Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

-

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
1	CSE	Mr. Pramod Kumar PM	4VP14CS002 4VP14CS018 4VP14CS019 4VP14CS027	Online project information system	Functional	Online project information system is a project which aims in developing a computerized system to maintain all necessary information related to project. It reduce the communication gap between students and staffs. The purpose is to design a system that provides functionalities to perform the activities related to project. It reduces the manual work and consumes less paper and reduce the time. The system can be accessed and effectively used throughout the organization with proper login enabled.
2	CSE	Mr. Sandesh Karath	4VP14CS003 4VP14CS022 4VP14CS029 4VP14CS033	Agro -Web marketing and automated irrigation system	Functional	Agriculture is the backbone of our country. One of the biggest problems faced by a farmer is marketing the products and irrigation facility. The farmers are unaware of recent trends emerging in agricultural field. This paper tells about a system which consists of a website in which agricultural marketing can be done without the interference of mediator, so that profit can be directly gained by a producer. It also gives information about all the current trends in agricultural field. It allows renting agricultural tools. Irrigation by help of freshwater resources in agricultural areas has a crucial importance. Because of highly increasing demand for freshwater, optimal usage of water resources has been provided with greater extent by automation technology. This paper also describes about automated irrigation using soil moisture sensors which not

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 1

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						only prevents the moisture stress of trees and salification, but also provides an efficient use of fresh water resource. In addition, the developed irrigation method removes the need for workmanship for irrigation.
3	CSE	Mr. Nischay Kumar Hegde	4VP14CS004 4VP14CS016 4VP14CS026 4VP14CS073	Credit Based Employee Appraisal System	Functional	In this project, we aim to create a healthy Superior-Subordinate Relationship. Each role in the project is provided with username and password for a traditional login portal of the system. The users of the system must login to get the benefits of the system. Based on the login credentials, every role is identified. Each role is provided with specific set of privileges. Administrator manages the overall system by adding or removing employees and assigning new projects, project manager, and project priority. Project Manager is responsible for assigning subtasks with priorities and employees to that particular subtask. He monitors the progress of the project and approves or rejects the submissions made by the employees. Employees work on the allotted subtasks and reports to the Manager. At the end of each subtask and project, credits are automatically granted by the system based on the employee's performance. This in turn creates a fair and transparent working environment in the organization
4	CSE	Mr. Harivinod N	4VP14CS005 4VP14CS010 4VP14CS095	A Highly adaptive OMR Sheet Evaluation	Functional	Today we find that lot of competitive exams are been conducted as entrance exams. These exams consist of MCQs. The students have to fill the right box or circle for

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in Page: 2

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
			4VP14CS108			the appropriate answer to the respective questions. During the inspection or examining phase normally a stencil is provided to the examiner to determine the right answer to the questions. This is a manual process and a lot of errors can occur in the manual process such as counting mistake and many more. To avoid this mistakes OMR system is used. In this system OMR answer sheet will be scanned and the scanned image of the answer sheet will be given as input to the software system. Using image processing we will find the answers marked to each of the questions by finding the region of interest and applying template matching algorithm. Summation of the marks & displaying of total marks will be also implemented.
5	CSE	Mr. Harivinod N	4VP14CS007 4VP14CS009 4VP14CS098	Extraction of text from video frames	Functional	Text in videos and images provides very useful information about the content of the videos. The video text extraction plays a major role in semantic analysis of the video, video indexing and video retrieval . We propose an efficient method for detecting, localizing and extracting the text appearing in the videos with noisy and complex background. The text region appearing in the video or an image has certain features that distinguish it from the rest of the background, we make use of corner metric and Laplacian filtering techniques to detect the text appearing in video independent of each other and combine the results for an efficient detection and localization. Then the binarization of the localized text is done based on the number of background and text pixels.

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
6	CSE	Mr. Roopa G.K	4VP14CS008 4VP14CS011 4VP14CS028 4VP14CS031	A Hybrid cloud approach for secure authorized depulication	Functional	Data deduplication is one of important data compression techniques for eliminating duplicate copies of repeating data, and has been widely used in cloud storage to reduce the amount of storage space and save bandwidth. To protect the confidentiality of sensitive data while supporting deduplication, the convergent encryption technique has been proposed to encrypt the data before outsourcing. To better protect data security, this paper makes the first attempt to formally address the problem of authorized data deduplication. Different from traditional deduplication systems, the differential privileges of users are further considered in duplicate check besides the data itself. Security analysis demonstrates that our scheme is secure in terms of the definitions specified in the proposed security model. We show that our proposed authorized duplicate check scheme incurs minimal overhead compared to normal operations.
7	CSE	Mr. Ragavendra T K	4VP14CS013 4VP14CS014 4VP14CS023 4VP14CS032	Vehicle Thieving Restraint	Functional	currently almost of the public having an own vehicle, theft is happening on parking and sometimes driving insecurity places. The safe of vehicles is extremely essential for public vehicles. Vehicle tracking and locking system installed in the vehicle, to track the place and locking engine motor. The place of the vehicle identified using Global Positioning system (GPS) and Global system mobile communication (GSM). These systems constantly watch a moving Vehicle and report the status on demand. When the theft identified,

