



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (Autonomous)

L.B.Reddy Nagar, Mylavaram – 521 230, Andhra Pradesh, INDIA.

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

3.3.2 Number of workshops/seminars conducted on Research methodology, Intellectual Property Rights (IPR), entrepreneurship, skill development during the last five years

S.No.	Academic Year	Branch	Title of the Program	Page No.
1.	2015-16	EIE	Orientation Program on: “Research Methodologies”	3
		IT	One day Workshop on Visualization of data structures	4-6
2.	2016-17	EEE	Influence of Hybrid Energy storage systems on Future Microgrids	7
			Cloud Computing opportunities in Power Systems	8-9
			Phasor Measurements Units (PMU's)	10
			Advanced power electronics convertors and drivers	11-12
			Design and analysis of Low Frequency Electromagnetics using ANSYS Robotics & Automation	13-16
3.	2017-18	EEE	Metaheuristic Techniques: Applications to Power Engineering	17-19
			Traffic Injury Prevention	20-21
			Renewable Energy Systems	22-23
			Consensus based methods Applied to Economic Load Dispatch	24-25
		EIE	3 days FDP on “Advanced Digital System Design with FPGA's	26-27
4.	2018-19	CIVIL	Two day Workshop on Design of Buildings using E-TABS	28-29
		CSE	MOODLE as ICT Tool for Teaching and Learning Process	30-33
			CISCO Cyber Security Learn-A-thon (Two Week Workshop)	34-35



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		ECE	One Week Faculty Development Program on ASIC-FPGA Design and its Applications	36-38
5.	2019-20	IT	FDP on Python Programming an Industry Perspective (One Week – MNIT Jaipur)	39-41
		CSE	A Five day online Faculty Development Program on MACHINE LEARNING	42-49
			A Three day online Faculty Development Program on DATA SCIENCE BEHIND NATURAL LANGUAGE PROCESSING	50-53
			Short-Term Training Program on “MS Office With Hands-On Session For Supporting Staff”	54-60

Principal
(Dr. K. Appa Rao)

PRINCIPAL
Lakireddy Balireddy College of Ennn
MYLAVARAM - 521 230.



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DEPARTMENT OF ELECTRONICS & INSTRUMENTATION ENGINEERING
<http://www.lbrce.ac.in>, hodeie@lbrce.ac.in, Ph:08659-222933, Extn:408,414, Fax:08659-222931

A.Y:2015-16

Type of Event : Orientation program

Title of Event : "RESEARCH METHODOLOGIES"

Date of Event : 13th September 2015

Event Coordinator: Mr.R.Sarwesvara Prasad

Delivered Talk by : Dr.T. Satyanarayana,

Associate Professor, EIE dept

No. of Participants: 16

Internal Participants: 14

External Participants: 02

Report on Event:

Shared the ideas about how to start the research work. Discussed about the different source available to do research work. Shared the ideas mainly on MEMS. Planning to conduct one more program on Research work with all LBRCE faculty members



Figure 1 : Orientation program on "RESERCH METHODOLOGIES" delivered on 13th Sep, 2015

Event Coordinator


(Mr.R.Sarwesvara Prasad)

HOD-EIE


(Mr.R.Anjaneyulu Naik)

1. Student Branch Name : CSI-LBRCE STUDENT BRANCH,
(LAKI REDDY BALI REDY COLLEGE OF ENGINEERING)
2. Region – V
3. Event Date : 21st March 2016,
4. Event Title : “**VISUALIZATION OF DATA STRUCTURES**”,
5. Speaker at the Event : Dr.S.Naganjaneyulu, Professor of IT
6. **Gist of the Event (Few sentences regarding technical contents of the event)**

A Seminar on “Visualization of Data Structures” Organized by CSI Student branch of LBRCE gave a great exposure to students about importance of Data Structures in computer science. From this seminar students learned how to write programs data structures visually. Speaker Dr.S.Naganjaneyulu Professor of IT and also Student Branch Counselor gave the use of Data Structures. The data structures are used in many areas of computer science such as Compiler Design, DBMS, Computer Networks, and Computer Organization. So there will be huge opportunities in Cyber security field, Students can choose their careers as penetration testers. IT HOD, CSE HOD, Director of LBRCE also addressed students.



Addressing by Sri.LRNK.Prasad Reddy, Vice Chairman, LBRCT



Dr.E.V.Prasad, Director Addressing the students



Sri.G.Srinivasa Reddy, President, LBRCT Addressing the students



Dr.R.Chandrasekharam, Dean, Addressing the students.



Dr.D.Naga Raju, HOD IT Addressing the students



Dr.S.Naganjaneyulu, Professor Addressing the students.



Participants in the seminar



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hodeee@lbrce.ac.in, eee.lbrce@gmail.com

Dept. of EEE conducted a Guest Lecture on "Influence of Hybrid Energy Storage Systems on Future Microgrids" on 27-07-2016 at LBRCE.

EEE Department of the Institute conducted a Guest Lecture on "Influence of Hybrid Energy Storage Systems on Future Microgrids" on 27-07-2016 in Rose Hall for III & IV year students of the department. HOD of EEE, Dr.M.Umavani welcomed the students and resource person. This Lecture was delivered by Dr Narsa Reddy Tummuru, Research Fellow, Energy Research Institute, Nanyang Technological University, Singapore.

In his lecture Dr Narsa Reddy Tummuru garu explained that how to use Microgrids in the future power demand and how to overcome the problems while operating the micro grids. Also he explained that the systems which are used to store the energy.

Total Number of Participants: 200



Resource Person DR. NARSA REDDY GARU delivering Guest Lecture

Co- Ordinator

Mr.K.R.L.PRASAD

Mr. CH.PHANINDRA

Prasad
Phanindra

HOD

M. Umavani
Dr.M.Umavani



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Guest Lecture

A Guest Lecture on "Cloud Computing Opportunities in Power Systems" conducted by Dept. of EEE at LBRCE on 09-Sep-2016.

HOD of EEE, Dr.M.Umavani welcomed the students and resource person.

This lecture was delivered by Dr.M.K.S.Sastry, Professor at University of West Indies, St. Augustine, Trinidad & Tobago.

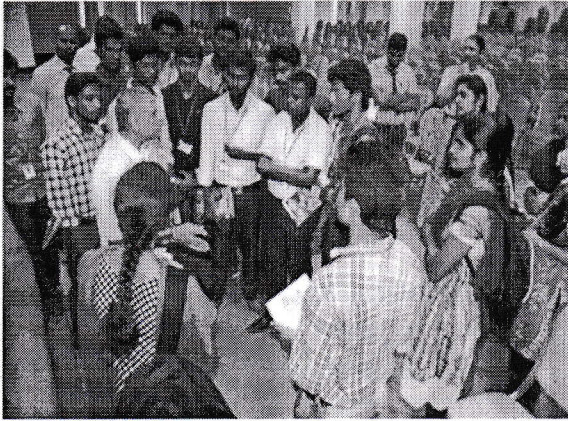
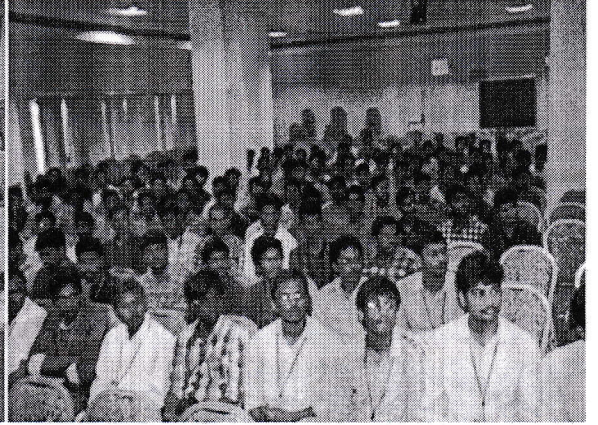
Total Number of Participants: 120

The resource person was covered the following topics :

- The use of Cloud computing in future.
- In Electrical society, how to use the Cloud computing due to the changes in electricity.
- The controlling of electricity use smart phones via Cloud computing.



Resource person Dr. M.K.S. SASTRY GARU delivering Guest Lecture



Doubt clarification by Resource Person

Felicitation by Dr. UMA VANI GARU



Co-Ordinator

Mr. CH.PHANINDRA

Phanindra

HOD

M. Umavani
Dr.M.Umavani



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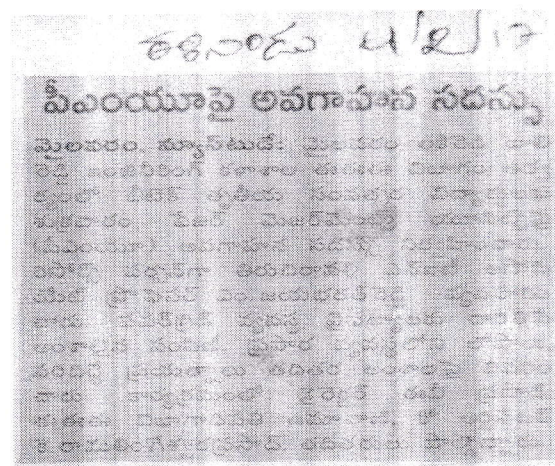
GUEST LECTURE

A Guest Lecture on "Phasor Measurements Units(PMU's)" conducted by Dept. of EEE at LBRCE on 03-Feb-2017

This lecture was delivered by Dr M.Jaya Bharata Reddy, Associate Professor, EEE Department, NIT Tiruchirapalli.

Total Number of Participants: 120

Resource Person Dr.M.Jaya Bharata Reddy delivering Guest Lecture



Co- Ordinators

Mr.K.R.L.Prasad *Ramesh*

HOD
M. Umavani
Dr.M.Umavani



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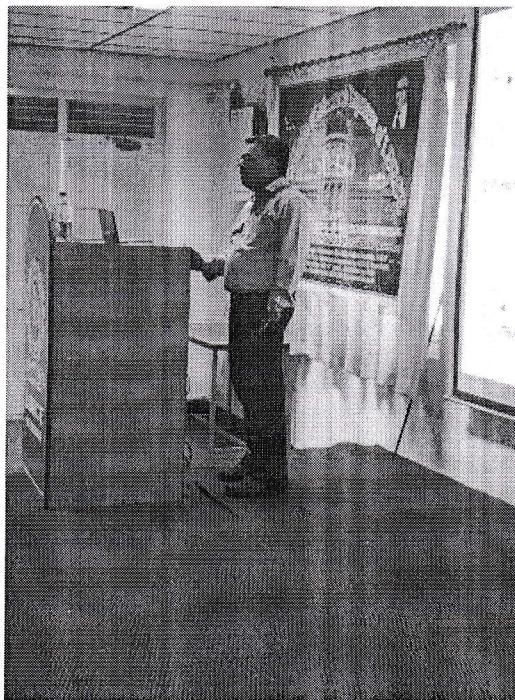
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GUEST LECTURE

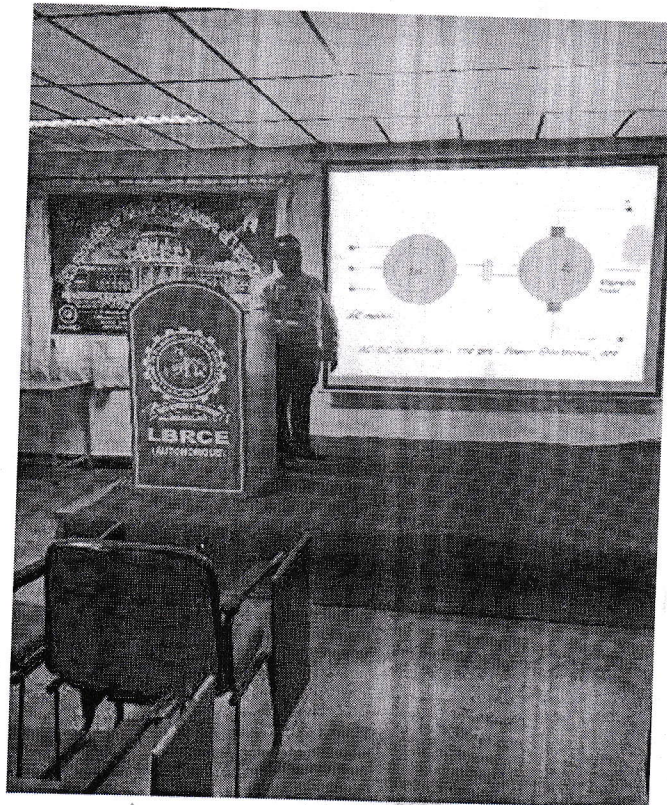
EEE Department of the Institute conducted a Guest Lecture on "Advanced Power Electronics Converters and Drives" under **Association of Electrical Engineers of LBRCE (AEEL)** on 20-03-2017 in EEE seminar Hall for B.Tech IV year, M.Tech students and faculty of the department. HOD of EEE, Dr.M.Umavani welcomed the students and resource person. This Lecture was delivered by Dr O.Chandra shekar, Currently working as Professor and HOD of EEE in KL University.

Total Number of Participants: 120



Dr. O. Chandra Shekar delivering his Guest Lecture





Dr. O. Chandra Sekhar delivering his
expert talk on APECE D

Co- Ordinator

Mr. CH.PHANINDRA *Phanindra*

HOD

M. Umavani
Dr.M.Umavani



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Three-Day Faculty Development Program on “Design and Analysis of Low Frequency Electromagnetics using ANSYS” in collaboration with ARK info solutions, Pune by Dept. of EEE on 22nd -24th December 2016.

EEE Department of the Institute conducted Three-Day faculty development program in collaboration with ARK infosolutions, Pune on “Design and Analysis of Low Frequency Electromagnetics using ANSYS”, on 22nd -24th December 2016 in EEE Computational hall. HOD of EEE, Dr.M.Umavani welcomed the faculty and resource person. This Lecture was delivered by Mr.Abhisek Majumder, Technical Manager-LF.

Total Number of Participants: 28

In this FDP the following points discussed in 1st day session

- ❖ Introduction and Basics of ANSYS Maxwell (Lesson with software simultaneously)
- ❖ Geometry Operation of Ansys Maxwell (Lesson with software simultaneously)
- ❖ Mesh Operation of ANSYS Maxwell (Lesson with software simultaneously)
- ❖ Workshop –Magnetostaticsolver & Electrostatic solver

In this FDP the following points discussed in 2 nd day session

- ❖ Workshop –Eddy current solver
- ❖ Workshop –Transient solver

In this FDP the following points discussed in 3rd day session

- ❖ Workshop –Simplorer
- ❖ SpecificApplication (Transformer design Workbench Application, Linear Actuator



c.)

