TECH ERA

STUDENT TECHNICAL MAGAZINE

VISION &MISSION

DEPARTMENT VISION

To emerge as one of the most preferred department for the budding engineers, aspiring to be successful IT professionals

DEPARTAMANET MISSION

DM 1: To inculcate team skills and leadership qualities in the student though projects, seminars and group activities.

DM2.: To impart quality education with a well-designed curriculum, consistent with industry requirements, that equips the student to face the career challenges.

DM3:To cultivate the qualities of social awareness and service to the humanity among students.

DM4:To extend the student's learning beyond the curriculum, through workshops on cutting edge technologies

PROGRAM EDUCATIONAL OBJECTIVES (PEOs)

Graduates of Information Technology programme will be:

PEO 1: Pursue a successful career in the area of Information Technology or its allied fields.

PEO 2: Exhibit sound knowledge in the fundamentals of Information Technology and apply practicalExperience with programming techniques to solve real world problems.

PEO 3: Demonstrate self-learning, life-long learning and work in teams on multidisciplinary projects.

PEO 4: Understand the professional code of ethics and demonstrate ethical behaviour, effectiveCommunication and team work and leadership skills in their job

PROGRAM OUTCOMES (POs):

Graduates of Information Technology programme will have the ability to:

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, an engineering specialization to the solution of complex engineering problems.

2. Problem analysis: identify, formulate, review research literature, and analyzecomplex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, andengineering sciences.

3. Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5. Modern tool usage: Create, select, and apply appropriate techniques, resources, and modem engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

6. The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineeringpractice.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multi-disciplinary settings

10. Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11. Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12. Life-long learning: Recognize the need for, and have the preparation and ability to engage in dependent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs):

Graduate of the Information Technology will have the ability to

1. Organize, Analyze and Interpret the data to extract meaningful conclusions.

2. Design, Implement and evaluate a computer-based system to meet desired needs.

3. Develop IT application services with the help of different current engineering tools.

About the Department

The department of Information Technology was established in the year 1999 with an intake of 40 seats in UG program. Student intake is increased from 40 to 60 in the year of 2001 and to 120 students in the year 2019. It is the one of the most emerging programmes in LBRCE. As IT plays a remarkable role in almost all sectors, due to this the need of Information Technology Engineers increased who could gain knowledge in recent technologies. Our department is intended to train the students in elementary courses and cutting-edge technologies like Cloud Computing, Android application, Big data, Digital marketing, Social networking and Digital communication for solving many social and business problems.

The department strives to be a centre for excellence, innovation and research with dedicated faculty, highly motivated students, state-of-the-art facilities and an innovative teaching-learning environment. The department was accredited by the National Board of Accreditation (NBA) for 3 years i.e. 2008 and 2019 (Under Tier-I), valid up to Academic Year: 2021-22. The department has consistently demonstrated its potential for excellent research through sponsored research projects, consultancy work, high-quality scholarly publications, text books, open-source software and other professional contributions. Several research and consultancy projects are also underway as part of various MoUs with reputed industry and academic organizations. Our students have consistently achieved 100% placements and have demonstrated a high level of success in pursuing post graduates at top universities of the world as per QS World University Rankings, like Massachusetts Institute of Technology, Carnegie Mellon University, Yale, Columbia, Purdue and in theIITs&IIMs.

Our future Software Engineers, Entrepreneurs, and Researchers are encouraged with inventive approach. We have an excellent infrastructure and advanced labs to expedite our students. The department facilitates innovative practices such as student internships, mini and major projects to meet the requirements of employment, teaching-learning process and entrepreneurship. To upgrade the knowledge of students, department offers many tools and Software applications. The LBRCE-CSI students' chapter has been actively organizing events like Technical Seminars, Workshops and Guest lecturers.

ArticlesPublished inReputed Journals & Conferences bythe Faculty of InformationTechnology.

Street light management system is one of the smart applications that requires huge energy expenses on developing asmart city infrastructure. A wise street light management method can definitely scale back the street lighting prices. Due to the increasing importance for saving power and proper maintenance results in the development of latest technologies, which allow significant power savings and largest respect for the environment and to reduce the road accidents. This project describes a brand-new answer for street light system and major accidents. Itconsists of wireless technology which can be controlled by a base server by simply sending the information and works according to the weather. The primary motto of this research is to avoid theenergy wastage and to save the lives of the individuals from accidents.

Sikhinam Nagamani

The accessibility of implicit sensors in cellular telephones has empowered a large agency of imaginitive applications. individual elegance of use manages spotting a purchaser's feelings. beyond programs have essentially depended on account and showing self-introduced emotions. This paper indicates a practical feeling recognition framework for cell phones finished as a terrific console that surmises a patron's enthusiastic nation using device mastering structures. The framework utilizes accelerometer readings and exceptional a part of composing behavior like pace and postponement among letters to prepare a classifier to foresee emotions. Credulous Bayes, J48, IBK, Multi-reaction without delay relapse and SVM were assessed and J48 modified into seemed to be

the finest classifier with over 90% exactness and accuracy. but giving emotive input to singular customers, the framework likewise makes use of geo-categorized facts to collect and show passionate conditions of locales or countries via a website.

