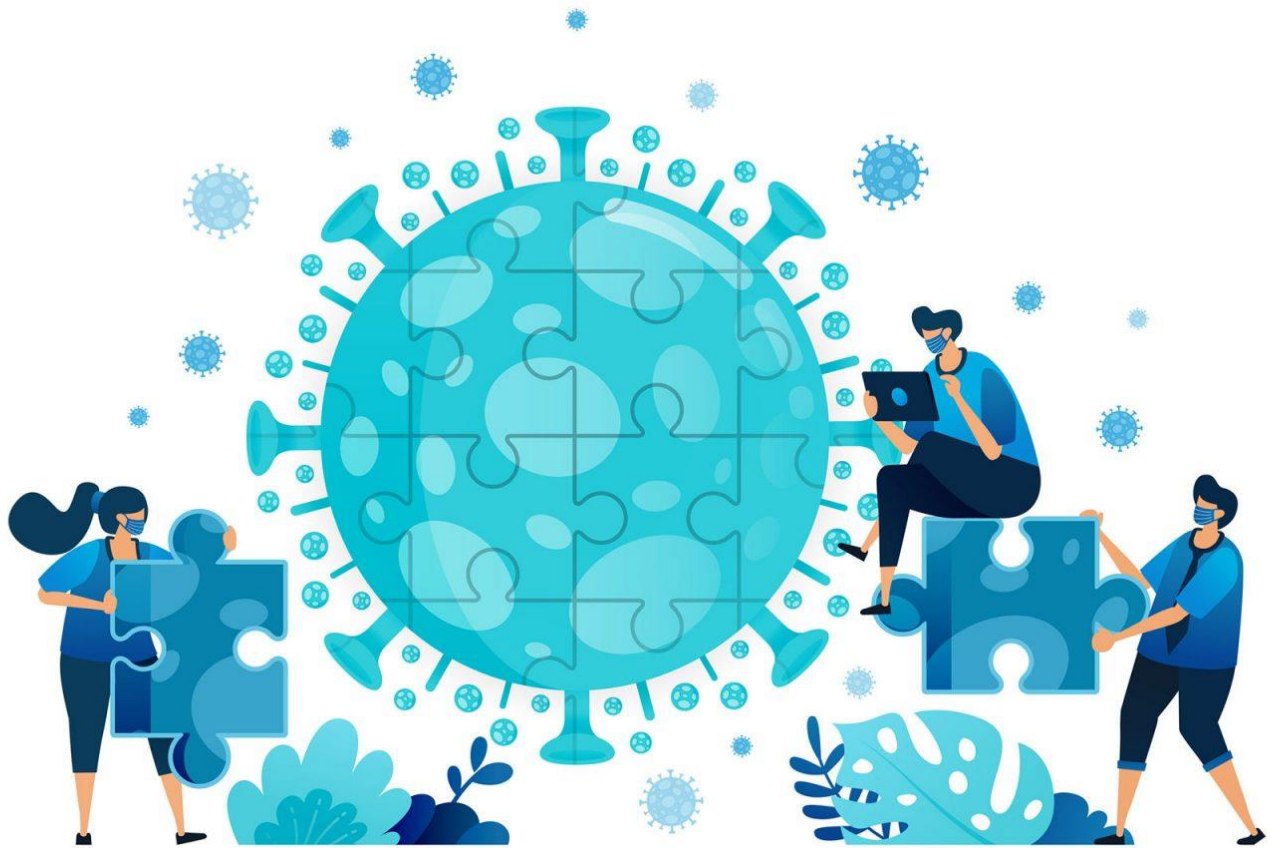

SUMMER 2021

Program : Computer Engineering

NEWSLETTER



SHANTI EDUCATION SOCIETY'S

A. G. PATIL POLYTECHNIC

INSTITUTE, SOLAPUR



It gives me an immense pleasure to present this issue of newsletter of Computer Engineering Department. This newsletter is a snapshot of various activities and advancements made in the computer department. I am feeling proud to say that our department has got an “**NBA Accreditation**” in A.Y. 2017-18 and got “**Excellent**” remark from EAMC MSBTE, Mumbai.