Inauguration by Director Sir, HOD mam



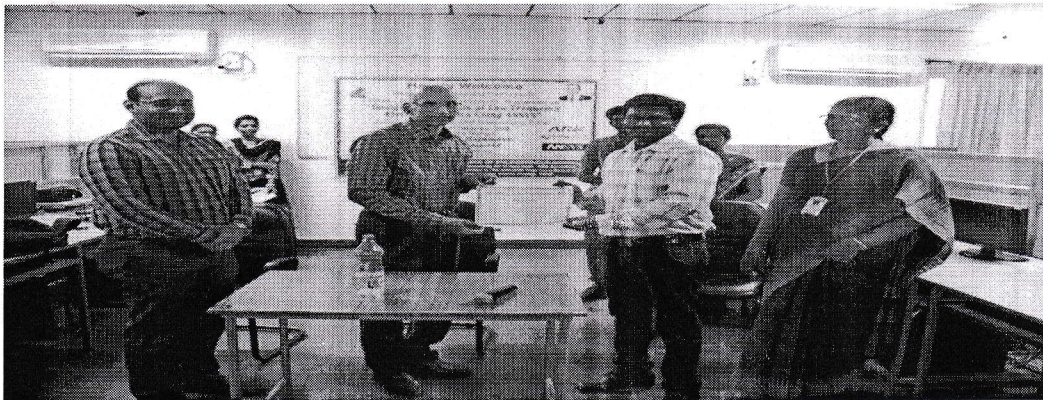
Resource Person delivering his expert talk



LAB SESSIONS BY FACULTY



FEEDBACK ON GL by SAI RABU SIR



RESOURCE PERSONS FELICITATION BY DIRECTOR SIR

Co- Ordinator

Ms. K.S.L.Lavanya

Mr. G.Jeevan Sankeerth

G. Jeevan Sankeerth

HOD
M. Umavani
Dr.M.Umavani



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

**REPORT ON FIVE-DAY FACULTY DEVELOPMENT PROGRAM ON
“META-HEURISTIC TECHNIQUES APPLIED TO POWER SYSTEM
ENGINEERING”**

Event Type : Faculty Development Programme

Date / Duration : 7th – 11th May 2018

Resource Person : Dr.S.Sivanagaraju, Professor, JNTUK, Kakinada, Mr.R.S.Srinivas of EEE Department, from Acharya Nagarjuna University, Guntur, and Dr.B.Srinivasa Rao Professor, Dept. Of EEE,LBRCE, VRSEC, Vijayawada

Name of Coordinator : Dr.M.S.Giridhar and Mr.A.V.G.A.Marthanda

Target Audience : Faculty members from different engineering and industrial fields to establish new collaborations and research to explore both sides of challenges and opportunities in the respective fields

Total no of Participants: 50 Faculty members from LBRCE and other Engineering colleges.

Objective of the event: The main objective of this five day faculty development programme (FDP) is to discuss the details and applications of meta-heuristics to power system problems.

Outcome of event : Faculty updated with the latest knowledge in Applications of Metaheuristics applications to Power System problems.

➤ DESCRIPTION :

➤ EEE Department of the Institute conducted a Five-Day Training Programme on “Metaheuristic Techniques – Applications to Power Engineering” Co-organized by Association of Electrical Engineers of LBRCE (AEEL) during 07th – 11th May, 2018 in EEED Seminar Hall for Faculty of EEE Department of LBRCE & various engineering college faculty in and around LBRCE.

➤ HOD of EEE, Dr.M.Umavani welcomed the faculty and Chief guest. The chief guest was Dr.S.Sivanagaraju, Director, Industry, Institute Interaction & Placement Training from JNTUK, Kakinada, Inaugurated the Five-Day faculty development program, with his inspiring speech importance of Electrical Engineering Field in the modern days.

➤ The First day i.e 7th May morning session was handled by Dr.S.Sivanagaraju, he motivated the faculty to take research work and quoted many example in the Electrical & Electronics Engineering for selecting/Identifying the research problems. He focused on the role and importance of shunt/series capacitor placement in distribution systems. Also discussed about the characteristics of transmission and distribution system and their design i.e size and type of the conductors to be selected for less losses in the system. He discussed the how research work can be extended by giving an example of distribution network reconfiguration problem, how feeder reconfiguration is done using metaheuristic techniques.

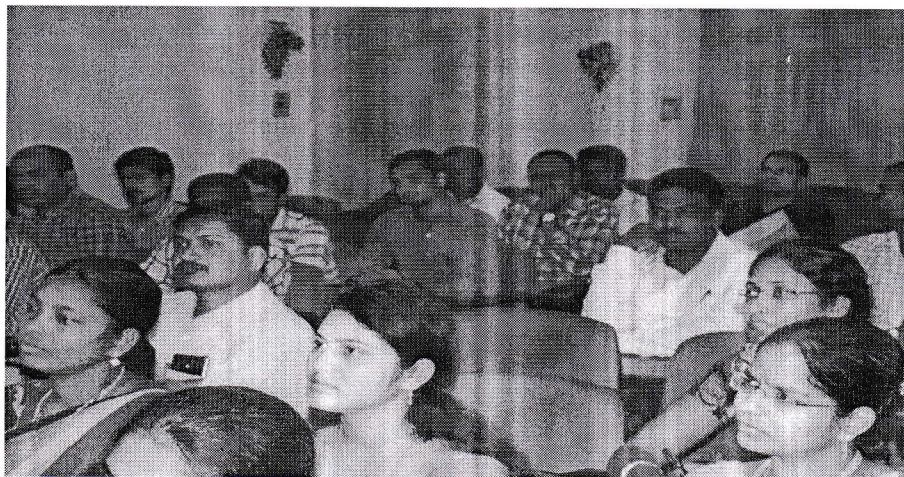
- The Afternoon of the same day was a Lab session, where general mathematical optimization problems have been simulated using Genetic Algorithm, Particle Swarm optimization, Simulated Annealing, Tabu search.
- The Second day i.e 8th May morning session was handled by Dr.P.Sobha Rani on Distributed Generation placement in distribution system using metaheuristics techniques such as genetic algorithm and Fire Fly and Dr.M.S.Giridhar discussed the problem of Economic Load Dispatch using Genetic Algorithm, Tabu search and Simulated Annealing. Also both handled the Lab sessions in the After noon with simulation of DG placement in RDS and EDP using metaheuristic techniques.
- The Third day i.e 9th May morning session was handled by Mr.R.S.Srinivas of EEE Department, from Acharya Nagarjuna University, Guntur. He gave the application of Particle Swarm Optimization (PSO) and Teaching & Learning Based Optimization (TLBO) to power system transient stability problem. Also in the Afternoon Lab Session he demonstrated the implementation of PSO & TLBO to Transient stability Analysis of power system.
- The Fourth day i.e 10th May morning session Dr.B.Srinivasa Rao has introduced as new heuristics technique called “Artificial Immune System based Algorithm” called Colonel Search Algorithm (CSA) and an Adaptive colonel search Algorithm (ACSA) for power system economic & emission dispatch problem as well as the optimal power flow problem. Also in the Afternoon Lab session he demonstrated the implementation of these algorithms for power system problems using MATLAB programming.
- The Fifth day 11th Forenoon session Dr.M.Umavani Garu has presented on the latest developments in the Smart Grid Technologies and the applications of Optimization Techniques in Power Systems. Followed Session Dr.G.Nageshwara Rao delivered the Power Quality problem in power systems under Indian Scenario. In Lab session Real-Time On-line Power Quality measurements and related website resources have been demonstrated.

Feedback / Suggestions : Very useful for Engineering Faculty in finding the new techniques in doing their Research Works in the area of power system optimization.

Photographs :



Addressing by “Dr. S.Sivanagaraju, Professor, Department of EEE, JNTUK, Kakinada”

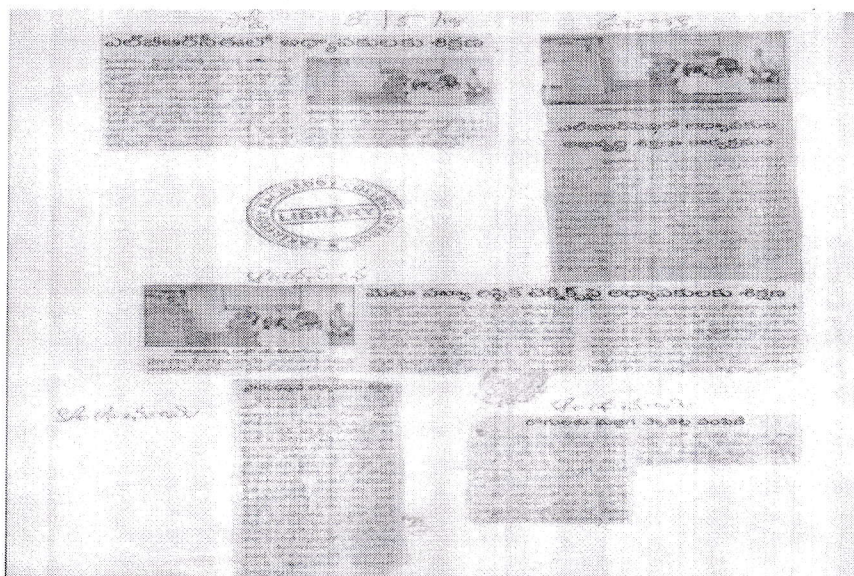


Participants in FDP by Faculty and Research Scholars



Participation Certificate distribution to the Faculty by "Dr. K.Appa Rao" Gaur, Principal, LBRCE.

Press Clippings



Co- Ordinator

Dr.M.S.Giridhar
Mr.A.V.G.A.Marthanda

HOD
Dr.M.Umavani



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

REPORT ON GUEST LECTURE ON "TRAFFIC INJURY PREVENTION"

Event Type : Guest Lecture

Date / Duration : 22-02-2018

Resource Person : Dr. Shashi Kuppa, Division Chief of Special Vehicles and Systems, Department of Transportation, Govt. of USA.

Name of Coordinator : A.V.RaviKumar

Target Audience : II year students of EEE, EIE, CSE, IT, ECE and CIVIL Branches.

Total no of Participants: 500

Objective of the event: Traffic Injury Prevention under IEEE Student branch of LBRCE

Outcome of event : Safety Precautions & Design of Future Vehicles to Prevent from accidents.

Feedback / Suggestions : Very useful for people the prevention methods from accidents.

Description :
The resource person was covered the topics which are related to the main reasons for accidents in traffic. She was also discussed the balloon technology used in vehicles along with safety precautions. The design of future vehicles which are prevented from accidents is also explained by the resource person .

Photographs :



Addressing by "Dr. Shashi Kuppa"



Attention of Students



Facilitating by "Dr. M.UmaVani"

Press Clippings



Co-Ordinator
[Signature]

Mr.A.V.Ravi Kumar

HOD
[Signature]
Dr.M.Umavani



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DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

REPORT ON GUEST LECTURE ON “RENEWABLE ENERGY SYSTEMS”

Event Type : Guest Lecture under AEEL

Date / Duration : 03-02-2018

Resource Person : Dr N. Goutham Kumar, Assistant Professor, EEE Department,
VR Siddhartha Engineering College, Vijayawada

Name of Coordinator : A.V.RaviKumar

Target Audience : III Year EEE Students

Total no of Participants: 80

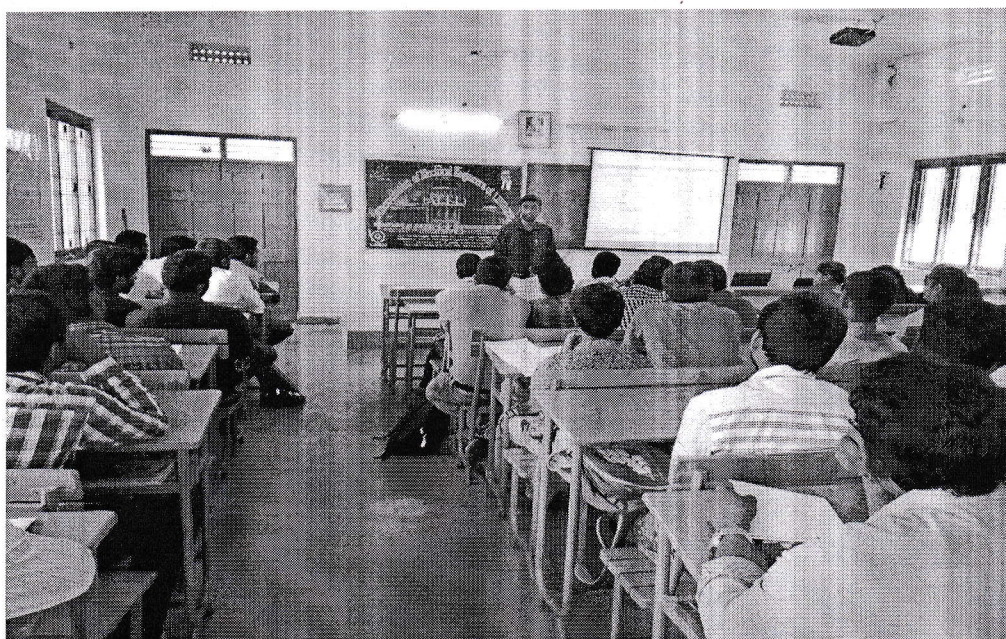
Objective of the event: To interpret the different renewable energy systems and the energy conversion systems used in the present Indian scenario

Outcome of event : To understand the production of solar energy, working of PV Cells and generation capacity of solar in India.

