		Mini Dunio et 4 (MD 4)				
		Mini Project-1 (MP-1)				
		Even 2015 4th Semester				
THIS	THIS IS MINI PROJECT OFFERED TO SEM 4 students. Expectation is that they will implement it in Java. As this is only language they know.		Note: Students can also select their own definition for Mini Project provided prior confirmation from respective course co-ordinators.			
Sr.		Mini Project-1 Title Peer to peer and group shat application				
		File transfer over network				
		finding and removing redundant/duplicate files in a file system				
		time synchronization in network using time server based				
	5	secure key distribution protocol implementation in network (peer to peer) or usng Key Distribution Server				
		Development Sales and Inventory Management System with Report generation				
		Paint application using AWT				
		Development of a Network Print Spooler				
	9	Design animated application for the Travelling salesman, krushkal and prim's problem		Branch	Name	e-mail
		Resume Builder Application		CE	Prof. Jitali Patel	jitali.patel@nirmauni.ac.in
		Game-Chess		IT .	Prof. Sharnil Pandya	sharnil.pandya@nirmauni.ac.in
		Game-snake-ladder application which convert voice to text			Prof. Daiwat Vyas	daiwat.vyas@nirmauni.ac.in
		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				
		Notetaker				
		Fitness Monitor				
1	18	Bulk File Distributor				
1	19	Audio Player				
		Address Book				
		Bulk Spell Checker				
		Sudoku Game				
		Birthday Card Maker				
		Foreign Language Trainer Image Compressor				
		Pseudocode to Algorithm converter				
		Securing TCP/IP communication using cryptography				
		Home Accountancy system				
2		Report Generation Tool from Time Table				
3	30	Subject Allocation System				
		T <del>ext Editor</del>				
		Finding Files Similarities of the File System				
		Generating Maze Game				
		Generating Reminders				
		Image Processing (Changing brightness, contrast, color, model of Images)				
		Address Book Stock Control System				
		Birthday Reminder				
		Hangmen The Came				
		Electricity Billing				
		tic tac toe game				
4		KBC game				
		Election voting System				
4	44	Web based chatting				
		Private Banking Network				
		Attendance management system				
		Gatering system information tools				
		Time table geneartion tool				
		kid's learning system				
	50 51	Animation of learning concepts like TCP,UDP,STACK,PROCESS Parallel computing using CUDA enabled GPU				
		Creating ImageJ Plugin in Java from existing Matlab/Scilab Code				
		Using C for a part Image Processing Application				
		Developing C function for doppler centroid calculation from satellite data				
		Developing an automatic e-mail tracing for cyber forensics				
		Detecting Copyright infringement while user is committing 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	
	Database Management System(implementation of dabase operation like select,	
111	delete, update etc)	
140		
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	Implementation 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		
139	Audio Watermarking		
140	Mining Wikileaks Data		
141	UltraMixer in Java		
	Network Analyzer		
143	Satellite Coverage Problem Management		
144			
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		
167	File transfer using cryptography techniques(including image)		
169	Online sensex graph system		
170			
170	website ranking system		