



TECH ERA

STUDENT **TECHNICAL MAGAZINE**

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DEPARTMENT OF IT (LBRCE)

VOLUME – VIII

2022 - 2023, ISSUE – 1

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FORE WORD

Department of Information Technology involves researching, designing, developing in current trends of computing systems. It gave me great satisfaction to know that department has come up with its own magazine, "Tech- Era". The way they presented it was unique, very creative and hope it will serve as a motivational and technological source for the students to exhibit their inherent talents and improve their skills. I would like to express my appreciation to whole team members of Tech-Era including faculty coordinators who really made it possible.



Dr. K. APPA RAO
PRINCIPAL

Congratulate the department of IT, LBRCE for bringing out the prestigious bi-annual magazine, Tech-Era. I am sure that the magazine will provide a platform for students and faculty members to expand their technical knowledge and sharpen their hidden literary talent and also strengthen all round development of the students. My congratulations to the editorial board who took the responsibility for the arduous task Dr. B. Srinivasa Rao most effectively.



Dr. B. Srinivasa Rao
Professor & HOD



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

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L.B. Reddy Nagar, Mylavaram, NTR District, Andhra Pradesh - 521230



DEPARTMENT OF INFORMATION TECHNOLOGY

VISION AND MISSION

DEPARTMENT VISION

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

DEPARTMENT MISSION

DM1: To impart quality education with a well-designed curriculum, consistent with industry requirements, that equips the student to face the career challenges.

DM2.: To extend the student's learning beyond the curriculum, through workshops on cutting edge technologies.

DM3: To strengthen creativity and team spirit of the students by providing a conducive environment, preparing them to face the challenges posed by the IT industry.

DM4: To develop life-long learning, ethics, moral values and spirit of service so as to contribute to society through technology.

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.

PEO2: Exhibit sound knowledge in the fundamentals of Information Technology and apply practical Experience with programming techniques to solve real world problems.

PEO3: Demonstrate self-learning, life-long learning and work in teams on multidisciplinary projects.

PEO4: Understand the professional code of ethics and demonstrate ethical behavior, effective Communication 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, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering 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 modern 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 engineering practice.

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 multidisciplinary 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 independent 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

PSO1: Organize, Analyze and Interpret the data to extract meaningful conclusions.

PSO2: Design, Implement and evaluate a computer-based system to meet desired needs.

PSO3: 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, 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 the IITs & 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.

Consolidated Data

S.NO	Faculty Articles:4	Department Events:6
1	An empirical hybridized Siamese network using hypercube natural aggregation algorithm for handling imbalance data learning	Web Development (Backend Technologies), IT Workshop, power of programming for solving real-world problems
2	Prediction of chronic kidney disease from patient record using ensemble ranking SVM	Cyber Security-Ethical Hacking
3	Supervised Machine Learning Strategy for detection of covid19 patients	CSI-LBRCE STUDENT BRANCH Report on "IT Workshop
4	Smart Farming for Agriculture Management Using IOT	Webinar on Roles involved in transformation of project idea to Project
5		Ten-day workshop on Machine Learning Handon
6		"A SIX DAY ONLINE FDP on MACHINELEARNING IN PRACTICE

Articles Published in Reputed Journals & Conference by the Faculty of Information Technology

An empirical hybridized Siamese network using hypercube natural aggregation algorithm for handling imbalance data learning, Subhashree Rout, Pradeep Kumar Mallick, **Annapareddy VN Reddy**, Meshal Alharbi, Ahmed Alkhayyat, Expert Systems Journal, ISSN:1468-0394, [An empirical hybridized Siamese network using hypercube natural aggregation algorithm for handling imbalance data learning - Rout - Expert Systems - Wiley Online Library](#)

Dealing with imbalanced data is a common challenge in machine learning, where one class has significantly fewer examples than another. Successfully addressing this challenge requires careful consideration of the data, algorithm, and evaluation metrics to ensure that the model accurately predicts the minority class. In this study, we present a hybrid approach called Siamese-HYNAA, which combines a Siamese network and a population-based optimizer hypercube natural aggregation algorithm (HYNAA) to generate candidate solutions for augmenting the minority class. We collected 10 imbalanced datasets ranging from 1.81 to 8.78 imbalanced ratios and built solution pairs based on correctly predicted candidate solutions using support vector machine (SVM). However, we found that SVM predicted only a small number of minority class samples accurately, prompting us to optimize the number of candidate solution pairs using HYNAA to generate more synthetic samples for the Siamese network. We evaluated our proposed strategy against basic SMOTE and our previous work, SMOTE-PSOEV, using various performance measures, including ROC-AUC learning curves, sensitivity, specificity, accuracy, Characteristic stability index, balanced accuracy, F1-score, informedness, markedness, and execution time. Our results indicate that Siamese-HYNAA generates promising results for imbalanced data.

Ananapareddy V. N. Reddy

Prediction of chronic kidney disease from patient record using ensemble ranking SVM, Tatireddy Subba Reddy, **V. V. Krishna Reddy**, R. Vijaya Kumar Reddy, Chandra Sekhar Kolli, V. Sitharamulu & Majjaru Chandrababu, The Imaging Science Journal(Taylor & Francis), ISSN:1368-2199, [SHBO-based U-Net for image segmentation and FSHBO-enabled DBN for classification using hyperspectral image: The Imaging Science Journal: Vol 0, No 0 \(tandfonline.com\)](#)

Hyper spectral imaging (HSI) is an advanced and fascinating remote sensing method in various domains. Every sample in HS remote sensing images possesses high-size features and has a massive amount of spatial and spectral data that enhances the complexity of feature selection and mining. Also, it improves the interpretational complications and thus surpasses the prediction accuracy of the system. To counterpart such issues, this article introduces an innovative system for HSI categorization wielding introduced Fractional Snake Honey Badger Optimization (FSHBO). Here, image segmentation is done through U-Net, which is trained by Snake Honey Badger Optimization (SHBO). The Deep Belief Network (DBN) is employed for HSI classification that outputs the pixel-wise classified result and this DBN is efficiently tuned using the proposed FSHBO. It is recorded that the proposed FSHBO-DBN has outperformed diverse

classical models in terms of accuracy of 0.907, sensitivity of 0.914, and specificity of 0.904.

V. V. Krishna Reddy

Supervised Machine Learning Strategy for detection of covid19 patients, S. Hephzi Punithavathi ,K. Deepa ,**Cheruku Poorna Venkata Srinivasa Rao** ,S. Raja Gopal , P. Rajasekar , Ashok Kumar, 2023 International Conference on Artificial Intelligence and Knowledge Discovery in Concurrent Engineering (ICECONF),Conference Location: Chennai, Supervised Machine Learning Strategy for detection of covid19 patients | IEEE Conference Publication | IEEE Xplore

The current severe acute respiratory syndrome corona virus 2 (SARS-CoV-2) public health catastrophe, both human lives have been lost and the economy has disrupted severely the current scenario. In this paper, we develop a detection module using a series of steps that involves pre-processing, feature extraction and detection of covid-19 patients based on the images collected from the computerized tomography (CT) images. The images are initially pre-processed and then the features are extracted using Gray Level Co-occurrence Matrix (GLCM) and then finally classified using back propagation neural network (BPNN). The simulation is conducted to test the efficacy of the model against various CT image datasets of numerous patients. The results of simulation shows that the proposed method achieves higher detection rate, and reduced mean average percentage error (MAPE) than other existing methodologies.

Cheruku Poorna Venkata Srinivasa Rao

Smart Farming for Agriculture Management Using IOT, G Balu Narasimha Rao,K Venkateswara Rao,**Raviteja kamarajugadda**,Avuthu Avinash Reddy,P Padmini Rani, 2023 9th International Conference on Advanced Computing and Communication Systems (ICACCS), Conference Location: Chennai, Smart Farming for Agriculture Management Using IOT | IEEE Conference Publication | IEEE Xplore.

Nowadays, in most countries, the most dangerous and life threatening infection is Chronic Kidney Disease (CKD). A progressive malfunctioning of the kidneys and less effectiveness of the kidney are considered CKD. CKD can be a life threatening disease if it continues for longer period of time. Prediction of chronic disease in early stage is very crucial so that sustainable care of the patient is taken to prevent menacing situations. Most of the developing countries are being affected by this deadly disease and treatment applied for this disease is also very expensive, here in this paper, a Machine Learning (ML)-positioned approach called Neuro-Fuzzy model is used for prediction belonging to CKD. Based on the image processing technique, fibrosis proportions are detected in the kidney tissues. It also builds a system for identifying and detection of CKD at an early stage. Neuro-Fuzzy model is based on ML which can detect risk of CKD patients. Compared with other conventional methods such as Support Vector Machine (SVM) and K-Nearest Neighbor (KNN), the proposed method of this paper — ML-based Neuro-Fuzzy logic method — obtained 97% accuracy in CKD prediction. This method can be evaluated based on various parameters such as Precision, Accuracy, Recall and F1-Score in CKD prediction. From the results, the patients having high risk of chronic disease can be predicted.

Raviteja kamarajugadda

DETAILS OF PATENTS:

An AI-based System for Enhancing Conversational Abilities and Personality Development and Method Thereof	Lakireddy Bali Reddy College of Engineering (Autonomous) Dr. Satuluri Naganjaneyulu Mrs. R. Pavithra Mr. M. Vijay Kumar Mr. K. Rajasekhar Mr. Md. RehanaBegum Ms. M. Likhita Mrs. J. GeethaRenuka Mrs. D. Vijaya Sree Mr. Ch. SambasivaRao Mrs. KallamHemanthi	202341007075	03/02/2023	24/02/2023
Artificial Intelligence (AI) Based Pedagogical System for Progressive Skill Development	Lakireddy Bali Reddy College of Engineering (Autonomous) Mr.G. Rajendra Dr. Buraga. Srinivasa Rao Mr.Cheruku PoornaVenkataSrinivasa Rao Mr.P.V.V.S.D. Nagendrudu Mr.A.Gopi Suresh Mr.Rajesh Reddy Muley Mr.K.Ravi Teja Mr.B. Deepak Raj Mr.Shake Saida Dr. K. VenuGopal	202341007077	03/02/2023	24/02/2023

EVENTS CONDUCTED BY THE DEPARTMENT:

Web Development (Backend Technologies), IT Workshop, power of programming for solving real-world problems

02-06-2023 to 17-02-2023 Ten days Workshop on Web Development (Backend Technologies)...

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Resource Persons:
Mr. Jagadeesh Sai, Sr Web Developer,
Wipro Technologies, Hyderabad.

Eligibility:

- All the II-year students

Registration Fee Particulars:

- Registration Fee: 500/-
- Registration for the Program may be done through OFFLINE.

Important Dates:
Last Date for Registration: 04/2/2023

Coordinator:
D. Vijaya Sree
Asst. Prof. Dept. of IT
Cell: 9032530443
Email: devineni66@gmail.com

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- Dr. S. Naganjaneyulu, Professor, IT

Coordinators:

- Dr. B. Srinivasa Rao, HoD, IT
- Dr. K. Venu Gopal
- Mr. K. Phaneendra
- Mr. V. V. Krishna Reddy
- Mrs. D. Vijaya Sree

TEN DAYS WORKSHOP
in Association with
CSI-LBRCE Student Branch
on
Web Development (Backend Technologies)
(6th February - 15th February 2023)

Express JS
node mongoDB

Organized by:
Department of
Information Technology

nif
Quality Standard: 221-300
(India Rankings 2022)

NBA
(Under Tier-II)

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INVITATION



INAUGURATION

Of

Ten Days Work Shop
on

“Web Technologies”

(06-02-2023 to 17-02-2023)

Date & Venue

6th February 2023, Monday - 09:30 A.M
CI Lab, Ground Floor, IT Dept (Block-5)

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Sri L. Vijay Kumar Reddy, Co-Chairman

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Conveners

Dr. B. Srinivasa Rao, Professor & HOD, Dept. of IT
Dr. S. Naganjaneyulu, Professor, Dept. of IT

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Dr. B Srinivasa Rao, Dept of IT
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Mr K. Phaneendra, Dept of IT
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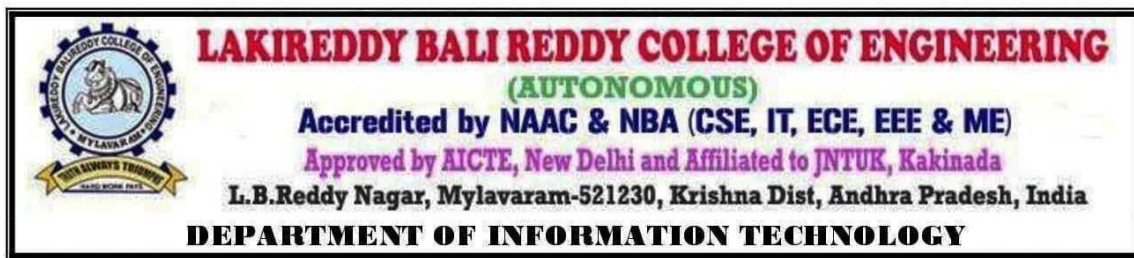
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Schedule for Ten Days Workshop on

DATE: 03-02-2023

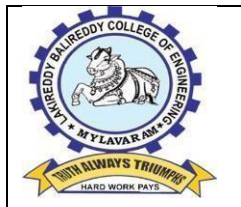
Web Application Development (Backend Technologies)

Class: II Year IV Sem Sec-A&B

A.Y: 2022-23

The following is the schedule for **Ten Days Workshop on Web Application Development (Backend Technologies)** to be held from **6-02-2023 to 17-02-2023** in **Computational Intelligence Lab**.