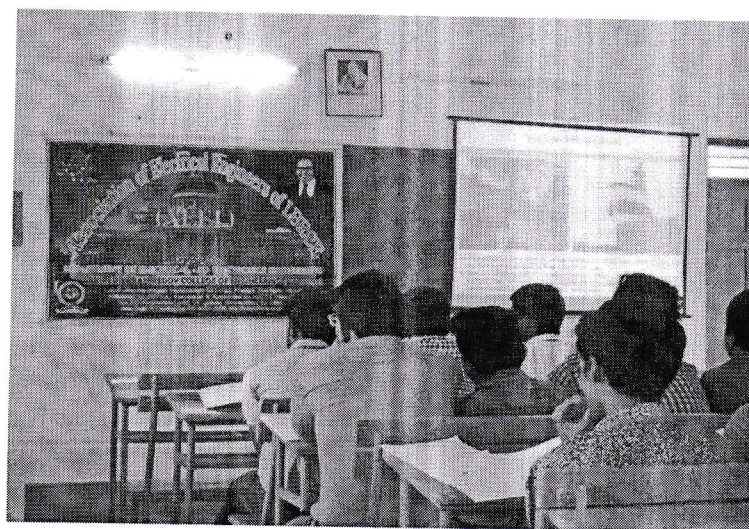
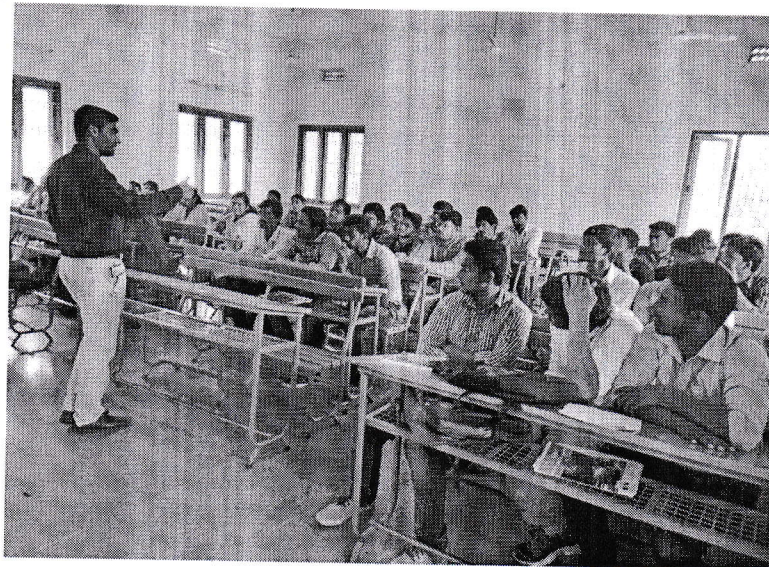
Description : The resource person was covered the topics which are related to different renewable energy systems and the energy conversion systems used in the present Indian scenario. He mainly discussed the production of solar energy, working of PV Cells and generation\ capacity of solar in india.

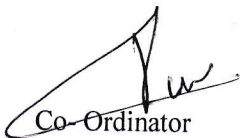
Feedback / Suggestions : These types of Guest Lectures will be conducted regularly.

Photographs :



Addressing by "Dr N. Goutham Kumar"




Co-Ordinator

Mr.A.V.Ravi Kumar

HOD

Dr.M.Umavani



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REPORT ON Guest Lecture "CONSENSUS BASED METHODS APPLIED TO ECONOMIC LOAD DISPATCH "

Event Type : Guest Lecture under AEEL

Date / Duration : 10-01-2018

Resource Person : Dr G.Kesava Rao, Sr. Professor, EEE Department, KL University.

Name of Coordinator : Mr A.V.Ravi Kumar

Target Audience : IV Year EEE Students

Total no of Participants: 130

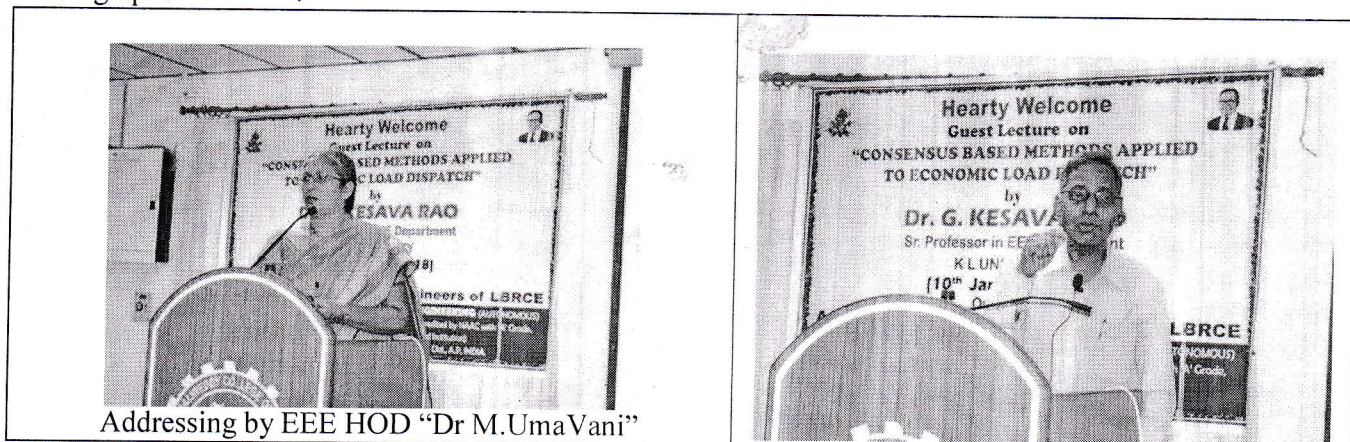
Objective of the event: To understand the consensus based methods applied to economic load dispatch

Outcome of event : To interpret the various centralized and de-centralized methods used in the present scenario and also consensus algorithm for economic load dispatch.



Description : The resource person was covered the topics which are related to various centralized and de-centralized methods used in the present scenario and also consensus algorithm for economic load dispatch

Feedback / Suggestions : These types of Guest Lectures will be conducted regularly.

Photographs :

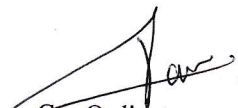


Dr. KESAVA RAO GARU addressing the gathering

	Addressing by Resource Person
	

Press Clippings




Co-Ordinator

Mr.A.V.Ravi Kumar

HOD

Dr.M.Umavani



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A.Y:2017-18

Three Day Faculty Development Program

Event Topic: "Advanced Digital System Design with FPGAs"

Date of Event: 2nd -4th April 2018

Venue: Systems Lab ,LBRCE Campus

Recourse Persons:

1. Mr. Nagendra Kumar, Senior Application Engineer, CoreEL Technologies (Pvt) Ltd, Bangalore.
2. Dr. Y. Amar Babu, Professor, Dept. of ECE, LBRCE.

Report on FDP:

This FDP focus on the systematic design of advanced digital systems using FPGAs, design for high performance computing applications, and review in detail the basic building blocks of FPGA programming, design methodologies, best design practice and optimization techniques for performance. FDP will cover test bench development, simulation for design verification and implementation of Digital System on FPGA.

Recourse Persons:

1. Mr. Nagendra Kumar, Senior Application Engineer, CoreEL Technologies (Pvt) Ltd, Bangalore.
2. Dr. Y. Amar Babu, Professor, Dept. of ECE, LBRCE.

No. of Participants: 33

Internal Participants: 16

External Participants: 17

Convenor: Mr. R. Anjaneyulu Naik

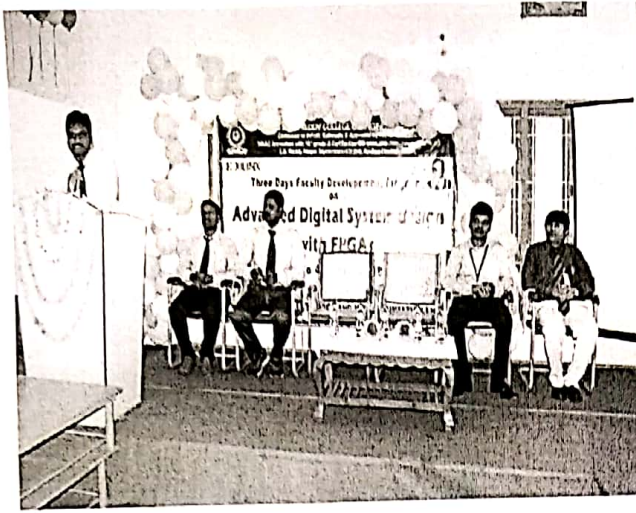


Fig-1: Inauguration of Program by Dr.K.Appa Rao ,Principal, LBRCE on 2nd Apr,2018.



Fig:2-Addressing the Gathering by Mr.R.Anjaneyulu Naik, Assoc.Prof.HOD,EIE

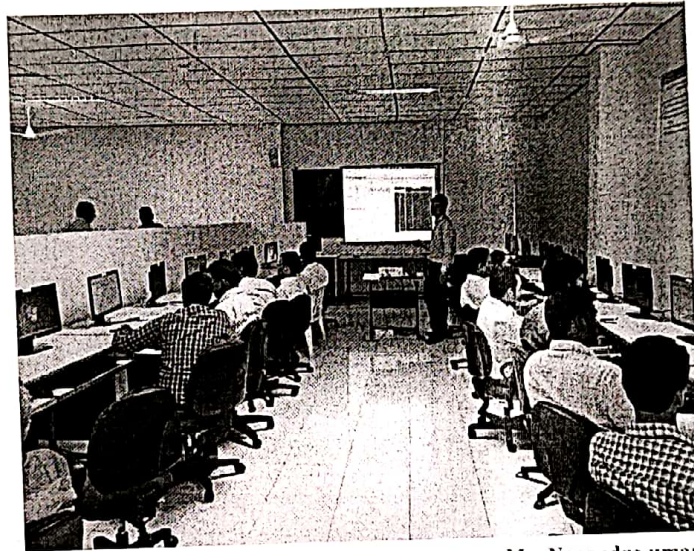


Figure 3: Delivering the lecture by Resource person -Mr. Nagendra umar, Senior Application Engineer, CoreEL Technologies (Pvt) Ltd on 3rd Apr,2018

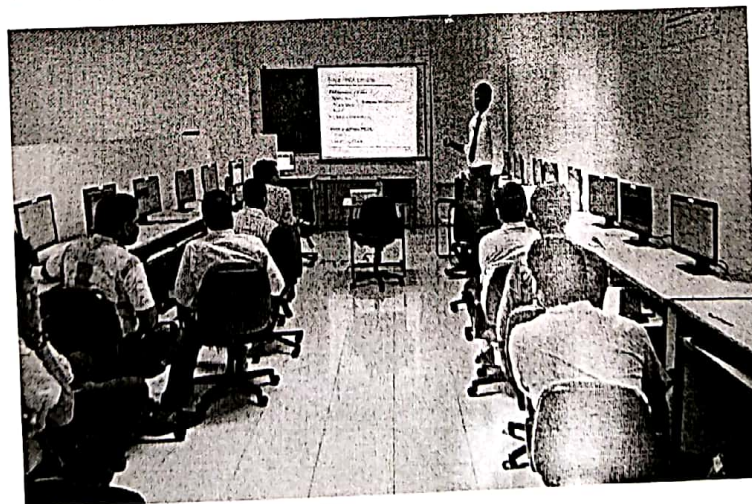


Figure 4: Delivering the Lecture by Dr. Y. Amar Bahu, Professor, Dept. of ECE, LBRCE on 4th Apr,2018

Event Convenor

(Mr.R.Anjaneyulu Naik)

HOD-EIE

(Mr.R.Anjaneyulu Naik)



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

(AUTONOMOUS)

Accredited by NAAC with 'A' Grade, ISO 9001:2015 Certified Institution

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

L.B.Reddy Nagar, Mylavaram-521230, Krishna Dist, Andhra Pradesh, India

DEPARTMENT OF CIVIL ENGINEERING

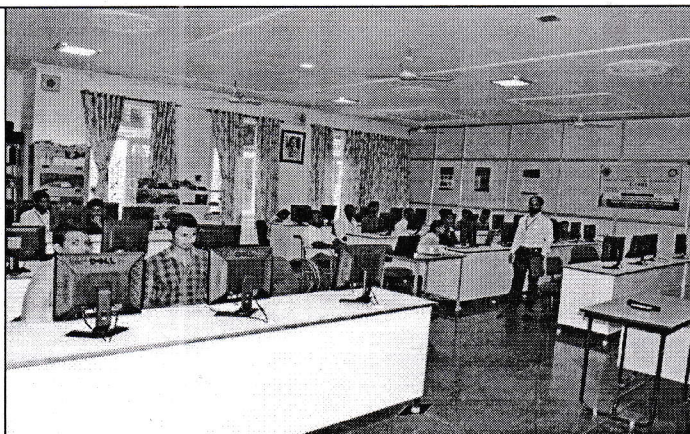
REPORT ON

TWO-DAY WORKSHOP on E-TABS

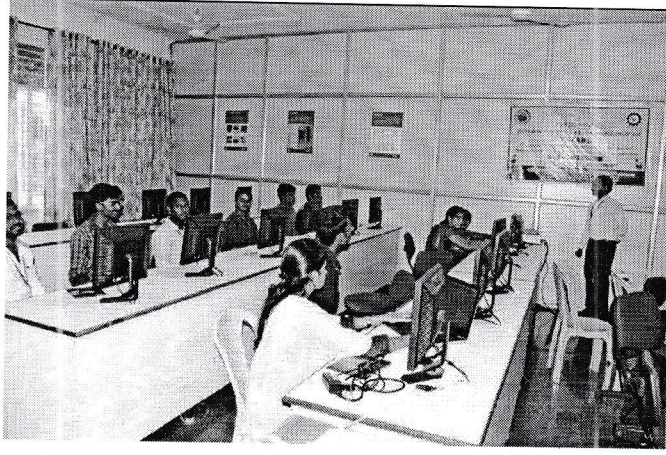
Event Type	Workshop
Date / Duration	23-06-18 to 24-06-18
Resource Team	Engineers CAD Training Centre (ECTC), Vijayawada
Name of Coordinator	Sri B.Ramakrishna
Target Audience	B.Tech Civil III Year Students.
Total no of Participants	68(internal)
Objective of the event	ETABS is a highly efficient analysis and design program developed especially for building systems. It is loaded with an integrated system with an ability to handle the largest and most complex building models and configurations.
Outcome of event	<ul style="list-style-type: none"> Understand the concept and techniques to draw. Representing the geometry - material, sections, member connectivity, support conditions. Plot or print the drawing by scale. To use constraint for certain design.
Feedback / Suggestions	Students gave positive feedback on the workshop and requested to conduct more workshops like certified courses



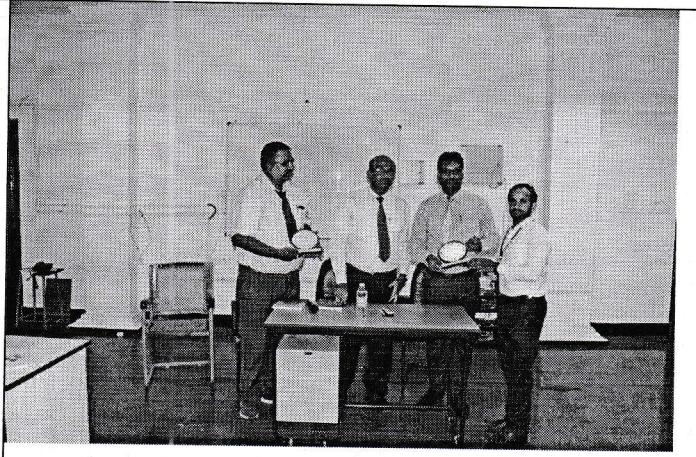
HOD Dr.V.Rama Krishna addressing the importance of design and analysis of structures.



