3ʳᵈ International Conference on Data Science & Engineering Applications (DSEA-2022)

Organized by

Global institute of Technology, Jaipur

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About the Conference

3rd International Conference on Data Science & Engineering Applications (DSEA-2022) organized by Department of Computer Science & Engineering, Global Institute of Technology, Jaipur Rajasthan, India in association with Rajasthan Technical University, Kota, Rajasthan, India and CSI, India on 15th - 16th April 2022 with conference proceeding (ISBN No: **978-81-956107-1-6**) and **International Journal of Global Research in Science & Technology (IJGRST),** ISSN: 2455-3832 (http://ijgrst.gitjaipur.com/) as a publication.

DSEA-2022 acts as a forum for the academic as well as industrial Community to address the opportunities & challenges and to discuss the scope for future research. The conference will bring together academicians, research scholars, engineers and scientist to exchange and share their experience. The conference will provide an opportunity for the presentation of new advances in theatrical and experimental research in the fields of Engineering, Technology, Applied Science and which covers Electrical, Electronic, Computer Science and Information Technology, Management Mechanical, Civil. Robotics, Artificial Intelligence, Cloud Computing, Image Processing, Power System, and Applied Science.

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About Rajasthan Technical University (RTU)

Rajasthan Technical University (RTU) is located in Kota in the state of Rajasthan. It was established in 2006 by the Government of Rajasthan to enhance the technical education in the state.

The university has been established in the campus of University College of Engineering, Kota (previously known as Engineering College, Kota), which is located on the Rawatbhata Road, about 14 kms from Kota Railway Station and 10 kms from Kota Bus Stand.

The university currently affiliates about 68 Engineering Colleges, 03 B.Arch., 16 MCA Colleges, 39 MBA Colleges, 31 M. Tech Colleges, 01 M. Arch and 01 Hotel Management and Catering Institute. More than 1.5 lacs students' study in the various institutes affiliated to the University.

The University offers almost all the disciplines related to technical education including Bachelor of Technology, Master of Technology, Master of Business Administration, Master of Computer Applications, and Bachelor of Hotel Management and Catering Technology.

The Hon'ble Governor of Rajasthan His Excellency Shri Kalraj Mishra is the Chancellor, and Prof. R. A. Gupta is the Vice-Chancellor of the University.

About Computer Society of India

Computer Society of India is a body of computer professionals in India. It was started on 6 March 1965 by a few computer professionals and has now grown to be the national body representing computer professionals. It has 72 chapters across India, 511 student branches, and 100,000 members.

The Computer Society of India is a non-profit professional meet to exchange views and information to learn and share ideas. The wide spectrum of members is committed to the advancement of theory and practice of Computer Engineering and Technology Systems, Science and Engineering, Information Processing and related Arts and Sciences.

The Society also encourages and assists professionals to maintain integrity and competence of the profession and fosters a sense of partnership amongst members. Besides the activities held at the Chapters and Student Branches, the Society also conducts periodic conferences, seminars.

About Global Institute of Technology

Global Institute of Technology Society (GITS) has been promoted by Kandoi Group; an Industrial House engaged in Manufacturing and Hospitality Business. Kandoi Group is actively involved in social activities such as running of the charitable school, organizing mobile surgical camps and blood donation camps.

Global Institute of Technology (GIT) enjoys the privilege of being the first private engineering college in North India to be accredited with an A grade by NAAC- UGC. The first shift offers B. Tech. Degree in seven significant branches of engineering, namely, Artificial Intelligence and Data Science, Electronics and Communication Engineering, Electrical Engineering, Mechanical Engineering, Computer Science and Engineering, Civil Engineering and Information Technology. It also offers a degree in two years full-time M.Tech in four branches: Digital Communication, Computer Science & Engineering, Power System and Production Engg.