Date	Session	Topic	Name of the Resource Person
06-02-2023 (Monday)	F.N	The Basics of React JS	Mr Jagadeesh Sai, Wipro Software Solutions, Hyderabad.
	A.N	App Creation using React JS	
7-02-2023 (Tuesday)	F.N	JS Expressions (JSX)	
	A.N	Adding External CSS	
8-02-2023 (Wednesday)	F.N	Functional Components	
	A.N	Class Components	
9-02-2023 (Thursday)	F.N	About Hooks	
	A.N	life Cycle of components	
10-02-2023 (Friday)	F.N	Routing In React	
	A.N	Styled Components	
11-02-2023 (Saturday)	F.N	Creation of Navbar	
	A.N	Creation of Footer	
13-02-2023 (Monday)	F.N	Node JS	
	A.N	Forms	
14-02-2023 (Tuesday)	F.N	Introduction to Express JS	
	A.N	Usage of Express JS	
15-02-2023 (Wednesday)	F.N	Introduction to MongoDB	
	A.N	CURD Operations	
16-02-2023 (Thursday)	F.N	Connection Establishment	
	A.N	Simple Project	
17-02-2023 (Friday)	F.N	Simple Project	
	A.N	Valedictory and Certificate Distribution	



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DEPARTMENT OF INFORMATION TECHNOLOGY

**Report on “Value Added Course on Web Application
Development(Backend Technologies)”**

Type of Event: Workshop

Date/ Duration: 6-02-2023 to 17-02-2023 / 10 Days

Resource Person(s): Mr. Jagadeesh, Wipro Limited

Name of the Coordinator(s): Dr. B Srinivasa Rao, IT Dept., LBRCE,
Dr. K. Venu Gopal, IT Dept., LBRCE,
Mr K. Phaneendra, IT Dept., LBRCE,
Mr. V. V. Krishna Reddy, IT Dept., LBRCE,
Mrs. D. Vijaya Sree , IT Dept., LBRCE.

Target Audience: II Year B.Tech Students of IT.

Total no of Participants: 90

Objective of the event:

The Department of Information Technology, LBRCE, has organized a value added course on Web Application Development such as React JS, Node JS, Express JS, Mango DB for a duration of 10 days i.e., from 6-02-2023 to 17-02-2023 The second year students are the target audience. The main objective of this event is to introduce these students to the concepts of Web Application development and key technologies that are widely used in the software industries. The program was inaugurated by Dr. B Srinivasarao, HOD, Dept. of IT and Dr. S. Naganjaneyulu, Dept. of IT, LBRCE. The core objective of this workshop is to train the students to build websites of different kinds such as a school fee payment and producing bill in online, shopping website, etc. Since this is an session on Web Application Development(Back end technologies) which are attended by second year students.

Schedule of the event: Day wise schedule was given below and each and every day the related concepts are applied through conducting practical implementation sessions.

Day-1: Basic to Intermediate React JS

- Explained the use of React JS
- Explained the Basics of React JS
- App Creation Using React JS
- Rendering the data on to the Browser using React JS
- Two Simple Projects to show data on to the browser

Day-2: Extended the Explanation In React JS

- Adding the images to the Browser
- Variables of JS in React JS

- JS Expressions(JSX)
- Adding External CSS

Day-3: Functional and Class Components

- Explained about Functional Components in detailed
- How to use props
- Explained about Class Components in detailed
- A Simple Project On Functional and Class components to create Cards
- Explained about Grid and Border Layouts

Day-4: About Hooks And life Cycle of components

- Explained about Hooks and usage
- Explained about useState ,useEffect, useContext Hooks
- About life cycle of components

Day-5: Routing In React And Styled Components

- Explained about routing and routing in react in react-router-dom
- Explained about Styled Components
- Assigned A Mini-Project Using React JS

Day-6: Creation Of Navbar and Footer

- How to Create Navbar, Footer
- Creation Of Slide Show in different ways

Day-7: Node JS and Forms

- Explained about use of Node JS
- How to Run JS using Node JS
- CURD Operations on File System using Node JS

Day-8: Introduction to Express JS

- Doubts Clarified on Node JS
- Explained in detailed about Express JS
- How to use Express JS

Day-9: Introduction to MongoDB

- Installation of MongoDB
- Explained the difference of SQL and NoSQL Data Base
- Use of MongoDB
- Explained CURD Operations using commands
- Explained CURD Operations using MongoDB Compass

Day-10: Connection Establishment

- How to connect the Front End with Back End using Express JS
- Given a project about the completed concepts

Feedback/ suggestions

1. Successfully learnt about the basics of Web Pages. Developing web pages of their own using HTML, CSS and JS.
2. The number of practice hours could be more.
3. Successfully learnt basic concepts on react-js and can develop a min-project on react-js.

Photographs and Press clippings:



Glimpse of the Event

యల్.బి.ఆర్.సి.ఈ ఇన్ఫర్మేషన్ టెక్నాలజీ లో ముగిసిన వెబ్ డెవలప్మెంట్ వర్క్ షాప్



ఫైలవరం, ఫిబ్రవరి 16, శ్రీ విజయ న్యూస్ : స్థానిక లలితద్వీప బారిద్ది ఇంజనీరింగ్ కళాశాలలో ఇన్ఫర్మేషన్ టెక్నాలజీ మరియు యల్.బి.ఆర్.సి.ఈ స్టూడెంట్స్ ద్వారా వారి ఆధ్వర్యంలో ద్వితీయ సంవత్సరం చదువుతున్న విద్యార్థులకు గత పది రోజులుగా వెబ్ డెవలప్మెంట్ (బ్యాంకెడ్ టెక్నాలజీస్), ఐటి వర్క్ షాప్ (పవర్ ఆఫ్ ట్రోగ్రామింగ్ ఫర్ సాల్వింగ్ రియల్ వరల్డ్ ప్రాబ్లమ్స్) శుక్రవారం ముగిసినట్లు కళాశాల ప్రెసిడెంట్ డా.కె.అప్పారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఈ వర్క్ షాప్ లో విద్యార్థులకు వెబ్ డిజైన్ ను ఎలా డిజైన్ చేయాలి దానికి అనుగుణంగా కావాల్సిన సాంకేతికతలైన రియల్ టైమ్ జెయిన్, నోడ్ జెయిన్, ఎక్స్ ప్రెస్ జెయిన్, మాంగోడిబి అనే డేటాబేస్ ను ట్రైన్ అగడష్, సాఫ్ట్ వేర్, విజ్ఞాన టెక్నాలజీస్ వారు శిక్షణ ఇచ్చారని ప్రెసిడెంట్ తెలియజేశారు. అలాగే వారి వెబ్ సైట్ లను పరిశీలించడం జరిగిందని పేర్కొన్నారు. అనంతరం ఐటి విభాగాధిపతి డా.బి.శ్రీనివాస రావు గారు మాట్లాడుతూ కంపెనీలు తమ వ్యాపారం కోసం స్పష్టమైన బ్రాండ్లను, ఉత్పత్తులను కష్టపడతూ చూపించడానికి కంపెనీ విధి విధానాలను నిర్వహించడానికి ఐటి ఎంతో ఉపయోగపడుతుందని పేర్కొన్నారు. ఇందులో భాగంగా డిజిటల్ మార్కెటింగ్ పూర్వం, ఆలోచనపై పనితీరు, ఈ మెయిల్ మార్కెటింగ్ యొక్క ప్రాముఖ్యతని తెలియజేయడం జరిగింది ఈ కార్యక్రమంలో విద్యార్థిని, విద్యార్థులు మరియు అధ్యాపక బృందం పాల్గొన్నారు.

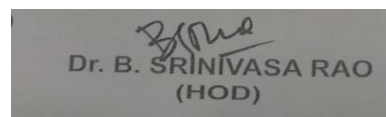
ఇన్ఫర్మేషన్ టెక్నాలజీ పై ముగిసిన వెబ్ డెవలప్మెంట్ వర్క్ షాప్

నమస్తే, శ్రీశీల న్యూస్, ఫైలవరం: స్థానిక లలితద్వీప బారిద్ది ఇంజనీరింగ్ కళాశాలలో ఇన్ఫర్మేషన్ టెక్నాలజీ, యల్.బి.ఆర్.సి.ఈ స్టూడెంట్స్ ద్వారా వారి ఆధ్వర్యంలో గత పది రోజులుగా జరుగుతున్న వర్క్ షాప్ గురువారం ముగిసింది. కళాశాలలో ద్వితీయ సంవత్సరం చదువుకున్న విద్యార్థులకు గత పది రోజులుగా వెబ్ డెవలప్మెంట్, ఐటి వర్క్ షాప్ ముగిసినట్లు కళాశాల ప్రెసిడెంట్ డా.కె.అప్పారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ వర్క్ షాప్ లో విద్యార్థులకు వెబ్ డిజైన్ ను ఎలా డిజైన్ చేయాలి, దానికి అనుగుణంగా కావాల్సిన సాంకేతికతలైన రియల్ టైమ్ జెయిన్, నోడ్ జెయిన్, ఎక్స్ ప్రెస్ జెయిన్, మాంగోడిబి అనే డేటాబేస్ ను విజ్ఞాన టెక్నాలజీస్ కు చెందిన ట్రైన్ అగడష్, శిక్షణ ఇచ్చినట్లు ప్రెసిడెంట్ తెలియజేశారు. ఐటి విభాగాధిపతి డా.బి.శ్రీనివాస రావు మాట్లాడుతూ కంపెనీలు తమ వ్యాపారం కోసం స్పష్టమైన బ్రాండ్లను, ఉత్పత్తులను వినియోగదారులకు చూపించడానికి కంపెనీ విధి విధానాలను నిర్వహించడానికి ఐటి ఎంతో ఉపయోగపడుతుందని పేర్కొన్నారు. ఇందులో భాగంగా డిజిటల్ మార్కెటింగ్ పూర్వం, ఆలోచనపై పనితీరు, ఈ మెయిల్ మార్కెటింగ్ యొక్క ప్రాముఖ్యతని తెలియజేశారు. కార్యక్రమంలో అధ్యాపక బృందం, విద్యార్థిని, విద్యార్థులు, బృందం పాల్గొన్నారు.

యల్.బి.ఆర్.సి.ఈ ఇన్ఫర్మేషన్ టెక్నాలజీలో ముగిసిన వెబ్ డెవలప్మెంట్ వర్క్ షాప్

(బాప్రతి నయం): స్థానిక లలితద్వీప బారిద్ది ఇంజనీరింగ్ కళాశాలలో ఇన్ఫర్మేషన్ టెక్నాలజీ మరియు యల్.బి.ఆర్.సి.ఈ స్టూడెంట్స్ ద్వారా వారి ఆధ్వర్యంలో ద్వితీయ సంవత్సరం చదువుతున్న విద్యార్థులకు గత పది రోజులుగా వెబ్ డెవలప్మెంట్ (బ్యాంకెడ్ టెక్నాలజీస్), ఐటి వర్క్ షాప్ (పవర్ ఆఫ్ ట్రోగ్రామింగ్ ఫర్ సాల్వింగ్ రియల్ వరల్డ్ ప్రాబ్లమ్స్) శుక్రవారం ముగిసినట్లు కళాశాల ప్రెసిడెంట్ డా.కె.అప్పారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఈ వర్క్ షాప్ లో విద్యార్థులకు వెబ్ డిజైన్ ను ఎలా డిజైన్ చేయాలి దానికి అనుగుణంగా కావాల్సిన సాంకేతికతలైన రియల్ టైమ్ జెయిన్, నోడ్ జెయిన్, ఎక్స్ ప్రెస్ జెయిన్, మాంగోడిబి అనే డేటాబేస్ ను విజ్ఞాన టెక్నాలజీస్ వారు శిక్షణ ఇచ్చారని ప్రెసిడెంట్ తెలియజేశారు. అలాగే వారి వెబ్ సైట్ లను పరిశీలించడం జరిగిందని తెలిపారు. అనంతరం ఐటి విభాగాధిపతి డా.బి.శ్రీనివాస రావు మాట్లాడుతూ కంపెనీలు తమ వ్యాపారం కోసం స్పష్టమైన బ్రాండ్లను, ఉత్పత్తులను కష్టపడతూ చూపించడానికి కంపెనీ విధి విధానాలను నిర్వహించడానికి ఐటి ఎంతో ఉపయోగపడుతుందని పేర్కొన్నారు. ఇందులో భాగంగా డిజిటల్ మార్కెటింగ్ పూర్వం, ఆలోచనపై పనితీరు, ఈ మెయిల్ మార్కెటింగ్ యొక్క ప్రాముఖ్యతని తెలియజేయడం జరిగింది. ఈ కార్యక్రమంలో విద్యార్థిని, విద్యార్థులు మరియు అధ్యాపక బృందం పాల్గొన్నారు.