Students actively participating in workshop



Resource person interacting with students



Felicitating the resource person

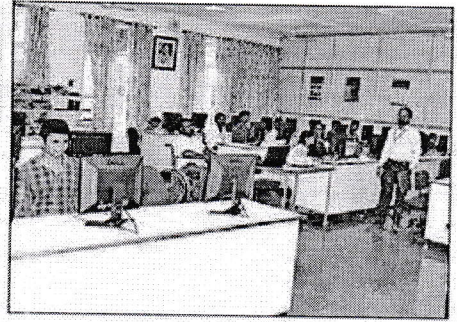
Paper clippings:

కార్యశాలతో ప్రయోజనం

మైలవరం, న్యూస్టుడే: కళాశాలలో నిర్వహించే కార్యశాలలో విద్యార్థులకు మేలు కలుగుతుందని లక్ష్మిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాల ప్రెసిడెంట్ కె. అప్పారావు పేర్కొన్నారు. సివిల్ ఇంజనీరింగ్ విభాగంలో ఈ ట్యాబ్లీ సాఫ్ట్ వేర్ ఉపయోగించి నిర్మాణాలకు సంబంధించిన ఆకృతుల బాధ్యత చేసే విధానంపై శివ సంవత్సరం విద్యార్థులకు బుధవారం కార్యశాల నిర్వహించారు. ఇంజనీర్స్ కాడ్ రిజ్లెం కేంద్రం మేనేజర్ శ్రీకుమార్ వారు అంశాలపై మాట్లాడారు. ఎప్పుడోకప్పుడు వైపువ్యాసం

పెంచుకోవాలని సూచించారు. కార్యశాలలో పాల్గొన్న విద్యార్థులకు ప్రవీరణ పత్రాలు, ఈసీటీసీ సభ్యులకు జ్ఞాపికలను అందజేశారు. ఉప ప్రెసిడెంట్ శ్రీనివాసరెడ్డి, విభాగాధిపతి వి. రామకృష్ణ, స్టూడెంట్ చాప్టర్ సమన్వయకర్త బి.రామకృష్ణ, అధ్యాపకులు పాల్గొన్నారు.

మైలవరం, న్యూస్టుడే: విద్యార్థులు సంపూర్ణ విజ్ఞానం సాధించటం ద్వారా ఉపాధి అవకాశాలను పొందవచ్చని రిసోర్స్ పర్సన్ శ్రీవిక్రమ్ బానోజిరెడ్డి



కార్యశాలలో విద్యార్థులు

పేర్కొన్నారు. మైలవరం లక్ష్మిరెడ్డి బాలిరెడ్డి ఇంజనీరింగ్ కళాశాలలో బుధవారం మెకానికల్ విభాగం అధ్యక్షులలో సదస్సు నిర్వహించారు. ప్రొఫెస్సర్ డి.జై.ఎస్. డెవలప్ మెంట్ పై వివరించారు. ప్రెసిడెంట్ అప్పారావు, పాల్గొన్నారు.

REPORT


A 2-day workshop on "Design of Buildings using E-Tabs" was organized for the 3rd B. Tech Civil Engineering students in LBRCE by IE (I) Student Chapter of Civil Engineering Department during 23-24 July 2018 in association with ECTC, Vijayawada. Sri Prasanna Kumar, Manager of ECTC, led a 2-member team for the workshop. This workshop is organized as a part of department's objective of introducing the civil engineering students with latest design software available on the subject.

The resource team introduced the fundamental concepts of Building design using E- Tabs covering Geometric modelling of structures, loading on structures, Analysis and designing, and wind load, seismic load designing. This software will be helpful in designing the buildings by applying the wind and seismic forces along with the normal loading conditions. Exposure to E-Tabs software will help the modern civil engineer to satisfy the customer needs and producing better quality output among the options available in short duration. Meanwhile, the exposure to the software tools will also enhance better job prospects.

The students are given hands-on experience with the software by working on several examples. At the end of the workshop, buildings are designed by students by applying different loading conditions.


Coordinator

Dept. of Civil Engineering
LAKIREDDY BALIREDDY COLLEGE OF ENGG.
MYLAVARAM-521230, KRISHNA DT, A.P.


HOD-CE



LBRCE IEEE

Report on

Three-Day FDP on

“MOODLE as ICT Tool for Teaching and Learning Process”

(01st – 03rd November 2018)

Event Type	: FDP
Date / Duration	: 1-11-2018 to 3-11-2018
Resource Persons	: Dr.K.L.V.Sai Prakash, NIT Warangal Dr.Ch.V.Narayana, <i>Prof. & CSE HOD</i> Dr.D.Veeraiah, Assoc.Professor Mr.P.Vamsi Naidu, Asst. Professor Mr.Sk.Johny Basha, Asst.Professor
Name of Coordinators	: Dr.G.Nageswara Rao, Professor Dr.D.Veeraiah, Assoc.Professor Mr.S.PremKumar, Sr.Asst.Professor Mr.P.Vamsi Naidu, Asst. Professor
Target Audience	: Faculty of all departments of B.Tech., M.Tech., MBA & MCA
Total no of Participants	: 86+

Objective of the event:

The main objectives of this FDP are to:

- Introduce MOODLE as ICT tool for Teaching and Learning Process
- Train and develop educators about the usage of MOODLE for Teaching and Learning Process
- Facilitate educators to set up a course and add all the activities related to it
- Empower the educators to stay up to date with new features and improvements of MOODLE
- Provide hands-on training using MOODLE as ICT tool

Outcome of event: Faculty understand the importance of MOODLE

Description / Report on Event: The following topics covered in this program

- Introduction to Moodle
- Moodle features, Roles and Permissions, Moodle App
- Course enrolment, Course Grading, Tracking Students Progress
- Adding Activities to the Course Lesson, (LTI) External Tool, Quiz, Survey, Workshop
- Student quick guide, Add students, manually enroll students, Allowing guests into a course, Adding students in bulk, Students enrollment themselves
- On the move with Moodle, Using the App, Staying up to date with new features and improvements
- Content Generation for customized courses in the MOODLE

Feedback / Suggestions:

Faculty are expressed their opinion in a positive way and overall, the lecture given by the resource persons is good.

Photographs:



Inaugural address by Dr. K. Appa Rao, Principal



Inaugural address by Dr. M. Uma Vani, Convener



Inaugural address by Dr. Ch. V. Narayana, Convener



Lighting the Lamp



Session by Dr Sai Prakash



Hands on Session



Participants



Felicitations to Resource Person by Dr. K L V Sai Prakash, NIT Warangal by Principal Dr. K. Appa Rao & Dr. Chandra Sekharam, Dean School of Computing



Certificate distribution to Convener by Principal, Dr. K Appa Rao



Certificate distribution to Resource Person by Principal Dr. K Appa Rao



Certificate distribution to Resource Person by Principal, Dr. K Appa Rao



Certificate distribution to Convener by Principal, Dr. K Appa Rao

20/11/18

ఎల్బీఆర్సీఈలో అధ్యాపకులకు శిక్షణ

[illegible]

కార్యక్రమంలో మాట్లాడుతున్న ప్రెన్సిపాల్ అప్పారావు

తెలంగాణ అనుకూల సమయంలో పున అంకేం సమాచార, కమ్యూనికేషన్ క్షేత్రాల పేసుకునే అవకాశం ఉంటుంద సాంకేతిక అధికారి బోధన, అభ్యాస న్నారు. ఈ కళకల విభాగాధిపతి ఉమా ప్రక్రియలు అధ్యాపకులకు, విద్యార్థు చాలా, సీనిర్ కల విభాగాధిపతి వెంకట లకు ఎంతగానో ఉపయోగపడతాయ నాయుల సైన్స్ మాట్లాడుతూ ఈ

Joey 2/11/18

అభ్యాసం ద్వారా జ్ఞాన సముపార్జన సాధ్యం

[illegible]

సదస్సులో మాట్లాడుతున్న ప్రిన్సిపాల్

[illegible]

செவ்வாய் 2/11/18

ఆధునిక విద్యాబోధన పదాలు తెలుసుకోవాలి

[illegible]

ప్రజాశక్తి 21/11/19

అధ్యాపకుల అభివృద్ధి శిక్షణ ప్రారంభం

మైతరి: స్థానం లోనికి బావికి వెళ్ళింది.
కళాశాలలో మొదల చేసి బూర్జువా పేదరికం అంది రెప్పలు
పెరిచి అనే అంశం ముగిస్తూ ముగిసింది. దీనిని గురించే
అలాంటి అభివృద్ధి క్షేత్రం కాన్ఫరెన్సును గురించి వారి
ప్రారంభమైంది. కళాశాల స్టూడెంట్స్ కలెక్షన్
మార్గదర్శకులు ఆరుగురు విద్యార్థులను పట్ల తలుచు విద్యార్థులు
విద్యార్థుల విద్యార్థులు ఆరుగురు పేదరికంను పేదరికం
విద్యార్థులముగిసి పట్ల గురించి భాగస్వామ్యం చేసింది.
నిమిషం విభాగముల ద్వారా వెళ్ళును వారములు దిక్కి వెళ్ళి
బాధించింది. ఎం. ఉమావతి, డీన్ ద్వారా పరిశీలించి
చరిత్రలు పోతుంది.

అంశం 2/11/18

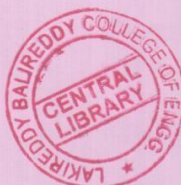
ఎన్టీఆర్ కులో అధ్యాపకులకు శిక్షణ



ఎన్టీఆర్స్‌ కులో అధ్యాపకులకు శిక్షణ


తరగతుల వలన అధ్యాపకులు నద్వినియో
కార్యక్రమంలో ప్రీపుల్ ఇ విభాగాధిపతి డా
చంద్రశేఖరం, డా. సీహెచ్ వెంకటనారాయణ
పాల్గొన్నారు.

ప్రపంచం, వంశం 1 (ప్రథమాంశ):
 స్థానం లభిస్తే చాలిందే ఇంజనీరింగ్
 కళాశాల ఆధ్యాపకులకు మూడు
 రోజుల శిక్షణను ప్రసాదిస్తాడు. కె
 ఆపారావు ప్రారంభించినా, ఈనంద
 దుర్గా చామర్యో ఆధునిక బోధనా
 పద్ధతులు వినియోగించటం వలన
 విద్యార్థులకు బోధన సులభతరం
 అవుతుందని, ఇలాంటి శిక్షణా
 కే సుకాలానిన సుందిచాడు. ఈ
 ఎన్ను ఉపనావాళి, సీఎఫ్డీఎస్ ఆర్
 ఆర్టికల్, డా. ఈమె కృత్యాధార పరిశోధనలు



D. Venkatesh

Dr. D. Veeraiah
Event Coordinator



Dr. Ch. V. Narayana
Convener



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING

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**DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING**

Report on “Cisco Cyber security Learn-A-thon”

Type of Event: Workshop

Date/ Duration: 16-07-2018 to 30-07-2018 / Two Weeks

Resource Person(s): Professionals from CISCO NETACAD

Name of the Coordinator(s): Mr. K.Rangachary, Asst. Professor, Dept of CSE.

Target Audience: : CSE & IT Staff, B.Tech and M.Tech Students

Total no of Participation: 158

Objective of the event:

The main objective of this workshop is enabling the students to learn the basics needed to fight cybercrime with Cyber security Essentials Course.

The participant students in this Learn-A-Thon earned a digital Badge. 13156 students shared passed assessment students' details and received the Badge Digital Badge called **Cyber security Essentials**, and they shared in their social and professional networks.

Outcome of the event:

After completion of this workshop participant will learn:

- Understand security controls for networks, servers and applications.
- Learn valuable security principals and how to develop compliant policies.
- Implement proper procedures for data confidentiality and availability.
- Develop critical thinking and problem-solving skills using Cisco Packet Tracer.

Description about the event:

A single breach can have huge consequences for a company's ability to function, hurting the bottom line and causing disruption in the daily lives of millions of people. This is why the demand for security professionals continues to grow. Get onboard and develop an understanding of cybercrime, security principles, technologies, and procedures used to defend networks. Then decide whether you want to pursue an entry-level networking or security role professionally.

Feedback/ suggestions

1. I like this workshop very much because of its instructiveness.
2. I got some insightful knowledge about Networking after going to this workshop.
3. It would be nice that if this was conducted at earlier semesters.

Photographs:



Hands-on session by students

Co-ordinator

Head of the Department

Principal



LAKIREDDY BALI REDDY COLLEGE OF ENGINEERING (AUTONOMOUS)

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DEPARTMENT OF ELECTRONIC AND COMMUNICATION ENGINEERING

REPORT ON EVENT ASIC / FPGA DESIGN & ITS APPLICATIONS

Event Type: Faculty Development Programme

Date / Duration: 22nd – 27th April, 2019.

Resource Persons: 1. Mr. B. Nagendra, Sr. Application Engineer, Apply Volt
2. Mr. J. Pradeep, Sr. Application Engineer, Apply Volt

Name of the Coordinator: Dr. P. Lachi Reddy, Professor

Audience: ECE, EEE and EIE Faculty

Total Number of Participants: 59

Objective of the Event: To train the faculty on advanced VLSI Design tools

Outcome of the Event: The participants are able to

1. Design various devices using full custom and semi custom design methods.
2. Design the testable devices.
3. Implement the design using Zed boards and ZYNQ boards.

Description / Report on Event:

Day one of the FDP started with the Inauguration Function, in which Principal, HOD, Co-ordinator and other dignitaries presented their views on the importance and objective of conducting the FDP and motivated all the participants to effectively utilize all the sessions and gain practical knowledge.

The resource persons from Apply Volt have given the presentation on “Basics of ASIC Design and ASICs Vs FPGAs”. And have shown the Design flow of Full Custom and Semi Custom ASICs.

During day two, the resource person conducted hands on session on schematic design from Verilog/DFT Netlist, Adding Netlist to schematic Netlist, Adding Libraries, Extraction of schematic and analysis. In lab session, resource person given hands on experience on physical design, floor planning, placement & routing, Physical verification using industry standard caliber Tool.

Day three started with demonstration on Full custom design flow by resource persons with hands on experience covering Schematic entry, Spice models and simulation using the mentor graphics tools.

