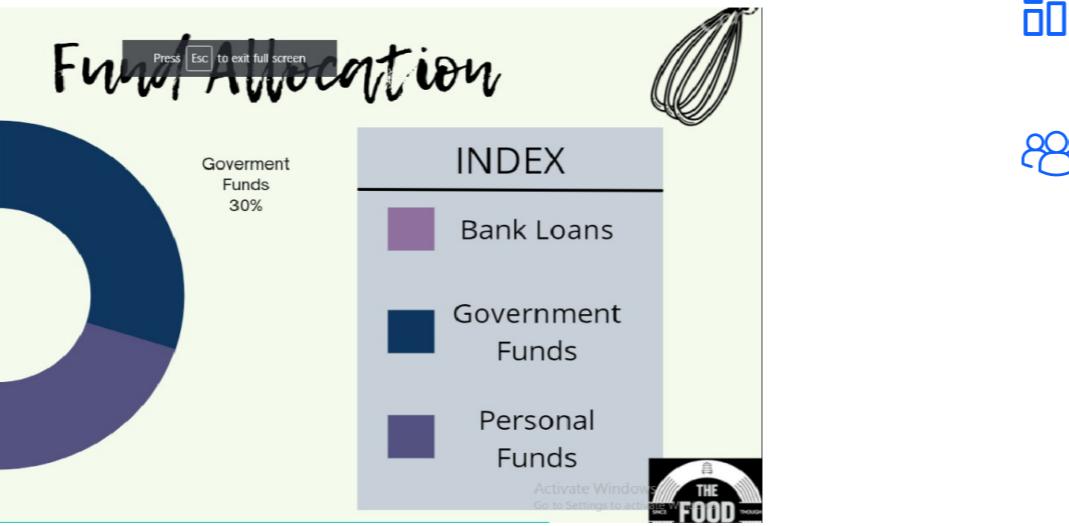
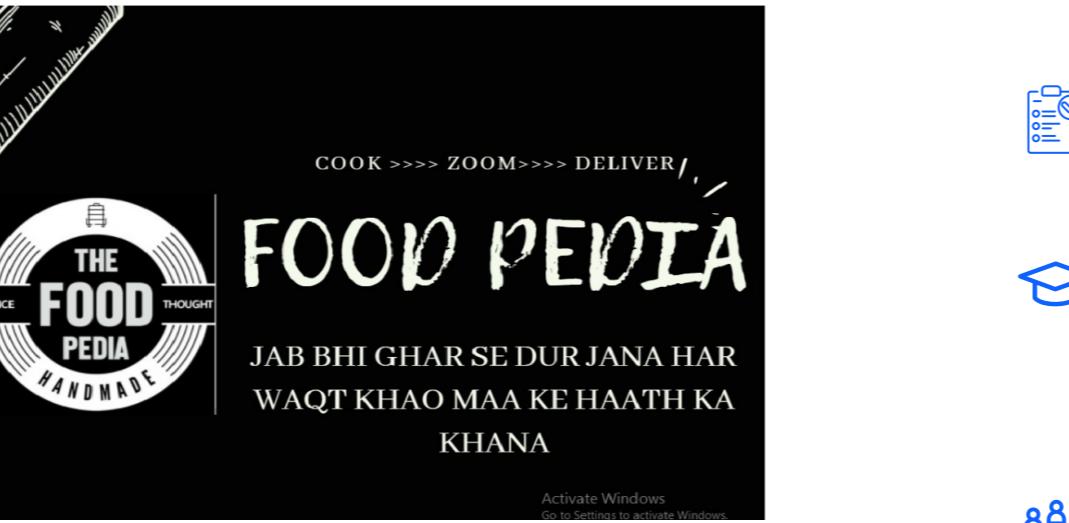
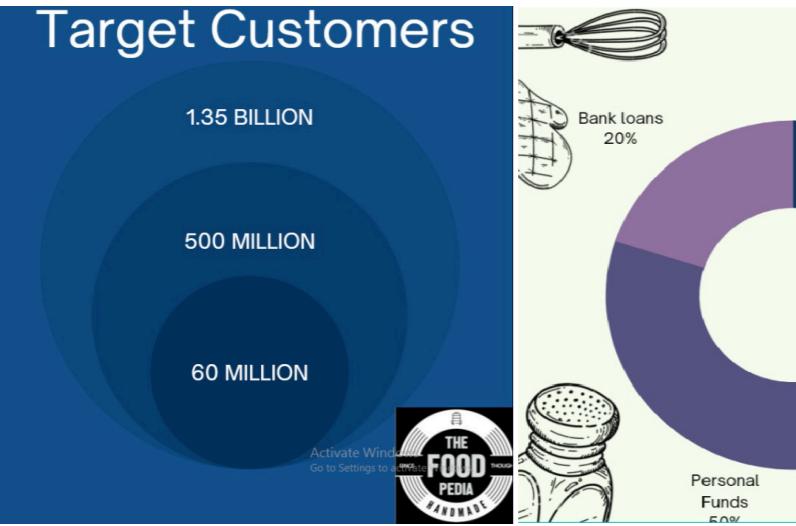
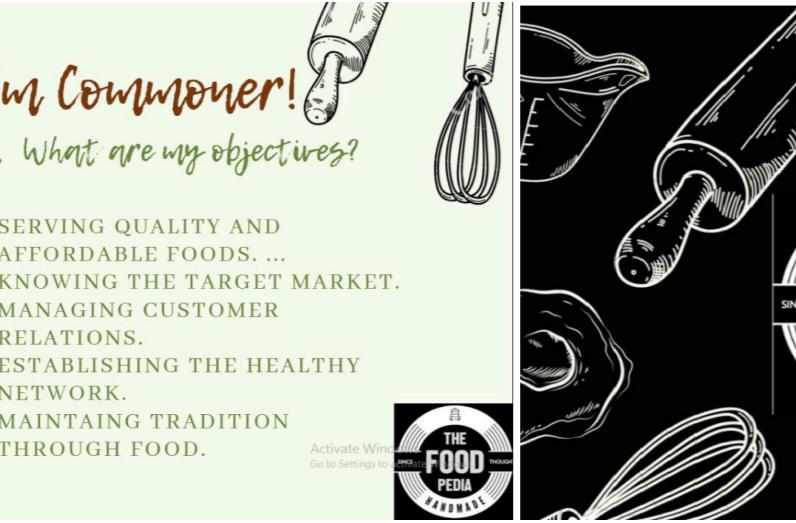
Students from Jaipur Engineering College And Research Centre (JECRC) have participated in our 6-week-long IBM SkillsBuild Innovation Camp on Front end web development. The camp was conducted virtually under the guidance of industry experts and aligns with the market skills required for better career prospects. During the camp, students got learn & understand theoretical concepts & practical applications of Front End Web Development. During the camp, students made website titled "Pahal - A Platform to Empower Women". Through their website, they wanted to inspire women to speak up and take a step forward to pursue their dreams. The Objective of the website is to provide a helping hand to all the women lacking in resources, support & network in order to fulfill dreams. The most important feature of their website was to provide opportunities to girls as per capabilities and empower them through a platform where their voices can be heard and will inspire others. The IBM SkillsBuild platform has helped them understand the various concepts of Javascript, HTML, Cascading Style Sheets, Design Thinking, etc. "We have practiced our learnings of the platform in IBM Innovation Camp & it has immensely allowed us to test our conceptual knowledge", said Niharika (team member).

Project based learning - Innovation Camp on Entrepreneurship



Size of the Market

Total Available Market (TAM):	1.35 Billion
Serviceable Available Market (SAM):	500 Million
Serviceable Obtainable Market (SOM)	60 Million



Project based learning - Innovation Camp on Entrepreneurship

Team Name
Bossy Pants

Project Name
FoodPedia

College Name
ML Dahanukar College of Commerce, Mumbai

Position
1st Runner Up

Team Members
**Gaurav Pal
Riya Giridhar
Vaibhav Dabholkar
Harshada Mandhare
Tejas Bhagyawant
Arvind Madyalkar
Niyati Wooike**

Project Objective

FoodPedia's webex platform aims to connect everyone in the food business to join them in their healthy mission by offering its consumers home-cooked meals plus healthy alternatives at Pan India level.