As per our vision our team strives to persistently improve educational environment in our department. We are always engaged in the activities for overall development of our students with various aspects like technical education, self-motivation, ethics and personality. As the field of computer is ever changing, we arrange various additional workshops, seminars and expert lectures for our students and motivate them to pursue advanced graduate studies so that they can cope-up with challenging industrial context.

I hope that this newsletter will be a platform for showcasing the achievements and efforts of the faculty and students of computer department. I look forward to many more upgrading issues of the newsletter in coming future.

My best wishes always!

Mr. Patil T. L.
Head of the Department

Vision

To create skilled and technically competent diploma computer professionals to meet the need of industry, business & society.

Mission

To cope up with rapid changing technology in the field of computer Engineering.

To build team work, innovation & professionalism among students.

To develop competency for meeting needs of business & society.

Program Educational Objectives (PEOs)

To practice as computing professionals conducting research, designing, developing and maintaining projects in various technical areas.

To apply the ethical and social aspects of modern computing technology to fulfill the needs of society.

to work effectively as a team member and or leader in an ever changing professional challenges.

In This Issue

Academic Performance

Co and Extra Curricular Activities

Mou, Expert lectures

Faculty Achievements & other

Best Projects of the Year

College Intake Information

18/2/2 A, Vijapur Road, Opp. SRP Camp,

Solapur Tel: 0217-6450740, 2341899

Web: www.agppi.com

Academic Results High Flyers

Third year

Name of Student	Percentage	Rank
Ms.Mane Shraddha Vaibhav	93.31	First
Mr.Bhagwatkar Palash Lalit	93.26	Second
Mr.Humnabadkar Vrushank Prasanna	92.63	Third

Second Year

Name of Student	Percentage	Rank
Mr.Adhyapak Soham	95.07	First
Ms.Patil Vaishnavi	94.27	Second
Ms.Shaikh Shaarika	93.20	Third

First Year

Name of Student	Percentage	Rank
Ms.Kshirsagar Shivani	96.86	First
Ms.Parabkar Vaishnavi	93.71	Second
Ms. Kshirsagar Anukruti	92.29	Third

Co curricular Activities

Ms Shraddha Mane from TY-CO got selected for article in MSBTE Newsletter

Ms Shraddha Mane from TY-CO secured 1st Prize at AGTechFest 2021 'Paper Presentation and Project Idea' National Level technical event at AGPPI Solapur

Ms Shraddha Mane secured 1st Prize in Annum 2k20 'Paper Presentation' at AGPPI Solapur

Ms Shraddha Mane is Winner of Environment 2.0 Essay Competition held by Maharashtra Govt

Ms Shraddha Mane has Won GUINNESS WORLD RECORD CERTIFICATE for "Most users to take an online computer programming lesson in 24 hours" organized by AICTE

Ms Shraddha Mane secured 3rd Prize in "Project Competition" at Anantrao Pawar College of Engineering Pune

Ms Shraddha Mane is Winner in AGTechFest 2k20 "Paper Presentation" National Level Technical event at AGPPI Solapur

Ms Shraddha Mane has won the Award for Active Student of Training Program for SAP

Ms Karishma Chavan from TY-CO is winner in AGTechFest 2k20 "Blind -C" at AGPPI Solapur

Mr Rohit Indi from TY-CO secured 1st Prize in Annum 2k21 "Paper Presentation" at AGPPI Solapur

Mr Rohit Indi, Raj Mhamane and Vrushank Humnabadkar from TY-CO won 3rd Prize in "Project Competition" at Anantrao Pawar College of Engineering Pune

Ms Aditi Jujgar from SY-CO secured 3rd Prize in "Online Aptitude Test" conducted by AGPPI Solapur

Ms Appoorva Shrinal from SY-CO secured 3rd Prize in "Yoga Competition" conducted by AGPPI Solapur

Ms Sakshi Thamke from SY-CO secured 2nd Prize in "Yoga Competition" conducted by AGPPI Solapur

A.G. Patil Polytechnic Institute, Solapur

Third Year Toppers

- Ms. Shraddha Mane: 93.31%
- Mr. Bhagwatkar Palash Lalit: 93.26%
- Mr. Humnabadkar Vrushank Prasanna: 92.63%

Second Year Toppers

- Mr. Adhyapak Soham: 95.07%
- Ms. Patil Vaishnavi: 94.27%
- Ms. Shaikh Shaarika: 93.20%