Message from Chairman

It gives me great pleasure to know that the **Global Institute of Technology, Jaipur** is taking an endeavor to organize **3rd International Conference on Data Science & Engineering Applications (DSEA-2022) on 15th - 16th April 2022** is also bringing out the proceedings with ISBN to commemorate the occasion.

I strongly believe that the topic chosen for the conference is very high significance and need in all aspects of society. The advancement of technology has had an enormous impact on the world. With new advances in technology, people are becoming more and more reliant on the benefits they provide and have become significantly important in the realms of education, business, interpersonal interactions and crisis responses. The role of engineer encompasses not only the mastery of technical skills and techniques, but also the understanding of subject to apply these skills purposefully, safely and responsibly in everyday life so as to serve the best to humanity.

I extend my heartiest congratulations to the conveners and all the members of the organizing committee for their commendable efforts to organize the event and I wish the conference a great success.

Sh. Rajkumar Kandoi
Chairman
Global Institute of Technology, Jaipur

Message from Chief Executive Officer

I am extremely happy that the **3rd International Conference on Data Science & Engineering Applications (DSEA-2022)"** has organized at our premier Institute on **15th - 16th April 2022**

Development and advancements in the technology are the basis foundations for the future backbone of the technical and industrial scenario. For India to attain its rightful place in the world, it is must attain leading place in the field of science and technology. In this direction I feel that organizing such type of conferences is the right way among the scientists, scholars and participants to provide an opportunity for mutual sharing of knowledge and experience.

I have learned that the conference had got a huge response from its participants and a large numbers of good research papers have been received from the Institutes of repute all over India. The constant efforts made by the organizers are very much appreciable and I congratulate them from the core of my heart.

I wish the conference a grand success and a very happy stay to all the participants & delegates.

Sh. Naman Kandoi
Chief Executive Officer
Global Institute of Technology, Jaipur

Message from Executive Director

I am very much pleased to organize **3rd International Conference on Data Science & Engineering Applications (DSEA-2022)** on **15th - 16th April 2022**. Undoubtedly, it is a praiseworthy attempt. We all know that information is knowledge and knowledge is power. Therefore, it is very essential to have information and share it with all. I am sanguine that this conference will offer a platform to exchange the vast and rich experience among its participants, scholars and researchers and to provide them ample opportunities for fruitful discourses on the concerned subject area during the span of these two days. It will be my endeavor to hold such type of events regularly in future to enhance the expertise of the scholars, academicians and participants.

I am very happy to know that a large numbers of research papers have been received from various authors which is real outcome of the efforts put in by Prof. I. C. Sharma, Principal and Mr. Pradeep Jha, convener of the conference, who has taken the lead along with their dedicated and hardworking organizing members of the committee. I congratulate each one of them and express my best wishes for the resounding and successful conduction of the conference.

I convey my warm greetings and good wishes to all the participants on this Mega-Technical event.

Sh. Manoj Mahla
Executive Director
Global Institute of Technology, Jaipur

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Message from Principal

I am extremely happy that the **3rd International Conference on Data Science & Engineering Applications (DSEA-2022)** on **15th - 16th April 2022** is going to be organized by Global Institute of Technology, Jaipur, Rajasthan, India in associate with Rajasthan Technical University, Kota, Rajasthan, India and CSI India, with conference proceeding (ISBN No: **978-81-956107-1-6**) and **International Journal of Global Research in Science & Technology (IJGRST),** ISSN: 2455-3832 (http://ijgrst.gitjaipur.com/) as a publication.

The theme of the international conference is very relevant in the present context. I hope the conference will provide an excellent opportunity to all the participants, academicians, technocrats and scholars to learn about the latest technological developments and will quench the thirst of information seekers from all over the country and abroad. I am sure that the symposium will see meaningful discussion and yield constructive results.

I extend my heartiest congratulations to the conveners and all the members of the organizing committee for their commendable efforts to organize the event and I wish the conference a great success. I also welcome all the participants and delegates present on the event.