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 4

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						the responsible person send SMS to the GSM module, then GSM module issue the control signals to stop the engine motor. This is more secured, reliable and low cost
8	CSE	Mr. Pramod Kumar PM	4VP14CS015 4VP14CS066 4VP14CS072 4VP14CS074	Advanced Traffic management system and control of street light	Functional	Traffic congestion is a growing problem worldwide causing time / fuel waste, pollution and even stress. In Indian road-traffic, the problems like congestion, unpredictable travel time are taking a serious shape which is also chaotic and noisy. In order to prevent the loss of electricity in street lights which is unnecessarily used, we deploy light sensors and motion sensors which can minimize the wastage of electricity.Various approaches have been proposed to reduce traffic jams. Recently, researchers have started to employ connected vehicle technology which is difficult to implement on roads. In this project, we present a low cost innovative technology for smart roads. We are implementing "Smart traffic" by using ultrasonic sensors, light sensors, motion sensors, and IOT devices.
9	CSE	Mr. Nithin Kurup U G	4VP14CS017 4VP14CS021 4VP14CS070 4VP14CS076	IOT Based Collision warning and avoidance system for cars	Functional	For the past decade, road transportation system in India has been increased tremendously. India bears 30% of world's total accident rates. According to a survey conducted by The Hindu,70% of such accidents are due to drunken driving. The aim of thissystem is to prevent accidents mainly due to foggy weather and drunken driving. The proposed systemdetects any objectand displays the distance between one vehicle and another vehicle to the driver using LCD.

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 5

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						Ultrasonic sensors have been used to detect any vehicle on both front and rear side of the vehicle.High power LED and buzzers are used as notifications. Whenever the driver starts ignition, the sensor measures the content of the alcohol in his breath and automatically switches off the car if he is drunken. A breath alcohol sensor is used to detect traces of alcohol in driver's breath.Vibration sensor is used to detect collision and GSM module is used to send SMS automatically in case of collision.
10	CSE	Mr. Ramakrishna BB	4VP14CS020 4VP14CS043 4VP14CS062 4VP14CS101	Online Multi-Face detection and tracking using detector confidence and structured SVMs	Functional	Online detection and tracking of a variable number of faces in video is a crucial component in many real world applications. We propose a real time system for detection and tracking of multiple faces. In this system we use two approaches for detect a face and track it continuously. Basically video sequences provide more information than a image. Whereas the Viola Jones algorithm is used to detect the face based on the haar features. Face tracking by Kanade Lucas Tomasi algorithm that is used to track face based on trained features.which allows background regions of the image to be quickly discarded while spending more computation on promising face-like regions.
11	CSE	Mrs. Savitha M	4VP14CS025 4VP14CS037 4VP14CS055	Green House Automation using IOT	Functional	Greenhouse Automation System is the technical approach in which the farmers in the rural areas will be benefitted by automatic monitoring and control of greenhouse

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 6

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
			4VP14CS060			environment. It replaces the direct supervision of the human. In this paper the different papers have been reviewed and developed the proposed system based on the limitation in the present monitoring system. It also focuses on the Generic Architecture which can be applied for many other Automation Application. Greenhouse is a building where plants are grown in a controlled manner. Nowadays due to urbanization and lack of land availability there is a great need to construct the Greenhouses which will be reserved mainly for growing crops. With the advancement of technology we can control and monitor the multiple Greenhouses using IOT from the central location wirelessly.
12	CSE	Mrs. Tapaswini PS	4VP14CS034 4VP14CS038 4VP14CS041 4VP14CS045	Predicting the course knowledge level of students using data mining techniques	Functional	Data mining techniques can be used to analyze the pattern of data in different fields. Based on the analyses' results recommendations can be made to decision making authorities. The data mining techniques can be used in educational domain to improve the outcome of the educational sectors. In this paper the authors have carried out research study by devising an algorithm and tool to determine students' course knowledge level using data mining techniques. This helps the faculty and students to take necessary remedial actions to improve performance in courses

