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SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
1	CS	Ms. Nethra M.V.O	4VP11CS075 4VP11CS078 4VP11CS084 4VP11CS085	Anti-Theft Application For Android Based Devices	Functional	Mobile Anti-Theft system is an application based on Android used for tracking back stolen or lost mobile. Once our system is installed onto a mobile phone and an alternate number and e-mail is fed into the software. The owner's SIM card gets registered in the database. Whenever phone is rebooted application is invoked in stealth mode and verifies whether if the SIM card present in mobile phone is of owner. If the SIM belongs to owner, the software doesn't do any activity. If SIM is been changed and the SIM is not registered in the database then, application sends a message to the alternate mobile number in stealth mode and starts listening for incoming SMS messages. Owner can send a SMS request to application then the corresponding information is provided via SMS or E-mail. Now if the owner send a SMS request to application asking for GPS co-ordinates, application would do so. Since our system is based on Google Android Operating system our system would send the position as to where the mobile is.
2	cs	Mr. Harivinod N	4VP11CS071 4VP11CS072 4VP11CS081 4VP11CS089	A Computer Vision Based Automatic Bank Cheque Clearing System	Functional	In many developing countries, the presentCheque processing procedure requires a bank employee to read and manually nter the information present on a cheque (or its image) and also verify the entries. As a large number of cheques have to be processed every day in a bank, an automatic reading system can save much of the work. Even with the success achieved in character recognition over the last few decades, the recognition of handwritten information and the verification of signatures present on bank cheques still remain a challenging problem in document image

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						analysis.The system we are developing, accepts image of a bank cheque. The objective of the proposed system is to design and develop a computer vision based automatic bank cheque clearing system which prevents physical movement of the cheques and validates the contents electronically. It also minimizes transaction costs and provides better verification process.
3	CS	Mr. Sharath K R	4VP11CS023 4VP11CS042 4VP11CS051 4VP11CS054	Building Confidential And Efficient File Access Service With Rasp Data Perturbation	Functional	The project " Building Confidential and Efficient File Access Service with RASP Data Perturbation" is concerned with providing security to the files in the system.We propose the random space perturbation (RASP) data perturbation method to provide secure and efficient file access and kNN query services for protected data in the system. The RASP data perturbation method combines order preserving encryption and random projection, to provide strong resilience to attacks on the perturbed data. The kNN-R algorithm is designed to work with the RASP range query algorithm to process the kNN queries. In our project, when file owner uploads the file he select the users with whom he shares the file and sets the access type and permission for the files, so confidentiality and security of the files is guaranteed.
4	CS	Mr. Nagaraj K	4VP11CS006 4VP11CS015 4VP11CS016 4VP11CS041	C# Cloud Compiler	Functional	Cloud based compiler mainly deals with providing a platform to compile and execute programs that is not dependent on any platform related restriction or complication. The compiler that we are going to implement would be a C# compiler that is hosted on a private cloud . The compiler can be used to implement and run C# program. The proposed system provides centralization compilation schema for the .net code using cloud computing .Software is hosted on the cloud and it is used as the service over the cloud. User first need to register and log-in with the user

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						name and password which is encrypted and stored in database. After that user can browse the file or type the code in the editor provided. And once the code is ready it can be saved in desired location .User can pre-compile the code which can provide line numbers etc. Then click on the compilation button, the code is submitted to the cloud for the authorised users otherwise it shows unsuccessful submission and code is encrypted during submission and decryption of the code takes place during receiving the code. After successful submission compilation of the code takes place in the cloud ,exe file is generated and encrypted results will be sent back and are displayed on the client window if errors present in the code means error is displayed on the client window. The main advantage of the proposed system is that it reduce storage space in the systems and also reduce the time needed to install the visual studio in the systems.
5	CS	Mr. Sharath K R	4VP11CS083 4VP12CS404 4VP12CS410 4VP12CS412	A Perspective Approach On Citizen Card System	Functional	Citizen Card System in which every citizen of a country will have a unique 16 digit number Citizen Card System which would not just help the government track down individuals, but would make life far easier for citizens as they would not have to submit multiple documents each time they want to avail a new service-public private, government., regulatory authority or lawenforcement agency. This system will contain details like the name, sex, address, marital status, photo, identification mark and face biometrics. The Citizen Card is fundamentally prepared to identify citizens so that better security can be provided by identifying illegal immigrants and terrorists. The role the system envisions is to issue a Citizen Card System that can be verified and authenticated in an online, costeffective manner, and that is robust enough to eliminate duplicate and fake identities.