During day four, resource persons conducted the hands on training on Vivado tool. Design flow using Vivado tool and implementation of the design on Zed board and ZYNQ boards.

Day five and six, completely for lab sessions on the tools learned during previous four days.

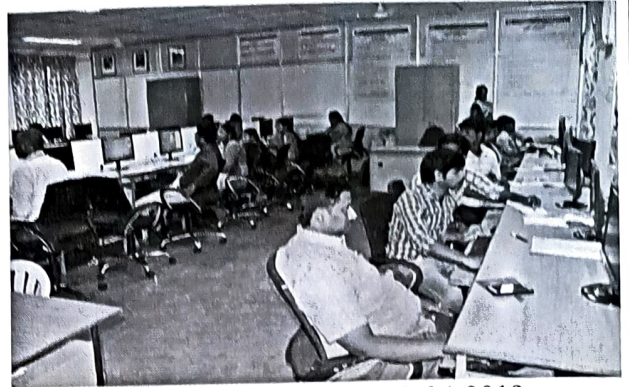
Feedback / Suggestions:

1. Good hospitality
2. More number of workshops/FDPs on similar advanced tools

Photographs:



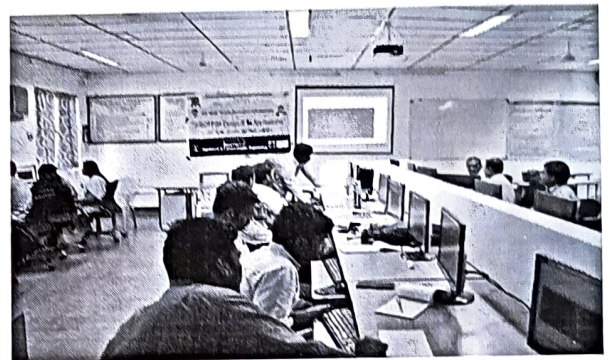
Addressing by Resource person on 22-04-2019



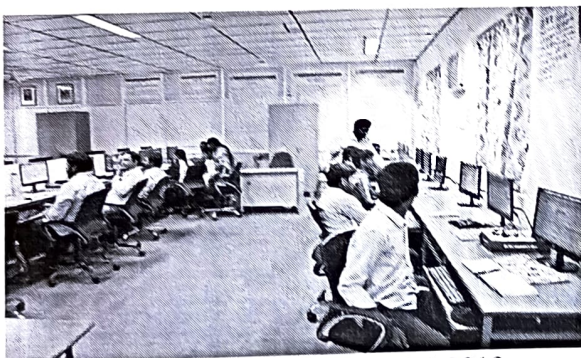
Day 1: Lab session on 22-04-2019



Day 2: Lab session on 23-04-2019



Day 3: Lab Session on 24-04-2019



Day 4: Lab session on 25-04-2019



Day 5: Lab session on 26-04-2019

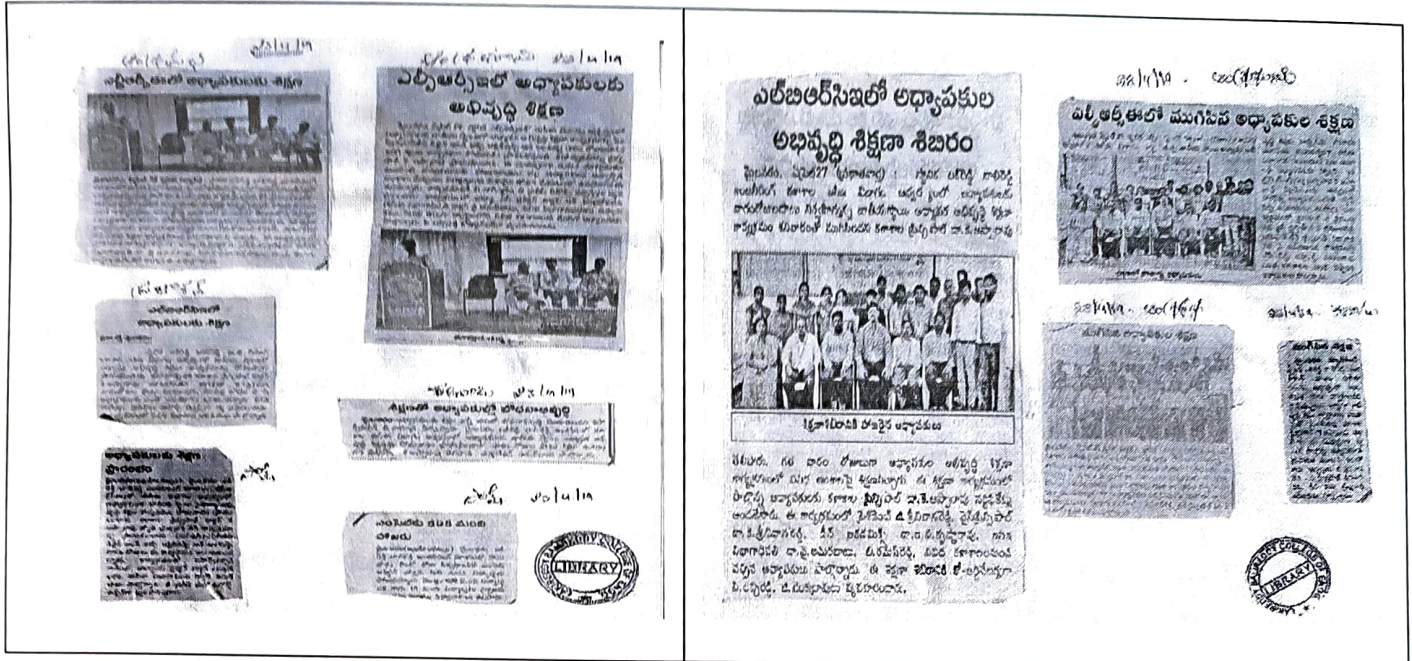


Day 6: Lab session on 27-04-2019



Certificate Presentation to Participant on 27-04-2019

Press Clippings:



Coordinator
Dr. P. Lachi Reddy
Professor
30/4/2019

4/30/4/2019
Convener
Dr. Y. Amar Babu
Professor & HOD, ECE
HEAD
Department of Electronics & Communication Engineering
Lakireddy Bali Reddy College of Engineering
MYLAVARAM, Krishna Dt., Andhra Pradesh



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

REPORT

on

E&ICT, MNIT-Jaipur - One-Week Faculty Development Programme

on

“Python Programming – an Industry Perspective”

2nd – 6th December, 2019

Lakireddy Bali Reddy College of Engineering (A) has organized One-Week Faculty Development Programme on **“Python Programming – an Industry Perspective”** from **2nd – 6th December, 2019**. The program conducted by Dept. of CSE and IT in association with MNIT, Jaipur. Our institute has selected as remote centre and the FDP is conducted through webinar from E&ICT, MNIT-Jaipur. The total number of faculty has participated is 33.

Day 1 (02/12/2019):

FDP was inaugurated on 2nd December, 2019 by Dr. Pilli Sudhakar, HOD, CSE, Global Coordinator of the Faculty Development Programme and **Dr. Mani Madhukar, Program Manger - University Relations, IBM India Pvt. Ltd.**



Dr. Pilli Sudhakar, HOD, CSE addressing the gathering

Resource Person: Dr. Mani Madhukar

Topics Covered:

- Python Introduction Installation
- Installation: Playing with Python UI (Lab Session)
- Operators, Conditional Statements, String Operations
- Operator, Loops, String manipulation (Lab Session)

Day 2 (03-12-2019):

Resource Person: Dr. Mani Madhukar

Topics Covered:

- Functions and List
- Functions and Lists Assignments
- OOPs implementations Tuple assignments
- Implementation of OOPs Working with Tuple

Day 3 (04-12-2019):

Resource Person: Dr. Mani Madhukar

Topics Covered:

- Dictionary, Set, File handling, Exception, Handling
- Working with Dictionary, Set File handling, Exception Handling Assignments
- Regular Expression
- Regular Expression (Lab session)

Day 4 (05-12-2019):

Resource Person: Dr. Mani Madhukar

Topics Covered:

- Python Project Discussion (Online lab session)
- Project Execution (Online lab session)
- Understanding Anaconda, Installation Understanding NumPy
- Anaconda Installation Working with NumPy

Day 5 (06-12-2019):

Resource Person: Dr. Mani Madhukar

Topics Covered:

- Understanding Pandas Working with Datasets
- Working with Pandas Exploring datasets for salary and economic purchase
- Understanding Matplotlib, SciPy Exploring Scikit Learn
- Working with Regression Clustering, Working with Matplotlib, Scikit Learn, SciPy

Global Coordinators: Dr. Pilli Emmanuel Shubhakar, MNIT Jaipur & Dr. Bharat Gupta, NIT Patna.



Dept. of CSE & IT Faculty participated in FDP



REPORT
On
A ONE WEEK ONLINE FACULTY DEVELOPMENT
PROGRAMME
On
“MACHINE LEARNING”
(“1st JUNE – 5th JUNE, 2020)

Lakireddy Bali Reddy College of Engineering (A) has organized A One Week Online Faculty Programme on “Machine Learning” from 1st – 5th JUNE, 2020. This training program was organized by **Department of CSE** and has received an overwhelming response with more than 600 registrations. Out of them, we have shortlisted only 230 participants from various institutes or colleges approved by UGC/AICTE and affiliated to various Universities across the PAN India.

Date: 01-06-2020

Inauguration:

FDP was inaugurated on 01-06-2020 by **Dr. D. Veeraiah, Professor & HoD, CSE Department**, in presence of Resource Person for Day-1 **Dr. E. Srinivasa Reddy**, along with Coordinators, **Dr. Ch.V.Narayana, A. Sree Rama Chandra Murthy, K. Sundeeep Saradhi and S. Govindu**.

Dr. Ch.V.Narayana, Coordinator of FDP, has welcomed all the delegates and participants of the FDP. In his speech, **Dr. Ch. V. Narayana** has highlighted the main objective and importance of Machine Learning. Along with this, he gave a brief introduction about **Dr. E. Srinivasa Reddy, Professor & Principal, ANU, Guntur** our resource person for Day-1. He also addressed the participants regarding the precautions to be taken during this pandemic of COVID-19.

In his Inaugural Speech, **our HOD, Dr. D. Veeraiah**, gave his insights about Machine Learning. He thanked **Dr. E.Srinivas Reddy** for his cooperation and participation in the FDP and making time for the FDP in his hectic schedule. He also thanked participants for their active participation in the FDP from various institutions.

Day 1: 01-06-2020

Topic: Introduction to Machine Learning & Regression Techniques.

Resource Person: Dr. E. Srinivasa Reddy, Professor & Principal, ANU, Guntur.

Our Resource Person, **Dr. E. Srinivasa Reddy**, started his lecture by giving clear insights on what is Machine Learning and Importance of Machine Learning. Along with that, he also discussed the advantages of Machine Learning and Regression analysis.



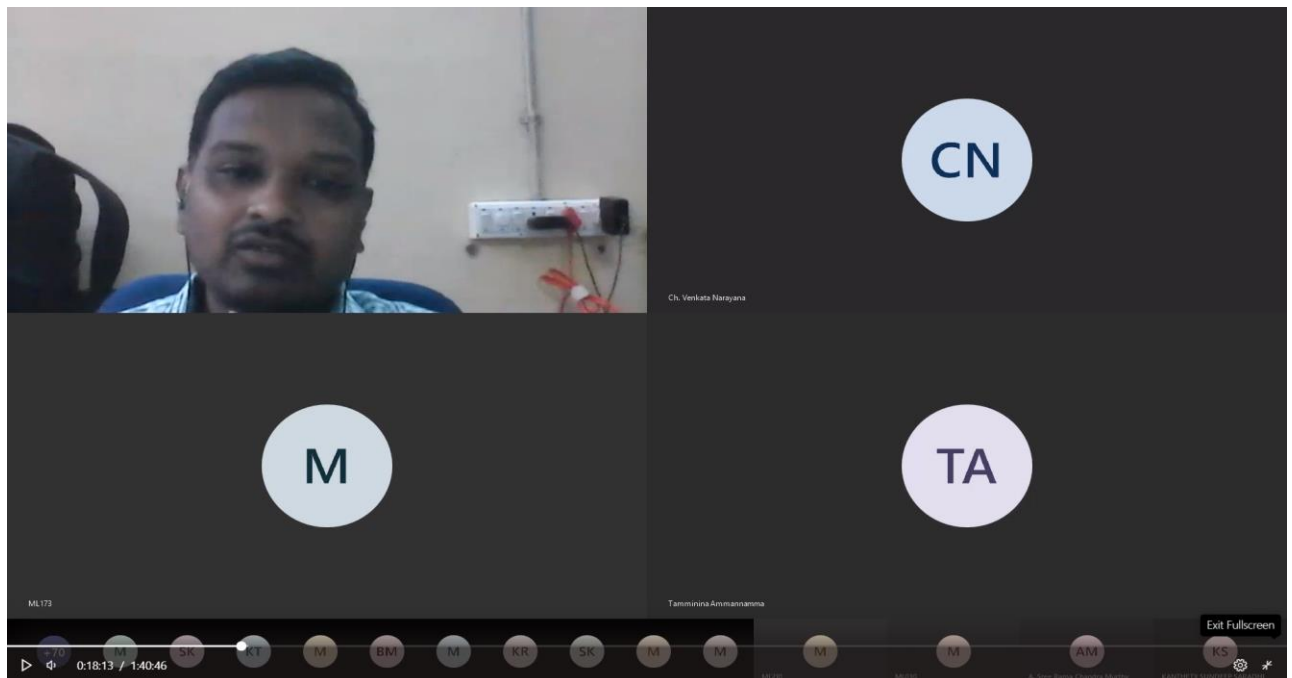
Description: Dr. E. Srinivasa Reddy giving his valuable insights on Machine Learning.