Press News



Head of the Department



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

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DEPARTMENT OF INFORMATION TECHNOLOGY

“Report on Cyber Security-Ethical Hacking”

Event Type	: Workshop
Date(s)	: 03 rd and 04 th January 2023.
Venue	: SRK Hall ,2 nd Floor, Admin Block.
Resource Person	: Mr. .D. Sai Satish, C.E.O, INDIAN SERVERS.
Name of the Convener(s)	: Dr.D. Veeraiah, HoD, Department of CSE Dr.B.Srinivas Rao,HoD,Department Of IT Dr .O. Rama Devi, HoD, Department of AI & DS
Name of the Co-ordinator(s)	: Mr. T.N.V.S Praveen, Sr. Asst Prof, Dept of CSE Mr . Ch. Sambasiva Rao, Sr.Asst Prof, Dept of IT Mr.K. Venkatesh, Asst Prof, Dept of AI&DS
Name of the Co-Coordinator(s)	: Mr.P. Nagababu, Asst.Prof, Dept of CSE Mr. Ch.Srinivasa Rao, Asst.Prof, Dept of CSE Mr.Sk. Saida, Asst.Prof, Dept of IT Mrs.T.Rajarajeswari, Sr.Asst Prof, Dept of AI&DS
Target Audience	: B. Tech VI Sem CSE,IT and AI & DS
Total no. of Students	: 313 Students.

Objective of the Event:

This Program is designed to mainly Train and Develop III Year Students of CSE,IT and AI&DS to provide the basic concepts of Cyber Security and Ethical Hacking like Malware Analysis Tools, OWASP top 10, Pen testing Tools.

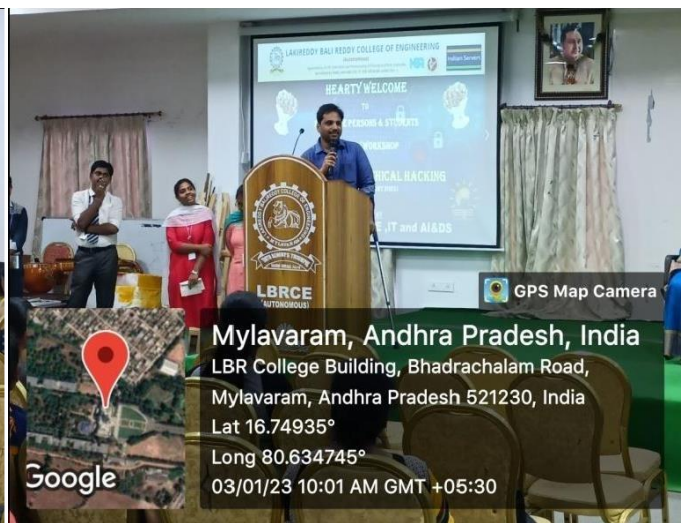
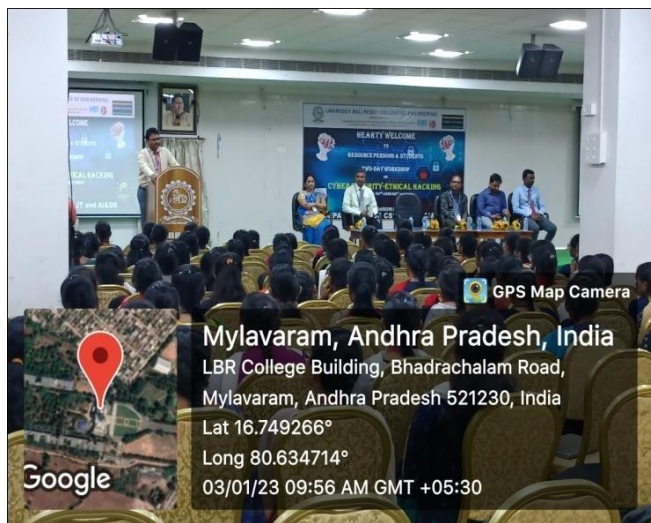
Outcome of the Event:

The Students are exposed to latest Cyber-attacks, like OTP bypassing, TOP 10 OWASP, Windows 11 OS password cracking. They will learn how to detect and defend from Cyber attacks, they will have hands on experience on various attacking tools for DOS, Brute Force attacks, Data tampering etc..

Description of the Event:

Day 1: 03rd January 2023.

- Workshop was inaugurated on 03/01/2023 by Dr. K. Appa Rao, Principal, Dr.M.Srinivasa Rao, Dean of Academics, Dr. D. Veeraiah, HOD – CSE, Dr.B.Srinivasa Rao, HOD-IT, and Dr.O. Rama Devi, HOD–AI&DS, Convener(s) of workshop, along with Mr.D.Sai Satish, CEO, Indian Servers, Vijayawada and Coordinators of the workshop along with all the Teaching faculty of CSE,IT and AI&DS.
- Resource Person Mr.D.Sai Satish started workshop and explained Cyber security Basics and Ethical Hacking tools like as Malware Analysis Tools, OWASP top 10, Pen testing Tools along with Hands-on session.



Day 2: 04th January 2023

- Resource Person Mr .D. Sai Satish Covered various tools and he practically hacked two to three sites to show students that how the websites and laptops can be hacked and controlled by the Hackers.
- He picked few students laptops and without their knowledge he hacked their systems and he elaborated students as how to be cautious for the attacks.

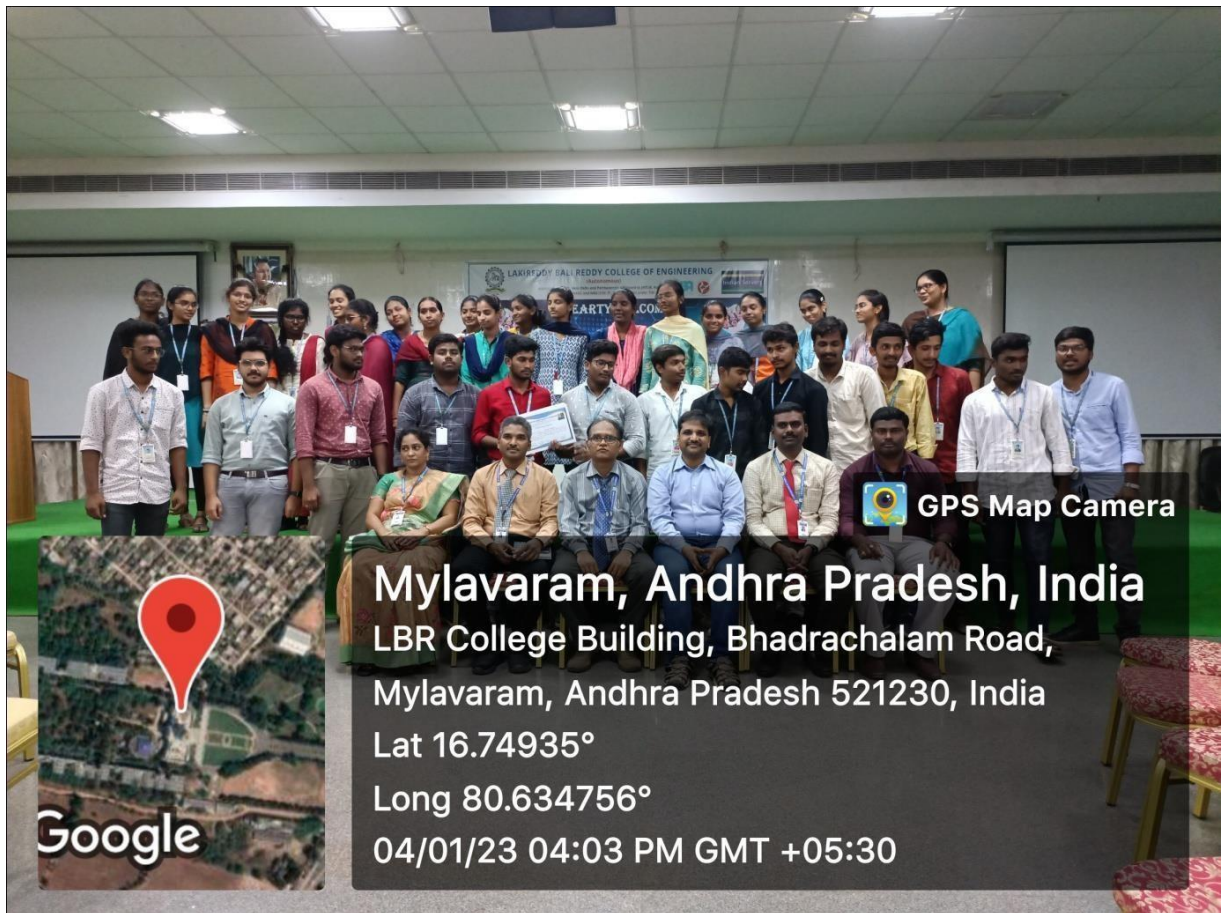


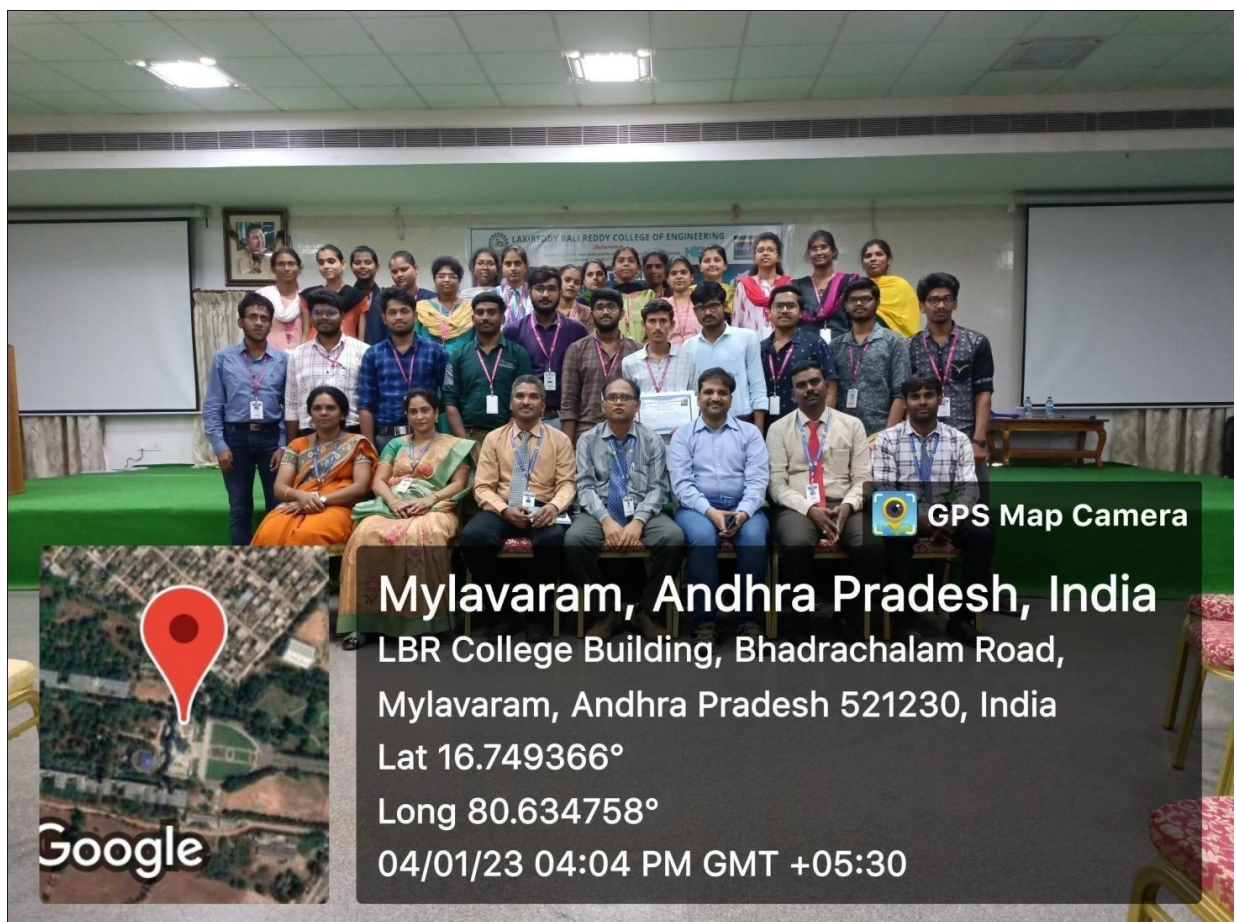
Certificate Distributions:

- Resource Person Mr .D. Sai Satish Picked 8 to 10 top performers from all the three branches and distributed certificates to them.