Prof. I. C. Sharma

Principal

Global Institute of Technology, Jaipur

Message from Convener

It is great pleasure and an honor to welcome the distinguished guests, authors and delegates with open heart to the **3rd International Conference on Data Science & Engineering Applications (DSEA-2022)** on **15th - 16th April 2022**, being organized by Global Institute of Technology, Jaipur. It is very exciting to note the overwhelming response to our invitation from all the authors.

At the outset, I would like to pay my sincere gratitude to our chief patron **Prof. R. A. Gupta, (Honourable, Vice Chancellor of RTU, Kota),** Sh. Rajkumar Kandoi, Chairman-GIT, for providing us the opportunity to organize DSEA-2022 and extending their support and guidance to make the dream of organizing the conference come true.

Our earnest thanks to all the members who have consented to be the member of our Advisory and Technical Review Committee and also to them who have contributed to provide the technical sponsorship to this conference.

We would also like to thank **Sh. Manoj Mahla** and **Prof. I. C. Sharma, Principal** for their moral support and guidance. Our special thanks go to my Core Team Members and others who have sincerely and dedicatedly completed their assigned task to make the event victorious.

At last, thanks to everyone.

Mr. Pradeep Jha

Convener DESA-2022

Message from Co-convener

It is my privilege and honor to welcome you all to the "**3rd International Conference on Data Science and Engineering Application (DSEA) 2022**" in association with the **International Journal of Global Research in Science & Technology (IJGRST)** (http://www.ijgrst.gitjaipur.com), on 15th-16th of April 2022 at Global Institute of Technology Jaipur.

The main goal of organizing this conference is to share and enhance the knowledge of each and every individual in this fast-moving Information Era. We have given a good opportunity for those who have a thirst in knowing the present technological developments and also share their ideas. Additionally, this conference will also facilitate the participants to expose and share various novel ideas. The conference aims to bridge the researchers working in academia and other professionals through research presentations and keynote addresses in current technological trends.

I want to thank the conference committee for extending their valuable time in organizing the program and all the authors, reviewers, and other contributors for their sparkling efforts.

We would also like to thank Sh. Rajkumar Kandoi, Chairman GIT Jaipur, Sh. Naman Kandoi CEO- GIT Jaipur, Sh. Manoj Mahla Executive Director, GIT-Jaipur and Prof. I. C. Sharma, Principal GIT-Jaipur for their and guidance.

Mr. Amit Bohra

Co-convener DESA-2022

Message from Co-convener

It is a matter of contentment and pride for all of us to organize "**3rd International Conference on Data Science and Engineering Application (DSEA) 2022**". We have been thinking about organizing a conference for quite some time and the first aspect which we had to discuss was that would we be able to make it meaningful and fulfill the expectations of the participants and the aspirants. This took us around a year to think over the issues to be floated, the format, the key participants, their orientation, and so on. I am sure that you will gain from this event and please forgive us of any shortcomings.

I believe DESA-2022 is a strong platform for discussions on the recent advancements in this field, and it plays a crucial role to provide sophisticated analytical instrument support to the researchers from universities, national laboratories and also industries all over India. I am sure the technical and scientific program of the conference would certainly give the delegates an opportunity for fruitful discussions and stimulating interactions.

We would also like to thank Sh. Rajkumar Kandoi, Chairman GIT Jaipur, Sh. Naman Kandoi CEO- GIT Jaipur, Sh. Manoj Mahla Executive Director, GIT-Jaipur and Prof. I. C. Sharma, Principal GIT-Jaipur for their and guidance.