Day 2: 02-06-2020

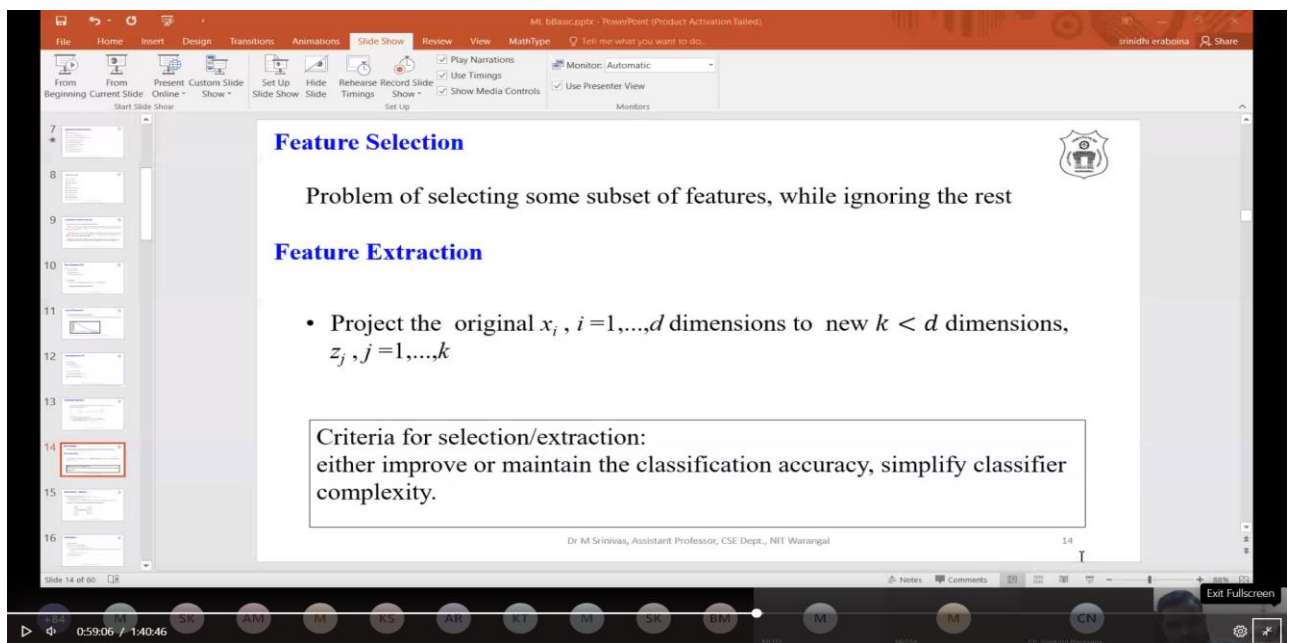
Topic: Feature Representation & Supervised Learning.

Resource Person: Dr. M.Srinivas, NIT, Warangal.

Our Resource Person, **Dr. M.Srinivas**, started his lecture by giving a brief overview on first day lecture and started with Feature Representation. In his lecture, he spoke about the feature reduction, feature selection, dimensionality reduction, feature extraction and PCA. He also discussed about supervised learning techniques.



Description: Dr. M. Srinivas giving his insights on Feature Representation & PCA.



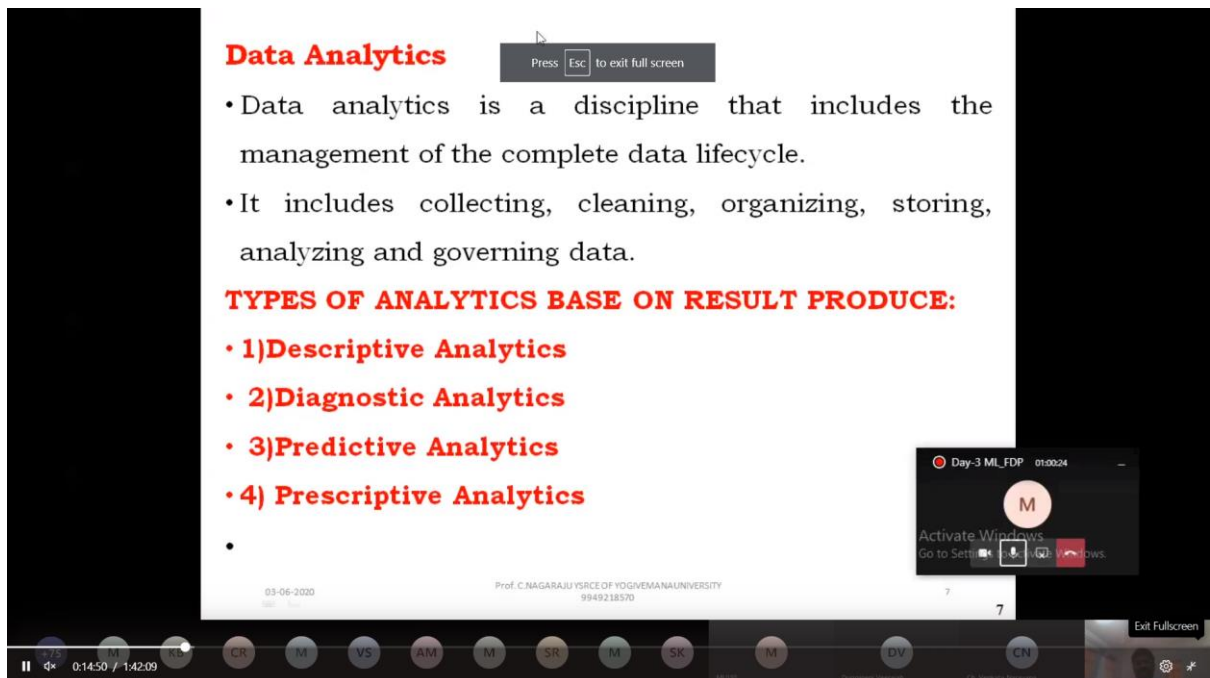
Description: Informative Slides on Feature Selection & Extraction.

Day 3: 03-06-2020

Topic: Sentiment Analysis & Support Vector Machines

Resource Person: Dr. C. Naga Raju, Professor Dept. of CSE, YSR College of Yogi Vemana University, Proddatur

Our Resource Person, **Dr. C. Naga Raju**, started his lecture by giving a brief overview on previous topic and started his lecture with sentiment analysis. During the discussion, he gave various real life scenarios in which sentiment analysis is used. Later he gave brief introduction of support vector machines.



The screenshot shows a presentation slide titled "Data Analytics" in red text. Below the title, there is a list of bullet points: "Data analytics is a discipline that includes the management of the complete data lifecycle." and "It includes collecting, cleaning, organizing, storing, analyzing and governing data." Below the bullet points, the text "TYPES OF ANALYTICS BASE ON RESULT PRODUCE:" is written in red. Underneath, there is a list of four types: "1)Descriptive Analytics", "2)Diagnostic Analytics", "3)Predictive Analytics", and "4) Prescriptive Analytics". At the bottom of the slide, there is a date "03-06-2020" and a name "Prof. C.NAGARAJU YSRCE OF YOGIVEMANAUNIVERSITY 9949218570". A small window in the bottom right corner shows a video call interface with a red circle containing the letter 'M' and the text "Activate Windows Go to Settings to activate Windows." A toolbar at the bottom of the slide shows various icons for navigation and interaction.

Description: Informative slide on Data Analytics.



The screenshot shows a video call interface with three participants. The top left participant is labeled "AM" in a pink circle. The top right participant is labeled "CN" in a blue circle. The bottom participant is labeled "VS" in a blue circle. The bottom participant's video feed shows a man with a beard and glasses, wearing a green shirt, sitting in front of a window with orange curtains. A toolbar at the bottom of the interface shows various icons for navigation and interaction.

Description: Dr. C. Naga Raju giving lecture on Sentiment Analysis

Day 4: 04-06-2020

Topic: Ensemble Techniques & Dimensionality Reduction.

Resource Person: Dr. Lov Kumar, BITS, Hyd.

Our Resource Person, **Dr. Lov Kumar**, started his lecture by giving a brief overview on previous topic and started his lecture with ensemble techniques. He discussed ensemble techniques in detail. He also gave brief introduction about dimensionality reduction.

The image consists of two screenshots of a presentation titled "Ensemble Methods in AI" by Dr. Lov Kumar. The top screenshot shows the title slide, which includes the BITS Pilani logo, the speaker's name and affiliation (Department of Computer Science and Information Systems, Birla Institute of Technology & Science, Pilani - Hyderabad), and the date 04-06-2020. The bottom screenshot shows a slide titled "Ensembles of Classification Models" with three bullet points: "In ensemble of classification models, we have considered the outputs of all its individual constituent classification models where base learners are assigned a certain priority level in the each classification model and the final output is computed with the help of some combination rules.", "Homogeneous ensemble method: In this method, all considered base learners, i.e. classification models, are of the same types, but each one has a randomly generated training set.", and "Heterogeneous ensemble method: In this method, all considered base learners, i.e. classification models, are of different types." Both screenshots show the Adobe Acrobat Reader DC interface with a sidebar of bookmarks and a right-hand panel with export and editing options. The bottom screenshot also shows a video player interface with a progress bar and a list of participants at the bottom.

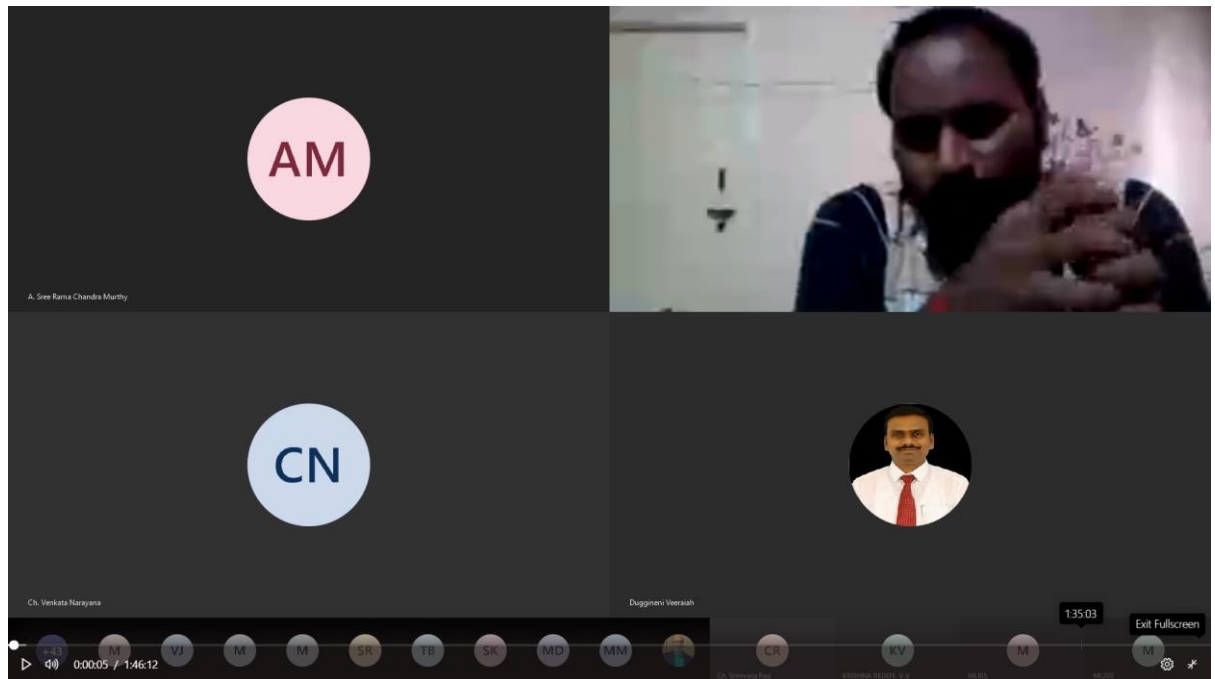
Description: Dr. Lov Kumar giving a brief overview on Ensemble Techniques.

Day 5: 05-06-2020

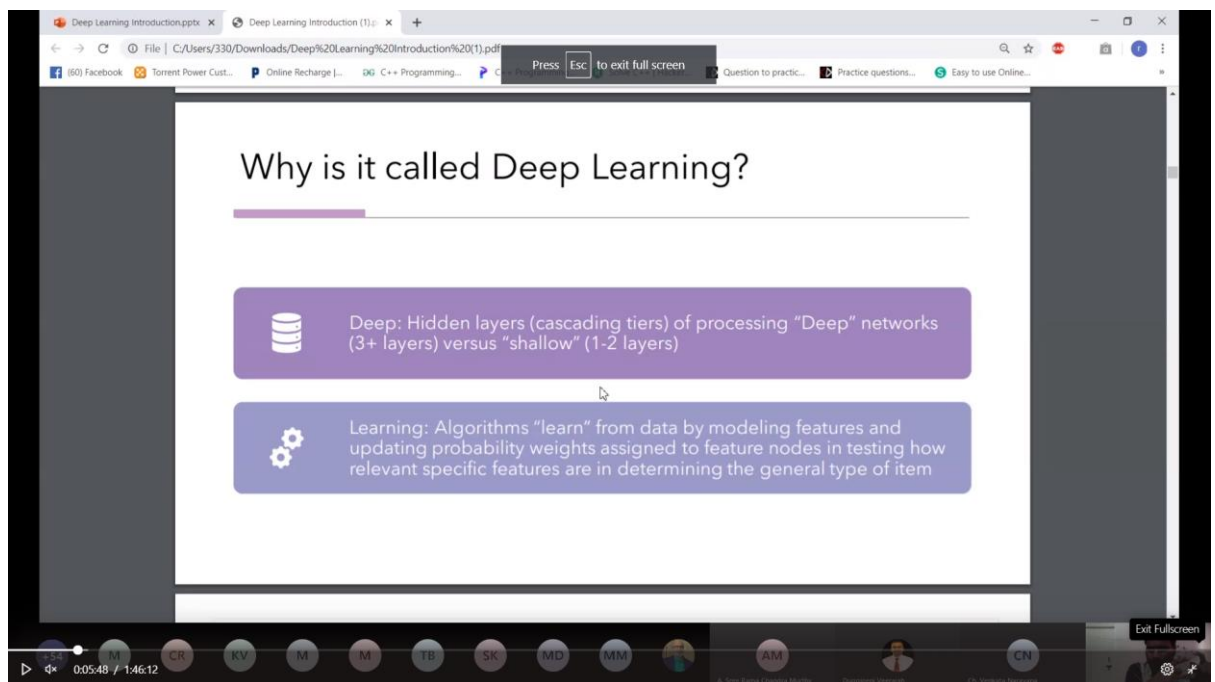
Topic: Deep Learning

Resource Person: Mr. Ranjit Kumar, Tata Aerospace & Defense, Bangalore.

Our Resource Person, **Mr. Ranjit Kumar**, started his lecture by giving a brief overview on Machine Learning and started his lecture with the introduction of Deep Learning.



Description: Mr. Ranjit Kumar giving overview on Deep Learning



Description: Slides on Deep Learning.

