

**IT Department
Project Details:**

Session	Project Title	Principal Investor/Mentor	Abstract	Research Thrust Area	
				Department	Thrust Area
Session 2016-17	Implementation of file tracking system in Government portal	Dr. A. D. Raut	It is a web based application to monitor the pending receipts and files and assist in their easy tracking.it is an integrated package which has features right from diarizing of receipts /file, updating its status ,opening of new file, tracking the momentum of file ,dispatch of letters and finally records the management	I.T.	Data Tracking and Security
	Development of Organizational Website	Prof. M. R. Shahade	Web development is a broad term for the work involved in developing a web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing the simplest static single page of plain text to the most comple	I.T.	Data Mining
	Controlling PC Application through Mobile phone	Prof. S. L. Thombre	There are various limited options available to user when they are not connected to the internet to access their workstation .most of the options available are tedious, expensive and secure,hence there was a need for a easy to use secure application that will be able to users while being offline from their cellPhones and access their data from any location ofbthe world	I.T.	Web Security
	Insider thread recognition and avoidance by managing the clipboard for system security	Prof. O. V. Chandure	Web development is a broad term for the work involved in developing a web site for the Internet (World Wide Web) or an intranet (a private network). Web development can range from developing the simplest static single page of plain text to the most complex web-based internet applications, electronic businesses, and social network services.	I.T.	System Security

	Appartment Management System	Prof. K. G. Purohit	The main aim of the project is to provide utility to maintain day to day operations of apartments. Apartment Management Portal is designed with the help of java programming language (JSP) using My SQL database. Main objective of this project is to design simple software for Apartment Management team to maintain different type of works like agreement details, billing details, Client requirement details, Apartment management pricing, facilities etc.	I.T.	Data Processing
	Bill of Material	Prof. J. S. Wankhade	Bill of materials is one document that plays an important role in a project, especially in the business. This document reflects the expertise of a service provider company to select an appropriate solution in order to enhance and maintain their operation excellence.	I.T.	Data Mining
	Moodle(Modular object oriented dynamic learning environment)	Prof. A. D. Patil	This describes the use of Moodle (open source course management software) for development of online free courses to students, these courses are designed for all types of students	I.T.	Data mining
Session 2015-16	An Efficient Certificate Less Encryption For Secure Data Sharing In Public Clouds	Dr. A. D. Raut	Modern trends have set grow to the status and achievement of cloud computing. Cloud computing tool gives facility of data storage and access for cloud users, but when outsourcing the data to a third party causes safety issue of cloud data so data is protected by restricting the data. Proposed idea is encryption of data to defend and for safe delivery of data in public cloud. Encryption of data is done by Blowfish algorithm of symmetric key technique to protect data from external attacks	I.T.	Cloud computing
	ONLINE SOFTWARE MANAGEMENT TOOL FOR WEB BASED APPLICATIONS	Prof. M. R. Shahade	Online software management tool for web based application (OSMT) is a dynamic web based management tool which is design to provide management services to the company especially software company. It can also provide services to the shopping mall, hospital, medical shop even to the general stores	I.T.	Data Processing

DBA – Doing It SMARTly Specific, Measurable, Accurate, Reliable, and Time-bound	Prof. S. L. Thombre	Getting skilled and expert DBA has been always challenging for the organizations. On the other-hand, it has been equally difficult for the IT professionals to learn and get all the DBA skills under his belt. Most of the DBA learn the required skills on job or the companies have to provide them through training. It costs lot of money and time	I.T.	Data mining
A secure web based student performance and management system	Prof. O. V. Chandure	It provides a simple interface maintainance of student information and manages all the student activity in more sofisticated manner	I.T.	Data Mining
E-voting System	Prof. K. G. Purohit	It introduces the ADDER system,an internet based ,free and open source electronic voting system .It is fully functional e-voting plateform an denjoys a security properties.	I.T.	End User Security
E-learning module in form of virtual classroom	Prof. J. S. Wankhade	E-learning is the use of the computer and internet technology to deliver a broad array of solution to enable learning and improve performance. This project is about use of growing technology "virtual class" and " E-Learning"	I.T.	Web Application
Secure Web Based Admission Process for Administrative System	Prof. A. D. Patil	Aim of this project is to help the management system particularly to store, maintain, update, sort, & track the data of engineering aspirant students. Student admission system supports the admission and registration process, the maintenance of student personal data such as mobile number, category etc., academic such as roll number, marks and related data.	I.T.	Data mining and security
ONLINE BIDDING MANAGEMENT SYSTEM	Prof. Y. V. Dhepe	Auction over the internet have gained popularity in the recent past .Compared to projections to various forms of electronic commerce .Online auction have been among the most successful medium. Online auctions are growing in popularity as way of setting prices and distributing the information required for complex transactions and these auctions are	I.T.	E-Commerce