Project Description

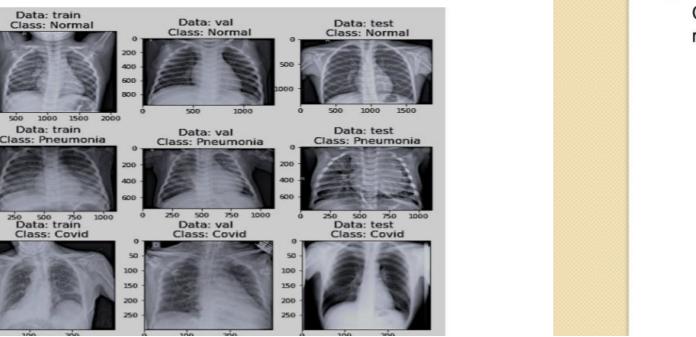
Bossy Pants, a team of 7 students from ML Dahanukar College of Commerce, Mumbai participated in the Innovation Camp on Entrepreneurship 2022 and secured the 1st runner-up position. Through the Camp, the team developed a business idea titled 'FoodPedia' where through their webex platform they aim to bind every person from the food industry joining them in their healthy campaign. In their campaign the team provides their users home-based food options along with healthy alternatives. During the initial execution of their business, the team tried including only the people from Mumbai but later aimed towards expanding it to the Pan India level. During the course of Innovation Camp, Team Bossy Pants got an opportunity to interact with Chief Executing Officer CEOs of various organisations and received mentoring opportunities from industry experts, and masterclasses from working professionals. These activities provided an avenue for them to come up with such an idea to design a website that's not only innovative but also well-curated and aimed at a very sustainable and conscious mission of healthy living.

Project based learning - Innovation Camp on Data Analytics



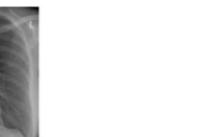
Dataset

- The dataset is organized into 3 folders (train, validation, test) and contains subfolders for each image category (Normal/Pneumonia/COVID-19).



Objective:-

- To study and classify an X-ray image of human thoracic region into:
 - A) Normal
 - B) Pneumonia
 - C) Covid-19
- To mitigate future complications by early and accurate detection of cases with the help of machine learning.
- To reduce the number of false negative outcomes up to far extent.



Data Pre-processing

- Canny Edge Detection:
- Here, firstly the data is converted into Gray format.
- After that Canny Edge detector is being applied using Computer Vision, which reduces cost of computation by removing redundant pixels.



Project based learning - Innovation Camp on Data Analytics



Team Name

Team Data Demystifiers

Project Objective

A data analytical project designed under Innovation Camp to analyse X-rays of human lungs & to determine the normalcy. On test data, the team achieved an accuracy of 96.6 percent.

Project Description

Team Data Demystifiers from Vishwakarma Government Engineering College has participated in our IBM SkillsBuild Innovation Camp on Data Analytics 2021 and prepared a data analytics project on the classification of an x-ray image of the human thoracic region into Normal, Bacterial Pneumonia, or Covid -19. The model intended to analyse X-rays of the lungs of multiple people and diagnose whether the person is normal or not. The team was able to achieve an accuracy of 96.6% on test data. During the six weeks long IBM Innovation Camp on Data Analytics, the team was able to learn about the Python language, develop the skill of managing huge data sets, and be exposed to data visualisation tools as well. Team Data Demystifiers also won the Innovation Camp because of their creative and innovative project idea.



College Name

Vishwakarma Government Engineering college



Position

Winner



Team Members

Sarvesh Bagwe

Devansh Makwana

Love Fadia

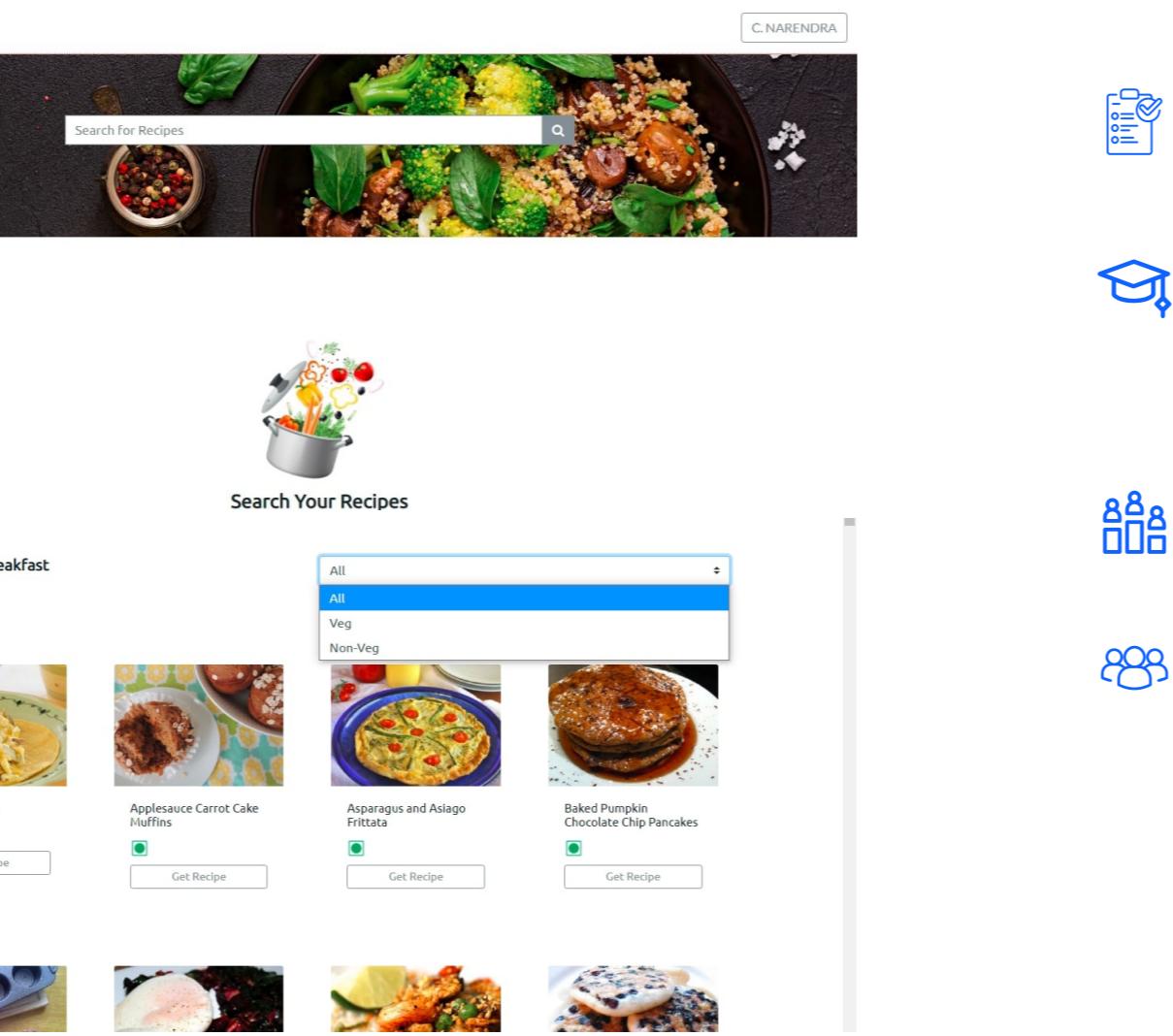
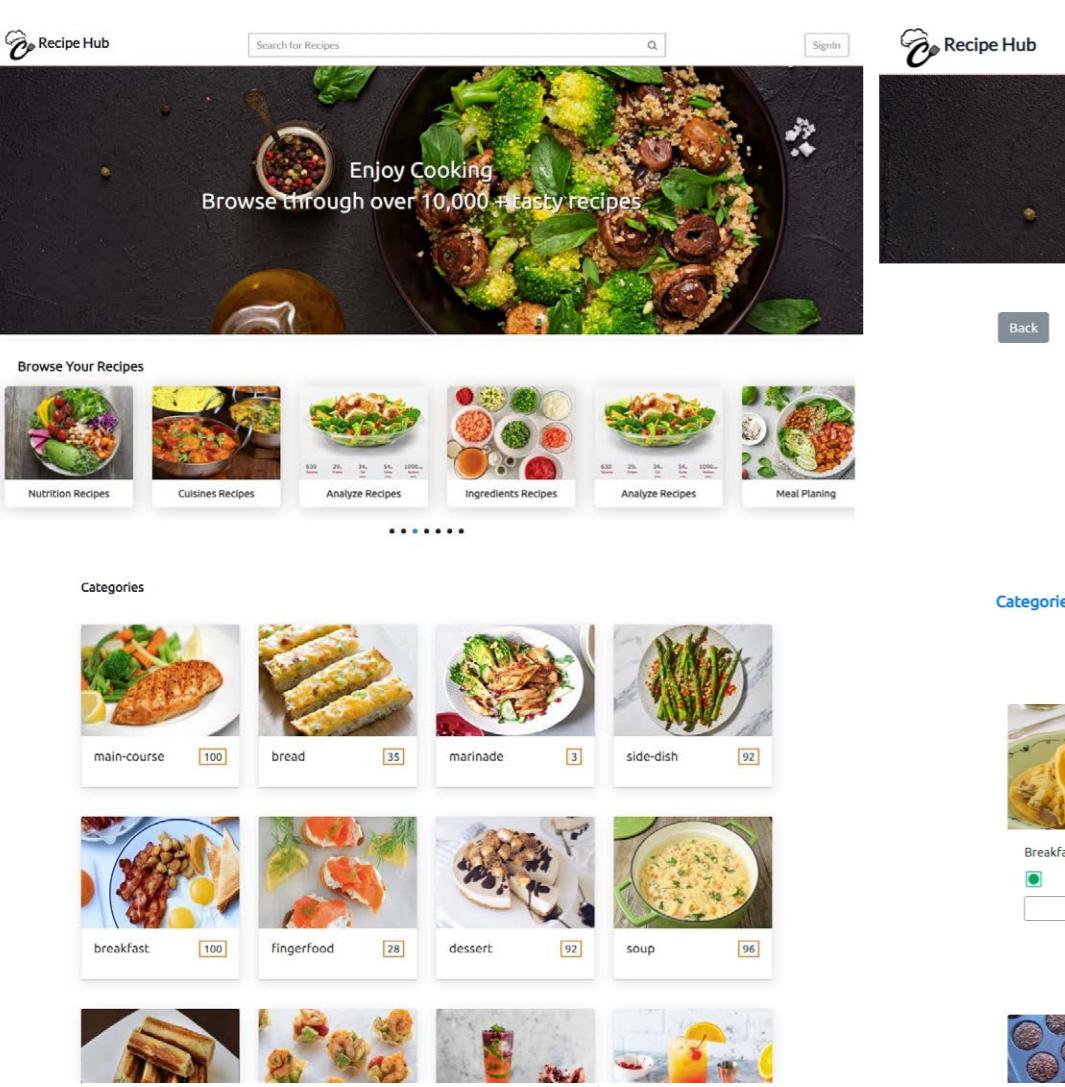
Yug Gajjar