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
13	CSE	Mr. Mahesh Prasanna	4VP14CS036 4VP14CS040 4VP14CS047 4VP14CS048	Hand Bone Age Estimation using energy based segmentation [Funded by KSCST]	Functional	Bones are calcified connective tissue forming the major portion of the skeleton of most vertebrates. There are about 206 bones in our body and contains more calcium. Bones begin to develop before birth. From the moment of birth until the time one has grown up, bones go through a set a characteristic changes. Therefore the skeletal maturity, or bone age, can be estimated from radiographs of specific bones in the human body. Children who grow exceptionally slow or fast are often examined by making a radiograph of their left hand and wrist. The aim of this work is to develop a system for skeletal bone age estimation using region of extraction. By analyzing left hand x-ray image, the feature extracted are CROI(Carpal ROI), EMROI (Ephiphysial/Metaphysial ROI),using discrete wavelet transformation, ISEF edge detector, energy based segmentation, Jacobi method, cell full and vertex full method. Extracted features are classified using k-mean classifier.
14	CSE	Mr. Ramakrishna BB	4VP14CS039 4VP14CS044 4VP14CS063 4VP14CS064	Mprint-A Mobile based documentation print using cloud printing technique	Functional	Printing is a process of reproducing text or images on a paper or master form. No matter how big an organization is, it needs to print, scan, or fax multiple documents at various locations as a part of is, it daily operations. Cloud printing is the technology that enables printers to be accessed over a network through cloud computing. M-Print intends a thought regarding the use of cloud print technology. This essentially reduces the physical existence of a person to operate any of the printing machines, allowing people to access it through

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 8

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						internet to get their material printed.
15	CSE	Mrs. Roopa G.K	4VP14CS042 4VP14CS049 4VP13CS061 4VP14CS065	An IOT Enabled Real -Time communication and location tracking system for vehicular emergency	Functional	An IoT Enabled Real-Time Communication and Location Tracking System for Vehicular Emergency is developed in order to detect vehicle accident and send the location information of the accident place to police station via a message. The communication between the android phone and hardware device is established via GSM/GPRS shield, and the location is traced by using the GPS shield. The accident is detected through vibration sensor and object sensors. The project is developed for real time data fetching form the hardware device using sensors send notification SMS. This project approximately provides the accurate detection of the location of accident occurred, and send notification to the nearest police station
16	CSE	Mr. Nagaraj K	4VP14CS046 4VP14CS054 4VP14CS057 4VP14CS058	Coding platform for contests/exams	Functional	Nowadays, programming tests are becoming a mandatory part of the entry-level positions in the IT industry. This is an effort to help students improve their coding skills. In the given contribution, we provide the institute with a coding platform which allows them to manage and monitor the growth of its students in specific areas and act accordingly. The system provides all necessary interfaces for better interaction and provides an editor packed with better features for writing the code and to avoid user errors while writing the code. Finally the results of the contests are available for the administrator in the institute for analysis.

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 9

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
17	CSE	Mr. Nischay Kumar Hegde	4VP14CS051 4VP14CS053 4VP14CS059 4VP14CS061	Digital Grama Panchayat	Functional	Now a day's people in the rural areas have to go to panchayat office in their location to apply and get their certificates provided in that office. It requires a lot of time and may result in work delay. The data in the office has to be maintained manually. There is no security for the data and faults can be encountered during entering the data mainly which require higher calculations. People also face so many problems in their area. They complain to their respective ward members but they may or may not respond quickly. There are many other problems in the present day panchayat raj system. So, the Digital Grampanchayat provides solutions to all the problems in the current system.Digital Grampanchayat provides online service to the people living in that area. All the services which are done manually are made online in the project. The people can about their panchayat, activities notifications and all other information related their villages. All the applications and certificates are applied and verified online. The users on the people in the village can complain about their problem through online. Suggestions are also accepted from the people for the development of their village. The user can request any application, suggestion, and complaint at anywhere and at any time.
18	CSE	Ms. Sharanya PS	4VP14CS052 4VP14CS067 4VP14CS079	Shoulder Surfing Resistant Authentication using hybrid images	Functional	Authentication based on passwords is used largely in applications for computer security and privacy. However, human actions such as choosing bad passwords and