Impact Analysis:

- Students are motivated to learn Cyber Security and Ethical hacking.
- Students came to know the responsibility of a product-based company & Service based company.
- Student s came to know about various Hacking Tools ,Techniques for interview in Cyber security and Ethical hacking.

Feedback & Suggestions:

- We thoroughly enjoyed the workshop
- By attending this Workshop, we came to know the role of the Cyber Security companies.
- We got to know the different challenges one can face in Industry.
- We got to know how to use hacking technique and Security tools.

Press Report :

నయనమ్

4 - 1 - 2023 బుధవారం

యల్.బి.ర్.సి.ఈ (అటానేమన్) నేందు CSE, IT మరియు AI & DS విభాగాల ఆధ్వర్యంలో “సైబర్ సెక్యూరిటీ, ఎథికల్ హాకింగ్” లో 2 రోజుల వేర్క్ షాప్



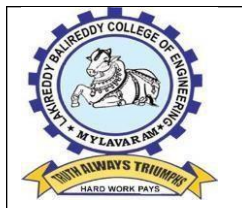
విశాఖ, (వార్తన నయనమ్): స్థానిక లకిరెడ్డి బాలిరెడ్డి ఇండిసిరింగ్ కళాశాలలో CSE, IT మరియు AI&DS విభాగం ఆధ్వర్యంలో “సైబర్ సెక్యూరిటీ మరియు ఎథికల్ హాకింగ్” అనే అంశంపై తృతీయ సంవత్సరం విద్యార్థిని విద్యార్థులకు రెండు రోజుల వర్క్ షాప్ (ది:03-01-2023 నుండి 04-01-2023) నిర్వహిస్తున్నారు. ఈ వర్క్ షాప్ కు సాయి సతీష్, సీఈఓ ఇండియన్ సర్క్యూర్స్, ముఖ్య అతిథిగా విచ్చేసారు. ఈ సందర్భంగా మాట్లాడుతూ,రెండు రోజులు విద్యార్థులు సైబర్ సెక్యూరిటీ మరియు ఎథికల్ హాకింగ్ లో అన్ని కీలక అంశాలను వారి లాప్ టాప్ లలో నేర్చుకొనునని, ఈ రోజుల్లో సైబర్ దాడుల గురించి విజ్ఞానం ఎంతో అవసరం, అ దాడులను ఎదుర్కొనుటలో విద్యార్థులు చైతన్యం పొందడం ఎంతో అవసరమైన ప్రక్రియ అని తెలిపారు. హాకింగ్ అనేది ఎథికల్ మరియు ఎథికల్ కాకుండా జరిగే ఒక విశిష్ట సాంకేతిక నిపుణత. ఈ ప్రక్రియలు ఎంతో నిపుణత కలిగిన వ్యక్తులే చేయగలరు. ఈ అంశాలలో వున్న సాఫ్ట్వేర్ ని విద్యార్థులకు పరిచయం చేయడం ద్వారా వారు సమాజములో వచ్చే సైబర్ నేరాలను తమంతట తామే గుర్తించి తగిన చర్యలు తీసుకోవడానికి ఎంతో దోహద పడుతుందని మరియు విద్యార్థులు ఈ అంశంలో ఎక్కువగా ప్రయోగాత్మక అంశాలపై దృష్టి పెడితే ఐటి రంగంలో అపార అవకాశాలను మన దేశంలోనే కాదు విదేశాల్లో కూడా పొందవచ్చునని తెలిపారు. ఈ కార్యక్రమంలో కళాశాల చైన్ ప్రెసిడెంట్ డా.కె.అప్పారావు, డీన్ అకాడెమిక్స్ డా.ఎం.శ్రీనివాసరావు, కన్వీనర్లుగా C.S.E విభాగాధిపతి డా.డి. వీరయ్య, I.T విభాగాధిపతి డా.బి. శ్రీనివాసరావు, AI & DS విభాగాధిపతి డా.ఓ.రమాదేవి, కో ఆర్డినేటర్లుగా డి.ఎస్.వి.ఎస్. ప్రవీణ్, సిహెచ్. సాంబశివరావు, కె.వెంకటేశ్, అధ్యాపకులు కో- కో ఆర్డినేటర్లుగా పి.నాగబాబు, సి.హెచ్ శ్రీనివాసరావు, ఎస్.కే.పైదా, డి.రాజరాజేశ్వరి మరియు విద్యార్థిని, విద్యార్థులు పాల్గొన్నారు.

ಸ್ವಿಡರ್ ಸೆರಾಲಪ್ಪ ಅವೆಗಾಹನೆ ಕೆಲಗಿ ಕುಂಡಾಲಿ..



వివరాలు, కృత్యక్రమం : సైబర్ నేరాలపై ప్రతి ఒక్కరూ అవగాహన కలిగి ఉండాలి, అందుకోసం వర్తమా సీట్లో శ్రీ సాయి సెనేట్ అవ్వాలి. స్టాంప్ ఉత్పత్తికి దారితీసి అంటే రెండు రోజులలో సివిల్స్, ఇ.టి., ఎం.ఇ.ఆర్.టి.ఎస్. విభాగాల ఉద్యోగులలో ముగిసేవారు.

Head of the Department



**LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)**

L.B. REDDY NAGAR, MYLAVARAM - 521230. A.P. INDIA
Affiliated to JNTUK Kakinada & Approved by AICTE, New Delhi
Accredited By NAAC, Accredited By NBA Tier-I & Certified by ISO 9001:2015
DEPARTMENT OF INFORMATION TECHNOLOGY

CSI-LBRCE STUDENT BRANCH

Report on “IT Workshop”

Type of Event:

Workshop

Date/ Duration:

07-02-2023 to 09-02-2023/ 3 Days

Resource Person(s):

Mr.Md.Siraj.IT Dept,LBRCE
Ms.R.Mounika.IT Dept,LBRCE
Ms.A.Sri Lakshmi,IT Dept,LBRCE
Mr.K.Chinna Babu,IT Dept,LBRCE

Name of the Coordinator(s): Dr.S.Naganjaneyulu, IT Dept., LBRCE,

Mrs S. Jyothi, IT Dept., LBRCE,

Mrs. R. Pavithra, IT Dept., LBRCE,

Target Audience:

II Year B.Tech Students of IT.

Total no of Participants: 54

Objective of the event:

The Department of Information Technology, LBRCE, has organized a IT Workshop on basic hardware components, and on MS Office(Ms.Word,Ms.Excel,PPT).The second year students are the target audience. The main objective of this event is to introduce the concepts of IT workshop is to learn about hardware components, and MSOffice(Ms.Word, Ms.Excel and how to do PPT). The program was inaugurated by Dr. B Srinivasarao, HOD, Dept. of IT and Dr. S. Naganjaneyulu, Dept. of IT, LBRCE. The core objective of this workshop is to train the students to make the reports, Excel Calculations, doing PPT.

Schedule of the event:Day wise schedule was given below and each and every day the related concepts are applied through conducting practical implementation sessions.

Day-1: Basic to HardWare Componets & Ms.Word

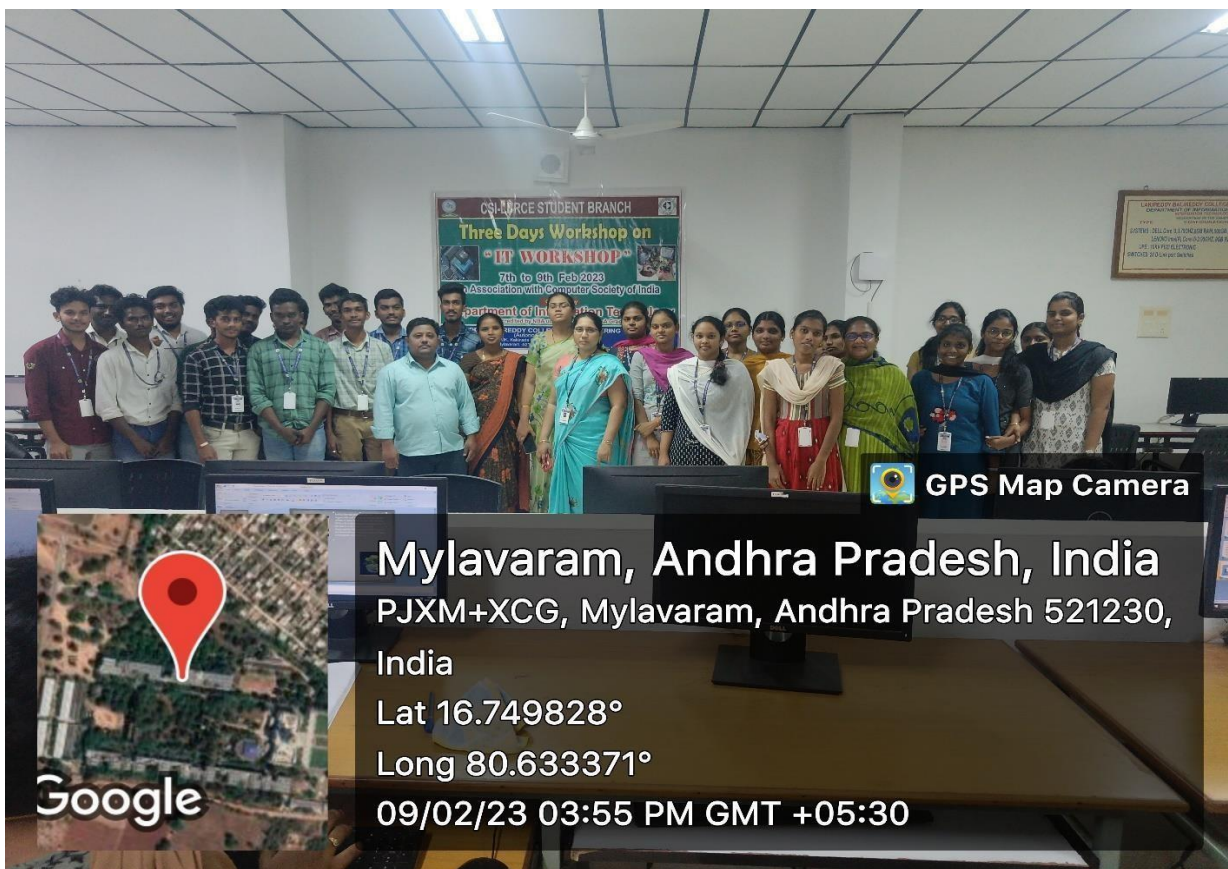
- Detailed discussion on hardware components.
- Basics of Ms.Word

Day-2: Ms.Word & Ms.Excel

- Detailed discussion about on Ms.Word and its Functions and practice some exercises on Ms.Word.
- Basics of Ms.Excel and its shortcut keys.

Day-3: Ms.Excel & PPT

- Detailed discussion about about Ms.Excel and its functions and formulas and practice some exerciseon Ms.Excel.
- Detailed discussion about how to do PPT.



Feedback/ suggestions

1. Successfully learnt about the Ms Word, Ms Excel,PPT. They can able to do report,PPT,Excel.
2. The number of practice hours could be more.

Merit Students:

SNO	RollNumber	Name
1	<u>22765A1201</u>	<u>GNV Sabarish</u>
2	<u>21761A1244</u>	<u>P Devika Naga Sai</u>
3	<u>21761A1252</u>	<u>S Devi Priya</u>
4	<u>21761A1289</u>	<u>G Yamini</u>
5	<u>21761A12A4</u>	<u>N Charani Sevitha</u>
6	<u>21765A1203</u>	<u>K Sai Sudheer</u>

Photographs and Press Clippings of the event:

యల్.బి.ఆర్.సి.ఈ ఇన్స్పెక్షన్ టెక్నాలజీలో ముగిసిన వెబ్ డెవలప్మెంట్ వర్క్ షాప్

యల్.బి.ఆర్.సి.ఈ ఇన్స్పెక్షన్ టెక్నాలజీ
లో ముగిసిన వెబ్ డెవలప్మెంట్ వర్క్ షాప్



(వాస్తవ సయతమే): స్థానిక లకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో అనే డేటాబేస్ ను ట్రైనర్ జగదీష్, సాఫ్ట్వేర్, విప్రో టెక్నాలజీస్ వారు ఇన్స్పెక్షన్ టెక్నాలజీ మరియు యల్.బి.ఆర్.సి.ఈ స్టూడెంట్స్ చాప్టర్ శిక్షణ ఇచ్చారని ప్రెస్సిఫాల్ తెలియచేసారు. అలాగే వారి వెబ్ సైట్ వారి ఆధ్వర్యంలో ద్వితీయ సంవత్సరం చదువుతున్న విద్యార్థులకు గత పది రోజులుగా వెబ్ డెవలప్మెంట్ (బ్యాంకేట్ టెక్నాలజీస్), ఐటి వర్క్ షాప్ (పవర్ ఆఫ్ ట్రోగ్రామింగ్ ఫర్ సార్టింగ్ రియల్ వరల్డ్ ప్రాజెక్టు) శుక్రవారం ముగిసినట్లు కళాశాల ప్రెస్సిఫాల్ దా.కె.అప్పారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ దా.బి.శ్రీనివాస రావు మాట్లాడుతూ కంపెనీలు తమ వ్యాపారం కోసం స్పష్టమైన బ్రాండ్లను, ఉత్పత్తులను చూపించడానికి కంపెనీ విధి విధానాలను నిర్వహించడానికి ఇది ఎంతో ఉపయోగపడుతుంది పేర్కొన్నారు. ఇందులో భాగంగా డిజిటల్ మార్కెటింగ్ పూర్వం, ఆటోమేషన్ పనితీరు, ఈ మెయిల్ మార్కెటింగ్ యొక్క ప్రాముఖ్యతని తెలియజేయడం జరిగింది. ఈ కార్యక్రమంలో విద్యార్థిని, విద్యార్థులు మరియు అధ్యాపక బృందం పాల్గొన్నారు.