Reetika

Dhyey Darshanhai Patel

Prashant Kumar

Project based learning - Front End Web Development



Project based learning - Front End Web Development

Team Name
Web Warriors

Project Name
Recipe Hub

College Name
Jawaharlal Nehru Technological University, Anantapur

Position
First Runner Up

Team Members
Ch.Narendra
D.Krishna Chaitanya
R.Kishore
G.Vamshi
B.Varuni Lalitha
M.Likhitha

Project Objective

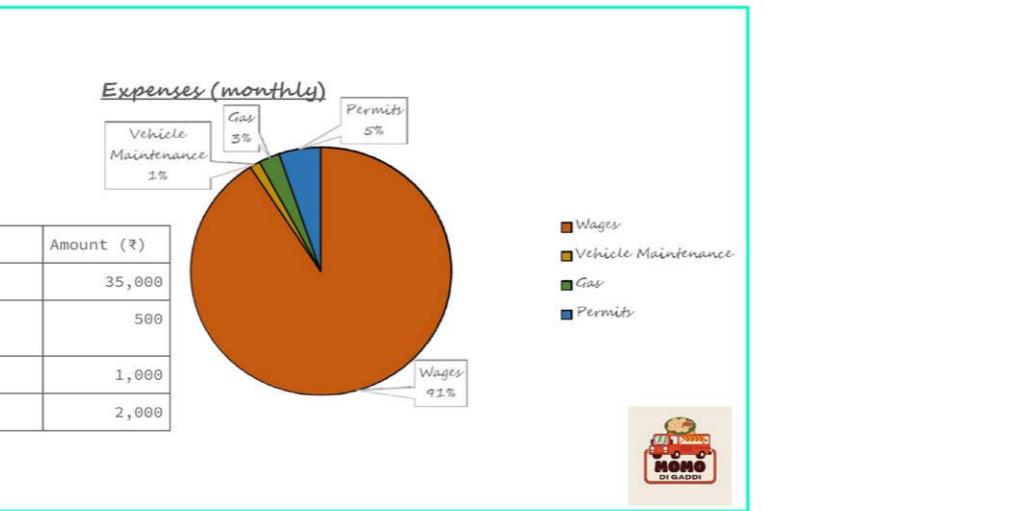
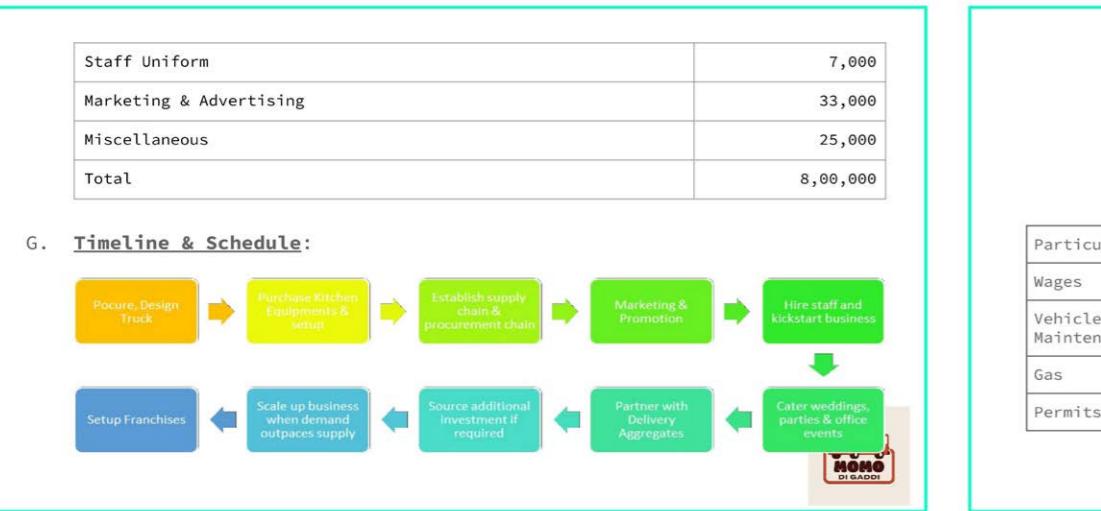
'Recipe Hub,' a website aims to provide over 1000 recipes for visitors to learn from. The novelty of their website is that visitors may analyse recipes, nutrition value, calorific value, and procedures for additional flavour development.

Project Description

Team Web Warriors having 6 students from Jawaharlal Nehru Technological University, Anantapur participated in the IBM SkillsBuild Innovation Camp on Front end web development, and together they have created a website titled 'Recipe Hub,' a website that claims to contain over 1000+ recipes for viewers to learn from. Through this virtual camp, under the guidance of industry experts, the students received the opportunity to brainstorm, study theoretical concepts and then apply them to create this Innovative project. The Web Warriors team has conceptualised a social media platform to share and exchange cooking tips and applied their learnings from the innovation Camp. From conceptualising to developing the interface and designing the entire application, the students were able to create a unique platform. The uniqueness of their website lies in the fact that users are able to analyse recipes including their nutrition value, calorific value, and steps for further taste enhancement of recipes. The Web Warriors made use of technologies such as HTML, CSS, Javascript, Bootstrap, JQuery, Ajax, PHP, and MYSQL to develop their website and secured 1st runner-up position in the Camp.