Dr.B.Rama Devi, Dr.B.Srinivara Rao

*Dr.R. Vijaya Kumar Reddy, Dr.B.Srinivasa Rao, Dr. Shaik Subhani, P. Ravi Prakash, "**Effectiveness of Data Augmentation on Handwritten Digit Classification**", Jour of Adv Research in Dynamical & Control Systems, Vol. 11, No. 12, 2019,pp:90-96*

The achievement of any Deep Neural Networks will be depending of the training data set of images. But for certain problem the datasets which are collect from different resources are not sufficient to do classification of images with high accuracy. For such type of image classification works, it is essential to use a variety of data enlargement methods for the inadequate training image samples to enough training samples. The present paper explores the different data augmentation techniques impact on image classification works with Deep Neural Network on Handwritten Hindi digit dataset from Devanagari script. Dissimilar data augmentation techniques used in this paper contains rotate, Zoom, horizontal shift and Vertical shift. This sample data augmentation method considerably enhanced classification accuracy for every tested dataset. This method is most valuable for these works with a incomplete amount of training data, such as medical imaging tasks.

Dr.B.Srinivasa Rao

*R.Vijaya Kumar Reddy, K. Prudvi Raju, G Venugopal, B.Srinivasa Rao "**Recognition of Two Connected Handwritten Digits Based on User-Defined Algorithm**" International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-3, January 2020,pp:1723-1728*

The present paper proposes a model for recognizing unconstrained offline two connected handwritten Numeral digit strings. The Numeral strings are segmented and isolated numerals are obtained using sliding window approach with user defined algorithm. Hence the present paper proposes a segmentation-recognition system using the sliding window approach with user defined classifier. The sliding window is used for discovery the interconnection spots and optimal angle for cutting the adjacent digits at the same time and a minimum of 5 features are extracted from each isolated digit for classification. The exploratory outcomes directed on a

recently gathered database of manually written digits and got promising results. The overall efficiency obtained using the proposed method is about 98.51%

B.Srinivasa Rao

Chandra Sekhar Kolli , V. V. Krishna Reddy , Modepalli Kavitha **"A Critical Review on Internet of Thingsto Empower the Living Styleof Physically Challenged People"** *Emerging Research in DataEngineering Systems and Computer Communications, Advances in IntelligentSystems and Computing ,Feb2020 , pp:603-615*

Breast cancer is utmost widely recognized cause of demise in the women all through the world from most recent 65 eons. From medical insights, identificationand correct treatment of tumor at early stage will increase the lifetime ofpatient. According to doctor's perception, periodic breast self-examination will helpthe people to recognize the tumor symptoms at premature stage. But today peopleare highly educated toward technological revolution like smartphone and busy withtheir works. So, people expect non-ionic and inexpensive technological assistancefor breast health monitoring. The quick technological connection amid wirelessbody area networks, Internet of things and cloud computing will bring innovativeheadway in the medicinal services by offering reasonable and quality patient consideration.Through this paper, we proposed IoT-cloud-based health care (ICHC)system framework for breast health monitoring. Using this framework, the breastcancer symptoms possible are to identify at the earliest.

V. V. Krishna Reddy

Articles submitted by the 2016-20 (IV Year) batch Students inVarious Internship Programmes

CCNA IN R&S

KANDULA RAGHU RAM REDDY (16765A1201)

Routing protocols determine the best routes to transfer data from one node to another and specify how routers communicate between each other in order to complete this task. There are different classes of routing protocols two of which are Exterior Gateway Protocol (EGP) and Interior Gateway Routing (IGR). A routing protocol can be dynamic or static, as well as distance-vector link-state. In this project, we will focus on Routing Information Protocol (RIP), Open Shortest Path First (OSPF) and Enhanced Interior Gateway Routing Protocol (EIGRP). All three protocols are dynamic IGP meaning that these protocols route packets within one Autonomous System (AS). RIP is a distance-vector protocol; EIGRP is an enhanced distance vector protocol developed by Cisco and OSPF is a link-state routing protocol. Detailed descriptions of these routing protocols are provided later in this report. We will study characteristics such as convergence time and routing traffic sent within small land large topologies. Using OPNET, we will obtain simulation results for the specified routing protocols and compare performance in order to determine the best routing protocol for a given network topology.