మైలవరం, ఫిబ్రవరి 16, శ్రీ విజయ న్యూస్ : స్థానిక లకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఇన్స్పెక్షన్ టెక్నాలజీ మరియు యల్.బి.ఆర్.సి.ఈ స్టూడెంట్స్ చాప్టర్ వారి ఆధ్వర్యంలో ద్వితీయ సంవత్సరం చదువుతున్న విద్యార్థులకు గత పది రోజులుగా వెబ్ డెవలప్మెంట్ (బ్యాంకేట్ టెక్నాలజీస్), ఐటి వర్క్ షాప్ (పవర్ ఆఫ్ ట్రోగ్రామింగ్ ఫర్ సార్టింగ్ రియల్ వరల్డ్ ప్రాజెక్టు) శుక్రవారం ముగిసినట్లు కళాశాల ప్రెస్సిఫాల్ దా.కె.అప్పారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ ఈ వర్క్ షాప్ లో విద్యార్థులకు వెబ్ కి సంబంధించిన వెబ్ సైట్ ని ఎలా డిజైన్ చేయాలి దానికి అనుగుణంగా కావాల్సిన సాంకేతికతలైన రియోక్టు జెయస్, నోడ్ జెయస్, ఎక్స్ప్రెస్ జెయస్, మాంగోడిబి అనే డేటాబేస్ ను ట్రైనర్ జగదీష్, సాఫ్ట్ వేర్, విప్రో టెక్నాలజీస్ వారు శిక్షణ ఇచ్చారని ప్రెస్సిఫాల్ తెలియచేసారు. అలాగే వారి వెబ్ సైట్ లను పరిశీలించడం జరిగిందని పేర్కొన్నారు. అనంతరం ఐటి విభాగాధిపతి దా.బి.శ్రీనివాస రావు గారు మాట్లాడుతూ కంపెనీలు తమ వ్యాపారం కోసం స్పష్టమైన బ్రాండ్లను, ఉత్పత్తులను కచ్చితమైన చూపించడానికి కంపెనీ విధి విధానాలను నిర్వహించడానికి ఇది ఎంతో ఉపయోగపడుతుందని పేర్కొన్నారు. ఇందులో భాగంగా డిజిటల్ మార్కెటింగ్ పూర్వం, ఆటోమేషన్ పనితీరు, ఈ మెయిల్ మార్కెటింగ్ యొక్క ప్రాముఖ్యతని తెలియజేయడం జరిగింది ఈ కార్యక్రమంలో విద్యార్థిని, విద్యార్థులు మరియు అధ్యాపక బృందం పాల్గొన్నారు.

ఇన్స్పెక్షన్ టెక్నాలజీ పై ముగిసిన వెబ్ డెవలప్మెంట్ వర్క్ షాప్

నమస్తే, శ్రీతేజ న్యూస్, మైలవరం: స్థానిక లకిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో ఇన్స్పెక్షన్ టెక్నాలజీ, యల్.బి.ఆర్.సి.ఈ. స్టూడెంట్స్ చాప్టర్ ఆధ్వర్యంలో గత పది రోజులుగా జరుగుతున్న వర్క్ షాప్ గురువారంతో ముగిసింది. కళాశాలలో ద్వితీయ సంవత్సరం చదువుతున్న విద్యార్థులకు గత పది రోజులుగా వెబ్ డెవలప్మెంట్, ఐటి వర్క్ షాప్ ముగిసినట్లు కళాశాల ప్రెస్సిఫాల్ దా.కె.అప్పారావు తెలిపారు. ఈ సందర్భంగా ఆయన మాట్లాడుతూ వర్క్ షాప్ లో విద్యార్థులకు వెబ్ కి సంబంధించిన వెబ్ సైట్ ని వి విధంగా డిజైన్ చేయాలి, దానికి అనుగుణంగా కావాల్సిన సాంకేతికతలైన రియోక్టు జెయస్, నోడ్ జెయస్, ఎక్స్ప్రెస్ జెయస్, మాంగోడిబి అనే డేటాబేస్ ను విప్రో టెక్నాలజీస్ కు చెందిన ట్రైనర్ జగదీష్ శిక్షణ ఇచ్చినట్లు ప్రెస్సిఫాల్ తెలియచేసారు. ఐటి విభాగాధిపతి దా.బి.శ్రీనివాస రావు మాట్లాడుతూ కంపెనీలు తమ వ్యాపారం కోసం స్పష్టమైన బ్రాండ్లను, ఉత్పత్తులను వినియోగదారులకు చూపించడానికి కంపెనీ విధి విధానాలను నిర్వహించడానికి ఇది ఎంతో ఉపయోగపడుతుందని పేర్కొన్నారు. ఇందులో భాగంగా డిజిటల్ మార్కెటింగ్ పూర్వం, ఆటోమేషన్ పనితీరు, ఈ మెయిల్ మార్కెటింగ్ యొక్క ప్రాముఖ్యతని తెలియజేశారు. కార్యక్రమంలో అధ్యాపక బృందం, విద్యార్థిని, విద్యార్థులు, బృందం పాల్గొన్నారు.

Dr. B. SRINIVASA RAO
Dr. B. SRINIVASA RAO
(HOD)

Head of the Department

**Webinar on Roles involved in transformation of
project idea to Project**

<u>Type of Event</u> :	Webinar
<u>Date/ Duration</u> :	25-02-2013 / 1 Day
<u>Resource Person</u> :	Mr.Prathap Jonnadula, QA Software Engineer, At Crackle Plus, USA
<u>Name of the Coordinator(s):</u>	Dr. A.V.N.Reddy, IT Dept., LBRCE, Mrs. M.Hema Latha, IT Dept., LBRCE.
<u>Target Audience</u> :	II and III Year B.Tech Students of IT.

Total no of Participants :77

Objective of the event:

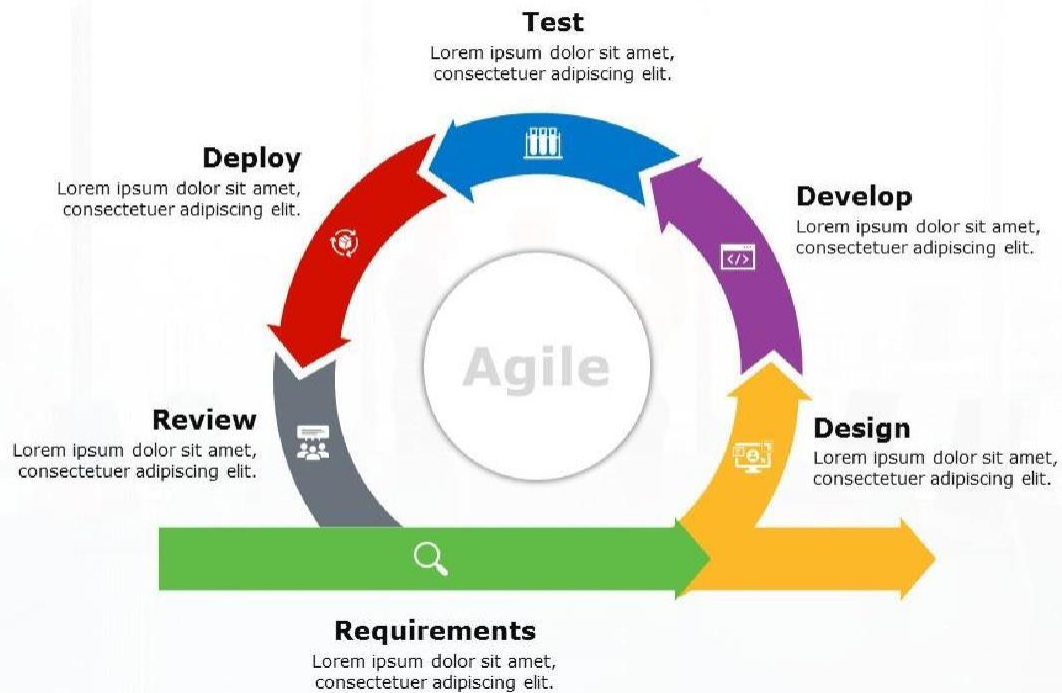
Lakireddy Bali Reddy College of Engineering (A), Department of Information Technology has organized “**Webinar on Roles involved in transformation of project idea to Project**” on **25th February, 2023**. The total number of students participated are 77 from various sections of IT.

The main objective of this event is to introduce these students to the concepts of how they need to convert their idea into project using agile development life cycle. They were clearly explained about the requirements gathering, design, and develop, test and deploy their project.

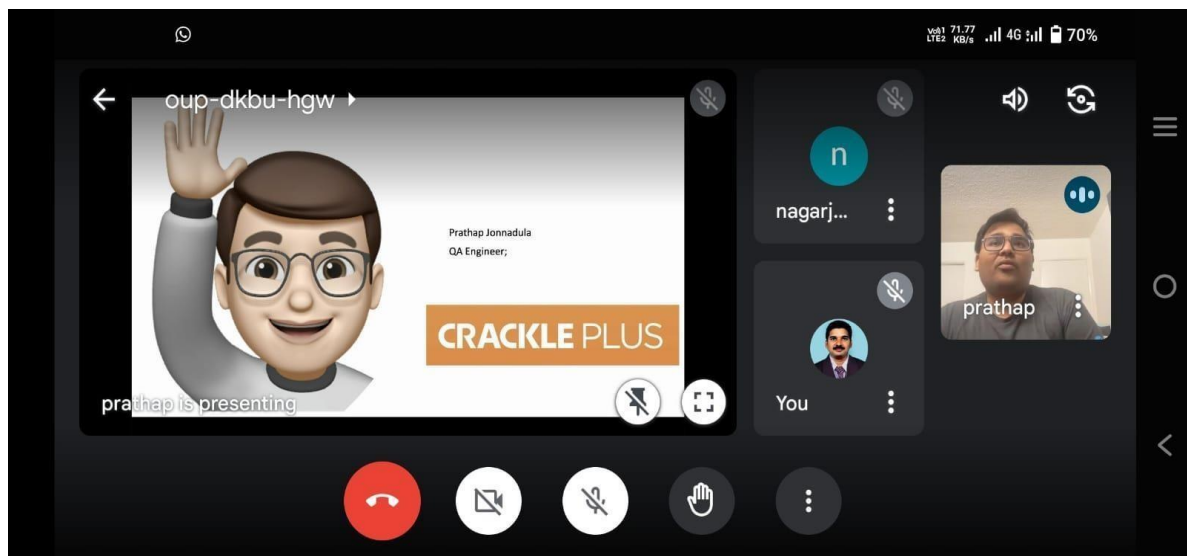
The program was inaugurated by Dr. B Srinivasarao, HOD, Dept. of IT. Co-ordinated by The faculty Dr A.V.N.Reddy & Mrs M.Hemalatha of IT Department.