Project based learning - Innovation Camp on Entrepreneurship

PRODUCT/SERVICES		
Veg	Non Veg	Combos
Desi Momo..... ₹ 39.00	Chicken Momo..... ₹ 79.00	Buy 2 momos of the same price and pay only ₹ 99/139
Cheese Burst Momo.... ₹ 47.00	Chicken Masala Momo. ₹ 79.00	
Paneer Momo..... ₹ 55.00	Mutton Momo..... ₹ 89.00	
Manchurian Momo..... ₹ 57.00	Kheema Momo..... ₹ 89.00	Buy any momos worth ₹60 & above and get any milkshake at flat ₹90
Chinese Momo..... ₹ 57.00	Shogo Shabril Momo.... ₹ 89.00	
Kothey Momo..... ₹ 57.00	Kothey Momo..... ₹ 89.00	
Buckwheat Momo..... ₹ 65.00	Sweet	
Mushroom Momo..... ₹ 67.00	Mango Momo..... ₹ 69.00	
Spinach Cheese Momo. ₹ 63.00	Chocolate Momo..... ₹ 69.00	
Jhol Momo..... ₹ 57.00	Sweet Coconut Momo.. ₹ 69.00	
Soya Momo..... ₹ 57.00		
Tandoori Momo..... ₹ 65.00		
Greeny Momo..... ₹ 67.00		



Project based learning - Innovation Camp on Entrepreneurship

Team Name
Brain Messiah

Project Name
Momo di Gaddi- A food truck project

College Name
ML Dahanukar College of Commerce, Mumbai

Position
Winner

Team Members
*Lakshika Dube
Srushti Gorivale
Simran Sonkar
Nitya Shenai
Mehal Patil
Vaibhavi Narvekar
Mayur Karnad
Varun Surve*

Project Objective

The project's goal was to help all women who lacked resources, support, and a network to realise their dreams through focusing on essential areas to impart employment opportunities for women, which became their site to hear and inspire others.

Project Description

Brain Messiah, a team of 8 students from ML Dahanukar College of Commerce, Mumbai won the IBM Innovation Camp on Entrepreneurship 2022. During the camp, the Team ideated, conceptualised, created, and designed a food truck project titled 'Momo di gaddi.' The aim of the venture was to provide customers with healthy, hygienic, and pocket-friendly momos. Their food truck business was different from other food truck businesses because of their additional unique features such as providing customised momos to their customers. Team Brain Messiah while doing budget forecasting identified that their venture needs much less capital investment than most other projects having decently high profits and returns. The team was also ambitious in their approach where they apprehended a business plan in a manner that if their venture/idea was successful in the first year, they would develop second and third food trucks to expand their horizon and create more business opportunities for themselves. Thus, the IBM Innovation Camp has provided them with great brainstorming opportunities and the camp created an immense scope for ideating a realistic model of business and envisioning growth in a practical manner.

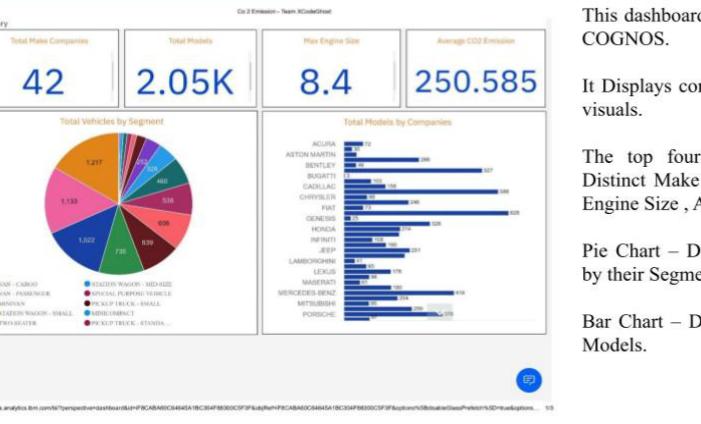
Project based learning - Innovation Camp on Data Analytics

Data Visualization

This heat map shows the correlation of the features on each other.

So by analyzing this graph we can choose which feature is to select or remove.

Cognos Dashboard



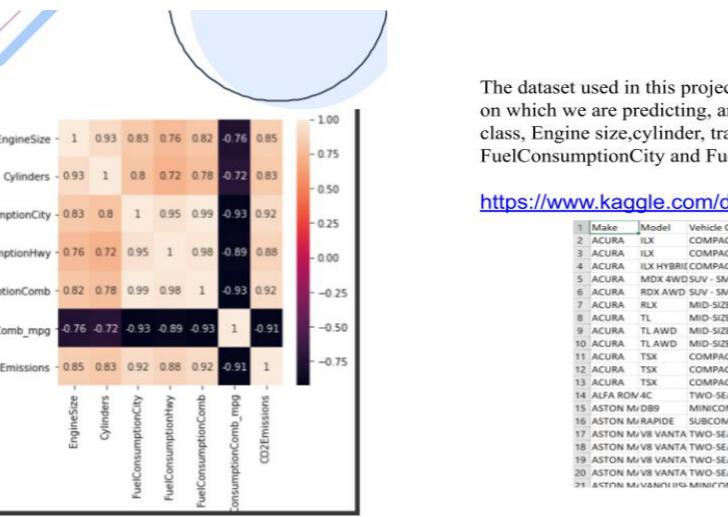
This dashboard is created using IBM COGNOS.

It Displays complete data in form of visuals.

The top four KPI's Shows Total Distinct Make , Models , Maximum Engine Size , Average CO2 Emission

Pie Chart – Displays Total Vehicles by their Segments.

Bar Chart – Displays Total count of Models.

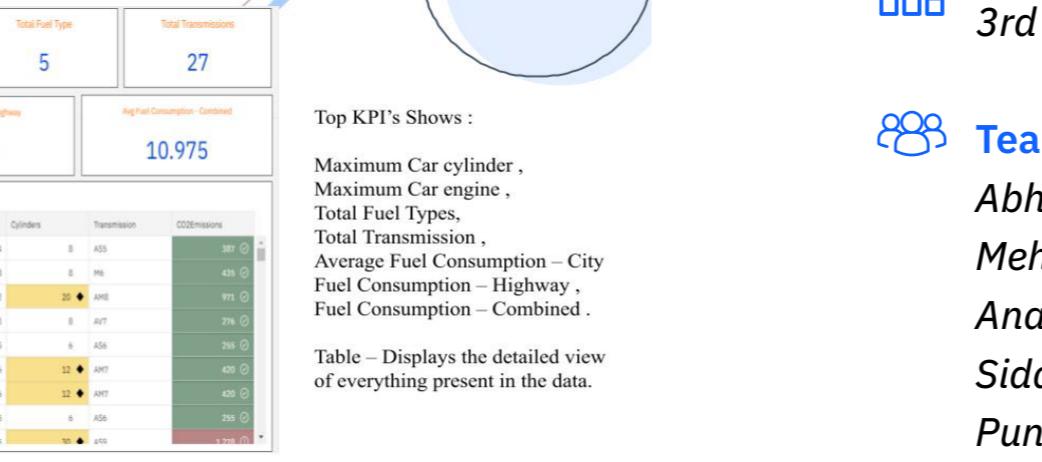


Dataset

The dataset used in this project is taken from Kaggle. There are several attributes in the data set on which we are predicting, analyzing and visualizing the data such as Make, Model, Vehicle class, Engine size,cylinder, transmission, FuelType, FuelconsumptionHwy, FuelConsumptionCity and FuelConsumptionComb.