Web-Based Project Management System

*A.BHAVANI (16761A1201),D.NARENDRA BABU (16761A1217),
CH.VINEELA AMRUTHA (16761A1209),P.TIRUPATHI RAO (16761A1242)*

To increase an efficiency of a product, nowadays many web development companies are using different project management systems. A company may run a number of projects at a time, and requires input from a number of individuals, or teams for a multi-level development plan, whereby a good project management system is needed. Project management systems represent a rapidly growing technology in IT

industry. As the number of users increased day by day who utilizing project management applications so the web-based project management systems enter a critical role in a multitude of companies. Thus, a proper project management system plays a distinctive part in ensuring reliable, robust and high-quality web applications for customers. Developing a web-based project management system and shows how it turns and helps users to handle projects. The Scope of the thesis processes in every day's working life. The reliability and robustness of a web-based project management system has also been set as the structure of the current thesis. Finally, a web-based project management system has been developed, which highly meets the standards and requirements set by the company. Web based project management system development is not just about writing code, that is only a part of the overall process. The customer needs are basically the most important to understand, how to analyse the requirements, produce a design and go about development and testing so that the system you deliver is a high quality and does what the client wants it to do.

PREDICTION APPLICATION

SRAVANI (16761A1211)

Prediction App is a mobile-based application developed using python, MySQL Database. This application provides an easy way to map the medical terms during lab reports. Lab Assistants can search the medical terms and provides the level of diagnosis. This project is purely based on Life Sciences. With the help of this project the medical terms can easily mapped with their respectiveday to day usage of medical involvements.

HOUSE RENTAL SYSTEM

Y.ANTHONY REDDY (16761A1260),L.KUMAR ANIRUDH (16761A1238),
M.SURAJ (16761A1239),K.GOWTHAM (16761A1234)

The main aim of this internship is to develop a web based House Rental system. In New cities it is difficult to find for a house for rent. In metro Politian cities rental house brokers will be there they will provide the houses to new comers or house seekers by taking their commission. It is a manual process that takes much

time. To overcome that disadvantage house rental system application is proposed. It is a web application that provides glance of vacant houses in a desired location of city with in few seconds. It is a user friendly app and useful for both house owners and tenants. This application is beneficial for owner in rendering the house and it is useful for tenant in avoiding in search of houses.

Projects taken up by 2018-22 (II year) Batch Studentsas a Part of Project Assistance learning

FOOD FOR NO FOOD

Ms.E.CHANDANA SRAVYA (18761A1218),Ms.P.JAYAVANI (18761A1241), Ms.S.MAHA LAKSHMI (18761A1250) , Mr.B.THARUN (18761A1204) , Ms.B.AMANI (19765A1201)

We have enough food to feed everyone in this world but we find many people who don't even get single meal a day. This idea is to provide food to those people. In the website there are two main blocks of have food and donate food. where the ones who is willing to donate food can simply provide his/her details we ask under the have food block. The details will be stored in the database. Similarly, the one who is in requirement of food provide their details under require food block and even their details will be stored in the database. Based on the matched conditions we provide the details of the one who has food to the one in requirement of food. This website is to provide food for the people, which in turn creates people to people interaction instead of depending on an intermediate organization.

CODE REVIEW SYSTEM

Ms.P.CHANDANA(18761A1211),Ms.SK.ANJUM JAVEARIYA(18761A1253),Ms.V.GAYATHRI(18761A1258) Ms.J.SATHVIKA(18761A1224),Mr.Ch.RAVITEJA (19765A1202)

Most of the programmers face a problem to get as many as test cases possible in their program. So we use this code review system to assign your code to any other person who will be having a better grade than you. Code Review System (CRS) automates the code audit process. Solution to test cases will be provided and axiomatic definitions can be overcome through CRS. CRS contains three main points: Reviewee: CRS user, submits the code for review, Reviewer: CRS user, review the submitted

code, Code Review Process CRS user (reviewee) uploads the code to the server. CRS system assigns code the Reviewer (other CRS users) based on rules defined by the CRS system (Rules like Experienced/Senior programmer or good knowledge user about the skill). Reviewer follows various standards (Code/Skill, Project, firm) & uses his/her experience to review the code. If the Reviewee violates any standards or code contains any logical errors, the reviewer specifies the points need to fix as his comments. The reviewee needs to fix them in order to pass the code review process. Once the code is all OK about standards, logic, performance etc.., the Reviewer passed the code review.

U-DUMP NETS
Ms.G.ASRITHA(18761A1219),Ms.A.MOUNIKA(18761A1202),Mr.M.VENKATESH (18761A1234)
Ms.K.RAMYA SRI(18761A1227), Mr.K.VENUGOPAL (19765A1203)

Plastic pollution and floating trash in water resources is an ever-growing global problem. The drainage nets or so called "Trash Traps" were placed to reduce the discharge of plastic waste from water resources. Our project main aim to reduce the pollution, in these we are planned to place a "HC-SR04 sensor" which sends the signal in the form of ultrasonic waves through interconnection to the Node-MCU, when the object is identified in between the range of the sensor. Node-MCU transmits the data through cellular network directly to our platform. The collected waste was transported into a sorting facility where the green waste was then converted into mulch and plastics are recycled by machinery. Thus, in this way the pollution can be reduced.

