Mini Project-1 (MP-1)

Even 2015 4th Semester

Note: Students can also select their own definition for Mini Project provided prior confirmation from respective course co-ordinators.

Sr. No	Mini Project-1 Title
1	Peer to peer and group chat application
2	File transfer over network
3	finding and removing redundant/duplicate files in a file system
4	time synchronization in network using time server based
5	secure key distribution protocol implementation in network (peer to peer) or usng Key Distribution Server
6	Development Sales and Inventory Management System with Report generation
7	Paint application using AWT
8	Development of a Network Print Spooler
9	Design animated application for the Travelling salesman, krushkal and prim's problem
10	Resume Builder Application
11	Game-Chess
12	Game-snake-ladder
13	application which convert voice to text
14	Data analysis and visualization tool
15	Appliction / Game for nursey children to learn numbers and alphabets which can be extended for words, dictionaries and many more
16	Notetaker
17	Fitness Monitor
18	Bulk File Distributor
19	Audio Player
20	Address Book
21	Bulk Spell Checker
22	Sudoku Game
23	Birthday Card Maker
24	Foreign Language Trainer
25	Image Compressor
26	Pseudocode to Algorithm converter
27	Securing TCP/IP communication using cryptography
28	Home Accountancy system
29	Report Generation Tool from Time Table
30	Subject Allocation System
31	Text Editor
32	Finding Files Similarities of the File System
33	Generating Maze Game
34	Generating Reminders
35	Image Processing (Changing brightness, contrast, color, model of Images)
36	Address Book
37	Stock Control System
38	Birthday Reminder
39	Hangmen - The Game
40	Electricity Billing
41	tic tac toe game
42	KBC game
43	Election voting System
44	Web based chatting
45	Private Banking Network
46	Attendance management system
47	Gatering system information tools
48	Time table geneartion tool
49	kid's learning system
50	Animation of learning concepts like TCP,UDP,STACK,PROCESS
51	Parallel computing using CUDA enabled GPU
52	Creating ImageJ Plugin in Java from existing Matlab/Scilab Code
53	Using C for a part Image Processing Application
54	Developing C function for doppler centroid calculation from satellite data
55	Developing an automatic e-mail tracing for cyber forensics
56	Detecting Copyright infringement while user is commiting this cyber crime

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			57	Detecting whether any image in the user specified folder is tampered or not				
			58	Sensor reading application for Arduino board				
			59	Address book application in sync with mobile				
			60	Mobile App to track the GPS location of a moving object(based on java)				
			61	Face Detection using Java				
			62	Face Recognition using Java				
			63	Gesture Recognition using Java				
			64	Home Automation using Arduino(controlling of only one or two appliances)				
			65	Congestion control using network protocols				
			66	Consistency maintainence with performance improvement in distributed systems				
			67	Load Balancing in distributed systems				
			68	Algorithm optimization for 8 Queens problem and performance evaluation				
			69	File security system				
			70	GATE Score Predictor System				
			71	Creation of Net Conference				
			72	Web Based Book Publishing System				
			73	Question Paper Generator				
			74	Barcode Scanner in Android				
			75	Simulator for Lock-free Data Structure				
			76	Website design				
			77	Testing tool to verify given test cases				
			78	Remote control of Home appliances using Arduino				
			79	Mobile application to alert power usage				
			80	Java Editor				
			81	Text to speech application				
			82	Video conferencing system				
			83	Retrieving files using content based search				
			84	Proposed key generation for multimedia application				
			85	MiMO network simulation and analysis				
			86	Artificial noise addition in MIMO based communication				
			87	Diversity gain analysis in MIMO based communication				
			88	transportation guide mobile App				
			89	Privacy preserving data mining				
			90	E-Voting				
			91	E-Auction				
			92	Student Information System				
			93	Attendance Management System				
			94	Healthcare Management System				
			95	Emotion Recognition from Text				
			96	Classifier Implementation				
			97	Account Adviser				
			98	Clusterer Implementation				
			99	Implementation of Data Preprocessing techniques				
			100	java snake game				
			101	cryptography in steganography				
			102	Payroll system				
			103	Library management system				
			104	Online reservation system				
			105	Smart Encryption (Image/ audio / video)				
			106	Designing of elliptic curve cryptography algorithm for sending data over intranet				
			107	Mobile Encyption & Decryption				
			108	Cipher Machine				
			109	Desiging of RSA algorithm over secure peer to peer communication				
			110	online library management system				
			111	Database Management System(implementation of dabase operation like select, delete, update etc..)				
			112	Animation of Computer Graphics Algorithms				
			113	Implementation of working of ATM				
			114	Animation of 2-D Transformations				
			115	Inventory System				
			116	Implementation of Hangman Game				
			117	Animation of networking protocols				
			118	switch on/off home applianceas using GPS				
			119	Implemantation of Data compression algorithm				
			120	Simulation of DES algorithm				
			121	E-campus				

122	E-governance			
123	Implementation of Flooding protocol			
124	Chat messenger			
125	~~Sudoku~~			
126	Maze finding path			
127	MCQ examination system			
128	Software testing simulation			
129	DX-Ball Game			
130	payment gateway			
131	Development of syntax analyzer using Java			
132	GUI based Simulation of Database operations			
133	Simulation to demonstrate MAC algorithms			
134	~~MCQ Based - Quiz Test~~			
135	Personnel Management System			
136	Game development in Android			
137	Image Enhancement and Minutiae Matching in Fingerprint Verification			
138	Fingerprint recognition system			
139	Face reconition using kernel based methods			
140	Audio Watermarking			
141	Mining Wikileaks Data			
142	UltraMixer in Java			
143	Network Analyzer			
144	Satellite Coverage Problem Management			
145	Multiple Sequence alignment using Genetic Algorithms			
146	Automatic Email notification for the absentism of a student			
147	Automatic timetable generation			
148	Captcha generation and verification			
149	Implementating Watchdog timer for autosleep and wakeup of the computers			
150	Mobile application for Bus tracking System			
151	Mobile Application for home servilence Sytem			
152	Mobile application for any game which improves English vocubulary			
153	Langugage converter			
154	Audio calling on Nirma LAN			
155	Counting number of students present in a class through image processing			
156	E-mail client			
157	E-mail server			
158	Implementation of Progressive Window Algorithm for pattern generation			
159	Plant Genetic Engineering : Study of Plant Root System Architecture using Image Processing			
160	spell checker and prediction using java			
161	Song prediction using java			
162	smiley(like whatsapp smiley) prediction using java			
163	RTOS based home AUTOMATION SYSTEM USING ANDROID			
164	Automatic night lamp with morning alarm			
165	RFID based Attendance system			
166	FM transmitter circuit			
167	Flight Booking System			
168	File transfer using cryptography techniques(including image)			
169	Online sensex graph system			
170	website ranking system			