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| 6 | CS | Prof. Santhosh Meharwade | 4VP12CS401 4VP12CS402 4VP12CS407 | Controlling Ip-Spoofing Through Checksum Method | Functional | With the wide usage of internet in many fields, networks are more exposed to attacks such as distributed denial of service (DDoS) attack, IP Spoofing, worm/virus, and so on. Therefore, awareness of net attacks is vital. Intrusion Detection and Prevention Systems (IDPS) are security systems that are used to detect and prevent security threats in the network. IP spoofing is one of the attacks in the network. It is a technique used to gain unauthorized access to computers, whereby the interloper sends messages to a system with associate IP address indicating that the message is returning from a trustworthy host. In proposed system an effective method for defense against IP spoofing is used, which is based on checksum and the cooperation with centralized checksum verification server. The protocol is designed at application layer to detect and prevents the intruder who is spoofing an IP address of another system. The expected result is to demonstrate the method that can effectively and steadily detects and prevents the IP spoofing attack, there by verifying checksum and block |
| 7 | CS | Mr. Nagaraj K | 4VP11CS007 4VP11CS024 4VP11CS027 4VP11CS029 | Customized Power Management For Laptops | Functional | Power management is a process of managing the power ie, to reduce overall power consumption and to have prolong battery life. Adjusting the display brightness is one of the quickest methods to conserve battery life. Customized power management is a process of managing the power automatically.Currently the brightness settings are set manually by the user. And until the user changes it for the next time, it remains the same. This may consume more power. In the proposed system, the brightness settings are application specific. Applications are independent of each other. The brightness will be automatically set for all chosen applications ie, the user need to choose the application he |

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						want to run and choose brightness to those application.
8	CS	Prof. Mahesh Prasanna K	4VP11CS070 4VP11CS086 4VP11CS421 4VP12CS403	Dacc: Distributed Access Control In Clouds	Functional	While dealing with modern cloud technology, we face several security related problems. As all the users store their data credentials in the cloud, which can be accessed by multi-users,security will be the issue. So providing security to data stored in the cloud is a challenging task. To overcome this problem we propose a new model for efficient data storage and access in clouds. In our model for secure data storage, cloud stores encrypted data. The main theme of our model is addition of Key Distribution Center (KDC). We incorporate DACC algorithm in our model where one or more KDC's distribute keys to data owners and users. DACC also supports revocation of users without redistributing keys to all users of the cloud. We show that our approach results in lower communications, computation and storage overheads, compared to existing models.
9	CS	Prof. Nishaykumar Hegde	4VP11CS001 4VP11CS002 4VP11CS004 4VP11CS050	Dynamic Road Transportation And Journey Management System	Functional	Providing better service to public transit users or passengers is the challenge to operators. It is hard to provide services when resources are limited. This resource in the operational context involves activities such as vehicle scheduling, information about approaching stop, finding current location without GPS facility for users.This system provides a dynamic solution for road transportation and journey management. In this system, every registered user can query to find the current location of the expected bus at anytime. At present, the main problem is lack of bus at required time. Using this system, passengers can request for the instantaneous bus arrangements. This system has the facility of announcing the approaching stop and passenger will be notified with a call when his/her destination is about to reach. Passengers who have already booked the ticket, still they

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						have to pay fine if in case of ticket loss, the system provides remedy for this problem by responding recently booked ticket information to registered passengers on his request. All these features have been accommodated in the system for lower – end mobile phone users with minimal knowledge of its operations. For implementation, Twilio, API providers for sending/ receiving sms, has been used and can also be implemented using GSM device.This project is developed using maven integration.
10	CS	Prof. Santhosh Meharwade	4VP11CS063 4VP11CS077 4VP11CS079 4VP11CS087	Efficient Cloud Pricing Using Progressive Approach	Functional	Cloud computing is an attractive technology in the field of computer science. It is one of the useful technique for resource sharing. Physical memory is most expensive resource in today's cloud computing platform. Cloud providers would like to maximize their clients satisfaction by renting the precious physical memory to those clients who value it the most. We are in the world where effective usage of resource is very essential. The unutilized resources in the cloud computing platform increases the price of the space in cloud. When a user wants to own a part of memory in cloud platform, cloud providers will not provide all the requested memory together. Instead they will assign a memory according to the client's usage. Because of the irregular cloud users the provider can get the maximum profit by renting their unused memory to the other users. When the irregular user wants to renew space, cloud provider will provide the space in reasonable price. This project helps to reduce the cloud space wastage by on-demand allocation of space and provides cost effectiveness for user and low investment for provider.
11	CS	Mr. Arjun K	4VP11CS011 4VP11CS030	E-Voting Using Android Platform	Functional	Proposed system presents an efficient voting system using android platform. The application provides a platform for