I AM READY TO HELP
Ms.K.YAMINI(18761A1228),Mr.B.VAMSIKRISHNA REDDY(18761A1207),Ms.Y.TARUNI (18761A1259)
Ms.D.DIVYA SREE (18761A1216),Mr.K.JAGADEESH KUMAR (19761A1204)

Our project work is based on website creation.The main motto of our project is to donate books. The people or students who are interested in helping the society can register in our website through particular details. Sothat the people who were registered can participate in the events conducted by our website. The theme of introducing this new idea is to encourage students to help the people who are in need. Through this website the people who are willing to help can register. By this the people can enhance teamwork skill, helping nature, communication skills etc. To

educate the people and their role in the society we came up with this new idea. In this present scenario people who are interested in social service may not find a platform to fulfil their wish. But in this project, we will have many extensions features which are interrelated to one another. This is the best platform to the people who has a wish to help society on the aspect of education. There are many software-based applications to help the children to educate but our application will pave a path about how to educate and the main role is to fulfil the needs of students not in terms of economical but it in terms of knowledge, ideas, views, books etc. As youth are icon of our future generations so everyone should enhance their competitive spirit to run over the world with special skills like communication skills, leadership qualities and responsibilities. As we are citizens of our country one should fulfil their responsibilities in the country. Remembering all this views we came up with project which emphasis the youth role in the society.

A REPORT OF SMART IRRIGATION

K.Mounika(18761A1229),B.P.L.Sripriya(18761A1208),T.Amulya(18761A1254)
V.Suprathika(19765A1205)

Our Project is on "SMART IRRIGATION SYSTEM". This project is developed by implementing Internet Of Things(IoT). An Arduino micro controller is used for the processing of project. This micro controller works using Arduino programming language which is similar to C language is executed in Arduino Software(IDE).The main aim of this project is to make proper use of water for the purpose of agriculture or irrigation.

SMART UMBRELLA

MS.P.VASAVI(18761A1245),MS.B.DEEPIKA(18761A1210),MS.CH.HARIKA(18761A1212)
MR.U.MAHESWAR(18761A1257),MS.V.MOUNIKA(19765A1206)

This project presents the development of a smart umbrella system using IOT, which can measure rainfall and it can predict the weather condition with the notion in your smartphone. It's about the real-time weather condition. In this project, you are going to learn about how to make a smart umbrella using IOT that will be connected to Wi-Fi. It can notify you before about the climate by giving audio output of the weather conditions. Which is being implemented using the smart sensor like

humidity sensor, temperature sensor, Light sensor which will act as Wireless Sensor Network (WSN) and are connected to a single board computer i.e. Raspberry pi which will store all the sensor data using SPI protocol and will send it to the server from where we can get the update of the weather condition at the place you are. A software i.e. ESPEAK will be useful which will give the audio output of the weather condition with a buzzer alert if any unconditional weather. A webpage in made where all the weather conditions will be updated and can be used or can be connected to any device to know the status of that area.

DENSITY-BASED TRAFFIC LIGHT MANAGEMENT SYSTEM

MS.M. NANDINI (18761A1236), MR. B. JITENDRA KUMAR (18761A1209), MR. G. AASRITHA (18761A1220)
MS K. ANOOP (18761A1230)

Traffic can be controlled in several main junctions by incorporating automatic traffic light control. But conventional traffic light system is based on fixed time concept allocated to each side of the junction which cannot be varied as per varying traffic density. Traffic light control systems are widely used to monitor and control the flow of automobiles through the junction of many roads. The passage of emergency vehicles and the pedestrian crossing are not implemented in the existing traffic system. This leads to Traffic jam and congestion. Density-Based Traffic Light Management System is a innovative project. It is an effective traffic signal management project that allows for managing four-way traffic signal that changes automatically on sensing the traffic density at the junction. The system consists of four signals corresponding to each road. We propose a density-based traffic signal scheduling algorithm. The prototype model was developed using IR sensors and Arduino. The system represents the traffic strength of a road graphically using traffic judgments. By measuring the traffic lined up on a particular road the signal timings are adjusted to let that particular way clear out and then the next populated one. The entire system works according to an algorithm that allows for smooth and efficient traffic flow across all four ways. It also consists of an emergency override that allows traffic authorities to remotely let go a particular signal in case an ambulance or important vehicle arrives on that way.

Mini Projects Done by 2017-21(III year) Students

REMOTE CONTROL RICECOOKER USING IOT

Ch.Lalitha Devi (17761A1206),M.DivyaSree (17761A1212),J.Suguna Kumari (17761A1220)
S.Soundarya (17761A1248)

The Internet of Things (IOT) is a system of interrelated computing devices, mechanical and digital machines, objects, animals or people that are provided with unique identifiers and the ability to transfer data over a network without requiring human-to-human or human-to computer interaction. Now a days we are using rice cookers or electric cookers to cook the rice in a short period of time. In this process we have to do it manually that means in presence of human to switch on/off the cooker. Our aim is to develop a project which cooks rice through remote instructions over internet by the help of IOT. This helps users to cook rice easily.