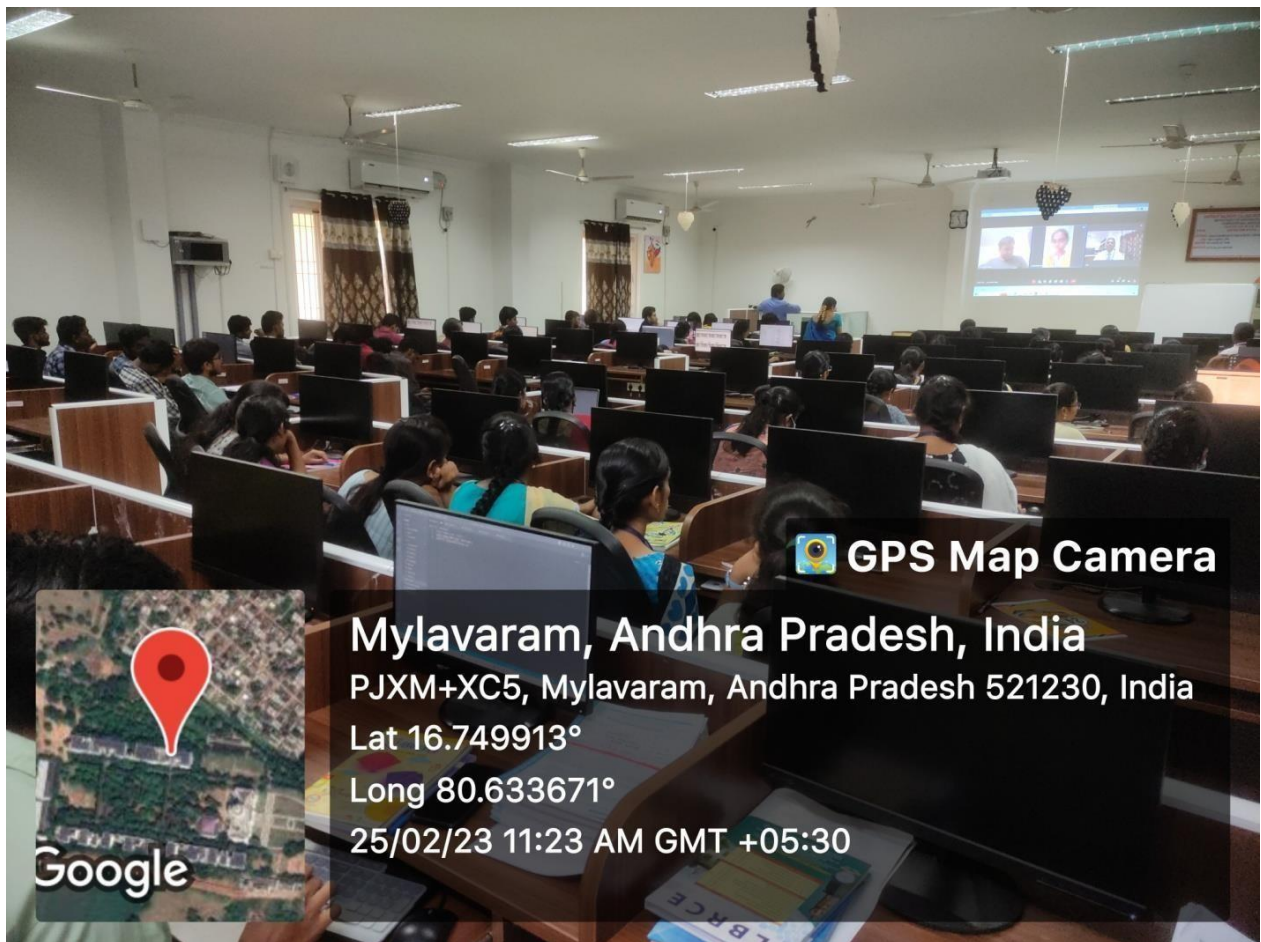
Topics Covered:


Agile Development Cycle



Photographs :





 **GPS Map Camera**

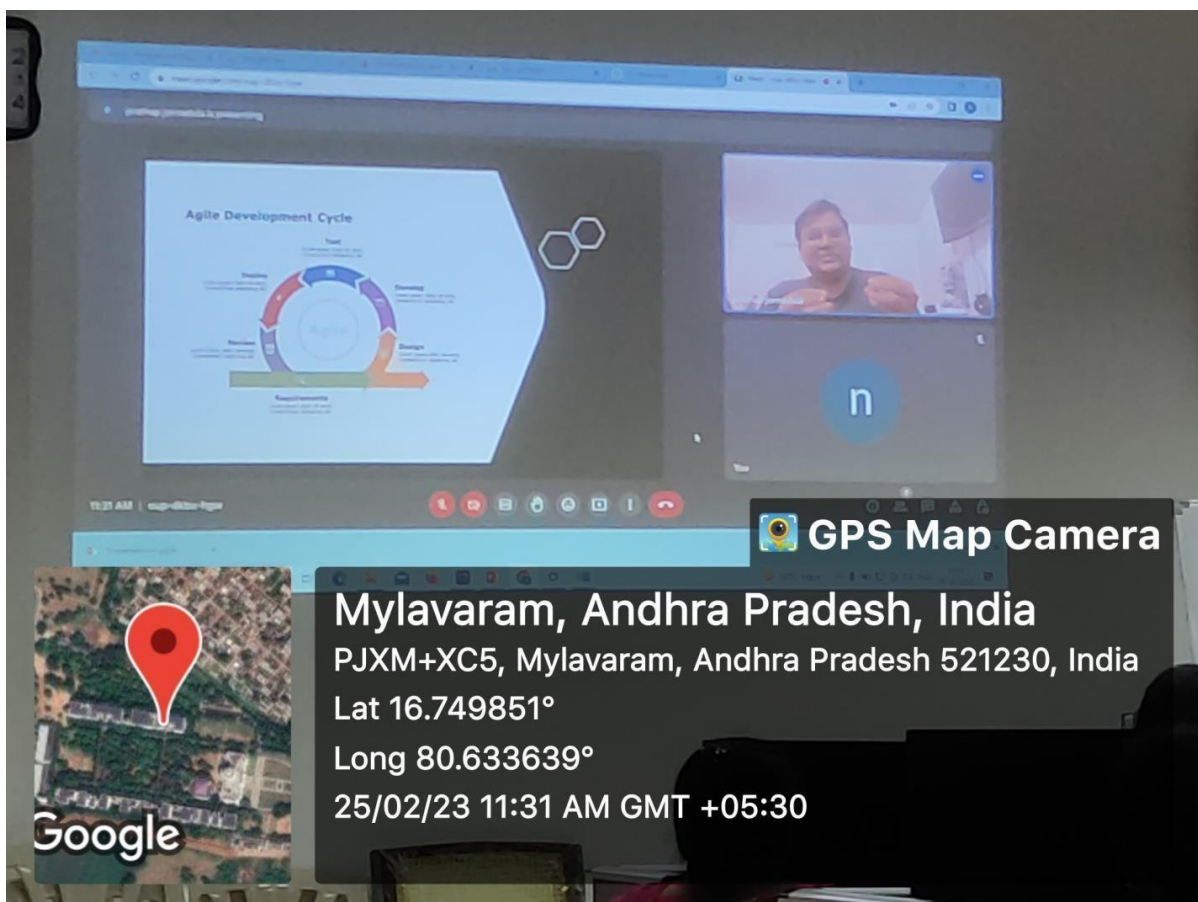
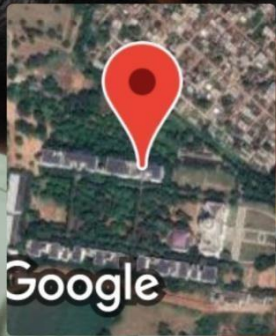
Mylavaram, Andhra Pradesh, India

PJXM+XC5, Mylavaram, Andhra Pradesh 521230, India

Lat 16.749913°

Long 80.633671°

25/02/23 11:23 AM GMT +05:30



 **GPS Map Camera**

Mylavaram, Andhra Pradesh, India

PJXM+XC5, Mylavaram, Andhra Pradesh 521230, India


Lat 16.749851°

Long 80.633639°

25/02/23 11:31 AM GMT +05:30



Attendance :

 LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS) Accredited by NAAC & NBA (CSE, IT, ECE, EEE & ME) Approved by AICTE, New Delhi and Affiliated to JNTUK, Kakinada L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India DEPARTMENT OF INFORMATION TECHNOLOGY			
Seminar On Roles Involved in Transformation of Project Idea to project By Prathap Jonnadula On 25/02/2023 Student Attendance List			
S.No	Student Roll Number	Student Name	Signature
1	20761A1247	R. Meghana Sar	Meghanabai
2	20761A1263	V. Nitin	Nithin
3	20761A1214	G. Anusha	G. Anusha
4	21765A1205	P. Rajeshwari	Rajeshwari
5	21761A1223	K. Sravan	K. Sravan
6	21761A1237	M. Lakshmi Ti. upathamma	M. Lakshmi Ti. upathamma
7	21761A1224	K. Harshith Rao	K. Harshith Rao
8	21761A1242	P. Maheshwari	P. Maheshwari
9	21761A1201	A. Lakshmi Durga	A. Lakshmi Durga
10	22765A1210	U. Sri Latha	U. Sri Latha
11	22765A1204	L. Bhavana	L. Bhavana
12	21761A12A5	N. Vyshnavi	N. Vyshnavi
13	21761A12C3	T. Pujiitha	T. Pujiitha
14	21761A12B0	P. Thripurambika	P. Thripurambika
15	21761A12S2	G. Chetan Nithya	G. Chetan Nithya
16	21761A1262	A. Veera Vannika	A. Veera Vannika
17	21761A12C1	T. Sushma	T. Sushma
18	21761A1269	A. Akhileswar	A. Akhileswar
19	21761A12A4	N. Charani Seetha	N. Charani Seetha
20	21761A12C2	T. Vamsi Priya	T. Vamsi

21	21761A1210	B. Tulasi	B. Tulasi
22	21761A1246	P. Prasanna	P. Prasanna
23	21761A1285	P. Raji	P. Raji
24	21761A1283	G. Vaswanthi	G. Vaswanthi
25	21761A1234	M. Tejaswini	Tejaswini
26	21761A1225	K. Divya	K. Divya
27	21761A1271	A. B. S. N. S. L. Bhavani	A. B. S. N. S. L. Bhavani
28	21761A12A8	O. Nikitha	O. Nikitha
29	21761A1244	P. Devika Naga sai	P. Devika
30	21761A1245	P. Sri Sai Susmitha	P. Susmitha
31	21761A1208	B. Kamalini Sree	B. Kamalini Sree
32	21761A1239	B. K. Fathima	V. Pallina
33	21761A1212	Ch. Anusha	Ch. Anusha
34	21761A1260	V. Sri Lakshmi	V. Sri Lakshmi
35	21761A1252	S. Devi Priya	S. Devi Priya
36	21761A1213	D. Bhavya	D. Bhavya
37	21761A1249	R. N. Harshavardhini	R. N. Harshavardhini
38	22765A1211	V. V. S. Sivakumari	V. V. S. Sivakumari
39	21761A1216	G. Akash	G. Akash
40	21761A1206	B. Rudhvi Raj	B. Rudhvi Raj
41	21761A1235	M. Naga Raju	M. Naga Raju
42	21761A1253	S. Dillewasa	S. Dillewasa
43	21761A1265	U. Prasanna Anjaneyulu	U. Anjaneyulu
44	21761A1289	T. Arun Murthy	T. Arun
45	21761A1267	A. Harsha Vardhan	A. Harsha Vardhan
46	21761A1287	G. Sai Krishna	G. Sai Krishna
47	22765A1203	P. Sai Sudheer	P. Sai Sudheer
48	21761A1250	S. Bagath	S. Bagath
49	21761A1279	Ch. Jayadev Katasai	Ch. Jayadev
50	21761A1263	V. V. Tony Blair	V. V. Tony Blair
51	21761A1256	V. Korthik	V. Korthik
52	21761A1228	K. Sai Sujith	Sujith
53	21761A1214	D. Gopal Reddy	D. G. Reddy

54	2276SA1208	R. Sai Narendra	Sai Narendra
55	20761A1274	Ch. Karthik	Ch. Karthik
56	20761A12A3	P.B.V.P. Sairam	Sairam
57	20761A12B3	SK. Rofan	SK. Rofan
58	20761A1254	S. Uma Mahesh	Uma Mahesh
59	21761A1272	A. Tavan Kumar	A. Tavan Kumar
60	21761A12D1	Y. Mahesh	Mahesh
61	21761A12C0	T.S. Vamsreedhar Reddy	T.S. Reddy
62	21761A12B6	R. Raghavara Rao	R. Raghav
63	21761A1298	K. Kesava Prasad	Kesava
64	21761A12AO	L. Kishore Babu	Kishore
65	20761A1264	A. Rawlen	A. Rawlen
66	20761A12A1	O. Prathyusha	O. Prathyusha
67	20761A1275	Ch. Gayathri	Ch. Gayathri
68	21761A12D2	J. Prem Kumar	J. Prem
69	21761A12A2	M. Akash	Akash
70	21761A1283	G. Vasuvarthi	Vasuvarthi
71	2276SA1201	Sakshi	Sakshi
72	21761A12A1	Tashu	Tashu
73	20761A1288	K. Sahaya	K. Sahaya
74	20761A12C0	T. Suresh	T. Suresh
75	20761A12A4	A. Anurag P	A. Anurag
76	20761A12C4	V. Nagachandana	V. Nagachandana
77	20761A1296	M. Swarna Lakshmi	Swarna

Head Of The Department

Event Co-ordinator

1. A.V. Jayajun

2. M. Hanthi

Dr. B. SRINIVASA RAO
(HOD)

Head of the Department

Ten-day workshop on Machine Learning Handon

03rd - 12th March 2023

Lakireddy Bali Reddy College of Engineering (A) has organized ten- days workshop on Machine learning Handon from *03rd - 12th March 2023*. The program conducted by Dept. of IT. The total number of students participated are above 70 from III Years.