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			4VP11CS046 4VP11CS058			user to cast his vote without visiting the polling booth, i.e instead of visiting booth we are providing an android application through which the user can vote by sitting at his home,office or anywhere. The application starts with a registration process with which user need to give is primary details. Then using the generated password user can cast his vote. In the whole process no where the users identity is revealed. We have developed the application using Eclipse with the android development tool kit add on. Then for the database part we are using Wamp server. In the eclipse package each plug-in contains the code that provides some of the product's functionality. The code and other files for a plug-in are installed on the local computer, and get activated automatically as required.
12	CS	Prof. Mahesh Prasanna	4VP11CS019 4VP11CS032 4VP11CS036 4VP11CS044	Hand Gestured Mouse Controller	Functional	This project presents a system which is capable of communicating PC using natural gestures. This system integrates the physical surroundings of a person with real time computer generated information.To achieve this, a Natural User Interface is designed and implemented by using vision Based hand gesture recognition method. It should be capable of tracking the hand gestures and provides a feedback according to the recognized gesture. The user will be able to use his/her hand movements in order to control the operations which are usually carried out with a mouse. According to different hand movements, the system will respond and carry out the respective operations that are available. Here the natural gestures are recognized through analyzing the image frames from the web camera which is focused to the computer monitor. And it relies on a user being able to carry out relatively natural motions, movements or gestures that they quickly discover and control the

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						computer application or manipulate the on-screen content. This system provides an efficient way of communication with PC. In this system, spatial hand gestures are used for interaction instead of a Mouse. That is, the system is capable of tracking the hand gestures and then provides a feedback according to the recognized gesture. The recognized gestures will invoke the required operations based on its functionality
13	CS	Prof. Radhika Shetty D S	4VP11CS064 4VP11CS065 4VP11CS076 4VP11CS082	Managing Trust Relationships In Peer To Peer Systems	Functional	Peer-2-Peer system means computer in the system can act as both client and server. In a Peer-2-Peer network, the peers are computer systems which are connected to each other via the internet, where messages or files can be shared directly between systems on the network without the need of a central server. Building trust relationships among peers can decrease the attacks of malicious peers. A good peer sends authentic files. A malicious peer performs both service and recommendation-based attacks. Uploading a virus infected (or) an inauthentic file is a service based attack or sending a message which contains abusive context is a service based attack. If one peer wants to download file from another peer, peer will ask for the recommendation from the administrator or looks for the trust information of the past. So, administrator node will give the recommendation to receiving peer. Based on either the trust status or the recommendation, Peer decides whether the node is good (or) malicious. Find the node is malicious node means peer will not interact with malicious node. Find the node is good means peer interact with good peer. Administrator peer stores a separate history of interactions for each acquaintance.
14	CS	Mr. Ramakrish	4VP11CS060 4VP11CS061	Mapping Xml To A Wide Sparse Table	Functional	In the existing system, data is accessed from the database through SQL query which is lengthy process which

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		na B B	4VP11CS073 4VP11CS090			consumes more time to access the data from large database. To overcome this specific problem, we propose a new XML mapping approach into one wide table whose columns are sparsely populated. This proposed approach uses indexing concept to access the contents from the database. This mapping provides good performance for queries that are observed in enterprise applications etc where large database is used but are not supported efficiently by existing work. XML queries are evaluated by translating them into SQL queries over the wide sparsely-populated table. Experiments demonstrate that query evaluation over the new mapping delivers considerable improvements over existing techniques for the target use cases.
15	CS	Mr. Ramakrish na B B	4VP11CS012 4VP11CS026 4VP11CS033 4VP11CS056	Message Digest Encryption For Secured Storage In Cloud	Functional	Cloud computing is an Internet-based development and use of computer technology. It refers to the use of computing resources; hardware and software, available on demand as a service over the Internet. It offers a range of services for users of the network, which include applications, storage, and various operations and remote printing. In a server-client environment, there occurs data exchange between both entities.The data stored in the cloud may be frequently updated by the users, including insertion, deletion, modification, appending, reordering. To provide security for the data stored by the user on the cloud we propose a method where both the file name and the file content is being encrypted and stored in the cloud server. This includes involvement of both client and cloud server which hence provides more security to the file that is stored by the user on the cloud.
16	CS	Mr.Nischa y Kumar	4VP11CS005 4VP11CS031	Network Security Using Mixed Mode Onion Routing	Functional	The currently existing concepts under onion routing are passive and active. The main drawbacks of this existing