GRAPHICAL IMPLEMENTATION OF STACKS

K. Bhuvana (17761A1221), K. Harika (17761A1224), P. Manoj (17761A1243)
Sk. Mansoor (17761A1252)

This mini project is on "Graphical implementation of stacks". Stack is an Abstract Data Type (ADT), commonly used in most programming languages. It is named stack as it behaves like a real-world stack, for example – a deck of cards or a pile of plates, etc. The main aim of this project is to explain the stacks operations in an easier manner.

BANKING MANAGEMENT SYSTEM

M. Kavya (17761A1234),M. Bhargavi (17761A1235),V.Anusha (17761A1257)
Md. Mohsin Asma (17761A1238)

Banking system in simple words refers to a chain of financial institutions that provide financial services like deposits, loan, money transfer, etc. to individuals and institutions with interest as the determining factor of the transaction. Banking system plays the role of an intermediary between the ones saving and the ones who borrow money for investments. Primary functions: The primary banking functions include two components namely depositing and disbursement of loans. The depositing function of the banking system has come to be highly

developed providing a range of deposit option. Some of the popular deposits are saving deposits, fixed deposits, current deposits and recurring deposits. The agency functions refer to services like funds transfer, cheque collections, portfolio management, etc. performing the role of an agent to the customer. Private Banking - complete asset management of the client. It serves all the financial dealings of the client namely investment, tax planning, securities, etc. Home Banking-it provides banking services to the people at the press of a button, removing the hassles of making errands to the bank for minor services. Mixed Banking-Banking institutions which perform both the functions of commercial i.e. retail as well as the wholesale functions or corporate banking.

GANAPAVARAM VILLAGE PORTAL

G.REVA DEVI (17761A1219),V.SREEJA PRIYA RAJ (17761A1259),
K.GEETHA SUDHA (17761A1222),K.GOWTHAM (17761A1228)

The main aim of this project is to develop a village portal. The problem with the manual system is that there is a high risk of errors in manual work because all the information is maintained in documents, records and in case of an error is obtained it gets tedious to rectify it manually. And also it is always difficult when it comes to complete our work in any government offices, as many of us don't know whom do we need to contact for our work. To overcome this THE VILLAGE PORTAL idea will be taken into reality, where the portal provides all the availability of basic facilities, infrastructure, government policies awareness. It also contains government officer's details so that one can address their problems to respective officer with online interaction.

SCHOOL BILLING SYSTEM

CH.SAI SUDHA SRI (17761A1205),K.HEMA NAGA PADMA (17761A1226),
M.NEERAJA (17761A1233),J.SUGUNA KUMARI (17761A1220)

The purpose of the study was to develop a School management system to assist in the management of Fees and Salary which ease the process of doing this job than earlier pen and paper based management. The school billing system project in C keeps record of all the students, teachers and staffs working in the institution. The program is run by the administrator who can add, record, modify, delete and find records according to the

need .The basic feature of this project is that it shows fees that the student need to pay or dues and advance of the students .It also record the information related to salary that is provided to teachers and staff working in the organisation. Now-a-days this kind of application is very essential for any small or medium sized organisation .An Accountant, regardless of the member of Staff and Student, must maintain all records pertaining to payment/fees system digitally. In addition to that, this mini project in C allows you to display student information, teachers and staffs records.

CUSTOMER BILLING SYSTEM

G.REVA DEVI (17761A1219),CH.LALITHA DEVI (17761A1206)
K.THANMAYEE (17761A1254),S.PUJITHA (17761A1249)

Customer Billing System Project is a simple console application designed to demonstrate the practical use of C programming language and its features as wells as to generate an application which can be used in any departmental store, shops, cafes etc. for billing to the customer. We can use this application to keep the records such as name, address, mobile number, paid amount, due amount, payment date etc. of your regular costumer. Moreover, if you have a new customer, you can add and edit the account at any time. The project can be used in many aspects; firstly the application file generated can be used. Secondly the source code of Customer Billing System project in C can be used to learn C programming and its different features such as use of user defined functions, structures, Files etc.

HOSPITAL MANAGEMENT SYSTEM

P. GAGAN SAI (17761A1242), K. BALAJI (17761A1225), M. SRI VASTHAV (17761A1237)
S. SANJAY BHARGAV (17761A1250)

The purpose of the project entitled as "HOSPITAL MANAGEMENT SYSTEM" is to computerize the Front Office Management of Hospital to develop software which is user friendly simple, fast, and cost – effective. It deals with the collection of patient's information, diagnosis details, etc. Traditionally, it was done manually. The main function of the system is register and store patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully System input contains patient details, diagnosis details, while system output is to get these details on to

the screen. The Hospital Management System can be entered using a user name and password. It is accessible either by an administrator or receptionist. Only they can add data into the database. The data can be retrieved easily. The data are well protected for personal use and makes the data processing very fast.