Mr. Rajesh Rajaan

Co-convener DESA-2022

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Image Forgery Detection sing Clustering Algorithm & Transform Function

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Abstract— The image forgery detection is important tools in digital multi-media analysis. Now a day's digital multi-media faced a problem of copy paste and tampering by different multi-media authoring tools. The tampered and copy paste image change the actual scenario of original image and its illegal process in current scenario of multi-media. For the detection of image forgery various pixel and transform based method are applied. The applied method is better in some detection and estimation, but faced a certain limitation. In this paper proposed texture-based image forgery detection. The texture-based image forgery detection is very efficient in terms of detection ratio. For the extraction of texture feature used discrete wavelet transform function. For the generation of block used partition clustering technique. the partition clustering technique creates the block of original and forged image. The proposed algorithm is simulated in MATLAB software and used very famous dataset MFIC2000.
Keywords— Image Forgery, DWT, Cluster Segmentation, Texture

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Detection of Medical Disease Pattern using Machine Learning Algorithm

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Abstract— Pattern analysis of medical disease data is an emerging research area after COVID-19. The process of pattern analysis gives the direction of estimation of the nature and propagation of disease and viruses. Machine learning algorithms have great potential to find patterns in medical disease data. This paper proposed an unsupervised machine learning algorithm and a genetic algorithm for pattern analysis of medical disease data. The clustering algorithm encapsulates the genetic algorithms and reduces the variation of the centre of the cluster and predicts better patterns of medical disease data analysis. The proposed algorithm is implemented in MATALB software and tested with reputed datasets from the UCI-Machine learning repository. The proposed algorithm compares existing pattern analysis algorithms.

Keywords:— Medical Disease, pattern analysis, Machine Learning, GA, clustering

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Enhance the Performance of Computational Grid Using Teacher Learning Based Optimization Algorithm

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Abstract— The computational grid efficiency depends on the proper allocation of resource and jobs. For the proper allocation of resource and jobs used various scheduling algorithm. the scheduling algorithm follow the principle of static method and failure of job is occurred. In this paper used dynamic resource allocation technique using teacher learning based optimization algorithm. the teacher learning based optimization algorithm increase the capacity of computational grid. For the evaluation of the performance of computational grid used MATLAB software and different set of jobs.

Keywords:— Grid Computing, ACO, TLBO, cloud

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HandyMart: An Online Shopping Platform for handicrafts items

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Abstract—-This venture is an online shopping framework for a current shop. Web based shopping is the procedure whereby purchasers straightforwardly purchase products or administrations from a merchant continuously, without a mediator benefit, over the Internet. . It is a type of electronic trade. This venture is an endeavour to give the upsides of web based shopping to clients of a genuine shop. It helps purchasing the items in the shop any place through web by utilizing an android gadget. In this manner the client will get the administration of web based shopping and home conveyance. In this the items I move in various models of specialties that are creates web based shopping. Art works internet shopping are a site which client can get a disconnected help. In this site client will get data about the carefully assembled endowments. The art works internet shopping is framework which can be utilized to put in a request to give the ideal noteworthy present to your companions for their birthday celebrations, weddings, commemoration occasions and so forth. In this I have diverse kinds of welcome cards and have distinctive models. In these cards we will glue your photos as recollections and can compose messages.

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Music Recommendation System by using Chatbot

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Abstract— Music is a basic piece of our lives. Notwithstanding, since the web-based media stages like TikTok and Instagram affect the music graphs around the world, clients are presented exclusively to standard music, in this manner the proposals on music streaming stages are not extremely customized. A melody and feeling based suggestion framework allows the clients to pay attention to music in view of their feelings. Existing frameworks use sound signs utilizing the CNN approach and cooperative sifting to suggest melodies in lightof the client's set of experiences. The proposed research work fosters a customized framework, where the client's ebb and flow feeling is investigated with the assistance of the chatbot. The chatbot distinguishes theclient's opinion by posing a few general inquiries. In light of the information given by the client, current inclination or state of mind is dissected by the chatbot and it will create the playlist. The proposed suggestionframework uses the APIs for the playlist age and suggestion. In this undertaking, we have planned, carried out and ana-lyzed a tune proposal framework. We utilized Million Song Dataset given by Kaggle to track down connections among's clients and melodies and to gain from the past listening history of clients to giveproposals to tunes which clients would like to listen most. In this paper, we will talk about the issues we confronted, techniques we have executed, results and their examination. We have best outcomes for memorybased cooperative sifting calculation. We accept that content-based model would have worked better if we could have sufficient memory and computational ability to utilize the entire accessible metadata and preparing dataset.