<https://www.kaggle.com/debjayotipodder/co2-emission-by-vehicles>

Make	Model	Vehicle Class	EngineSize	Cylinders	Transmission	FuelType	FuelConsumptionCity	FuelConsumptionHwy	FuelConsumptionComb	CO2Emissions
2	ACURA	ILX	COMPACT	3	4 A55	Z	9.8	6.7	8.5	33
3	ACURA	ILX	COMPACT	2.4	4 M6	Z	11.2	7.7	9.6	29
4	ACURA	ILX HYBRID	COMPACT	1.5	4 A7	Z	6	5.8	5.9	48
5	ACURA	MDX 4WD SUV	SMA	3.5	6 A56	Z	12.7	9.1	11.1	25
6	ACURA	RLX AWD	SUV	3.5	6 A56	Z	12.1	8.7	10.6	27
7	ACURA	RLX	MID-SIZE	3.5	6 A56	Z	11.9	7.7	10	28
8	ACURA	TL	MID-SIZE	3.5	6 A56	Z	11.8	8.1	10	28
9	ACURA	TL AWD	MID-SIZE	3.7	6 A56	Z	12.8	9	11.1	25
10	ACURA	TL AWD	MID-SIZE	3.7	6 M6	Z	13.4	9.5	11.6	24
11	ACURA	TSX	COMPACT	2.4	4 A55	Z	10.6	7.5	9.2	31
12	ACURA	TSX	COMPACT	2.4	4 M6	Z	11.2	8.1	9.8	29
13	ACURA	TSX	COMPACT	3.5	6 A55	Z	12.1	8.3	10.4	27
14	ACURA	TSX 4WD	COMPACT	1.8	4 A6M	Z	9.7	6.8	8.4	34
15	ASTON MARTIN	MINICOM	3.0	12 A6	Z	18	12.6	15.6	18	359
16	ASTON MARTIN	MINICOM	3.0	12 A6	Z	18	12.6	15.6	18	359
17	ASTON MARTIN VANTAGE TWO-SEAT	4.7	8 AM7	Z	17.4	11.3	14.7	19	338	
18	ASTON MARTIN VANTAGE TWO-SEAT	4.7	8 M6	Z	18.1	12.2	15.4	18	354	
19	ASTON MARTIN VANTAGE TWO-SEAT	4.7	8 AM7	Z	17.4	11.3	14.7	19	338	
20	ASTON MARTIN VANTAGE TWO-SEAT	4.7	8 M6	Z	18.1	12.2	15.4	18	354	
21	ASTON MARTIN VANTAGE TWO-SEAT	4.7	12 A6	Z	18	12.6	15.6	18	354	



Top KPI's Shows :

Maximum Car cylinder , Maximum Car engine , Total Fuel Types, Total Transmission , Average Fuel Consumption – City Fuel Consumption – Highway , Fuel Consumption – Combined .

Table – Displays the detailed view of everything present in the data.

Team Members

Abhishek Sahu

Mehul Kulshrestha

Anany Garg

Siddharth Singhvi

Puneet Goyal

Agam Jain

Siddharth Kavadia

Project based learning - Innovation Camp on Data Analytics



Team Name

XCodeGhost



Project Name

CO2 Emission



College Name

Jaipur Engineering College & Research Centre, Jaipur



Position

3rd Runner Up

Project Objective

The team attempted to anticipate carbon emissions using a CO2 emissions predictive model based on gasoline consumption. Using data visualisation techniques, the study presented emission trends, a Cognos Dashboard, and a heat map.

Project Description

A team of 7 students from Jaipur Engineering College & Research Centre, Jaipur attended the IBM Skill Build Innovation Camp on Data Analytics and developed a data analytics project titled 'CO2 Emission' during the 6 weeks Innovation Camp. During the camp the team was able to learn about Python Programming, Introduction to Data Science, Data Analysis Fundamentals, Data Analysis using Python and Data visualisation tools, etc. As an application of the learning, the team has developed an innovative and useful project on the CO2 emissions predictive model where based on the fuel consumption, team tried predicting carbon emissions. In the project, the team showed us the emission trends, Cognos Dashboard, and heat map using various data visualisation tools. Due to their rigorous efforts, the team was awarded the 3rd runner-up position in the Innovation Camp.

Project based learning - Front End Web Development

The screenshot shows the homepage of the FundMed website. At the top, there's a navigation bar with links for Home, About Us, Resources, and a prominent 'FundMe' button. Below the navigation is a section titled 'FUNDMED' featuring three donation projects: 'Community Cyclone in Aurangabad' (target: ₹50,00,000), 'Community House on Fire' (target: ₹50,00,000), and 'Community KERELA TSUNAMI' (target: ₹20,00,00,000). Each project includes a 'Donate' button and social sharing icons. At the bottom of the page, there are sections for 'OUR FEATURES' (Fundraising, Donation Request, RESOURCES, MEDICAL CAMPS), 'COVID HELP' (COVID-19 RISK TEST, COVID-19 TRACKER, SYMPTOMS CHECKER), 'ABOUT US' (What We Do, Our Mentor, Our Team), and 'COMMUNITY' (GitHub, Discord, Twitter, YouTube). A copyright notice at the very bottom reads '© Copyright 2021 year. All Rights Reserved.'

This screenshot shows a step in the donation process. It features a large illustration of a person in a purple shirt and blue pants holding a large yellow dollar coin over a blue heart-shaped donation box. The text 'FundMed' is at the top, followed by 'Donation Amount' and '1/3'. Below that is a 'SELECT AMOUNT' section with buttons for ₹25, ₹50, ₹100, and ₹500, plus a 'OR, TYPE CUSTOM AMOUNT' input field set to '₹ 0.00'. A 'Next Step →' button is at the bottom.

This screenshot shows a step in the COVID-19 Risk Test process. It features a large illustration of a person in a blue shirt and blue pants walking through a path of blue cubes. The text 'FundMed' is at the top, followed by 'COVID-19 RISK TEST'. A message says 'Thank you for submission' and 'Our telemedical team is reviewing your inputs. we will contact you shortly with our analysis'. Below that are 'Stay Home' and 'Stay Safe' buttons. At the bottom, it says 'Previous' and '4/4'.

Project based learning - Front End Web Development



Team Name

Web Easy

Project Objective

Website provisions to raise donations for medical emergencies, creative endeavours, or any social purpose. Accepting donations, tracking real-time worldwide covid cases, tracking symptoms, payment gateway integration, social media site integration, and other features available at the website.

Project Description

Students of Jaipur Engineering College And Research Centre participated in the IBM SkillsBuild Innovation Camp and secured 2nd runner-up position in the camp. Under the guidance of professionals & industry experts, they've created a website titled Fundmed. The team of 5 students has set a great example by integrating technology for a social good making crowdfunding and medical equipment search convenient. The website empowers individuals for raising funds for medical emergencies, personal needs, creative projects, or any social cause. During the Innovation Camp, students got an opportunity to learn concepts of Javascript, HTML, Cascading Style Sheets, and Design Thinking using the IBM SkillsBuild Platform. The team has added an important and unique feature to their website such as accepting donations, tracking real-time global covid cases, tracking symptoms, payment gateway integration, social media integration, etc. The IBM Skillsbuild platform not only gave the students required knowledge but also opportunity to use their knowledge to develop something practical and useful as well.