Internships done by the Students for the Academic Year 2019-20:

ROLL NO	STUDENT NAME	NAME OF THE ORGANISATION & PLACE	FULL NAME OF THE FIELD INTERNSHIP OR PROJECT	DURATION
16761A1255	V.Akhil	Internshala	Introduction to Data Science	19-03-2020 to 30-04-2020
17761A1201	Ambati Harika	Internshala	Introduction to Data Science	15-04-2020 to 27-05-2020
17761A1202	AnusreeNuvulla	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1203	Borra Ramadevi	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1204	BuddeAkhila	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1205	Sai Sudha Sri Challa	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1206	Lalitha Devi Chamallamudi	Internshala	Web Development	15-04-2020 to 27-05-2020

17761A1207	ChembetiLaya	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	02-09-2020 to 02-10-2020
17761A1208	Siva Ram Prasad Cheruku	SRC e-solutions, #54-18-36/2, Radio Colony, 2nd Line, Near Govt ITI, Vijayawada	Machine Learning	05-09-2020 to 20-10-2020
17761A1209	Humanvitha Sai Dharani	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1210	SRI CHARAN SAI NAGA TEJA Dathi	Internshala	Machine learning	15-04-2020 to 27-05-2020
17761A1211	D.Eswar	SRC e-solutions, #54-18-36/2, Radio Colony, 2nd Line, Near Govt ITI, Vijayawada	Web Development	05-09-2020 to 20-10-2020
17761A1212	DivyaSreeMajeti	Internshala	Web Development	15-04-2020 to 27-05-2020
17761A1213	G.Rajagopal	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1214	G.Sowmya Manasa	Internshala	Web Development	15-04-2020 to 27-05-2020
17761A1215	G.Lakshmi	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1216	Gopumruudulasri	Internshala	Machile learning	01-04-2020 to 13-05-2020
17761A1217	LAKSHMAN TEJA GUDIVADA	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020

17761A1218	TarunGuduru	SRC e-solutions, #54-18-36/2, Radio Colony, 2nd Line, Near Govt ITI, Vijayawada	Machine Learning	05-09-2020 to 20-10-2020
17761A1219	Gundreddy Reva Devi	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1220	JONNAKUTI SUGUNA KUMARI	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	industry 4.0	21-08-2020 to 20-09-2020
17761A1221	Naga Venkata Sai BhuvanaKalluri	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on industry 4.0	21-08-2020 to 20-09-2020
17761A1222	K Geetha reddy	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on industry 4.0	21-08-2020 to 20-09-2020
17761A1223	Ketepallijashnavi	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Industry 4.0	21-08-2020 to 20-09-2020
17761A1224	Ketepalli Uma harikka	Internshala	Machine learning	13-04-2020 to 25-05-2020
17761A1225	BALAJI KETHE	Internshala	DATA SCIENCE	15-04-2020 to 27-05-2020
17761A1226	Killampalli Hema Naga Padma	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on industry 4.0	21-08-2020 to 20-09-2020
17761A1227	saipavankumarkokkiri	Indian Servers, Vijayawada, A.P	Web Security Auditing	20-06-2020 to 20-08-2020
17761A1228	Gowtham Kotagiri	Internshsala	Introduction to DATA SCIENCE	01-04-2020 to 13-05-2020

17761A1229	SWARUPA KOTAGIRI	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1230	KOTHURU SAI MOUNIKA	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1231	Vamsi Rudra Varma Kunkalagunta	Internshala	Data Science	15-04-2020 to 27-05-2020
17761A1232	Kurakula Harini	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1233	MagisettiNeeraja Sai	Internshala	Web Development	15-04-2020 to 27-05-2020
17761A1234	MANDA KAVYA	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1235	Mandasu Bhargavi	Internshala	Web Development	15-04-2020 to 27-05-2020
17761A1236	Sai Teja.maturi	Internshala	Data Science	15-04-2020 to 27-05-2020
17761A1237	Mendem.Srivastav	Internshala	Web Development	14-04-2020 to 26-05-2020
17761A1238	Mohammad Mohsin Asma	Internshala	Web development	15-04-2020 to 27-05-2020
17761A1239	MEGHANA MOYYA	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	02-09-2020 to 02-10-2020
17761A1240	Pavan kumarmudigondla	Internshala	Web development	15-04-2020 to 27-05-2020
17761A1241	NidamaneniRajyalakshmi	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online internship on Industry 4.O	21-08-2020 to 20-09-2020
17761A1242	P GAGAN SAI	Internshala	DATA SCIENCE	15-04-2020 to 27-05-2020

