

Project Category	Area of Specialization	Project Title	Brief Description
Research Oriented	Image Processing	Comparison of Image Contrast Enhancement Techniques	Project aims to compare various image denoising techniques for natural images qualitatively and quantitatively
Industry Oriented	Database Programming	Common Entrance Seat Allotment System	
Institute Related	Web and Database Programming	ERP System for the Institute	
Institute Related	Web and Database Programming	E-Office	
Research		" Medical Informatics " Design of EHR system for rural people "	An electronic health record (EHR) (also electronic patient record (EPR) or computerised patient record) is an evolving concept defined as a systematic collection of electronic health information about individual patients or populations. It is a record in digital format that is capable of being shared across different health care settings, by being embedded in network-connected enterprise-wide information systems. Such records may include a whole range of data in comprehensive or summary

			<p>form, including demographics, medical history, medication and allergies, immunization status, laboratory test results, radiology images, vital signs, personal stats like age and weight, and billing information.</p>
Industry Oriented		Inventory Management for sale and purchase	<p>An inventory control system is a process for managing and locating objects or materials. In 3common usage, the term may also refer to just the software components. Modern inventory control systems often rely upon barcodes and radio-frequency identification (RFID) tags to provide automatic identification of inventory objects. In an academic study[1]performed at Wal-Mart, RFID reduced Out of Stocks by 30 percent for products selling between 0.1 and 15 units a day. Inventory objects could include any kind of physical asset: merchandise, consumables, fixed assets, circulating tools, library books, or capital equipment. To record an inventory transaction, the system uses a barcode scanner or RFID reader to automatically identify the inventory object, and then collects additional information from the operators via fixed</p>

			terminals (workstations), or mobile computers
		Automation of T&P Cell	Data management and Documentation of Training and Placement records
Research Oriented		Clustering Techniques for medical images	<p>In demographics, clustering is the gathering of various populations based on ethnicity, economics, or religion.</p> <p>In countries that hold equality as important, clustering occurs between groups because of polarizing factors such as religion, wealth or ethnocentrism. Clustering is often considered an enriching part of free cultures in which one can visit a Chinatown or a French quarter for restaurant choices. Other sociologists assert that clustering of like minded individuals leads to political polarity and intolerance of contrary opinions, as the United States has allegedly been trending since the 1950s</p>
Research Oriented	Data Mining	Gene prediction based on DNA markers	DNA markers of different species are available free online. These can be utilized for molecular function prediction.
Industry Oriented	DBMS	Hosiery Production Management System	To automate the hosiery industry. To develop coordination between the different production units.

Institute Automation Related	DBMS	Online Advisory Register	The students will fill the requisite information online as per format and the necessary information can be retrieved and printed when required.
Industry Oriented	DBMS	Investment Analyzer	Based on the premium and growth required, customer can explore different options as per requirement and present scenario. Based on this, he can choose best investment plan.
Institute automation	PHP,MYSQL	Hostel Management	To automate assest register, furniture and working of hostel
Research oriented	Any Language	Data Mining tool	
Industry Oriented	.Net Technologies	Any web Mining tool	To mine data from web
Other	Any web language	Social Networking site	Like Face book or Twitter
Industry Defined	Browser based programming	Purchasing second hand car	A rule based engine for buying a second hand car
Research Oriented	Image Processing	Data hiding	Implementing steganography technique for hiding data
Institute Automation	DBMS	Seating Plan	To develop seating plan according to room availability and no. of students
others	System Software	Text Editor	

Research	Image Processing	Comparative analysis of various image processing Techniques.	Project is related to analysis of various image processing algorithms. It is to be implemented in MATLAB.
Industry	RFID Technology	Vehicle Access Control	RFID technology can also be used to locate a particular object/person. To use this technology in vehicle access control Long range RFID reader and active tags are used. Vehicles with access to a particular place are fitted with RFID tags.
Institute	Programming	Classification of Books for College Library	The books are to be classified on basis of various streams in college.
Others	Voice over IP	Network	This application named Unified Messaging over IP intends to integrate three major methods for Electronic communication, Voice (IP telephony), Mail (E-Mail and Voice Mail), Fax and also document conferencing which integrates the above three facilities.
Industry Defined Project	.Net Framework	Automobile and Sales Tracking Hub	Could be used to develop an application for the Automobile and Sales. It should be accessible throughout the organization with proper login provided for administrator and Employees.
Institute Automation Project	Any Programming	Time Table	Could assist the T/T Comettiee to design the