		suitable for high volume, low free business transactions.		
	Online crime reporting	Prof. P. V. Shirbhate	This developan online crime report and managing system which is eassilyaccessible to the public, The police department and the administrative department.	I.T. End User Security
	Web cum android life saving App	Prof. S. A. Zunke	This focus on blood donation management system which is a web application with supporting mobile application aimed to serve as a communication tool between patients and blood donor.	I.T. Web Application
Session 2014-15	Grievance portal for college/university	Dr. A. D. Raut	It is a web based portal for college/ university .it is graet help to students ,teachers and administrative departments.	I.T. Data Management
	Android Based Emergency Alert System	Prof. M. R. Shahade	Android is a java based operating system which runs on the Linux 2.6 kernel. Android applications are developed using Java and can be ported to new platform easily thereby fostering huge number of useful mobile applications. This project describes about a Safety. This application provides location based service to the users Using these services it is possible for the users to find and locate other persons	I.T. Data Tracking
	Policy and Technology of Web Tracking on Third Party	Prof. S. L. Thombre	In the early days of the web, content was designed and hosted by a single person, group or organization. The web has evolved to facilitate development and delivery of web pages composed of content from multiple websites. HTML, JavaScript and CSS impose no restrictions on a webpage including elements from, or even delegating complete control to, a wholly unrelated website which leads to host of wellknow and well studied security vulnerabilites.	I.T. Web data Tracking

Mining Educational Data to Analyze Student's Performance Using CART	Prof. S. L. Thombre	Growth of higher education is increasing rapidly now days. Each institution aims at producing higher and exemplary education rates by employing various teaching and grooming methods. But still there are cases of unemployment that exists among the medium and low risk students. In our project we discuss the use of data mining technique to improve the efficiency of academic performance in the educational institutions	I.T.	Data Mining
An Interactive Web Based Technique for Acquiring High Quality for Training & Placement System	Prof. O. V. Chandure	In this project, we are concentrating on the enhancement of the Training & Placement system & obtaining the high quality through web based technique. Training and placement system is the vital part of any educational institute in which most of the work is being done manually .	I.T.	Data Mining
Online shopping system	Prof. P. V. Shirbhate	This project provides the features for buying and selling the goods over internet using E-Commerce Standards	I.T.	E-Commerce
An Android-Based-Mobile Application For Sharing The College/Campus Activities	Prof. A. P. Bakshi	The Android Based Mobile Campus is developed to provide students with information regarding library due dates, any placement activities, general notices, attendance and marks details. This information should be provided to students in a cost effective way. So to achieve the same, we have developed this application, wherein students can access this information using their Android enabled mobiles.	I.T.	Data Mining
A System to filter unwanted message from OSN user wall	Prof. A. P. Bakshi	This project provide very little support to prevent unwanted messages on user wall.	I.T.	Cyber Security
Multiple Ant Colonies Optimization for Load Balancing in Distributed Systems	Prof. S. T. Dhagadi	Ant Colony Optimization (ACO) can be used to dynamically route traffic efficiently. An efficient routing algorithm will minimise the number of nodes that a call will need to connect to in order to be completed; thus minimising network load and increasing reliability	I.T.	MANET

	PREDICTION OF MISSING ITEMS IN ONLINE SHOPPING USING DATA MINING	Prof. S. T. Dhagadi	project implements a technique that uses the partial information about the contents of a shopping cart for the prediction of what else the customer is likely to buy, for example, If bread, butter, and milk often appear in the same item, then the presence of butter and milk in a shopping cart suggests that the customer may also buy bread.	I.T.	Data Mining
	Online Taxation using E-governance by Third party Auditor	Prof. J. S. Wankhade	This system can be used as a platform for paying online tax. It is available for all citizens equally in urban and rural areas.	I.T.	Web Application
	Energy saving system for android smartphone application development	Prof. R. M. Shende	This project focuses on the analysis of energy saving and the result can give us the technique for performance enhancing coding practice.	I.T.	Data Mining
	Continuous Inventory Replenishment System	Prof. C. S. Suratkar	Project describes the development and implementation of a system to solve this problem. The system expected to save 4% of distribution cost in its first year of implementation and is expected to yield 12% - 15% as the firm expands its usage	I.T.	Web Application
Session 2013-14	Alcohol detection with vehicle controlling	Dr. A. D. Raut	Alcohol detection in car is designed for the safety of people sitting inside the car. This project should be fitted inside the vehicle. This software sense the amount of alcohol consumed by the person and it will display the same by the visual indication which are LED's	I.T.	User Security
	Graphical password system for online application	Prof. M. R. Shahade	In this project ,it is an intergration of the password scheme in a graphical password scheme includes usability, security evaluations and implementation consideration.	I.T.	System Security
	Student attendance tracking system in android	Prof. S. L. Thombre	This helps the organization in generating student month end payroll, and other activities. In this project an attempt has been made to record the attendance through the mobile devices by using android application	I.T.	Data Tracking