Resource Person: *Anish Sunkara, Infinity Automation Solutions*

Day 1st (3rd March,2023):

FDP was inaugurated on 03rd March,2023 by all the IT department Staff Members

The day started with the welcome speech given by the III year student and continued the workshop.

Topics Covered:

- Machine learning basics
- Data Acquisition and Preparation, Setup of Environment, RegEx
- Supervised learning, unsupervised learning, and reinforcement learning
- Handling missing values, normalizing features, and dealing with outliers
- TensorFlow or scikit-learn, and setting up integrated development environments (IDEs)
- Learning and Mastering RegEx

Day 2,3 (4th 5th March,2023):

Following topics are covered on the second and third day

Topics Covered:

- Text based Analysis, Hands on workshop, Capstone Project
- Sentiment analysis, topic modeling, and text classification.
- Natural language processing (NLP) tools and algorithms
- Data sets, coding algorithms, and experimenting with machine learning models
- Complete machine learning solution from start to finish

Day 4 (6th March,2023):

Following topics are covered on the fourth day

Topics Covered:

- Capstone Project Help Session
- Detailed explanation of project

Day 5,6 (7th 8th March,2023):

Following topics are covered on the fifth, sixth day

Topics Covered:

- Students implementing the capstone Project under the guidance of resource person

Day 7,8 (9th 10th March,2023):

Following topics are covered on the seventh, eighth day

Topics Covered:

- Students project Presentations.

Day 9,10 (11th 12th March,2023):

Following topics are covered on the ninth, tenth day

Topics Covered:

- Solving the issues and limitations of student project

The last day session ended with the vote of thanks by a III year student.



Brochure

Resource Person:

Anish Sunkara,
Infinity Automation Solutions

Eligibility:

- All the III-year students.

Registration Fee Particulars:

- Registration Fee:500/-

Registration Link:

<https://tinyurl.com/2p92yr9z>

Important Dates:

Last Date for Registration: 28/02/2023

LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (A)

Accredited by NAAC & NBA
(CSE, IT, ECE, EEE, MECH)

Approved by AICTE, New Delhi and
Affiliated to JNTUK, Kakinada

L.B. REDDY NAGAR, MYLAVARAM, N.T.R
DIST., A.P.-521 230.

COMMITTEE MEMBERS

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1. Sri L. Jaya Prakash Reddy, Honorary Chairman
2. Sri L. R. N. K. Prasad Reddy, Chairman
3. Sri L. Vijay Kumar Reddy, Vice- Chairman

Patrons:

1. Sri G. Srinivasa Reddy, President
2. Dr. K. Appa Rao, Principal
3. Dr. K. Harinadha Reddy, Vice-Principal
4. Dr. M. Srinivasa Rao, Dean Academics

Conveners:

1. Dr. B. Srinivasa Rao,
Professor & HOD, IT

Coordinators:

1. Ch. Sambhasiva Rao, Sr. Asst Prof, Dept. of IT
2. A. Sarvani, Sr. Asst Prof, Dept of IT
3. K. Raviteja, Asst Prof, Dept of IT

Organizing Committee:

All the Faculty Members of
Department of IT,



TEN-DAY Hands on- Workshop

On

Machine learning Hands on

(03rd - 12th March 2023)



Organized by:

Departments of IT



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

Accredited by NAAC & NBA (CSE, IT, ECE, EEE, MECH)

Approved by AICTE, New Delhi and Affiliated to JNTUK,
Kakinada, J.B. REDDY NAGAR, MYLAVARAM, N.T.R DIST., A.P.-521
230.



LBRCE was founded through Lakireddy Bali Reddy charitable trust in 1998 which stands for quality technical education which is exemplified by the continuous strides it has taken towards excellence in the last two decades. Started with an intake of 180 and now our intake is of 1164 Students. It has got Autonomous Status in the Year 2010 from UGC, which is extended for a period of 06 years in 2016. We were accredited with NAAC and NBA (CSE, IT, ECE, EEE & MECH) under Tier-I valid up to 2021-22. The College has also been awarded 2(f) and 12(B) statuses, apart from the recognition as a 'College with Potential for Excellence (CPE)' from the UGC. We take pride to have large pool of well-qualified and experienced faculty.

About the Departments:

The Department of Information Technology at the LBRCE was established in 1998, with an intake of 40 students, was subsequently increased to 60 students in the year 2001, 120 students in the year 2019. Department was accredited by NBA in the year 2008 for the period of three years and in the year 2019 under Tier-I, valid up to A.Y: 2024-25. Artificial Intelligence and Data Science (AI & DS) was established in the year 2020 with an intake of 60 students and was increased to 120 students in the year 2021, is an undergraduate

Contents of the Workshop:

Day 1(3/03/2023): Data Acquisition and Preparation, Setup of Environment, RegEx

Day 2,3(04/03/2023,05/03/2023): Text based Analysis, Hands on workshop, Capstone Project

Day 4(06/03/2023): Capstone Project Help Session and detailed explanation of project

Day 5,6(07/03/2023, 08/03/2023): Implementing the capstone Project under the guidance of resource person

Day 7(09/03/2023): Student Presentation

Day 8(10/03/2023): Student Presentation

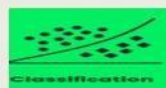
Day 9,10(11/03/2023,12/03/2023): Solving the issues and limitations of student project

Prerequisites:

- Basic Programming Knowledge

About the Workshop:

- Machine Learning bundles the sheer flood of the information and offers you a compact overview of theory and practice in machine learning.
- You receive the hand-on knowledge to integrate enormous potential of machine learning along with SQL, Data Science concepts.
- This workshop is very practice-oriented. Half of it consists of applied exercises on the consistent topic. This helps to learn the relevant methods and practices around machine learning.
- At the end of the workshop, students get master over the Machine learning Projects with various case studies.



Invitation



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING
(AUTONOMOUS)

Approved by AICTE, New Delhi and Permanently Affiliated to JNTUK, Kakinada
L.B. Reddy Nagar, Mylavaram, NTR District, Andhra Pradesh - 521230



INAUGURATION
of
Ten-Day Workshop
on
"Machine Learning Handon"
(03rd - 12th March 2023)

Date & Venue

3rd March 2023, Wednesday-09:30 A.M
CI Lab, Ground Floor, 5th Block

Chief Patrons

Sri L. Jaya Prakash Reddy, Honorary Chairman
Sri L. R. N. K. Prasad Reddy, Chairman
Sri L. Vijay Kumar Reddy, Vice-Chairman

Patrons

Sri G. Srinivasa Reddy, President, LBRCE
Dr. K. Appa Rao, Principal
Dr. K. Harinadha Reddy, Vice-Principal
Dr. M. Srinivasa Rao, Dean of Academics

Guest of Honor

Anish Sunkara, Infinity Automation Solutions

Conveners

Dr. B. Srinivasa Rao, Professor & HOD, Dept of IT

Coordinators

Ch. Sambasiva Rao, Sr. Asst Prof, Dept of IT
A. Sarvani, Sr. Asst Prof, Dept of IT
K. Raviteja, Asst Prof, Dept of IT

Organizing by

LBRCE, Department of IT



“A SIX DAY ONLINE FDP on MACHINELEARNING IN PRACTICE”

Event Type: FDP (Online)

Date / Duration: 19th – 24th June 2023, Six Days.

Resource Persons:

1. Dr. Brijesh Singh, Technical Lead,ZF India Pvt. Ltd., Hyderabad
2. Dr. Bala Prakash Rao Kili, Assistant Professor, NIT Warangal
3. Mr. Nahar Singh, Sr. AI Specialist,Continental Pvt Ltd., Bangalore
4. Dr. Chiranjeevi Sadu, Assistant Professor, RGUKT, Nuzvid
5. Dr. Deepankar, Data Analyst, Eli Lilly and Company, Bangalore

Name of Faculty Coordinator(s):

- Dr. B. Deepak Raj, Associate Prof., Dept.of IT, LBRCE-Mylavaram.
- Mr. M. Rajesh Reddy, Assistant Prof., Dept.of IT, LBRCE-Mylavaram.

Target Audience: Faculty & industry persons from various institutions & organizations with in the India

Total no of Participants: 383

Objective of the event:

- To develop a strong foundation for research in Machine Learning.
- To understand the insights of a few important ML concepts.
- To elaborate implementation of ML Algorithms that are currently in practice

Outcome of event:

At the end of the event participants can able to

- Apply the appropriate pre-processing techniques on data set
- Implement supervised Machine Learning algorithms
- Implement unsupervised Machine Learning algorithms

Description / Report on Event:

The Department of Information Technology (IT), Lakireddy Bali Reddy College of Engineering (LBRCE), Mylavaram, organized the National Level Online Faculty Development Program on, MACHINE LEARNING IN PRACTICE from 19th – 24th June 2023. The Six day FDP conducted through CISCO WebEx every day.

Day 1 (19/06/2023):

FDP was inaugurated on 19th June, 2023 by the Principal Dr.K.Appa Rao, LBRCE, and HOD Dr.B.Srinivasa Rao, Department of IT. All the IT department faculty members, resource persons and participants attended. The day started with the welcome speech given by Principal Sir & HOD sir, continued the FDP. In Day 1, the following topics covered:

Day-I session taken by **Dr. Bala Prakash Rao Kili**, Assistant Professor, NIT Warangal

- Introduction and Applications of ML
- Strategies for machine learning
- Supervised, Unsupervised and Reinforcement Learning
- Model free Reinforcement Learning

Day 2 (20/06/2023): The following topics covered:

Day-II session taken by **Dr. Bala Prakash Rao Kili**, Assistant Professor, NIT Warangal

- Feature Selection/Extraction
- Dimensionality Reduction
- Principal Component Analysis
- Q-learning algorithm
- Hands-on Session on Q-learning algorithm for autonomous Taxi

Day 3 (21/06/2023): The following topics covered:

Day-III session taken by **Mr. Nahar Singh**, Sr. AI Specialist, Continental Pvt Ltd., Bangalore
Hands-on session on

- LLM applications for Autonomous Cars
- Deep learning applications for Autonomous Cars
- Chat GPT applications for Autonomous Cars

Day 4 (22/06/2023): The following topics covered:

Day-IV session taken by **Dr. Deepankar**, Data Analyst, Eli Lilly and Company, Bangalore

- Signal filtering
- R peak detection using the fusion algorithm
- P and T peak detection using the fusion algorithm

Day 5 (23/06/2023): The following topics covered:

Day-V session taken by **Dr. Brijesh Singh**, Technical Lead, ZF India Pvt. Ltd., Hyderabad

- ML for Computer Vision
- Recognition in Computer Vision
- Motion Analysis
- Applications of Computer Vision using Machine Learning

Day 6 (24/06/2023): Last day, regular sessions, quiz, feedback and valedictory completed

Day-VI session taken by **Dr. Chiranjeevi Sadu**, Assistant Professor, RGUKT, Nuzvid

Hands on sessions on:

- Image Forgery Detection
- Computing Error Rate Analysis
- Test on an Authentic Image
- Test on a Tempered Fake Image
- Test on a Spliced Fake Image

In the last Session, conducted the Quiz, followed by Valedictory.

Vote of thanks given by Mr. M. Rajesh Reddy , Assistant Professor, Department of IT, LBRCE.