Date: 05-06-2020

Valedictory Session:

On the Valedictory Session, due to their hectic work schedule our Principal **Dr.K.Appa Rao, LBRCE(A)**, and our **HoD Dr. D. Veeraiah** were not present. **Coordinators of the FDP, Dr. Ch.V.Narayana, Professor, Mr. A. Sree Rama Chandra Murthy Sr.Asst.Prof., Mr.K.Sundee Saradhi Asst.Prof., Mr.S.Govindu Asst.Prof., CSE Department** were present.

Dr. Ch.V.Narayana, Coordinator, in his valedictory addressing, thanked every participant of FDP and our Resource Person, Mr. Ranjit Kumar for taking his time to our FDP. Also congratulated and thank the Program Convener **Dr. D. Veeraiah** and Coordinators, **Mr. A. Sree Rama Chandra Murthy Sr.Asst.Prof., Mr.K.Sundee Saradhi Asst.Prof., Mr.S. Govindu Asst.Prof** for organizing the FDP in a successful manner.

At the end of the valedictory session, vote of thanks was given by **Mr. A. Sree Rama Chandra Murthy**, Coordinator of the FDP in which he has been paid his gratitude towards all the participants who has spared their valuable time for attending this FDP. He also expressed the gratitude to all the Resource Persons thought five days

Nevertheless, he thanked our Principal, **Dr. K. Appa Rao** and **Dr. D. Veeraiah**, HOD, CSE Department, “We are highly thankful to the Principal and Head of the Department for giving a chance to organize this FDP in our campus and hope we will find the support in future also for organizing such kind of activities.”



Description: Thanking all the participants for their active participation.

Feedback from the Participants:

The feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the FDP on latest trends in Research as well as Industry. They have learned a lot on Machine Learning. They said that, this program was very useful and helpful for them in their research work and guiding the projects to the students. All the participants appreciated the sessions by our Resource Persons and the arrangements made by the organizers.



Dr.ChV.Narayana
(Coordinator)



Dr. D.Veeraiah
(HoD, CSE)



Dr. K.Appa Rao
(Principal)



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(AUTONOMOUS)**

Accredited by NAAC& NBA (Under Tier - I) and ISO 9001:2015 Certified Institution

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

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<http://www.lbrce.ac.in>, cselbreddy@gmail.com, Phone: 08659-222933, Fax: 08659-222931

REPORT

on

**A THREE DAY ONLINE FACULTY DEVELOPMENT PROGRAMME on
“DATA SCIENCE BEHIND NATURAL LANGUAGE PROCESSING”**

(8th – 10th June 2020)

Lakireddy Bali Reddy College of Engineering (A) has organized A Three Day Faculty Development Programme on Data Science behind Natural Language Processing” from 8th – 10th June 2020. This training program was organized by Department of CSE and have received an overwhelming response with more than 300 registrations. Out of them, we have shortlisted only 229 participants from various institutes /colleges approved by UGC/AICTE and affiliated to various Universities across the India.

Date : 08/06/2020

Inauguration:

FDP was inaugurated on 08/06/2020 by **Dr. D. Veeraiah, Professor and HOD, CSE Department and Convener of FDP** along with **Mr. Sriram Uppugundla, Founder & CEO, Codegnan IT Solutions Pvt.Ltd., Vijayawada** and **Dr. O.Rama Devi, Professor, CSE Department and Coordinator of FDP.**

Dr. O.Rama Devi Coordinator of FDP, has welcomed all the delegates and participants to the FDP. In her speech, **Dr. O.Rama Devi** has highlighted the main objective and importance of this Faculty Development Programme. Along with this, she gave a brief introduction about the present importance of Online FDP on ‘Data Science behind NLP’.Also she introduced the resource person to participants along with his profile.

In his Inaugural Speech, **our HOD, Dr. D. Veeraiah**, gave his insights about the Data Science and its importance in NLP. And, he added that the technology has been evolved and how important for every academicians to the student should get knowledge in the field of data science.



Fig-1: Demonstration of introduction of topic from the speaker

Day 1: 08/06/2020

Topic: Introduction to Data Science, AI, NLP

Data Science and its Use cases

- Understanding difference between Data Science and Artificial Intelligence
- Natural Language Processing and Use Cases

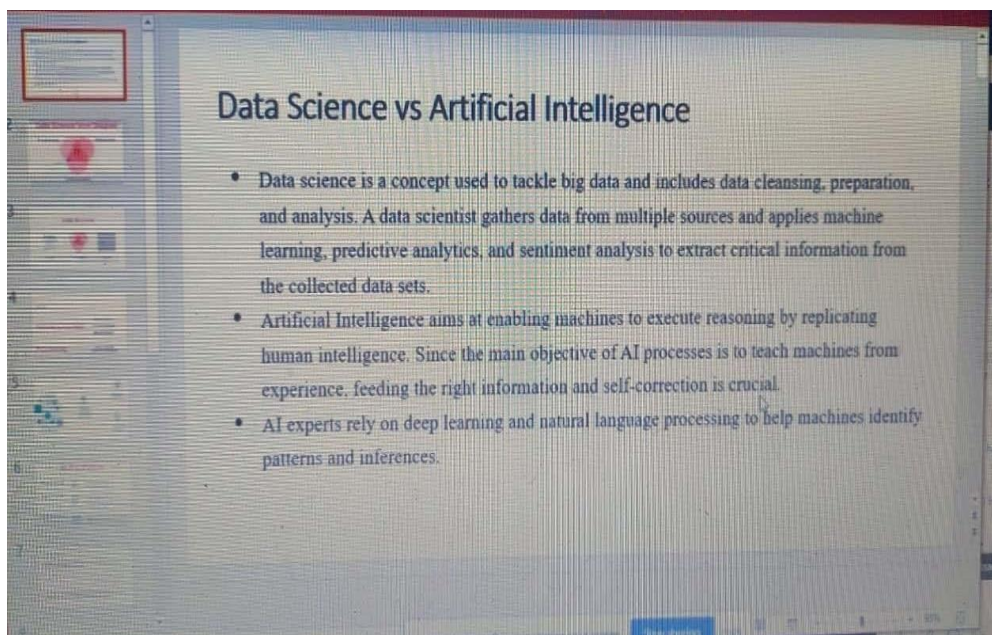


Fig-2: Data Science Versus Artificial Intelligence

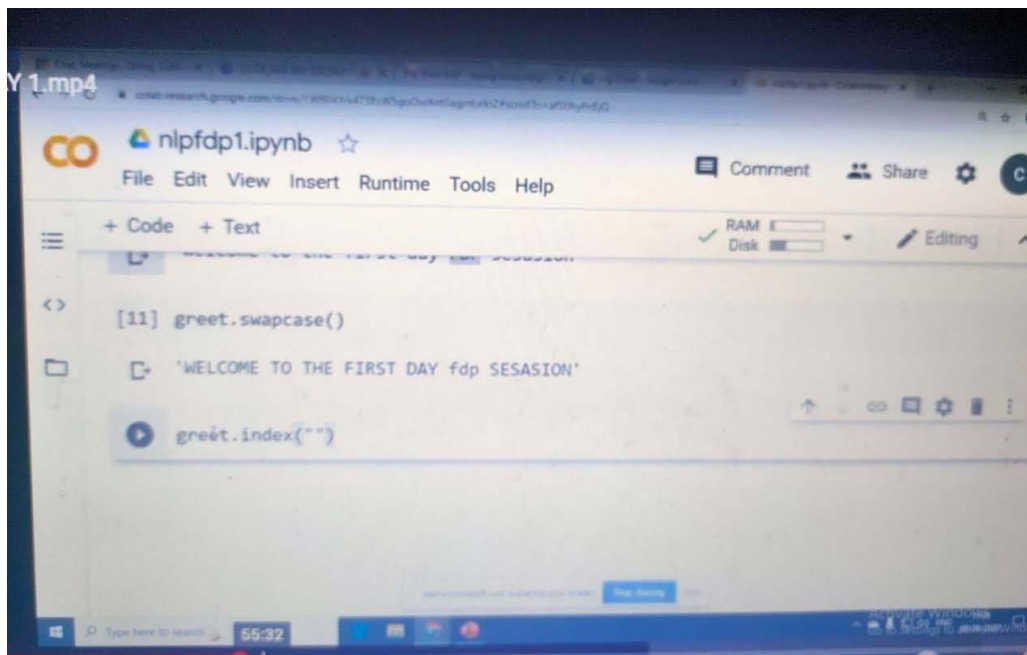


Fig-3: Working with Google Colab

Day 2: 09/06/2020

Topic: Importance of Language Processing with Python

- Tokenization
- Lemmatization

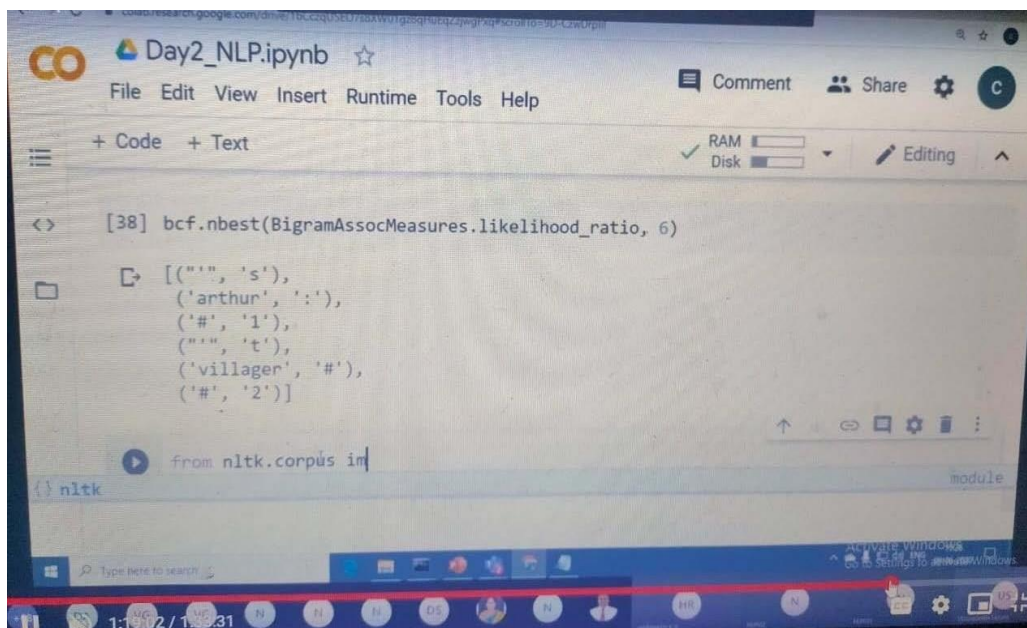
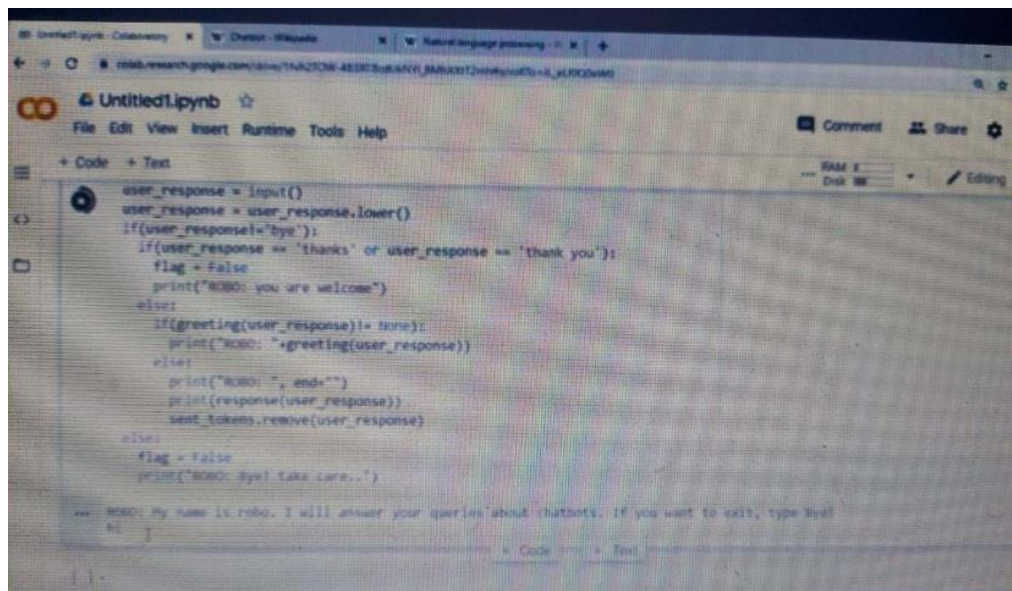


Fig-4: Tokenization and Lemmatization

Day 3: 10/06/2020

Topic: Working on Parts of Speech importance

- Categorizing and Tagging words
- Chunking and Text Classification



```
user_response = input()
user_response = user_response.lower()
if(user_response=="bye"):
    if(user_response == 'thanks' or user_response == 'thank you'):
        flag = False
        print("ROBO: you are welcome")
    else:
        if(greeting(user_response)!= tone):
            print("ROBO: "+greeting(user_response))
        else:
            print("ROBO: ", end="")
            print(response(user_response))
            sent_tokens.remove(user_response)
    else:
        flag = False
        print("ROBO: bye! take care...")

ROBO: My name is robo. I will answer your queries about chatbot. If you want to exit, type Bye!
hi
```

Fig-5: Working with parts of speech

At the end of the session, vote of thanks was given by Dr.O.Rama Devi, Coordinator of the FDP in which she has been paid her gratitude towards all the participants who has spared their valuable time for attending this FDP. She also expressed the gratitude to the Resource Person, Mr. Sriram Uppugundla for giving his valuable time for our participants and sharing his knowledge to them.

Nevertheless, she has given thanks to our Principal, Dr. K. Appa Rao and Dr. D. Veeraiah, HOD, CSE Department, “We are highly thankful to the Principal and Head of the Department for giving a chance to organize this FDP in our campus and hope we will find the support in future also for organizing such kind of activities.”

Feedback from the Participants:

The feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the FDP on latest trends in Research as well as Industry. They have learned a lot on ‘Data Science behind Natural Language Processing’ in both theoretical and practical manner. They said that, this program was very useful and helpful for them in their research work and guiding the projects to the students. All the participants appreciated the sessions by our Resource Person and the arrangements made by the organizers.


Coordinator
(Dr.O.Rama Devi)


Convener
(Dr. D. Veeraiah)


Principal
(Dr. K. Appa Rao)



REPORT
on
A ONE-WEEK SHORT-TERM TRAINING PROGRAMME
on
“Fundamentals of MS Office: With Hands-On Session for Supporting Staff”
(09th – 16th June 2020)

Lakireddy Bali Reddy College of Engineering (A) has organized A One Week Short-Term Training Programme on “Fundamentals of MS Office: With Hands-On Session for Supporting Staff” from 09th – 16th June 2020. This training program was organized by Department of CSE and have received an overwhelming response with more than 100 registrations from all the departments of our college. Out of them, we have shortlisted only 38 participants by giving more preference to the Record Assistants and Lab Assistants.