Online Leave Application	Prof. O. V. Chandure	The Online Leave Application is an Intranet based application that can be accessed throughout the organization or a specified group/Dept. This system can be used to automate the workflow of leave applications and their approvals. The periodic crediting of leave is also automated	I.T.	Data Mining
Face Image Based Drag and Drop CAPTCHA	Prof. A. P. Bakshi	CAPTCHAs are a standard defense on industrial websites against undesirable or malicious Internet bot programs, but widely deployed schemes can be broken with simple but novel attacks. With data theft and computer breakings becoming increasingly common, there is a great need for secondary authentication to reduce automated/machine attacks while posing a minimal hindrance to legitimate users.	I.T.	Image Processing
Active Packet Loss Measurement	Prof. S. T. Dhagadi	A Network packet is a formatted unit of data carried by a packet-switched network [1]. Computer communications links that do not support packets, such as traditional point-to-point telecommunications links, simply transmit data as a bit stream. Packets are the fundamental unit of information transport in all modern computer networks, and increasingly in other communications networks as well.	I.T.	Data Security
EMOTION DETECTION IN CONTINUOUS VIDEO	Prof. S. T. Dhagadi	Emotion plays an important role in human life. At different movements of time human faces reflects differently with different intensity, which reflects their mood. Facial features and expressions are critical to everyday communication.	I.T.	Gesture Recognition
Student Result Analysis System	Prof. A.R. Manakshe	It is a software which is helpful for students as well as college authorities. In current system all activities done manually, it is very time consuming and costly, to avoid this software plays an important role.	I.T.	Data Mining
Teacher guardian system	Prof. A.R. Manakshe	It is a web based, self service environment for prospective students	I.T.	Data Mining

			and employee,an administrative trascation processing environment for university staff to conduct day to day business.		
	REMOTE PC CONTROL AND MONITORING	Prof. C. S. Suratkar	Remote PC Control and Monitoring, allows users to access devices connected to their systems from remote locations. The process starts when the different users, who need the facility, get registered through our website and download the application program for the said facility	I.T.	Data Security
Session 2012-13	GSM mobile phone based LED scrolling message Display	Dr. R. M. Tugnayat	This project is based on the LED display using GSm modem for displaying scrolling messages.	I.T.	Web Application
	smart texting system for Android mobile users	Prof. A. D. Raut	This project is based on evaluating voice of the user against keypad for editing the text.	I.T.	Web Application
	Designed of an optimized virtual server for efficient management of cloud load in multiple cloud environment	Prof. M. R. Shahade	In this project two algorithms are proposed for efficient load balancing in multiple cloud environment and they are impemented using windows Azure framework	I.T.	Cloud computing
	Detection of an duplicate code.	Prof. G. B. Regulwar	Aspect oriented programming has allowed to cross cutting duplication to be abstracted	I.T.	Data Security
	Free roaming mouse interface for wireless communication using accelerometer	Prof. O. V. Chandure	Accelerometer based mouse can be treated as a new age input device. Accelerator is used for pointing free roaming mouse interface	I.T.	Web Application
	An implicit password authentication system:IPAS	Prof. A. P. Bakshi	It is variation to the login password scheme using graphical password used in an implicit manner.new framework IPAS ,which is immune to the common attack suffered by other authentication scheme.	I.T.	System Security
	Simulation of VANET using network simulator	Prof. S. T. Dhagadi	Studt of VANET (vehicular ad-hoc network) requires efficient and accurate simulation tools this project present the implementation of well	I.T.	MANET

		known VANET to network simulator.		
Faster retrieval of web Pages using memory caching technique	Prof. S.P. Aware	This project focus on performance evaluation of serving nodes responsible for executing web application request.	I.T.	Data mining
Keylogger : A preventive approach for security of computer	Prof. S. A. Kahate	This project helps in obtaining valuable data without cracking into a hardened database or file server.	I.T.	Data Security