First Year Toppers

- Ms. Kshirsagar Shivani: 96.86%
- Ms. Parabkar Vaishnavi: 93.71%
- Ms. Kshirsagar Anukruti: 92.29%



Events Organized :

Arranged "SAP Training" from 20-08-2021 to 31-08-2021

Conducted Entrepreneurship Awareness Camp "EAC" for TY students from 05-08-2021 to 07-08-2021

Arranged "ANNUM-2K21" National Level Paper Presentation Event on 05-06-2021

Arranged "Marathi Bhasha Sanwardhan Din" on 25-01-2022

Arranged "Marathi Bhasha Gaurav Din" on 27-02-2022



Memorandum of Understanding (MoU)

During this academic year department has made three Memorandum of Understanding (MoU) with,

- Devagya IT Services, Solapur.
- Dacway Infotech, Solapur

This will help our students to improve their practical knowledge by easily visiting these industries.

Master Talks (Expert Lectures)

1. “Entrepreneurship Development” by Mr.Prikshit Gandhi for third year students.
2. “Soft Skill Development” by Mrs.Ambika Mittapally for second and Third year Students.
3. “Project Design and Management” by Bahubali Kandle for second and Third year Students.



Other Achievements

1. Mr. Patil T.L. worked as “Convener” for Annum2k20.
2. Mr. Kulkarni M.M. worked as “Coordinator” for Technical Paper Presentation-Annum 2k20.

Faculty Achievements

Workshops/Training Attended

1. Mr. Patil T.L., Ms. Nanaware Y.B, Mrs. Patil Y.P attended 6 days STTP on “Teaching Learning Pedagogies”.
2. Mr. Patil T.L., Mr. Kulkarni M.M, Mrs. Patil Y.P attended 3 days FDP on “Recent Trends in Computer Science”.
3. Mr. Patil T.L., Ms. Nanaware Y.B, Mr. Kulkarni M.M attended 6 days FDP on “RTCEIT-2021”.
4. Ms. Nanaware Y.B, Mr. Kulkarni M.M attended 6 days Induction Program on IOT”.
5. Mr. Patil T.L., Ms. Nanaware Y.B attended National Conference on “Engg Systems Design & Optimization”.
6. Mr. Patil T.L. attended 7 days Induction Program on “IOT”.
7. Ms. Nanaware Y.B, Mr. Kulkarni M.M attended 3 days FDP on Python Programming”.
8. Ms. Nanaware Y.B, Mrs. Patil Y.P attended 5 days FDP on “Data Science for Engineering Problem Solving”.
9. Ms. Nanaware Y.B attended 11 days FDP on “Trends and Challenges in Machine Learning & Deep Learning”.
10. Ms. Shinde S.G attended Induction /Refresher Program





A Decision Tree based Tourism Recommendation System

Project Guide: Mr.Patil T.L

Students: Rohit Raju Indi , Vrushank Prasanna Humnabadkar , Raj Prashant Mhamane , Venkatesh Shrishail Kadbe

ABSTRACT: In recent times, the combination of Tourism and Information and Communication Technologies, has led to rapid changes in tourists' interests. An increasing competitiveness in the global tourism market has encouraged tourism operators to invest more in promotion, resources, knowledge and quality, in order to achieve satisfactory growth. Tourists have a hard time choosing destinations from the information available on the Internet. Studies of previous Travel Recommendation Systems have attempted to solve this problem, but some technical aspects involving system accuracy and practical aspects such as usability, locality and satisfaction have not been fully developed to their potential. To address this issue, it requires a full understanding of the tourists' decision making and breaking it down to a simpler and more local taste. This paper puts forth a Travel Recommendation System that recommends destinations to tourists in an unfamiliar city. It considers both technical and practical aspects using real-world data records. The results show that this Travel Recommendation System provides personalized and localized recommendation on tourist destinations that satisfy tourist desires.