Keywords— suggestion frameworks, music, Million Song Dataset, cooperative separating, content-based

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One Platform to Manage your Entire Admissions-OPMA

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Abstract— There have been emotional advances in the improvement of electronic information assortment instruments. This paper traces an efficient electronic way to deal with work with this interaction through privately evolved code and to depict the consequences of utilizing this cycle following two years of information assortment. We give a nitty gritty illustration of an online technique that we produced for a review in Starr County, Texas, surveying secondary school understudies' work and wellbeing status. This online application incorporates information instrument plan, information passage and the board, and information tables expected to store the outcomes that endeavor to amplify the benefits of this information assortment technique. The product likewise proficiently delivers a coding manual, online measurable rundown and crosstab reports, as well as information formats for use by factual bundles. Generally speaking, online information section utilizing a powerful methodology ended up being an extremely proficient and compelling information assortment framework. This information assortment strategy sped up information handling and investigation and dispensed with the requirement for awkward and costly exchange and following of structures, information passage, and check. The code has been made accessible for non-benefit utilize just to the general wellbeing research local area as a free download.

Keywords— Information Processing, Data Entry, Verification, Data Collection, SaaS, SQL server.

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Car Price Predictor

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Abstract— In this era, car production is rapidly growing, according to the survey around 10 lakh cars are sold per year. So we can say that the used car market is also increasing, people are looking for used cars instead of buying new ones. So we are going to create a web portal using flask as a framework which includes many concepts of linear regression, this web portal will help us to find out the approximate price of the used car by providing some details of the car.

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Real-Time Driver Drowsiness Detection using Computer Vision

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Abstract— The proposed system aims to lessen the number of accidents that occur due to drivers' drowsiness and fatigue, which will in turn increase transportation safety. This is becoming a common reason for accidents in recent times. Several faces and body gestures are considered such as signs of drowsiness and fatigue in drivers, including tiredness in eyes and yawning. These features are an indication that the driver's condition is improper. EAR (Eye Aspect Ratio) computes the ratio of distances between the horizontal and vertical eye landmarks which is required for detection of drowsiness. For the purpose of yawn detection, a YAWN value is calculated using the distance between the lower lip and the upper lip, and the distance will be compared against a threshold value. We have deployed an eSpeak module (text to speech synthesizer) which is used for giving appropriate voice alerts when the driver is feeling drowsy or is yawning. The proposed system is designed to decrease the rate of accidents and to contribute to the technology with the goal to prevent fatalities caused due to road accidents.

Keywords— Drowsiness, eSpeak module, Eye aspect ratio, Yawn Detection.

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E-Commerce web site

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Abstract— Now a days the lifetime of the people is different. People feel painful and period uncontrollable for going crowded markets. So, E-Shopping could even be a boon because it saves lot of it slow. Online shopping could even be a process whereby consumers directly buy goods, services etc. from a seller without an intermediary service over the web. Shoppers can visit web stores from the comfort of their house and shop as by sitting before the pc. Online stores are usually available 24 hours day by day and will consumers have internet access both at work and reception. So, it's extremely convenient for them to buy for online. one in every of the foremost enticing factors about online shopping., particularly during season is, it alleviates the requirement to attend in long lines or search from a store for a selected item. style of goods are available in online. So, the researcher wants to understand the preference of the consumers. So, fifty defendants were met and data were together concerning their predilection towards supermarket run online.

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A Research Paper on a Beauty Parlour Appointment Application using MERN Stack

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Abstract— People can book salon appointments at whatever time suits them for whichever service they want. Hence, with online salon booking, It would be a useful application for both the salon owners and customers. While customers can book appointments online, it would be easy for salon owners to manage and schedule appointments. Online salon booking would benefit the salon owners as well. The owner doesn't have to hire someone for this tedious task.