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		Hegde	4VP11CS034 4VP11CS037			concepts are low security and increased load respectively. The drawbacks mentioned above are overcome by merging the two concepts namely:active and passive onoin routing which is the main objective of the MMOR. This concept provides better security in the field of data transmission. This routing technique(MMOR) can be used for any kind of application related to data communications. To make the communication to be more secure,one can assign more number of intermediate nodes as active rather than passive. On the other hand if the user wishes to reduce the load ,he can assign more number of intermediate nodes as passive. Since dominating any one of the routing type(active/passive) results in overload or less security,it is more efficient to merge the two concepts which solves both the problems mentioned above. According to MMOR, message sent from the sender to receiver with less load and more security.
17	CS	Prof. Nithin Kurup U G	4VP10CS049 4VP11CS014 4VP11CS018 4VP11CS053	Path Finding Robot	Functional	A path finding robot is a vehicle which follows the path given by the user. The existing system contains features pertaining to one application where as this paper presents design of a single robot which supports combined features. When sophisticated localizing sensors cannot be used to sense the path, it is important for a path finding algorithm to provide opportunities for landmark usage during route execution, while balancing the efficiency of that path. The combined features of the path finding robot which is mentioned in this paper are key listener, map follower and path finder. Combining all these features together allows us to use robots for archaeological surveys, underground operations, excavation. Our system mainly has two main modes, one is manual mode and another is computer driven mode. In manual mode robot acts as a Key Listener and user

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						is given with the permission to move the robot by providing input using directional keys. Robot can be moved forward, backward, right and left, and these movements can be accomplished using up arrow, down arrow, right arrow and left arrow respectively. User can also see the upcoming path using camera mounted on the robot if he is not in the place where robot is placed.
18	CS	Prof. P.V Bhat	4VP11CS067 4VP11CS069 4VP11CS074 4VP11CS088	Path Recording Application	Functional	People traveling in unknown places with no person to guide them find difficulty in reaching their destination. With the help of the path recording application for android phones, one can record the path being traversed in the smart phone and can be checked when the user is in need of retracing the path that was traversed. In order to record the path being traversed, we need to collect information regarding the distance and the direction in which the user is traveling. To grasp the direction, the magnetic field of the earth can be made use. Magnetic field information has been used for navigation purposes for at least 10 centuries. With improvements and innovations in sensor technology, this source of information can be measured using very small and cost effective instruments.
19	CS	Mrs. Bharathi K	4VP11CS013 4VP11CS025 4VP11CS035 4VP11CS047	Service Level Agreement Scheme For Password Protection	Functional	An SLA is a contract between a network service provider and a customer that specifies, what services the network service provider will supply and what penalties will assess if the service provider cannot meet the established goals. This concept of SLA is used here for protecting the password. Password is the very important credential, which the user enters in the social networking sites. It must be 100% secured. For any applications which requires authentication, when the user logs in he must enter user-name and password. In this approach instead of storing the password in single

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						storage media it is stored in different storage medias. When the user first enters the web application using password, the SLA will split and encrypt the password and store it in different storage medias. When the user logs in SLA will fetch the password from where it was stored and decrypt using decryption algorithm. All these works are done by SLA alone. SLA acts as an interface between log-in page and our application
20	CS	Mr. Harivinod N	4VP11CS404 4VP11CS062 4VP11CS066 4VP11CS080	Smart Traffic Controller Using Image Processing	Functional	As the problem of urban traffic congestion spreads, there is a need for the introduction of advanced technology and equipment to improve the existing traffic control system. Traffic problems now a days are increasing because of the growing number of vehicles and the limited resources provided by current infrastructures. The simplest way for controlling a traffic light uses timer for each phase. Alternatively electronic sensors can be used to detect vehicles, and produce signal that cycles. We propose a system for controlling the traffic light by image processing. The system will detect vehicles through images instead of using electronic sensors embedded in the pavement. A camera will be installed alongside the traffic light. It will capture image sequences. Setting image of an empty road as reference image, the captured images are sequentially matched using image matching. For this purpose edge detection has been carried out and according to percentage of matching traffic light durations can be controlled.
21	CS	Prof. Radhika Shetty D S	4VP11CS009 4VP11CS010 4VP11CS040 4VP11CS055	Soap And Rest: A Hybrid Approach	Functional	Any Acess of data or information is done through the internet.Internet uses the webservices for this purpose. Webservice uses two protocols to give the services that is SOAP and REST. SOAP is abbreviated as simple object access protocol and REST is abbreviated as representational