17761A1243	Pallapothu Manoj Guptha	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online internship on Industry 4.O	21-08-2020 to 20-09-2020
17761A1244	PeerlaNagulshareef	Internshala	Machine learning	15-04-2020 to 27-05-2020
17761A1245	P. DILEEP SAGAR	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1246	Jaiendra Reddy P	Exposys Data Labs, Yelahanka,Bengaluru, Karnataka 560064	Evaluationary Approach to Handle Multiple Government Schemes Effectively	25-05-2020 to 24-06-2020
17761A1247	RAGINI PUTCHAKAYALA	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1248	Saggurthisoundarya	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1249	Saikam.Pujitha	Internshala	Web Development	13-04-2020 to 25-05-2020
17761A1251	Sai DivyaSeelam	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	02-09-2020 to 02-10-2020
17761A1252	Shaik Mansoor Basha	Internshala	Data Science	15-04-2020 to 27-05-2020
17761A1254	ThanmayeeKoganti	Internshala	Data science	26-06-2020 to 07-08-2020
17761A1255	Gopi sai chandu Tirumalapudi	Internshala	Data science	29-04-2020 to 10-06-2020
17761A1256	Vaishnava Sri Harshini	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020
17761A1257	Varikuti Anusha	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Online Internship on Industry 4.0	21-08-2020 to 20-09-2020

ROLL NO	STUDENT NAME	NAME OF THE ORGANISATION & PLACE	FULL NAME OF THE FIELD INTERNSHIP OR PROJECT	DURATION (From Dt------ to Dt.-----)
17761A1258	Chandra Sekhar Veligandla	SRC e-solutions, #54-18-36/2, Radio Colony, 2nd Line, Near Govt ITI, Vijayawada	Machine Learning	05-09-2020 to 20-10-2020

Industrial Training done by the Studentsfor the Academic Year 2019-20:

ROLL NO	STUDENT NAME	NAME OF THE ORGANISATION & PLACE	FULL NAME OF THE FIELD INTERNSHIP OR PROJECT	DURATION (From Dt------ to Dt.-----)
18761A1201	NAGA CHANDANA ADUSUMALLI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1202	Mounika Aratikatla	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1203	BHAVANA BANDHUCHODE	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1204	BANTHULA THARUN	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Industry 4.0	21/08/2020 to 20/09/2020
18761A1205	DIVYA JYOTHI BAYAGANI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1206	B. Bhavani	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1207	BOGIREDDY VAMSI KRISHNA REDDY	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1208	BOLLA PREETHI LAKSHMI SRI PRIYA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1209	Bubathula Jitendra Kumar	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020

18761A1210	DEEPIKA BUDETI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1211	Chandana Pamidi	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1212	HARIKA CHIMATA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1213	CHITYALA LAVANYA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1214	BHUMIKA DABBUGOTTU	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1215	MANOGNA DARA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1216	DasariDivyaSree	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Industry 4.0	21/08/2020 to 20/09/2020
18761A1217	LAKSHMI SOWMYA DODDA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1218	Chandana SravyaEduvulapati	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1219	ASRITHA GADE	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1220	AasrithaGarimella	Internshala	Ethical Hacking	1/1/2020 to 12/2/2020
18761A1221	GudibandiLikitha Reddy	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1222	GUNADALA MANISHA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1223	Kavya jamapana	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020

18761A1224	JeldiSathvika	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Industry 4.0	21/08/2020 to 20/09/2020
18761A1225	VARUN VAMSI JULURU	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1226	Kaja Devi Divya Sri	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1227	KAMATAM.RAMYA SRI	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Industry 4.0	21/08/2020 to 20/09/2020
18761A1228	Yamini Kethe	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1229	Kota.Mounika	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1230	Kotagiri Anoop	Internshala Trainings	Android app development	26/06/2020 to 21/08/2020
18761A1231	AKHIL KOTHA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1232	Kuppala Uday Naveen	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1234	Maddinenivenkatesh	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1235	Madhu kotnani	Internshala	Data science	14/04/2020 to 26/05/2020
18761A1236	NANDINI MAREEDU	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1238	CHANDANA MUTHYALA	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020

18761A1239	Naguluri.Likhitha	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1241	JAYAVANI PALAGANI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1242	SWATHI LAKSHMI PATHIPATI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1243	Pavuluri Lokesh Sree Babi	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1244	JANAKI NIVAS REDDY PEDDIREDDY	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1245	PONNAM VASAVI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1246	Prasad pulicharla	Internshala	Data science	14/04/2020 to 26/05/2020
18761A1247	LohithaRegalla	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1248	Rokkam Shalini	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1249	SrilekhaReddySagam	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1250	Seelam Venkata Maha Lakshmi	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1251	VASAVI NIHITHA SEEMAKURTHI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1252	Aisha.Shaik	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1253	Shaik Anjum Javeariya	Internshala	Data science	1/1/2020 to 12/4/2020

18761A1254	AMULYA TANNEERU	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1255	TATIKONDA NAGA VIVEK	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1256	Thirunath Rahul Raj	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1257	MAHESHWAR REDDY UPPUTURI	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1258	Vadladi Gayathri	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
18761A1259	TaruniYenumula	GustovalleyTechnovations, Bharathidasan Nagar, Hosur, Krishnagiri, TamilNadu, India.	Industry 4.0	21/08/2020 to 20/09/2020
19765A1201	Amani Basavaraju	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
19765A1202	RavitejaChitta	INTERNSHALA TRAININGS	Programming with Python	1/7/2020 to 12/8/2020
19765A1203	Kantipudi Venugopal	Internshala trainings	Programming with python	1/7/2020 to 14/9/2020
19765A1204	Jagadeesh kumarkoduru	Internshala Trainings	UI/UX Design	23/09/2020 to 4/11/2020
19765A1205	Vajrala.suprathika	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020
19765A1206	Mounika Viswanadhapalli	Swecha, Guntur, AP	Interactive Web Based Simulations for Bala Swecha	17/06/2020 to 12/7/2020