The objective of this application is to serve as a platform that allows individuals to make salon appointment booking hence saving their time from waiting in Queues at salons to get their desired salon services.

Keywords— MERN Stack , Appointment Booking .

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"Fuellophilia – On-Demand Fuel at Doorstep"

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Abstract— As the internet is evolving then working it more quite simply accessible after users around has shifted the squash towards on line based activities as shopping, renting, booking, etc. As a result among terms regarding on line shopping, today even are broad number regarding E-Commerce website or entire desires in conformity with attract extra buyers according to their application for this reason utilizes Fuellophilia – On-Demand Fuel at Doorstep system with unique requirements according to preserve their potential consumer then put theirs leads to opportunities. A user on-demand fuel transport rule be able encompass at least one fill car lowlife a gas pool related to an electronically readable gasoline float meter; and at least some server configured after receive consumer directions because top off concerning a gasoline tank, consisting of authentic and expected region of the gas tank, and a age bull's-eye because fuel refill, wherein the at least some server selects one of the fill automobiles and presents dwelling and period data to the enroll car because of fill up about the fuel tank; whereby the electronically readable gasoline glide meter provides gas delivery total data in

conformity with the at least some server, then a charge procurement is generated. Interfaces yet same techniques are additionally disclosed. In this paper "Fuellophilia – On-Demand Fuel at Doorstep" system that can be helpful in many ways:

- ❖   For the better user experience.
- ❖   Saves the time of user for finding their Petrol pump.
- ❖   For better user engagement.
- ❖   User save the time and cost

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TutoringBrains: An E-Learning Platform

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Abstract— The start of the pandemic, added changes in human life termed by new normal. In this many processes and modes changed, and one of them is education. Now education is also moved to online mode and students are getting adapted to it, also educational institutions are finding it very useful as it's increasing their reach to students even if the movement is restricted or students are far away from the institutions. For these organizations and institutions are using multiple different platforms in order to provide education in online mode and increase the cost of maintaining multiple platforms and also human interference to handle all these. So this paper describes the idea, process, and impact of TutoringBrains, a web application that is one solution for providing all features that are required by an institution for providing education in online mode with more automated control and AI-based Proctoring.

Keywords— Web Application, MERN, Artificial Intelligence, Proctoring, Assessment.

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Tweet Sentiment Analysis

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Abstract— In this project our goal is to make a tweet sentimental analysis within which user can search and analyse thousands of tweets in one go. For backend we are {going to} use python and Django web framework and for forepart we are going to use HTML, Css and bootstrap. it'll help to analyse any hashtag and corporations about their product feedback reviews. This project contains only the one user side. it's sort of a tweets search analyser. the look of this project is pretty simple in order that the user won't find any difficulties while performing on it.

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GEME: An Online MEME Generator

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Abstract— We introduce a novel meme generation system, which given any image can produce a humorous and relevant caption. Furthermore, the system can be conditioned on not only an image but also a user-defined label relating to the meme template, giving a handle to the user on meme content. The system uses a pre trained Inception-v3 network to return an image embedding which is passed to an attention-based deep-layer LSTM model producing the caption - inspired by the widely recognized Show and Tell Model. We implement a modified beam search to encourage diversity in the captions. We evaluate the quality of our model using perplexity and human assessment on both the quality of memes generated and whether they can be differentiated from real ones. Our model produces original memes that cannot on the whole be differentiated from real ones. https://github.com/alpv95/Meme Project

Keywords— System Architecture, Client/Server Model, E-Commerce, Server.