Project Name

Fundmed



College Name

Jaipur Engineering College

And Research Centre, Jaipur



Position

Second Runner Up



Team Members

Avinash Soni

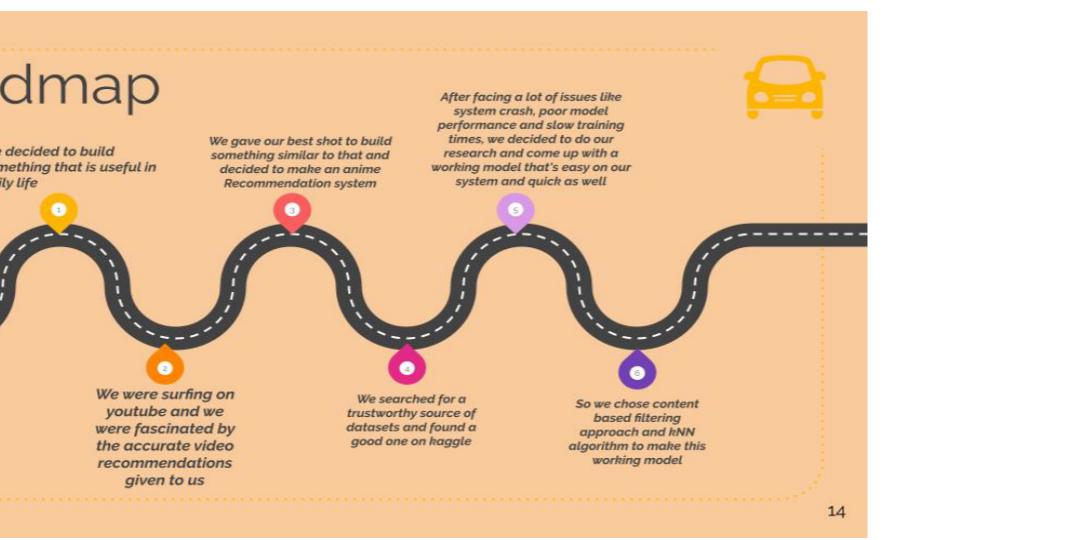
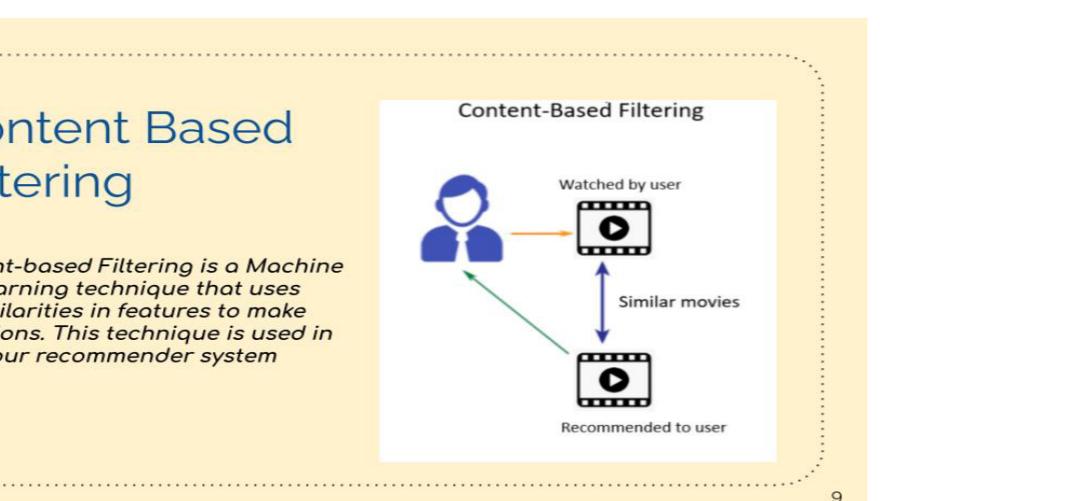
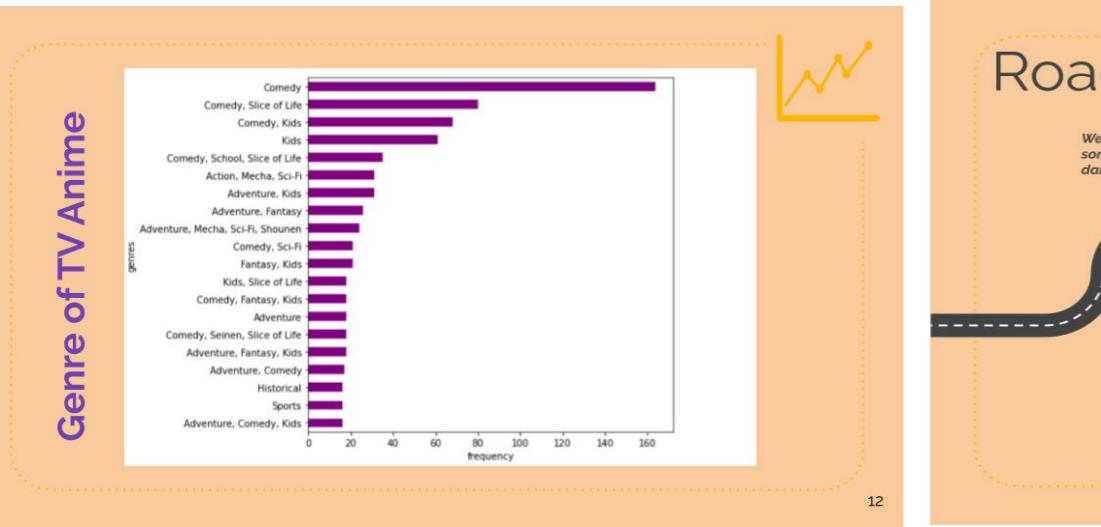
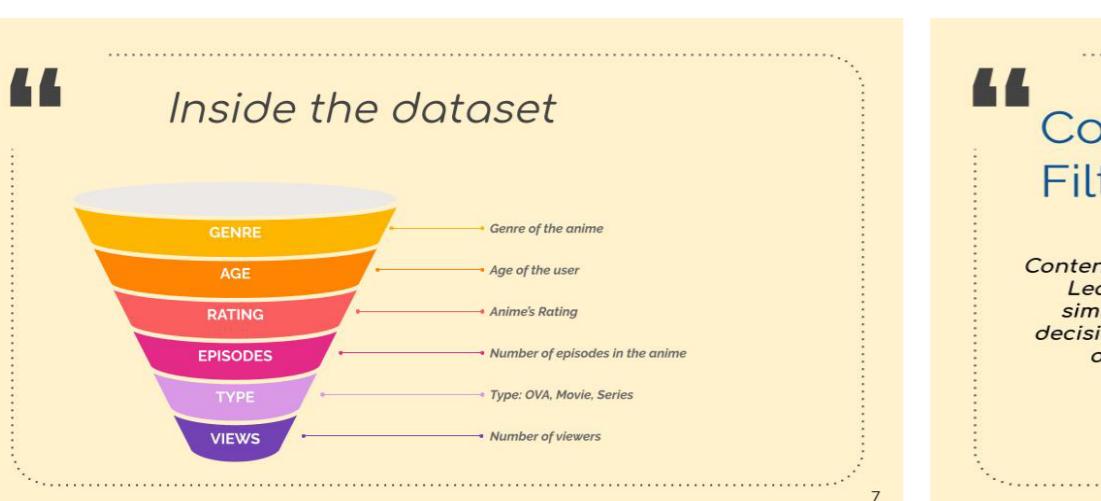
Danny Gupta

Chirag Asawa

Bhanesh Palliwal

Kapil Garg

Project based learning - Innovation Camp on Data Analytics



Project based learning -Innovation Camp on Data Analytics

Team Name
Scorpion

Project Name
Anime Recommendation System.

College Name
APS College of Engineering

Position
1st Runner Up

Team Members
*Rahul Mondal
Balaji S
Dishan Anegundi
S Naveen
Sri Harsha Simha K
Akshat Singh
Shalom Justin*

Project Objective

The project showcased the media, Python-coded anime, the most well-known anime type. This application gathered user feedback and used content-based filtering to generate suggestions for anime.

Project Description

APS College of Engineering’s Team Scorpion consisting of 7 members attended and won the IBM SkillsBuild Innovation Camp on Data Analysis. This Camp provided them with the skills and competencies related to devising an Anime Recommendation System. Through their project, the team showcased the most viewed medium of anime, the most liked genre of anime, and anime having the most views using the Python coding language. This application was designed to take the user input & recommend similar animes using content-based filtering. IBM SkillsBuild gave this team of young students the opportunity to not only network and meet professionals in the field but also learn coding programs such as python & other data science tools. Self-paced learnings from IBM SkillsBuild has enabled the team to put their knowledge to practise and develop a data science project of their own.

Project based learning - Innovation Camp on Entrepreneurship

Vision
We aspire to facilitate a self-sustaining model for resource mobilization and skill development of rural communities.

Branding & Marketing
Branding
The next step is to quality check the product to keep up the standard to the product to establish a brand and to market the same.
Social media optimization for marketing
1. Utilize platforms like Instagram, Facebook to promote cause
2. Attain maximum reach for the end products obtained.

Funding & Budget
Non profit organizational support:
We have approached various NGOs such as Rotaract, Innerwheel etc for:
1. Networking support
2. Manpower pooling
3. Product reach
4. Initial funding
Fundraising:
1. Conduct social events
2. Collect necessary funds
3. Campaigning
Budget:
At the initial stage of our project mainly focuses on the equipments and arranging the skill development programmes.

Project based learning - Innovation Camp on Entrepreneurship

Team Name

Meraki

Project Name

Ensemble

College Name

Kumaraguru College of Liberal Arts and Science

Position

1st Runner

Team Members

Pavithra T
Laura Cecilia. K
Anam Y
Pranav Kumar. A
Shanjay. K P
Smrithi M G
Srivarthini R

Project Objective

Ensemble wants to build a platform to unite various artists to collaborate to co-create harmony in the form of products and promote the significance of secondary income in communities who live below the poverty line.