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 10

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
			4VP14CS080			inputting passwords in an insecure way are regarded as "the weakest link" in the authentication chain. Rather than arbitrary alphanumeric strings, users tend to choose passwords either short or meaningful for easy memorization. With web applications and mobile apps piling up, people can access these applications anytime and anywhere with various devices. This evolution brings great convenience but also increases the probability of exposing passwords to shoulder surfing attacks. Attackers can observe directly or use external recording devices to collect users' credentials. To overcome this problem, we proposed a novel authentication system PassMatrix, based on graphical passwords to resist shoulder surfing attacks. With a one-time valid login indicator and circulative horizontal and vertical bars covering the entire scope of pass-images, PassMatrix offers no hint for attackers to figure out or narrow down the password even they conduct multiple camera-based attacks. From the experimental result, the proposed system achieves better resistance to shoulder surfing attacks while maintaining usability
19	CSE	Mrs. Savitha M	4VP14CS071 4VP14CS078 4VP14CS091 4VP14CS094	Smart Speed Breaker	Functional	The invention of internet has made the day-to-day life facile and less complicated. A new resolution of internet systems is connected to leverage data anywhere; anytime. IoT is expected to speed rapidly, over the coming years. A new dimension of services will be unleashed due to the confluence and motivation thereby improving the quality of livelihood. Smart speed breaker is mainly developed to

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in Page: 11

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						avoid the accidents due to high speed vehicles. The sensors are used to detect the speed of the vehicles and if the speed detected is beyond the speed limit the speed breaker raises from the ground level. An android application is developed which shows the speed of each vehicle passing and also the amount reduced from driver's account if the speed is greater than the limit.
20	CSE	Mr. Santosh Meharwade	4VP14CS075 4VP14CS103 4VP15CS401 4VP15CS403	Patient health monitoring using raspberry pi and adroid	Functional	Continuous physiological parameter monitoring is essential for elderly and ill patients. There is a need for an intelligent patient monitoring system, when the patient is not in the hospital or patient needs continues attention in hospital .Such a system will enable the doctors to monitor the physiological parameters online and take necessary action in emergency.In this system, a prototype of basic physiologicall parameter monitoring based on Raspberry Pi boards is implemented.Various basic physiological parameters such as blood pressure, heartbeat, body temperature and fall detection measured using relevant sensors and sent to the server for further processing.The measured physiological parameters are updated every 60seconds.The updated parameter values can be viewed from anywhere using an internet enabled device.Also, when the value of physiological parameters exceeds certain threshold, the caretaker is alerted through Notification. This system is especially helpful for elderly and ill patients

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 12

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
21	CSE	Ms. Shaila Patil	4VP14CS077 4VP14CS086 4VP14CS096 4VP14CS110	Smart meter reader using raspberry pi	Functional	With the increasing importance of information processing in industries arises the need for efficient data logging systems that are compatible with existing measuring devices such as LCD. This paper presents the framework for an Internet of Things (IoT) device as an automated industrial meter reader that uploads the collected numeral data to internet for centralized data processing. The implementation of the device is done using Raspberry Pi as the platform. The proposed method has four-step process- Image Acquisition using Raspberry Pi camera module, Optical Character Recognition using feature extraction technique, Internet Upload Mechanism and Online Data Processing using Google Spreadsheet.
22	CSE	Mrs. Ashwini P	4VP13CS015 4VP14CS081 4VP14CS090 4VP15CS406	NFC- Based Health Monitoring System	Functional	Near Field Communication (NFC) is a standards- based, short range wireless communication technology which validates two-way interaction between electronic devices allowing contactless transactions and provides an ease to connect devices with a single touch. NFC allows exchange of information between devices within 10cm range. NFC technology is also available in form of Tags. These NFC tags can store some information in it with a unique identification number. This feature of NFC tag can be used in many real-time applications. In today's world with rapid development in mobile technology mobiles can be used in many applications. Nowadays, most of the mobile phones are NFC enabled. The use of NFC for unique identification of patients in hospitals will be a great step towards

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 13

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List

27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						automation of Healthcare. Use of NFC-based identification will surely reduce mistakes of giving wrong treatment to patients in highly populated hospitals. In healthcare services, Efficiency and Accuracy are the two very important aspects. The use of NFC in healthcare will ensure these aspects for us. NFC is the wireless-communication technology that is very easy-to-use and both technical as well as non-technical persons like Doctors, Nurses, etc. can use it efficiently. So, NFC-Based Healthcare can be employed not only for providing Automation and Accuracy in healthcare as well as to lower down the Cost of healthcare in developing countries.
23	CSE	Mr. Mahesh Prasanna	4VP14CS082 4VP14CS087 4VP15CS402 4VP15CS405	Detection of malarial parasite using image processing	Functional	Malaria is a very serious infectious disease caused by a peripheral blood parasite of the genus Plasmodium. Conventional microscopy, which is currently "the gold standard" for malaria diagnosis has occasionally proved inefficient since it is time consuming and results are difficult to reproduce. As it poses a serious global health problem, automation of the evaluation process is of high importance. In this work, an accurate, rapid and affordable model of malaria diagnosis using stained thin blood smear images was developed. The method made use of the intensity features of Plasmodium parasites and erythrocytes. Images of infected and non-infected erythrocytes were acquired, pre-processed, relevant features are extracted from them and eventually diagnosis was made based on the features extracted from the