Feedback / Suggestions:

The feedback survey (through Google sheets) was completed by 345 attendees, a response rate of about 90%. The survey's findings on outcomes, satisfaction, overall FDP feedback, and recommendations for improvement

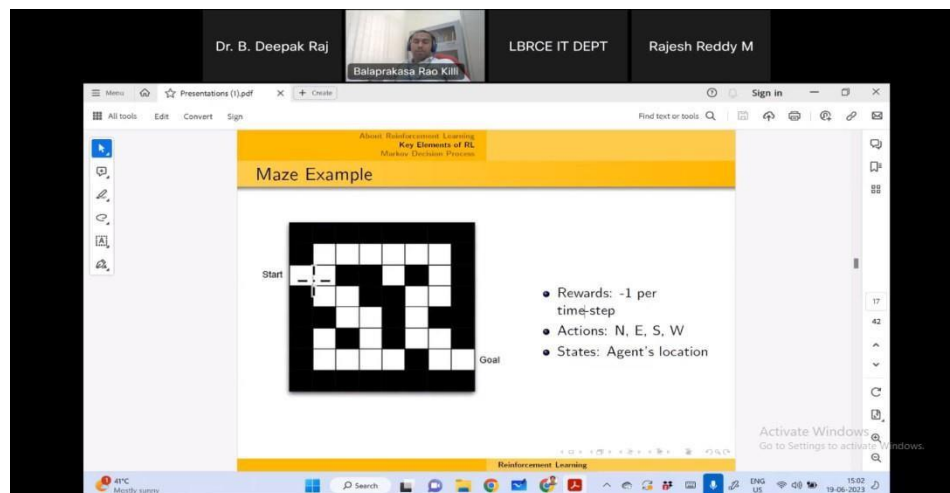
- Suggested to organize this kind of Sessions regularly.
- Recommendation for future FDPs in offline mode

Photographs:

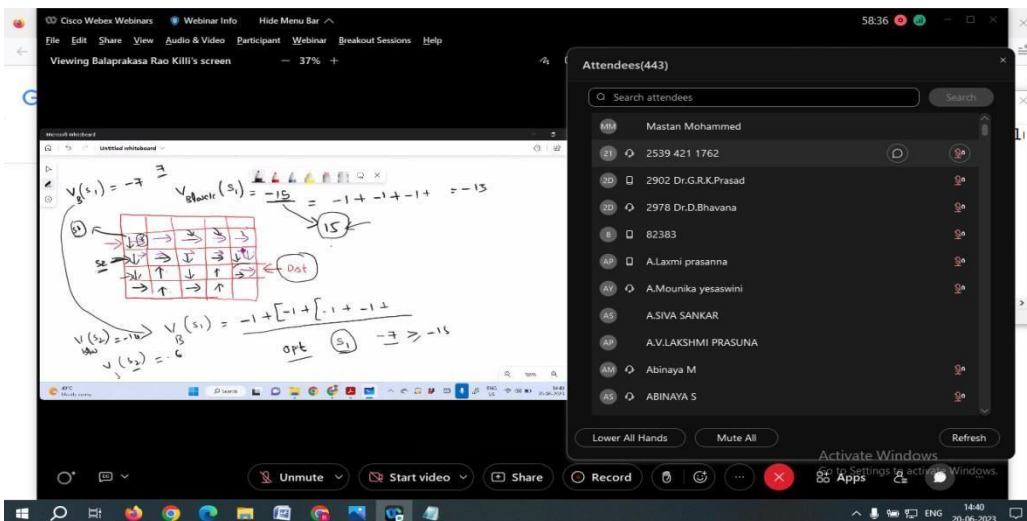
Day-1 (19-06-2023) Inauguration



Day-1 (19-06-2023) Session by Dr. Bala Prakash Rao Kili, Assistant Professor, NIT Warangal



Day-2 (20-06-2023) Session by Dr. Bala Prakash Rao Kili, Assistant Professor, NIT Warangal



Day-3 (21-06-2023) Session by Mr. Nahar Singh, Sr. AI Specialist, Continental Pvt Ltd., Bangalore

Viewing Nahar's screen - 43% +

Human Pose Estimation
LLMChatgpt can help to give critical warning

ARTIFICIAL INTELLIGENCE
MANNING'S LAST INVENTION

Participants (385)

Attendees (381)

Chat

From Dr. D. Stalin David to everyone: 3:53 PM
Ok sir

To: Anand Suresh Irabatti (Attendee)

Enter chat message here

Activate Windows
Go to Settings to activate Windows.

Day-4 (22-06-2023) Session by Dr. Deepankar, Data Analyst, Eli Lilly and Company, Bangalore

Viewing Deepankar Nankani's screen - 61% +

An End-to-End Framework for automatic detection of Atrial Fibrillation

TABLE II: F_1 score on test data for all classes using ResNet model on 3 sec. and 7 sec. segments.

Class	ResNet (3 sec.)	ResNet (7 sec.)
Normal	0.97	0.97
AF	0.97	0.97
AFib	0.97	0.97
Total	0.97	0.97

Participants (384)

Polling

1. Which of the following is ...

A. Recurrent neural netw... 16/380

B. Convolutional neural n... 104/380

C. Reinforcement Learning 17/380

D. Feed-forward neural ne... 6/380

No Answer 237/380

Not started 232/380 (61%)

In progress 4/380 (1%)

Finished 144/380 (38%)

Remaining time to Wind down 10:00

Day-5 (23-06-2023) Session by Dr. Brijesh Singh, Technical Lead, ZF India Pvt. Ltd., Hyderabad

Viewing Brijesh's screen - 65% +

Levels of automated Driving

Assisted Feet off Hands off Eyes off Brain off

Levels 1-5

Participants (336)

Panelists (4)

LBRC_IT Dept Host me

Brijesh

Dr. B. Deepak Raj Cohost

Rajesh Reddy M Cohost


Attendees (332)

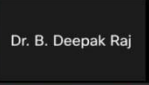
No activities

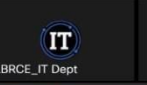
Mute Panelists Unmute Panelists

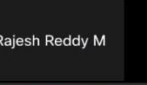
Activate Windows
Go to Settings to activate Windows.

Day-6 (24-06-2023) Session by Dr. Chiranjeevi Sadu, Assistant Professor, RGUKT, Nuzvid


 Sadu Chiranjeevi


 Dr. B. Deepak Raj


 LBRCE_IT Dept


 Rajesh Reddy M

Introduction

Intensify-based Adversarial Attacks

Geometry-based Adversarial Attacks

Summary

Future Directions

Motivation: Huge Amounts of Data

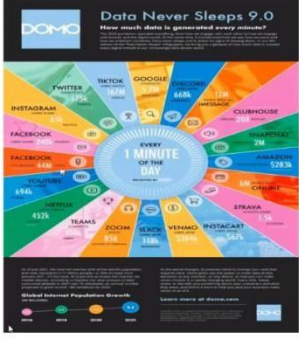


Figure 1: What happens in 1 minute around the world?¹

¹ <https://www.domo.com/learn/infographic/data-never-sleeps-9>

- ▶ In a minute, users share 2,40,000+ images on Facebook.
- ▶ Post approximately 65,000 images on Instagram.
- ▶ It aggregates to more than 1.8 billion image uploads per a day.

Brochure:



A 6-day Online Faculty Development Program on
"Machine Learning- In Practice"

19th June to 24th June, 2023



Organized by
The Department of Information Technology

Lakireddy B. Reddy College of Engineering (Autonomous)
 Accredited by NAAC & NBA (CSE, IT, ECE, EEE, MECH)
 Approved by AICTE, New Delhi and Affiliated to JNTUK,
 L.B. REDDY NAGAR, MYLAVARAM, NTR DIST., A.P.-521230

Resource Persons

Dr. Brijesh Singh, Technical Lead,
ZF India Pvt. Ltd., Hyderabad

Dr. Bala Prakash Rao Killi,
Assistant Professor, NIT Warangal

Mr. Nahar Singh, Sr. AI Specialist,
Continental Pvt Ltd., Bangalore

Dr. Chiranjeevi Sadu,
Assistant Professor, RGUKT, Nuzvid

Dr. Deepankar, Data Analyst,
Eli Lilly and Company, Bangalore

Register Now

Click [here](#) to register or scan the QR Code.



Contact Information

Mr. M. Rajesh Reddy
Assistant Professor, Dept. of IT
Ph: +91 9885790601
e-Mail: rajeshreddi.m@lbrce.ac.in


 Rank Band: 101-150


 Under Tier-1


 A Grade

About the Program

Machine Learning (ML) is an emerging technology which aids computers solve problems which are hard to program. Essentially, ML is a set of algorithms that attempts to learn automatically from past data. ML uses various techniques for building mathematical models and making predictions using stipulated data. Currently, it is being used in various domains such as Computer Vision, Speech Processing, Text Processing, etc.

The **6-day Online Faculty Development Program (FDP)** consists of six sessions (of two hours each, **2PM to 4PM**), covering a wide range of topics and handy tools for the participants who are enthusiastic towards conducting research in the field of **Machine Learning**. The FDP is planned in such a way that, participants will be enlightened with both, in-depth theoretical knowledge as well as practical implementation.

Objective of the Program

- ❑ To develop a strong foundation for research in Machine Learning.
- ❑ To understand the insights of a few important ML concepts.
- ❑ To elaborate implementation of ML Algorithms that are currently in practice.

Eligibility Criteria

Faculty from AICTE approved Institutions, research scholars and PG students, as well as professionals from R&D organizations and Industry are considered eligible.

Important Dates

Last Date of Registration: **18-June-2023**

FDP: **19-June-2023 to 24-June-2023 (2 to 4PM)**

Certificate Criteria

An exam (including objective type questions) will be conducted. The participant with **50%** score in the exam along with **80%** attendance is awarded a certificate.

About the Institution

LBRCE was founded through Lakireddy Ball Reddy charitable trust in 1998 which stands for quality technical education which is exemplified by the continuous strides it has taken towards excellence in the last two decades. Started with an intake of 180 and now our intake is of 1152 Students. It has got Autonomous Status in the Year 2010 from UGC, which is extended for a period of 06 years in 2016. We were accredited with NAAC and NBA (CSE, IT, ECE, EEE \& MECH) under Tier-I valid up to 2021-22. The College has also been awarded 2(F) and 12(B) status, apart from the recognition as a 'College with Potential for Excellence (CPE)' from the UGC. We take pride to have large pool of well-qualified and experienced faculty.

About the Department of IT

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, 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.

Vision of the Department

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

Mission of the Department

- To impart quality education with a well designed curriculum, consistent with industry requirements, that equips the student to face the career challenges.
- To extend the student's learning beyond the curriculum, through workshops on cutting edge technologies.
- To strengthen creativity and team spirit of the students by providing a conducive environment, preparing them to face the challenges posed by the IT industry.
- To develop life-long learning, ethics, moral values and spirit of service so as to contribute to society through technology.



Program Educational Objectives (PEOs):

- PEO1:** Pursue a successful career in the area of Information Technology or its allied fields.
- PEO2:** Exhibit sound knowledge in the fundamentals of Information Technology and apply practical experience with programming techniques to solve real world problems.
- PEO3:** Able to demonstrate self-learning, life-long learning and work in teams on multidisciplinary projects.
- PEO4:** Able to understand the professional code of ethics and demonstrate ethical behaviour, effective communication, team work and leadership skills in their job.

Program Specific

Outcomes (PSOs):

- PSO1:** Organize, Analyze and Interpret the data to extract meaningful conclusions.
- PSO2:** Design, Implement and Evaluate a computer-based system to meet desired needs.
- PSO3:** Develop IT application services with the help of different current engineering tools.

Schedule

Day-1	Model free Reinforcement Learning (RL) with example
Day-2	Q-learning algo. for self driving Taxi
Day-3	Chat GPT applications for Autonomous cars
Day4	Deep Learning for ECG signals
Day5	ML for Computer Vision
Day-6	Image Forgery Detection

Committee Members

Chief Patrons

- ❑ Sri L. R. N. K. Prasad Reddy, Chairman
- ❑ Sri L. Jaya Prakash Reddy, Co-Chairman

Patrons

- ❑ Sri G. Srinivasa Reddy, President
- ❑ Dr. K. Appa Rao, Professor & Principal
- ❑ Dr. M. Srinivasa Rao, Prof. & Dean of Academics

Convener

- ❑ Dr. B. Srinivasa Rao, Professor & HoD, Dept of IT

Coordinators

- ❑ Dr. B. Deepak Raj, Associate Professor, Dept. of IT
- ❑ Mr. M. Rajesh Reddy, Assistant Professor, Dept of IT

Co-coordinators

- ❑ Dr. S. Naganjaneyulu, Professor
- ❑ Dr. A.V.N. Reddy, Associate Professor
- ❑ Mr. Phaneendra K, Sr. Asst. Professor
- ❑ Mrs. M. Hemalatha, Sr. Asst. Professor
- ❑ Mr. M Vijay Kumar, Asst. Professor

Organizers

- ❑ Dr. K. Venu Gopal, Associate Professor
- ❑ Mr. V.V. Krishna Reddy, Sr. Asst. Prof.
- ❑ Mr. Ch. Sambasiva Rao, Sr. Asst. Prof.
- ❑ Mr. K. Rajasekhara, Sr. Asst. Prof.
- ❑ Mrs. A. Sarvani, Sr. Asst. Prof.
- ❑ Mr. G. Rajendra, Sr. Asst. Prof.
- ❑ Mr. Shake Salda, Sr. Asst. Prof.
- ❑ Mr. Raviteja K, Sr. Asst. Prof.
- ❑ Mrs. D. Vijaya Sri, Asst. Prof.
- ❑ Mrs. J. Geetha Renuka, Asst. Prof.
- ❑ Mr. Ch.P.V. Srinivasa Rao, Asst. Prof.

Short Biography of the Speakers



Dr. Brijesh is currently working as Technical Lead at ZF India Pvt. Ltd., Hyderabad. He received Ph.D. degree from the Dept. of CSE, Indian Institute of Technology Guwahati.



Dr. Bala is an Assistant Professor at NIT Warangal, Department of CSE. He has obtained Ph.D. from IIT Guwahati. He is a Senior IEEE member.



Mr. Nihar is a Chief Architect/ AI Lead at Continental Pvt. Ltd. He has more than 12 years of Industry experience. His interests are Generative AI, Deep Learning, Machine Learning, Computer Vision.



Dr. Chiranjeevi is currently working as Head of the Department, CSE, RGUKT, Nuzvid. He received Ph.D. degree from the Department of CSE, IIT Guwahati.



Dr. Deepankar is currently working as Data Analyst at Eli Lilly and Company. He received Ph.D. degree from the dept. of CSE, IIT Guwahati.





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



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