Date: 09/06/2020

Inauguration:

STTP was inaugurated on 09/06/2020 by **Dr. D. Veeraiah, Professor and HOD, CSE Department and Convener of STTP** along with the **Resource Persons, Mr. Sk. Johny Basha, Mr. K. Sundee Saradhi, Mr. R. Sridhar** and **Coordinators of STTP, Mr. Shaik Johny Basha, Assistant Professor, CSE Department, Mr. S. Srinivasa Reddy, Assistant Professor, CSE Department, Mr. J. Nageswara Rao, Sr. Assistant Professor, CSE Department.**

Mr. S. Srinivasa Reddy, Coordinator of STTP, has welcomed all the delegates and participants to the STTP. In his speech, Mr. Reddy has highlighted the main objective and importance of this Short-Term Training Programme. Along with this, he gave a brief intro about how the selection process has done and why we have given preference to the record assistants and lab assistants.

In his Inaugural Speech, **our HOD, Dr. D. Veeraiah**, gave his insights about the MS Office Tool. And, he added that the technology has been evolved from Manual Documents to

the Automated Documents using MS Word, Excel and PowerPoint. So, everyone should get knowledge on this to manage the documents in the departments easily and effectively.

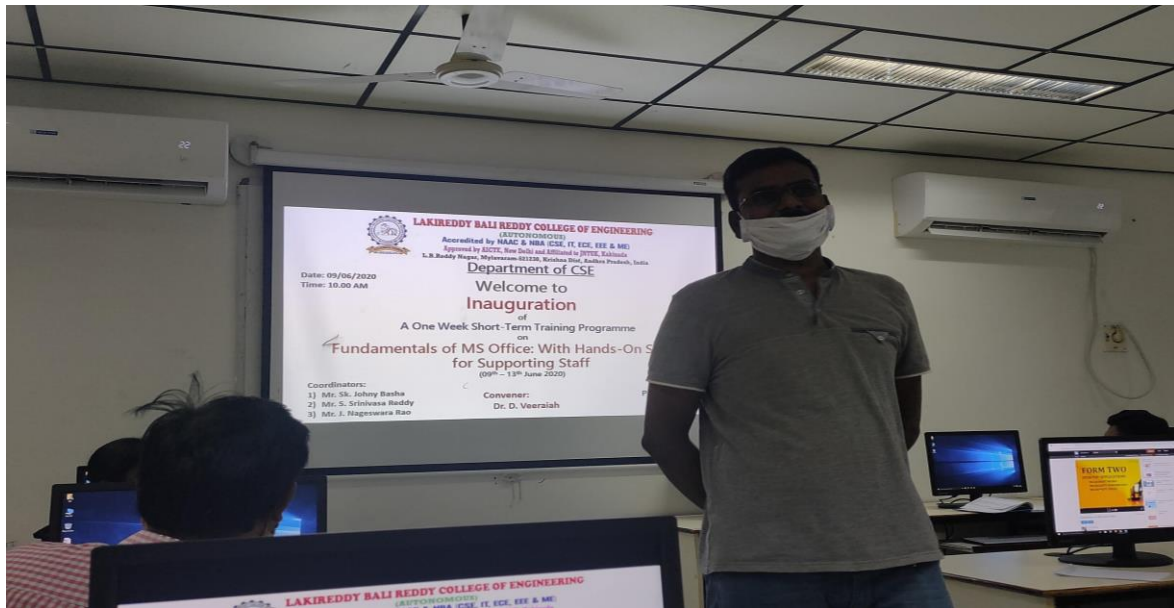


Fig. 1: 09/06/2020 - Inaugural Speech by our HOD Dr. D. Veeraiah



Fig. 2: 09/06/2020 - Inaugural Speech by our HOD Dr. D. Veeraiah

Day 1: 09/06/2020

Topic: Concepts of MS Word

Resource Person: Mr. Shaik Johny Basha, CSE Department, LBRCE

Our Resource Person, **Mr. Shaik Johny Basha**, started his lecture by giving clear insights on how the documents are useful in the department. Then he started his session by giving clear lecture on basics and advanced concepts of document writing. Also, he stated the graphics such as images, 3D Shapes insertions, etc in the Word.



Fig. 3: 09/06/2020 – Session by Mr. Sk. Johny Basha on Concepts of MS-Word

Day 2: 10/06/2020

Topic: Basics of MS Excel

Resource Person: Mr. K. Sundeep Saradhi, CSE Department, LBRCE

Our Resource Person, **Mr. K. Sundeep Saradhi**, started his lecture by giving clear insights on the usage of Excel in the Departments. Then he started his lecture by giving insights on the basics of Excel and the different concepts such as formatting, conditions, filters, sorting etc.



Fig. 4: 10/06/2020 – Session by Mr. K. Sundeep Saradhi on Basics of MS Excel

Day 3: 11/06/2020

Topic: Advanced Concepts of MS Excel Part-1

Resource Person: Mr. Shaik Johny Basha, CSE Department, LBRCE

Our Resource Person, **Mr. Shaik Johny Basha**, started his lecture by giving clear insights on the previous day topic. Then he started his session by giving clear lecture on advanced concepts of Excel for performing different mathematical operations, searching, sorting etc. Also, he stated the graphics such as images, 3D Shapes insertions, etc in the Excel.

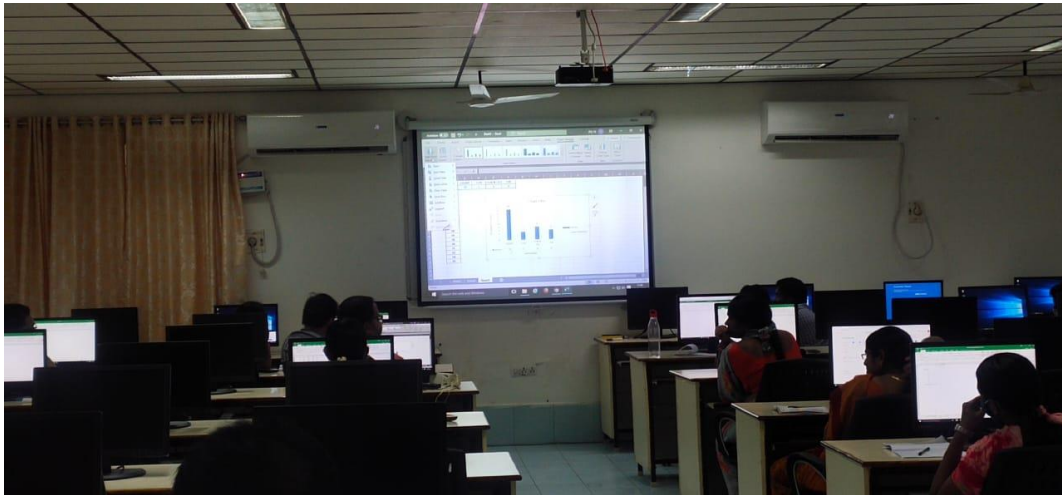


Fig. 5: 11/06/2020 – Session by Mr. Sk. Basha on Advanced Concepts of MS-Excel

Day 4: 12/06/2020

Topic: Advanced Concepts of MS Excel Part-2

Resource Person: Mr. K. Sundeeep Saradhi, CSE Department, LBRCE

Our Resource Person, **Mr. Shaik Johny Basha**, started his lecture by giving clear insights on the previous day topic. Then he started his session by giving clear lecture on advanced concepts of Excel for performing important operations such as VLOOKUP, LOOKUP, Data Transfer between Sheets, Forms Creation, Security etc.



Fig. 6: 12/06/2020 – Session by Mr. K. Saradhi on Advanced Concepts of MS-Excel

Day 5: 15/06/2020

Topic: Concepts of MS PowerPoint

Resource Person: Mr. K. Sundeep Saradhi, CSE Department, LBRCE

Our Resource Person, **Mr. K. Sundeep Saradhi**, started his lecture by giving clear insights on the MS PowerPoint. Then he started his session by giving clear lecture on how the presentation must prepare, slides should be organized, videos can be added, animations to the content etc. has been delivered.



Fig. 7: 15/06/2020 – Session by Mr. K. Saradhi on MS PowerPoint

Day 6: 16/06/2020

Topic: Document Automation using G Suite

Resource Person: Mr. Shaik Johny Basha, CSE Department, LBRCE

Our Resource Person, **Mr. Shaik Johny Basha**, started his lecture by giving clear insights on the importance of Document Automation. Then he started his lecture and gave insights on Google Forms, collecting and sharing the data using Google Sheets, OneDrive usage for file transfer and sharing.



Fig. 8: 16/06/2020 – Session by Mr. Sk. Basha on Document Automation using G-Suite

Date: 16/06/2020

Valedictory Session:

On the Valedictory Session, **our Principal, Dr. K. Appa Rao**, joined the session as a Chief Guest along with **Dr. D. Veeraiah, Professor and HOD, CSE Department and Convener of STTP** and the **Resource Persons, Mr. Sk. Johny Basha, Mr. K. Sundeeep Saradhi, Mr. R. Sridhar** and **Coordinators of STTP, Mr. Shaik Johny Basha, Assistant Professor, CSE Department, Mr. S. Srinivasa Reddy, Assistant Professor, CSE Department, Mr. J. Nageswara Rao, Sr. Assistant Professor, CSE Department.**

Dr. K. Appa Rao, Principal, LBRCE(A), in his valedictory addressing, thanked every participant of STTP and he thanked our Resource Persons, Mr. Basha, Mr. Saradhi and Mr. Sridhar for taking their 6 days of time to our STTP and congratulated the Program Convener Dr. D. Veeraiah and Coordinator Mr. Shaik Johny Basha for organizing the STTP in a successful manner. Further, he appreciated all the Teaching and Non-Teaching Staff Members of CSE Department for promoting such kind of development programme for the supporting staff.

At the end of the valedictory session, vote of thanks was given by **Mr. J. Nageswara Rao, Coordinator of the STTP** in which he has been paid his gratitude towards all the participants who has spared their valuable time for attending this STTP. He also expressed the gratitude to the Resource Persons, Principal, Head of the Department and Management for giving this valuable opportunity for our participants and sharing their knowledge to them.

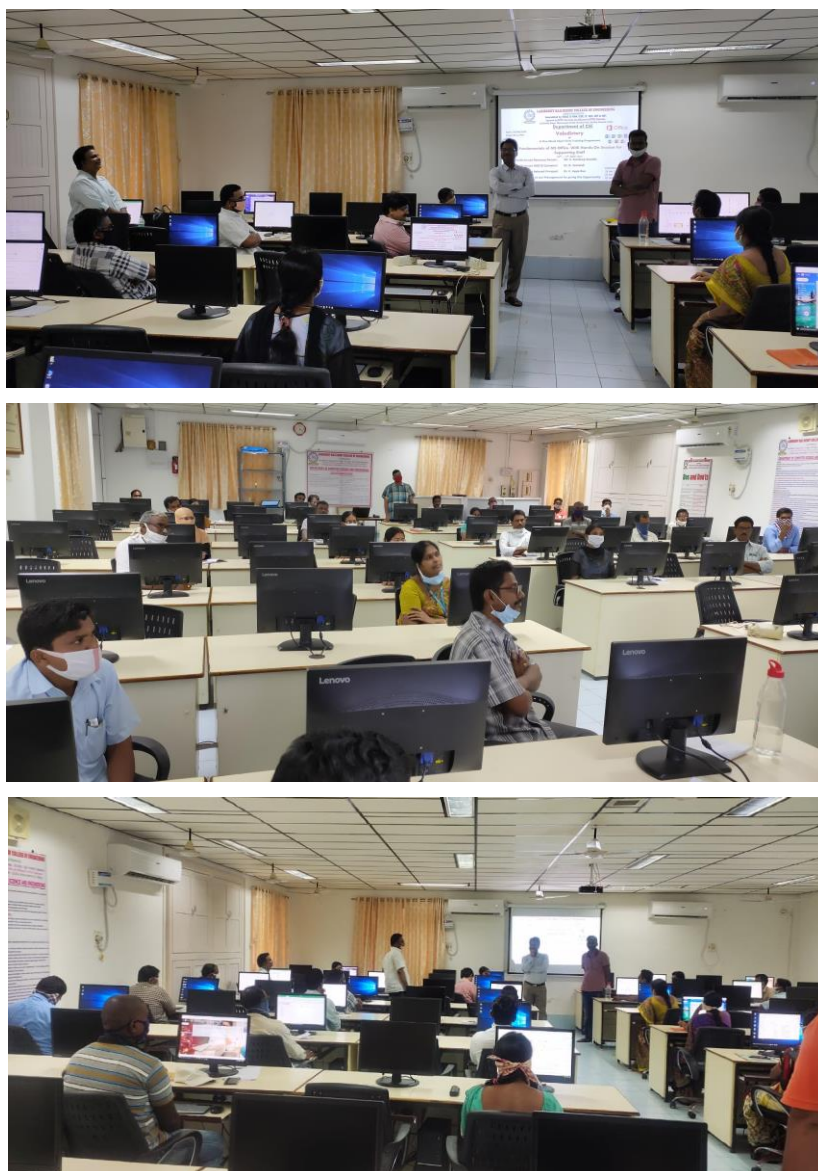
Nevertheless, he has given thanks to our Principal, Dr. K. Appa Rao and Dr. D. Veeraiah, HOD, CSE Department, “We are highly thankful to the Principal and Head of the Department for giving a chance to organize this STTP in our campus and hope we will find the support in future also for organizing such kind of activities.”




Fig. 9: 16/06/2020 – Dr. K. Appa Rao, Principal addressing the participants in Valedictory

Feedback from the Participants:


The feedback of the participants was very positive and motivational for the organizers. The participants felt very happy for conducting the STTP on MS Office which is very useful for them in Day-to-Day activities. They have learned a lot on MS Office in both theoretical and practical manner. They said that this program was very useful and helpful for them in their works and career also. All the participants appreciated the sessions by our Resource Person and the arrangements made by the organizers.



**Fig. 10, 11, 12: 16/06/2020 – Dr. K. Appa Rao, Principal, and Dr. D. Veeraiah, HOD
listening to the Feedback from Participants**


Coordinator
(Mr. Sk. Johny Basha)


Convener
(Dr. D. Veeraiah)


Principal
(Dr. K. Appa Rao)