	Platform	Automation	staff and lab TT.
Research Oriented Project	Any Programming Platform	Design of New Games	Existing games could be studied for the design of new game.
Industry Defined Project	JAVA	Java Mail Engine	To design the email system that would enable the users to send emails at faster rates.
Industry Defined	AI	A Hackers Approach to Improve the A.I. Behind CAPTCHA	To get better performance by use of CAPTCHA to tell computers and humans apart
Research Oriented	Image Processing	Improving quality of images	Using Fuzzy logic for enhancement of images
Institute Automation	DBMS	ERP system for Library	Automation of Library
others	ASP.NET & SQL Server	Budget Monitoring System	Budget Monitoring System is a web enabled online monitoring information system.
Research	Matlab	End Point Detection for Connected Speech Recognition	An important problem in speech processing is to detect the presence of speech in a background of noise. This problem is often referred to as the endpoint location problem. The accurate detection of a word's start and end points means that subsequent processing of the data can be kept to a minimum.
Other	.Net	Social Networking Site	A social networking service is an online service, platform, or site that focuses on building and reflecting of social networks or social relations among people, who, for example, share interests and/or activities. A

			social network service consists of a representation of each user (often a profile), his/her social links, and a variety of additional services.
Institute Automation	.Net	Sessional Management System	The Sessional Management System includes tasks such as examination / test marking, computing average of best two, keeping track of assignments submitted and calculating final marks.
Industry	.Net	Credit Card debt Management System	Credit card debt management can be defined as a process of managing your credit cards and their repayments. It involves negotiation with your unsecured creditors for your credit cards. These negotiations are regarding lowering down your repayments when you are unable to meet their contractual dues. For this, you can hire a credit card debt management company as your credit card debt management provider.
Efficient Resource Utilization	Network Programming	Secure Proxy Server	Proxy server is a simple and high performance utility for proxying (tunneling or redirecting using SSL) connections from external clients to a designated server
Research Oriented	Network Programming	<i>Network Circumvention & Anonymity</i>	It will use Internet censorship circumvention process used by technologically savvy Internet users to bypass the technical aspects of

			Internet filtering to protect user privacy.
Research Oriented	Network Programming	Wireless Network Scanner	It Inspect Wi-Fi and surrounding networks, Scan and filter hundreds of nearby access points, Troubleshoot competing access points and clogged Wi-Fi channels, Highlight access points for areas with high Wi-Fi concentration, Sort results by MAC Address, SSID, Channel, RSSI, Time Last Seen
Securing Resource Parameter	Network Programming	Robust Firewall	The operating system is Linux. The main function of this firewall is to check each and every incoming, outgoing and forwarded packets to check against different rules defined by system administrator and according to that action must be taken. Its working is very similar to iptables in Linux. This firewall has an user interface through which system administrator can add, modify or delete rules. It can also log different packets. According to the packet flow observed, it generates offline graphs as well as on-demand graphs. It will help system administrator to visualize network activities.
Research Oriented	Matlab	Comparison of Various Image Compression Techniques.	Study of Various Image Compression Techniques.
Industry Defined Project	Java	Voice Mail Using Java	
Application Oriented	Java and Android OS	Sound Matching (ABC)	

		System	
Institute Automation	VB.Net/ Java	Automation of Time Table	
Institute Automation			
Application Oriented	Java and Android OS	Developing Kindergarten Application For Android.	
Industry Defined Project	Java	Design of a Web-Crawler	
Research Oriented	Java, GridSim	Comparison of Various Techniques Scheduling.	
Institute Automation	MIS	Online student registration system	A web based portal allow submission of student applications
Application Oriented	Cryptoanalysis	Password Recovery	Protection of documents
Industry Defined Project	Programming	Industry Manpower resource organization	Maintain the hierarchy of employee with an organization.
Research Oriented	Application Programming	Data Hiding Tool	Hiding any information in an image
Institute Automation Project	Centralized Authentication System	gAUTH	Single Singn-in service for all services provided by GNDEC

Industry Defined Project	ERP System	Company Name ERP System	To develop an Entry Level ERP System for an organization.
Research Oriented Project	Customized OS	gLINUX	To develop a Customized flavor of Linux OS tailored of the requirements of GNDEC using Linux From Scratch
Institute Automation Project	Unified Notification System	Suneha (Punjabi Word for Message)	To develop a Unified messaging/notification system to notify students/teachers about various academic notices,alerts etc
Institute Related	VB.NET	College Club web site	Manage college club activities,manage members,viewers,articles, noticeboard
Industry Related	VB.NET	Online Shopping system	Online buying,selling & advertisement. Online payments.
Industry Related	VB.NET	Stock managemne t	Manage hardware stock of a company, Manage bills
Research Related	VB.NET	Audio Reader	

			Read any audio file.
Research- Oriented	Digital Image Processing (Matlab)	Comparison of various Image Enhancement Techniques	This project compares various enhancement techniques that can be used to visually enhance the gray-scale images
Industry Defined	Java/ Dot Net	Industrial Manpower Resource Organizer	This project is used to organize the manpower resources in an industry.
Institute Automation	Java/ Dot Net	College Enrollment System	This project handles various academic and non-academic activities of the college/ academic institutes.
Other	Java/ Dot Net	Placement Office Automation System	This project is aimed at developing an online application for the Training and Placement Department of the college.