Project Description

A team of 7 students from Kumaraguru College of Liberal Arts & Science became the 1st runner-up at the IBM SkillsBuild Innovation Camp on Entrepreneurship 2021. Through this Camp on Entrepreneurship, the team developed a business idea titled 'Ensemble.' It was a highly creative and innovative business idea since the team aims towards creating a platform to bring together various artists so that they are able to co-create harmony in the form of products. Through their business idea they tried creating a platform to support and encourage the importance of secondary revenue in the below poverty line communities. Hence, alongside a creative approach, their business idea also had a significant element of impact and welfare in its design and thinking. The IBM SkillsBuild Camp of 2021 gave the students the unique opportunity to experiment, gather knowledge and bring an innovative venture to life together as a team.

Project based learning - Front End Web Development

The screenshot displays two main sections of the 'Around Us' website. On the left, the 'Inbox' section shows a list of messages from users Rama Krishna and Sumithra Gopalan, both of whom have sent five identical messages saying 'Hi, This is Ramakrishna' 2 hours ago. On the right, the 'Order Listing' section shows a dashboard with four identical graphs for 'Active Orders' each showing a value of 1046. Below this, a table lists four pending orders for customer Rama Krishna, each with a 'view items' button, a price of 20, and a status of 'Pending'. The table includes columns for Order ID, Customer Name, Address, View Items, Price, Status, Time Slot, and Action.

The screenshot shows the 'Dashboard / My Dashboard' page with four cards: '26 New Messages!' (view details), '11 New Reviews!' (view details), '16 New Orders!' (view details), and '10 New Bookmarks!' (view details). Below the dashboard is a line chart titled 'statistic' showing order volume over time from March 1 to March 13. The main content area features a business profile for 'Harry's Vegetable Stall' located at '3rd street beside the bangles shop'. The profile includes a 4.5 Ratings section, a description about fresh vegetables, delivery slots (10 A.M., 3 P.M., 7 P.M.), a reviews section with a 8.5 Superb rating based on 4 reviews, and a food quality and service rating scale. At the bottom, there is a section titled 'Items Available'.

Project based learning - Front End Web Development



Team Name

Illuminati



Project Name

Around US



College Name

Jawaharlal Nehru Technological University, Anantapur



Position

Third Runner Up



Team Members

Chala Yeshwanth

Shyam Kumar

Nanda Kishore

Hari Priya

Pavithra

Jyoshna

Project Objective

Around US' aims to serve as a platform for local customers and lone business owners to identify business opportunities close by. Additionally, the website offers useful elements like a vendor, buyer, and admin panel.

Project Description

A team of 6 students from Jawaharlal Nehru Technological University, created a website titled 'Around US' to empower single person owned and home owned businesses as a part of IBM SkillsBuild Innovation Camp on Front End Web Development. Through the camp, students were given an opportunity to acquire knowledge via the IBM SkillsBuild Platform & practise their learnings while designing a website. Their website will act as a platform for single business owners & customers in a locality to find business opportunities in their vicinity.

The website also has practical & significant features such as a customer, seller, and admin panel. The team attended various masterclasses by subject experts and mentoring sessions by IBM esteemed employees in order to broaden their knowledge spectrum. Their assigned mentor has helped the team in building their website having all the relevant webpages such as homepage, login webpage, product and order list, chat and messages screen, etc.

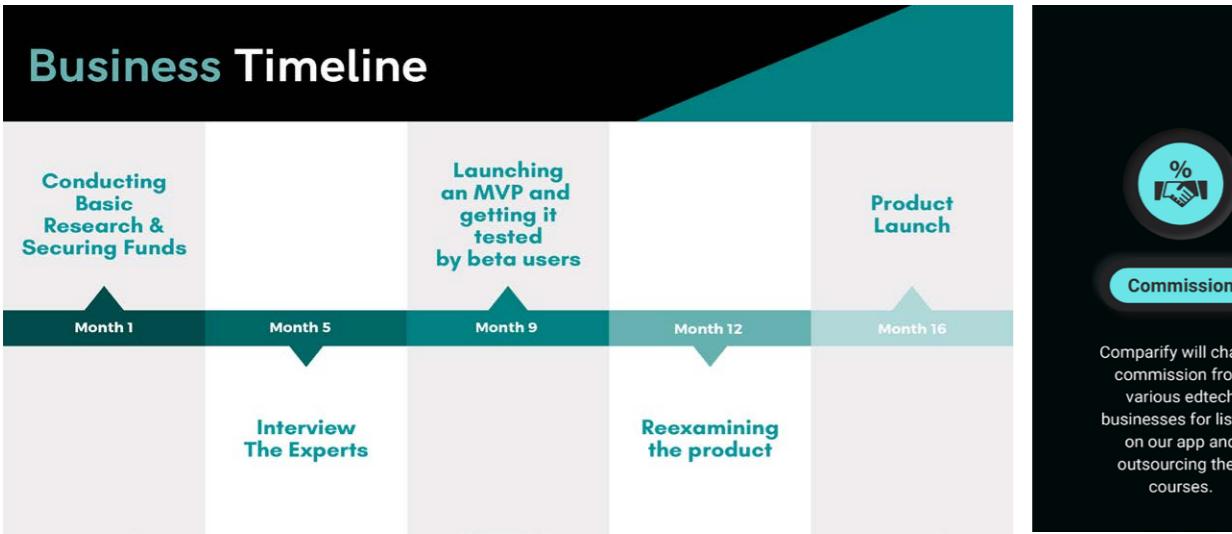
Project based learning - Innovation Camp on Entrepreneurship

TARGET CUSTOMERS



Students
15–25 years of age
• Higher Secondary Education, Undergraduates and Graduates
• Education and Career-oriented individuals
• Urban and Semi-urban

Ed-Tech Start-up and Ventures
New age Start-ups and Educational Ventures
• Focusing on Increasing the customer base and Increasing the profit margin
• Online-based modes



Why will our product appeal to our customers?

- 01 It provides the deep comparison of the courses on different basis
- 02 The apt course which suits best to their needs in just few clicks
- 03 Promote Ed-tech startups, facilitate them with the customer base
- 04 Professional counselling to the customer at the best market price to understand the courses to choose as per their career aspiration

Revenue Stream



Commission: Comparify will charge commission from various edtech businesses for listing on our app and outsourcing their courses.

Paid Membership Programme: Comparify will have a paid membership programme, which unlocks premium services for them.

Advertising: Comparify will make advertising revenue by displaying paid advertisements of individuals and businesses on our websites, social media channels, etc.

Ed-Tech Industry Consultancy: We will provide analytical and business tools to the startup and companies from our generated database.

Project based learning - Innovation Camp on Entrepreneurship



Team Name

Team Elite



Project Name

Comparify



College Name

Ramjas College



Position

Winner



Team Members

Rashika Agarwal

Nikhil Singh

Mitali Luthra

Kanishka Sharma

Divya Garg

Harshita Jain

Mayank Goyal

Project Objective

Comparify aimed to meet various demands of startups and assisting customers in search of online courses with access to business for marketing analytical tools to improve skills and livelihood opportunities.

Project Description

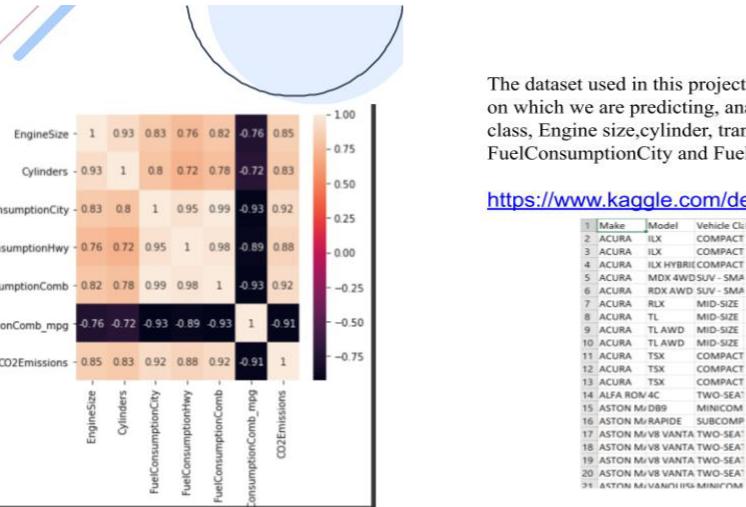
Team Elite, composed of 8 students from Ramjas College has attended the 5 weeks IBM SkillsBuild Innovation Camp on Entrepreneurship 2021 where they built their business plan called 'Comparify.' Comparify is an ed-tech platform connecting customers, startups, and companies and serving their multiple needs. Their idea tried to cater to the diverse needs of customers, startups, and companies including helping the customers search for the best suitable online courses and providing companies with industry-specific marketing & analytical tools etc. The impact of their business plan was to make youth skills and enhance livelihood opportunities for their beneficiaries. The team also secured the first position in the Innovation Camp for their innovative and complete business plan. Through the camp, the students were able to learn, how they can convert their random business idea into a full-fledged doable business.