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ATHENA – The Project Management System

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Abstract— A Project Management System is a PaaS combination of methodologies and technologies that assist you with the planning, organizing, and scheduling of everything that contributes to the success of a project. The prime function of a Project Management System is to assist managers with their everyday project management responsibilities. Summarizing the modern Project Management System, managing a project involves many different aspects and many things that have to be tracked and followed up upon. You have to determine project tasks, create a schedule, assign resources, and identify and track issues and risks. That's just the tip of the iceberg; as a project manager, you are responsible for the overall success of a project. you can consider it as an assembly of tools that help you to accomplish various activities within project management. Some of the most common activities

that a project management system can assist you with are as follows:

• Project scheduling and task management

• Risk management

• Developing team coordination and collaboration

• Project report creation

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Gullak: An Online Freelancing Platform

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Abstract— This survey was conducted in a targeted manner Providing a platform that can be registered and accessed according to skills and talents Numerous employment opportunities. Therefore, freelancers with different skills and expertise can be involved and interact with. There are various options. A place where you can work hand in hand with different people for the same thing Join the industry or work with other freelancers to complete various assigned tasks. To reach high levels Developed using scalability and platform performance HTML, CSS, JavaScript, and NodeJS server-side.

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The Dalaal Street

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Abstract— Property management systems also known as PMS are programs used on a computer which help the hotel staff manage guest reservations, registrations, charges, and other amenities. The PMS system may interface with multiple departments which may include the central reservation system, housekeeping, engineering, food and beverage, the front office, the back office and point of sale systems. In this regard, the PMS acts as the central hub of information. Property management systems are also used to manage and account for personal property and assets. There are many different types of property management systems available, so each hotel may not use the same system as another. Property management systems are very important to the function of a hotel. There are many ways in which the PMS provide hospitality. Some of these include making check-in easier, being able to provide a guest a clean room, and the ease of guest accounting.

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Organizational Social Media

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Abstract— Android application have become an important part of our day-to-day life. This paper describes the android application "Organizational Social Media". Our Social Media help Organization to connect both formally and informally through people and build networks on larger scales. The application build in MERN (MongoDB, Express JS , React JS, Node JS) Stack.

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Online Voting System

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Abstract— Our paper deals with online voting system that facilitates user(voter), candidate and administrator (who will be in charge and will verify all the user and information) to participate in online voting. our online voting system is highly secured, and it has a simple and interactive user interface. The proposed online portal is secured and have unique security feature such as unique id generation that adds another layer of security (except login id and password) and gives admin the ability to verify the user information and to decide whether he is eligible to vote or not. It also creates and manages voting and an election detail as all the users must login by user name and password and click on candidates to register vote. Our system is also equipped with a chat bot that works as a support or guide to the voters, this helps the users in the voting process. It is made in PHP and MySQL.

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An Environmental Intelligence ML and DL based WebProject

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Abstract— Agriculture is basically a means of survival. Machine learning (ML) and deep learning (DL) have the potential to provide a real-world operational solution to yield issues. Given the current manual counting system, climate-friendly alternatives are needed. The results acquired through pest control and satellite images are not entirely reliable. The main focus of this research is on using machine learning approaches to predict yields. Here, the classifier model comprises logistic regression, naive Bayes, and random forest, with random forest delivering the highest accuracy. Farmers can use machine learning algorithms to predict crop yield by taking into account factors such as temperature, rainfall, and area. This bridges the gap between technology and the agricultural sector.

Keywords—Crop_yield_prediction; logistic_regression; naïve bayes; random forest; weather_api

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Helping Hands

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Abstract— We will develop a platform which will work as a bridge between the two people i.e. the donor and receiver. The donor who will donate the money and the receiver who are in need of money. This project is basically as a frontend and backend project work as bridge between a donor and a receiver or applicant. Currently, in Covid-19 pandemic situation, the entire country is under a social and economic shutdown, this has been tough for most but could be a very trying time for those who survive on daily-wages, the homeless and the under-served communities. We do not have reliable data to identify those whose livelihood would have been seriously jeopardized because of the lockdown. They include landless agricultural labourers, petty traders, tailors, barbers, rickshaw/auto drivers, construction workers, and many others, amongst them most vulnerable are migrant workers.

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