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						state transfer. SOAP is a method of transfering messages or small amount of information over the internet using xml message format and uses webservice tools to convert the request into xml message format and again xml message to request format hence it is time consuming. REST is a way of sending or receiving the data between client and server and doesnot requires any tools for conversion as it doesnot uses xml message format. These protocols are used seperately in present situation. Here we are going to combine both the protocols by means of a decision maker inorder to have the better access to the data compared to existing one. By doing so we can utilize the advantages of both the protocol and disadvantage of one protocol is overcomed by another protocol. Performance will be improved by reducing the access time to fetch the data. In order to demonstrate this project we are using a case study of weather forecasting system.
22	CS	Prof. Roopa G K	4VP11CS017 4VP11CS022 4VP11CS045 4VP11CS059	Staff Management and Performance Analysis System	Working	Staff Management And Performance Analysis System is an integral part of web based faculty information management and it is also a part of the teaching experience and plays a significant role in improving the teaching effectiveness. The current system for teaching evaluation being used at most of the institutions relies on an inflexible paper system that uses outdated and labour intensive technology. This places a heavy burden on staff members who must process forms and transcribe written comments before releasing the evaluations for faculty review. This web based online teaching performance evaluation will significantly reduce the staff work load and improve the overall efficiency. Leave Management will keep track of the leaves taken by the staffs which is approved by the higher authority. Staff Management

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						will contains the information about the staff which can be viewed by the staff and the admin.
23	CS	Mrs. Roopa G K	4VP11CS003 4VP11CS008 4VP11CS020 4VP11CS021	Student Information Management And Performance Evaluation System (SIMPES)	working	Student Information Management System and Performance Evaluation System (SIMPES) provides a simple interface for maintenance of student information and performance. It can be used by educational institutes to maintain the records of students easily. This contains accurate, up-to-date information regarding a student's personal information and academic career which is critically important in the university as well as colleges. SIMPES deals with all kind of student details, academic related reports, college details, course details, curriculum, batch details, and other resource related details too. It tracks all the details of a student from the day one to the end of the course which can be used for all reporting purpose, tracking of attendance, progress in the course, years, exam details, final exam result and all these will be available through a secure, online interface embedded in the college's website. It will also have faculty details, batch execution details, student's personal details. Different reports and Queries can be generated based on vast options related to students, batch, course, faculty, internal assesments, semesters, and even for the entire college.
24	CS	Mr. Pramod Kumar Pm	4VP11CS407 4VP11CS068 4VP12CS408	Virtual Classroom Extension For Distance Education	Functional	Virtual classroom extension for distance education present the design, implementation, and initial results of a system for remote lecture attendance based on extending on-campus classrooms to accommodate remotely located students. A remote student is modeled with a real-time video sprite. The sprites are integrated into a geometric model that provides a virtual extension of the classroom. The virtual extension is rendered and projected onto the back wall of the classroom. The remote students are displayed at a natural location within

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						the field of view of the instructor, who can conveniently get a sense of their body language and of their facial expression. The system has been deployed in a first classroom and a pilot study indicates that the system promises to deliver quality education remotely. The system relies exclusively on commodity components, therefore it can be deployed in any classroom to allow any course to offer distance education seats.
25	CS	Mr.Arjun K	4VP11CS028 4VP11CS039 4VP11CS049 4VP11CS052	Virtual Money	Functional	"Virtual Money" is an application which makes use of NFC technology for payment and money transaction.The proposed system uses android operating system along with a new technology called as NFC to bring a new change to the way of payment. Initially the user registers to the application by providing details about his account along with a username and password. The user can add information related to all his accouts since this application supports multiple card selection. The vendor side consists of an NFC tag whose unique id will merged with his account. During the bill payment the user will login to the app using his username and password later the user will bring his phone into close proximity to the NFC tag and try to find out whether there is readable device. Since this NFC tag is a readable device the NFC enabled mobile phone will scan the information present in NFC tag and the information will be read into the mobile phone.Later the user will transfer the amount into the to the vendors account .The confirmation message is sent to user and vendor about the credited and debited amount.