KEYWORDS: Travel Recommendation System, Online Tourism,

I. INTRODUCTION

Tourism, the act and process of spending time away from home in pursuit of recreation, relaxation, and pleasure, while making use of the commercial provision of services. Tourism has great importance in the economy and cultural development of India. It promotes national integration. It makes one aware of the beautiful and rich cultural heritage of the country. It promotes inter-regional relationship. Tourism encourages cultural pursuits and provides support to local handicrafts, helping in the development of international understanding. Tourism is considered to be an invincible industry. India's natural beauty, diversity and glorious past attracts innumerable visitors to India every year. India has been ranked fourth among the best holiday destinations of the world. Over 2.8 million foreign tourists visit India every year. Foreign tourists visit India for cultural tourism, ecotourism, adventure tourism, business tourism, heritage tourism. Tourism in India has grown exponentially over the last few years. Tourism also plays a major role in employment generation. More than 15 million people are directly engaged in the tourism industry and many more are indirectly connected to it. There is a bright future of the upcoming tourism industry in India.

CONCLUSION

Online Tourism has great potential left, yet to be utilized. This project aims to implement a proper Decision Tree based Tourism Recommendation System. The system provides improved experience to tourist users with an all-in-one info package. The user interface is simple and quick. We would like to indicate the adaptability/ flexibility of this project to different needs in the future. We proposed a base to build on the needs of Tourism Recommendation System.



CREDIT CARD FRAUD DETECTION USING HIDDEN MARKOV MODEL

Project Guide : Mr.Kulkarni M.M

ABSTRACT

Due to rapid advancement in electronic commerce technology, the use of credit cards has dramatically increased. The credit card becomes the most popular mode of payment for both online as well as a regular purchase, The cases of fraud through credit cards are associated with it are also rising day by day. This problem needed a solution and this developed system becomes a perfect solution for it. This model uses the sequence of operations in credit card transaction processing using a Hidden Markov model (HMM) and it shows that how it can be used for the detection of frauds. An HMM is something that is initially trained with the normal behavior of a cardholder or card owner. If an incoming credit card transaction is not accepted by the trained HMM with sufficiently high probability, it is considered to be fraudulent by which the card gets blocked and no more usage of the card is made allowed further. At the same time, it is tried to ensure that genuine transactions are carried out without getting rejected and they are continued successfully.

INTRODUCTION

1. System References

Now a days, the usage of credit cards and net banking for online payments has dramatically increased. The most popular mode of online as well as regular purchase payments is through credit card and security of such transactions is also a major issue as frauds are increasing rapidly. In the existing scenario, fraud is detected after the transaction is done and it makes more difficult to find out fraudulent loses barred by issuing authority. In this paper, we observe the behaviour of credit card transactions using a Hidden Markov Model (HMM) and show how it detects frauds. An HMM is initially trained with the normal behaviour of transaction. If the present credit card transaction is not accepted by the trained HMM with enough high probability, then it declares as a fraudulent transaction. At the same time, we try to ensure that no genuine transactions are rejected.

CONCLUSION

Here, we model the sequence of operations in credit card transaction processing using a Hidden Markov Model (HMM) and show how it can be used for the detection of frauds. An HMM is initially trained with the normal behavior of a cardholders. If an incoming credit card transaction is not accepted by the trained HMM with sufficiently high probability, it is considered to be fraudulent. At the same time, we try to ensure that genuine transactions are not rejected. We present detailed experimental results to show the effectiveness of our approach and compare it with other techniques available in the literature.



Shanti Education Society's

A. G. PATIL POLYTECHNIC INSTITUTE, SOLAPUR

18/2/2 A, Pratap Nagar, Vijapur Road, Opp. SRP Camp, Solapur - 413008. (MAHARASHTRA)
Tel: 0217 - 2341899, 6450740, Email: contact@agppi.edu.in, Web: www.agppi.edu.in

“ NBA ACCREDITED PROGRAMS ”

Approved by : All India Council for Technical Education (AICTE), New Delhi

Recognized by : Government of Maharashtra Approved

by : Directorate of Technical Education (DTE), Mumbai

Affiliated to : Maharashtra State Board of Technical Education (MSBTE), Mumbai

An 'Excellent' Grade awarded by MSBTE, Mumbai

COURSES OFFERED IN DIPLOMA ENGINEERING

Discipline	Intake Capacity	Duration
Mechanical Engineering	60	3 years
Electronics and Telecom. Engineering	60	3 years
Civil Engineering	60	3 years
Computer Engineering	60	3 years
Electrical Engineering*	60	3 years
Total Intake	300	