Events Organised in the Department

Six Days Hands on Training in Programming with Python / C
(11-11-2019 to 16-11-2019)

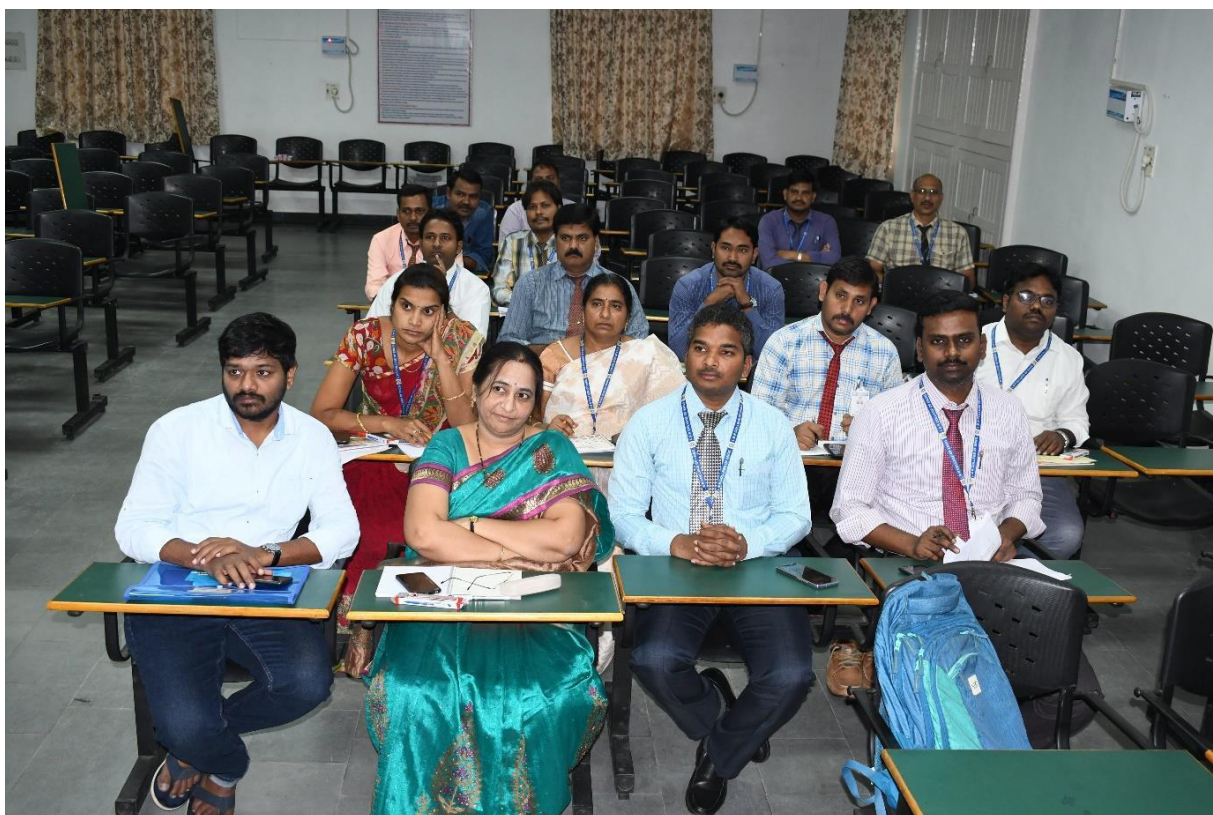|	
Addressing by Dr. B.Srinivasarao, HOD, Department of IT	Practical session at IT Laboratory
Practical session at IT Laboratory	Writing Exam at IT Laboratory

Python Programming – an Industry Perspective
2– 6December, 2019

Dr. Pilli Sudhakar, HOD, CSE addressing the gathering

Dept. of CSE & IT Faculty participated in FDP

Block Chain Technologies (Future of Cyber Security)
24-08-2019

Addressing by Dr.K.Apparao, Principal LBRCE, Mylavaram.

Addressing by Dr. B.Srinivasarao, HOD, Department of IT

Addressing by Dr.S.Naganjaneyulu, Professor, Department of IT

Dr.E.Suresh Babu, Assistant Professor, Department of CSE, NIT Warangal.

Feedback by Student (Chandana)

Guest Felicitation by Faculty

TECHNOLOGY IS USED
EVERY DAY
IN EVERY FIELD
IN EVERYTHING WE DO!

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
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L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India