Project based learning - Innovation Camp on Data Analytics

Data Visualization

This heat map shows the correlation of the features on each other.

So by analyzing this graph we can choose which feature is to select or remove.



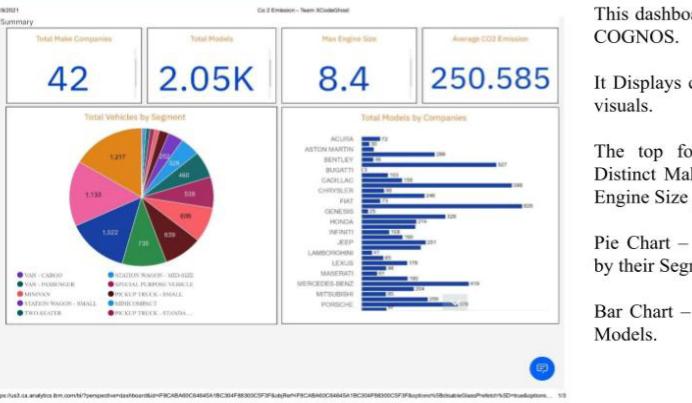
Dataset

The dataset used in this project is taken from Kaggle. There are several attributes in the data set on which we are predicting, analyzing and visualizing the data such as Make, Model, Vehicle class, Engine size,cylinder, transmission, FuelType, FuelconsumptionHwy, FuelConsumptionCity and FuelConsumptionComb.

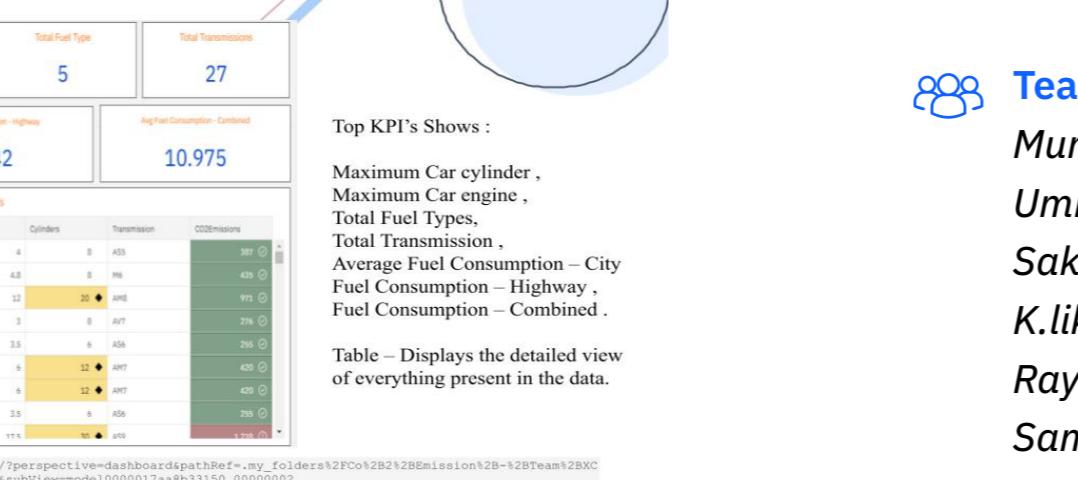
<https://www.kaggle.com/debjayotipodder/co2-emission-by-vehicles>

1	Make	Model	Vehicle Class	Cylinders	Transmission	FuelType	FuelConsumpCity	FuelConsumpHwy	FuelConsumpComb	CO2Emissions	
2	ACURA	ILX	COMPACT	2	4 A5S	Z	9.9	6.7	8.5	33	
3	ACURA	ILX	COMPACT	2.4	4 M6	Z	11.2	7.7	9.6	29	
4	ACURA	ILX HYBRID COMPACT	1.5	4 A7V	Z	6	5.8	5.9	48	136	
5	ACURA	MDX 4WD SUV - SMA	3.5	6 A5S	Z	12.7	9.1	11.1	25	255	
6	ACURA	RDX AWD SUV - SMA	3.5	6 A5S	Z	12.1	8.7	10.6	27	244	
7	ACURA	TL	MID-SIZE	3.5	6 A5S	Z	11.9	7.7	10.1	28	230
8	ACURA	TL	MID-SIZE	3.5	6 A5S	Z	12.8	9	11.1	25	255
9	ACURA	TL AWD	MID-SIZE	3.7	6 A5S	Z	13.4	9.5	11.6	24	267
10	ACURA	TL AWD	MID-SIZE	3.7	6 M6	Z	10.2	7.5	9.2	31	212
11	ACURA	TSX	COMPACT	2.4	4 A5S	Z	10.2	8.1	9.8	29	225
12	ACURA	TSX	COMPACT	2.4	4 M6	Z	11.2	8.1	9.8	29	225
13	ACURA	TSX	COMPACT	3.5	6 A5S	Z	12.1	8.3	10.4	27	239
14	ALFA ROMEO	GT	COMPACT	1.8	6 A5M	Z	9.7	6.4	8.4	34	220
15	ASTON MARTIN	DB9	MID-SIZE	5.0	12 A6	Z	12.8	12.6	13.1	18	309
16	ASTON MARTIN	DB9	MID-SIZE	5.0	12 A6	Z	12.8	12.6	13.6	18	359
17	ASTON MARTIN	VANTAGE TWO-SEAT	4.7	8 AMT	Z	17.4	11.3	14.7	19	338	
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20	ASTON MARTIN	VANTAGE TWO-SEAT	4.7	8 M6	Z	18.1	12.2	15.4	18	354	
21	ASTON MARTIN	VANTAGE TWO-SEAT	4.7	8 AMT	Z	18.1	12.2	15.4	18	354	

Cognos Dashboard



This dashboard is created using IBM COGNOS.
It Displays complete data in form of visualizations.
The top four KPI's Shows Total Distinct Make , Models , Maximum Engine Size , Average CO2 Emission
Pie Chart – Displays Total Vehicles by their Segments.
Bar Chart – Displays Total count of Models.



Top KPI's Shows :

Maximum Car cylinder ,
Maximum Car engine ,
Total Fuel Types ,
Total Transmission ,
Average Fuel Consumption – City
Fuel Consumption – Highway ,
Fuel Consumption – Combined .

Table – Displays the detailed view of everything present in the data.

Project based learning - Innovation Camp on Data Analytics

Team Name

Team Ignite

Project Name

Raise a voice on crimes against women

College Name

JNTUA College of Engineering Pulivendula

Position

2nd Runner Up

Team Members

Mummineni Sathvika

Umannagari Shamitha Reddy

Sake Archana

K.likhitha

Rayalam Jayasree

Sambaturu Dharani

Gutta Vennela

Mudhiiguuba Kalyonnii

Project Objective

The team attempted to anticipate carbon emissions using a CO2 emissions predictive model based on gasoline consumption. Using data visualisation techniques, the study presented emission trends, a Cognos Dashboard, and a heat map.

Project Description

Team Ignite consisting of a total of 8 students from JNTUA College of Engineering Pulivendula attended IBM SkillsBuild Innovation Camp on Data Analytics.

Team Ignite has prepared a Data Analytics Project titled 'Raise a voice on crimes against women' where the team has worked on huge state-specific data sets of 5 different crimes in India. Further, the team has analysed their data-sets based on the age group committing more crimes. The team has worked on extensively huge data sets of the reported crime in various states such as kidnapping, cruelty, rapes, dowry, immoral traffic, etc, and using python the

team showcased the age-specific crime trends in multiple states of India. The team has used Python for programming, tableau for data visualisation, Jupyter Notebook and google colabs for running python codes. The team learned the concepts of Data Visualization and Python via IBM SkillsBuild self-paced learning and various masterclasses conducted during the camp. Thereafter they've applied their learnings to showcase the trends and crime progression in India.

Due to their rigorous efforts, the team secured the 1st Runner up position in the Innovation Camp on Data Analytics 2021.

Our Partners





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