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.
Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in Page: 14

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

| PRJ- |
| Projects |
| List |
| 27/06/2018 |

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						images. A set of features based on intensity have been proposed, and the performance of these features on the red blood cell samples from the created database have been evaluated using an artificial neural network (ANN) classifier.
24	CSE	Mrs. Bharathi K	4VP14CS084 4VP14CS085 4VP14CS088 4VP14CS104	Smart waste management using IOT	Functional	Smart waste management system provides a waste collection management solution based on providing intelligence to waste bins, using an IoT prototype with sensors. It can read, collect, and transmit huge volume of data over the Internet. Such data can be used to dynamically manage waste collection mechanism. Simulations for several cases are carried out to investigate the benefits of such system over a traditional system. This system is based on IoT sensing prototype. It is responsible for measuring the waste level in the waste bins and later send this data (through Internet) to a server for storage and processing. This data helps to predict future traffic in specific location. This system is enhanced to differentiate wastes, namely solid and liquid wastes.
25	CSE	Mr. Raghavendra Katagall	4VP14CS089 4VP14CS093 4VP14CS097 4VP14CS099	Patient monitoring system in iot using raspberry pi	Functional	In the recent development Internet of Things (IoT) makes all objects interconnected and it has been recognized as the next technical revolution. Some of the applications of Internet of Things are smart parking, smart home, smart city, smart environment, industrial places, agriculture fields and health monitoring process. One such application is in healthcare to

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in Page: 15

Vivekananda College of Engineering & Technology
[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]
Affiliated to Visvesvaraya Technological University
Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						monitor the patient health status. The system is aimed to prevent delays in the arrival of patients medical information to the healthcare providers, particularly in accident and emergency situations, to stop manual data entering, and to increase beds capacity in hospitals, especially during public events where a large number of people are meeting in one place. The architecture for this system is based on medical sensors which measure patient's physical parameters by using wireless sensor networks (WSNs). These sensors transfer data from patient's bodies over the wireless network to the cloud environment. Thus Internet of Things in the medical field brings out the solution for effective patient monitoring at reduced cost and also reduces the trade-off between patient outcome and disease management. In this paper we discuss about, monitoring patient's body temperature, heartbeat, blood pressure, ECG and body movement using Raspberry Pi board.
26	CSE	Mrs. Bharathi K	4VP14CS092 4VP14CS100 4VP14CS102 4VP14CS111	Smart city electricity management using Raspberry pi	Functional	In the recent development Internet of Things (IoT) makes all objects interconnected and it has been recognized as the next technical revolution. Some of the applications of Internet of Things are smart parking, smart home, smart city, smart environment, industrial places, agriculture fields and health monitoring process. One such application is in healthcare to monitor the patient health status. The system is aimed to prevent delays in the arrival of patients medical information to the healthcare providers, particularly in accident and emergency situations, to stop manual data entering, and to

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K
Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.
Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in Page: 16

Vivekananda College of Engineering & Technology

[A Unit of Vivekananda Vidyavardhaka Sangha, Puttur (R)]

Affiliated to Visvesvaraya Technological University

Approved by AICTE New Delhi & Govt of Karnataka

PRJ-
Projects
List
27/06/2018

List of Projects: 2017-18

SNo	Dept	Guide	USNs	Title	Status	Abstract (100 words)
						increase beds capacity in hospitals, especially during public events where a large number of people are meeting in one place. The architecture for this system is based on medical sensors which measure patient's physical parameters by using wireless sensor networks (WSNs). These sensors transfer data from patient's bodies over the wireless network to the cloud environment. Thus Internet of Things in the medical field brings out the solution for effective patient monitoring at reduced cost and also reduces the trade-off between patient outcome and disease management. In this paper we discuss about, monitoring patient's body temperature, heartbeat, blood pressure, ECG and body movement using Raspberry Pi board.

Prepared by: Bharathi K   Checked by: Pramod Kumar PM   HOD: Mahesh Prasanna K

Nehru Nagar, Puttur - 574 203, DK, Karnataka State – INDIA.

Phone :+91-8251-235955, 234555 Fax :+91-8251–236444, Web: www.vivekanandaedu.org, E-Mail: vcet_puttur@yahoo.co.in   Page: 17