

VASAVI COLLEGE OF ENGINEERING (Autonomous)
IBRAHIMBAGH, HYDERABAD – 500031
Department of Computer Science & Engineering

BEST PROJECTS

Name of the Student(s)	Project Title	Areas of Specialization	Project Supervisor (s)	Contribution/ Achievements/ Research Output
2021-22				
1602-18-733-097 SAI SUMAN CHITTURI 1602-18-733-116 PRANEETH KAPILA	Emotion aware Music Recommendation System	Data Mining	Dr. T. Adilakshmi	This project is to recommend music to the users based on their emotion. First phase of the project deals with identifying human emotion by using face recognition techniques. Second phase clusters the music based on the similarity and genre. The third phase also known as recommendation phase combines the first two phases and recommends te songs suitable to the emotion
1602-18-733-042 V SAI MATHUR 1602-18-733-026 CH. KRISHNA VAMSHI ANIRUDH	Change Impact Analysis Tool (with static & dynamic analysis)	Software Engineering	T Jalaja	This project proposes a Change Impact Analysis Tool (CIAT) that helps us to identify the impacted files, methods, fields, and elements that are affected because of the proposed changes. The CIAT takes a change ticket and project repositoryGitHub link as input. Then the tool does static analysis on the given repository and forms a data structure. This data structure contains all the details of the impacted elements. From the data structure, we display the information of affected files, methods, fields, and impacted line numbers in the files.

2020-21				
1602-17-733-061 CHEVELLA ABHILASH 1602-17-733-321 KARNATI PRAVEEN	Object Tracking System using Deepsort	Internet of Things	B Syamala	This Project is based on tracking of objects / people in crowd surveillance or any recorded videos using YOLOV4 and deepSORT. YOLOv4 is used to detect the objects and deepSORT is used to keep track of the movement of the detected objects. The movement of the object is tracked based on its trajectory even if the sensory input is lost. Subsequent frames and features of the objects are considered in order to keep track of the objects.
1602-17-733-020 NITISHA KUTHATI 1602-17-733-009 HEMA SWATHI	A prediction approach for stock market volatility based on time series data	Data Mining	Dr. M.A. Wajeed	This project introduces the concept of time series analysis and forecasting in the perspective of the Indian economy. It tries to build an efficient ARIMA model to predict the Indian stock market volatility so as to safeguard the interest of the investors.
2019-20				
1602-16-733-306 KOTTA ABHISHEK REDDY 1602-16-733-307 JANNU UDAYKIRAN 1602-16-733-323 J.AJAY KUMAR (CSE-B)	Intelligent Traffic Light Control System	Image Processing	C. Gireesh	This project is useful to calculate traffic density and signal timing. Traffic density is calculated using the videos of CCTV and provide automatic signal timing. This reduces traffic, waiting time and fuel consumption. The execution time for this approach is relatively low, and it can be used in real-time applications.
1602-16-733-062 ABDUL KHALIQ 1602-16-733-095 Y. SAI GAURAV 1602-16-733-090 S. PRAVEEN KUMAR	Fake News Detection	Data Mining	Dr. Nagaratna P. Hegde	This project classifies the news that we give is a fake news or a real news using Latent Dirichlet's Allocation (LDA) Algorithm & K-Means Clustering Algorithm on a dataset with over 1000 news articles and has achieved a success rate of ~80% accuracy in determining the fake news

2018-19

1602-15-733-083 OMAR HASAN MOHIUDDIN 1602-15-733-081 MOHD ABID UZAIR	Self – Learning AI for Duel of Wits Board Game	Machine Learning	S.Komal Kaur	Applied artificial Intelligence for board game techniques like nega max and alpha beta. The self learning approach using proximal policy optimization with a neural network as a function approximator.
1602-15-733-090 ANEGAMA RASHMIKA 1602-15-733-107 SREYA KUNEETY	Music Recommendation System with Item Based Collaborative Filtering	Data Mining	Dr. T. Adilakshmi	Developed an application for Music recommendation system by considering item correlations. Experimental results are obtained on a benchmark data set Last.fm

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2017-18				
1602-14-733-003 T ADITYA 1602-14-733-004 AISHWARYA REDDY	Music Recommendation System with User-based Technique	Data Mining	Dr. T. Adilakshmi	Applied data mining techniques on user profile data to recommend music to the users. The proposed approaches are evaluated on benchmark dataset last.fm
1602-14-733-309 B SAI KIRAN 1602-14-733-015 G GOVIND	Vehicle Detection Surveillance in Parking Areas	Image Processing	V Punna Rao	Developed algorithms to detect and automatically allocate the free slot available to the user. It also detects the suspicious objects.

2016-17				
1602-13-733-014 S.HIMAJA 1602-13-733-024 MEENAKSHI.N	Face Recognition System for Attendance Monitoring	Image Processing	M. S. V. Sashi Kumar	Developed an application that will capture an image of the classroom and automatically mark the attendance by using image processing techniques.
1602-13-733-303 CH.SWETHA 1602-13-733-305 SUGATHRI.N	Driver Fatigue Monitoring System	Image Processing	C Gireesh	Developed algorithms with image processing techniques to detect fatigue of a driver and alert him based on frequency of eye closure.
2015-16				
1602-12-733-017 MANISHA TADIKONDA 1602-12-733-060 R VENKATA ADITHYA	Smart Lighting Application	Internet of Things	M. S. V. Sashi Kumar	Computed an RGB matrix and developed an Android app to change the color of a LED Bulb using Bluetooth
1602-12-733-071 M.GYANENDRA NATH 1602-12-733-091 REZWANA BEGUM	Music Recommendation System with Matrix Factorization and Discretization	Data Mining	M. Sunitha Reddy	The project addresses sparsity problem in music recommendation system by using matrix factorization technique SVD. It also provides music recommendations by using unsupervised discretization techniques. The proposed approaches are evaluated on benchmark dataset last.fm

2014-15				
1602-11-733-032 GAVULLA RACHANA 1602-11-733-009 G.HEMKUMAR	A Community Based Matrix Factorization Technique with Trust propagation for Recommendation System	Data Mining	M.Sunitha Reddy	Community based Matrix factorization technique used to design a trust aware music recommendation system
1602-11-733-038 SAI KIRAN REDDY GANGIDI 1602-11-733-039 SAI RAM VINNAKOTA	Traffic Violation Detection System	Image Processing	V. Punna Rao	Algorithms and techniques are developed & implemented for Vehicle movement detection , Lanes identification, Lane cross identification, Wrong direction and Signal jumping from a video
2013-14				
1602-10-733-010 HESHMA DEGA 1602-10-733-030 PRATYUSHA SIMHARAJU	Track-I: Mobile Tracking Device	Mobile Computing	Dr.T. Adilakshmi	Developed a system for lost Mobile tracking
1602-10-733-092 PRASHANTH A LALIT 1602-10-733-317 BOJJAM SURESH	Power Solutions	Image Processing	S. Vinay Kumar	Foreground detection and integrating with the lighting system for efficient power utilization
2012-13				
1602-09-733-013 GOURI PRASANNA G 1602-09-733-054 SUSMITHA ORUGANTI	A User Interactive Approach to Correct Human Acuity Error	Image Processing	Dr. T. Adilakshmi	Tablet based eye sight correction application developed to correct the human Acuity error in the measurement

1602-09-733-001 ABHINAV KUMAR C 1602-09-733-033 RAVI.C 1602-09-733-302 GULAM JILANI	BlueNet - Internet Through Bluetooth	Web Application	S. Vinay Kumar	Developed an Android application for accessing Internet by creating portable Bluetooth hotspot
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