



# **Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING**

**The Society For Collegiate Education**

**Affiliated to Andhra University, Approved by AICTE**

# 52-14-75, Resapuvanipalem, Visakhapatnam - 530 013.

Ph : Off : 0891-2703293, 2703296

Email : principal@lbce.edu.in Website : www.lbce.edu.in

**6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

The IQAC has been continuously guiding the following quality assurance strategies and processes at all levels of the institution.

1. Innovative Teaching Methods for Outcome Based Education
2. Skill development of Students

## **1. Innovative Teaching Methods for Outcome Based Education**

Dr.Lankapalli Bullayya College of Engineering (LBCE) has been implementing strong Teaching Learning Process. IQAC has been guiding the faculty members to implement the outcome based Education through traditional and Innovative Teaching Learning methods. IQAC has been insisting all the departments to implement the innovative teaching methodologies like Teaching with ICT Tools, Participatory Learning, Experiential Learning, Flipped/Blended Learning, Project based Learning, Activity Based Learning.

At the beginning of the Semester, IQAC instructs all the faculty members to prepare the Lesson Plan of courses by incorporating the traditional and Innovative Teaching Learning methods. IQAC also suggests to prepare the Course Outcomes for each course. Faculty members carryout the Course Outcomes attainment of their respective courses after release of End Examination results by the university. IQAC reviews the Attainment of Course Outcomes and advises the faculty members to implement the Teaching Learning Methods to improve the CO attainment and set the new targets for CO attainment of the respective courses in the next academic year. Thus the outcome based education has been implemented through a proper Teaching Learning process. This is one of the quality assurance strategy. This has been institutionalized as a result of IQAC initiative.

## **2. Skill Development**

The Quality of Education can be measured by the attainment of Skills by the Students. IQAC has been insisting on Skill Development of Students. Dr.Lankapalli Bullayya College of Engineering has setup the Skill Development Centre (SDC) to impart the training to students on different skills on par with the regular academics. In accordance of the Vision of the College to create Value added Citizens with a world view of empowering themselves and the society through the tool of education, the Skill Development Centre works in tandem with all the departments by inculcating the right admixture of attitude and aptitude essential for students to perform and outshine others on a global scale. To achieve this, the Skill Development Centre practices two different types of training, Campus Recruitment Training as well as Campus Specific Training. In the former students are trained on the overall set of skills required to face a recruitment drive from any company whereas in the latter students are trained in domain specific areas particular to various organizations. i.e., The Skill Development Centre conducts the Training programmes on Soft Skills, Language and Communication Skills, Latest Technologies as per the industry requirement which are very helpful for the students.

The Skill Development Centre aims to create a skill set that is on par with the industry standards by conducting the iterative cycle of continuous assessment, evaluation, feedback and guidance till the required benchmarks are reached. IQAC guides SDC towards improving their Training Mechanism.

Dr.Lankapalli Bullayya College of Engineering has received the Skill Development Leadership Award during the World HRD Congress held at the Taj Lands End, Mumbai on 15-02-2023.

Thus Internal Quality Assurance Cell (IQAC) has been contributing for institutionalizing these quality assurance strategies and processes.

**TIMES ascent** Presents



# THE SKILL DEVELOPMENT LEADERSHIP AWARDS

Presented to



## Dr. Lankapalli Bullayya College of Engineering



15th February, 2023 | Taj Lands End, Mumbai

  
**Dr. R. L. Bhatia**  
Farmer; Founder, World CSR Day™  
Founder, World Sustainability



  
**Sandesh Gharu**  
Project Head

Academic Partner



Endorsed by





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## DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Innovative Teaching Methods

**PROGRAM** : B.Tech CSE  
**CLASS AND SEMESTER** : IB.Tech., I-Sem., CSE, Section-B  
**ACADEMIC YEAR** : 2020-2021  
**COURSE NAME & CODE** : English  
**COURSE INSTRUCTOR** : Dr V Radha Devi  
**DATE** : 10 Feb 2022  
**NAME OF THE METHOD** : Activity Based Learning

### Team Building Activities

Improving students' communication skills can improve productivity and their success at all levels. It also allows them to enhance and showcase their talents. Team-building activities are a fun and educational way for the students to improve team-wide communication, although identifying the right activity can take some time and research. Teambuilding activities have been conducted to the first-year CSE B students to develop rapport and interpersonal skills, the activities are namely,

1. Seven Up
2. Wall, Gun, Rabbit
3. Reverse the circle
4. Blind fold

The students actively participated in the activities and they could learn how individuals think, communicate and solve problems. Team-building activities are both educational as well as fun.

The advantages of these activities are:

1. Enhances team spirit
2. Improves effective communication
3. Develops leadership skills
4. Improves creativity
5. Provides platform to showcase talent
6. Get engaged in work and focus on goals
7. Problem Solving skills
8. Conflict Management





Division of teams and instructions being given



Team Activity 1 in Progress



Prize Distribution

V. Radha Devi  
Course Instructor

*[Handwritten Signature]*  
HOD

*[Handwritten Signature]*  
Principal



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### DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

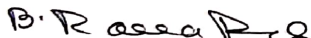
#### Innovative Teaching Methods

<b>PROGRAM</b>	: B.Tech CSE
<b>CLASS AND SEMESTER</b>	: I B.Tech., I-Sem, CSE, Section-B
<b>ACADEMIC YEAR</b>	: 2022-2023
<b>COURSE NAME &amp; CODE</b>	: Physics
<b>COURSE INSTRUCTOR</b>	: Dr B Rama Rao
<b>DATE</b>	: 23-02-2023
<b>Name of the Method</b>	: Teaching using LCD Projector
<b>TOPIC</b>	: Electromagnetism introduction



During the 19th century a unified theory was constructed, describing electricity, magnetism, and optics, based on the electromagnetic field. The word "electric" was coined by William Gilbert as a name for the phenomena of static electricity. The origin of the word is from the Greek "electron" which means amber. Amber is a fossilized plant resin, an electrical insulator which, when rubbed with animal fur, acquires the ability to attract small bits of matter such as straw or paper. This primitive example of static electricity was known to the philosophers of ancient Greece. The word "magnetic" was also coined by Gilbert as a name for the phenomena of ferromagnetism. The origin of this word is the Greek place-name "Magnesia," which was a region of ancient Greece where magnetic iron ore (magnetite) occurs in the Earth. The forces between

natural magnets were also known to the philosophers of ancient Greece. These earliest observed electric and magnetic phenomena must have seemed interesting (in the way of a mystery) to philosophers, but they had no practical importance. In contrast, the scientific study of electricity and magnetism during the past 400 years has dispelled much of the mystery, and created technological power that the ancients could not have imagined. The study of electricity and magnetism was an early part of the scientific revolution. In 1600 Gilbert published an important book, *De Magnete*, one of the first scientific works on electricity and magnetism. It was Gilbert who demonstrated that a compass needle points north because the Earth itself is a large magnet exerting a magnetic force on the magnetized needle. Regarding electricity, Gilbert discovered that many substances besides amber exhibit static electricity from friction, including glass, sulphur, sealing wax, and gemstones

  
Course Instructor

  
HOD

  
Principal







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### DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

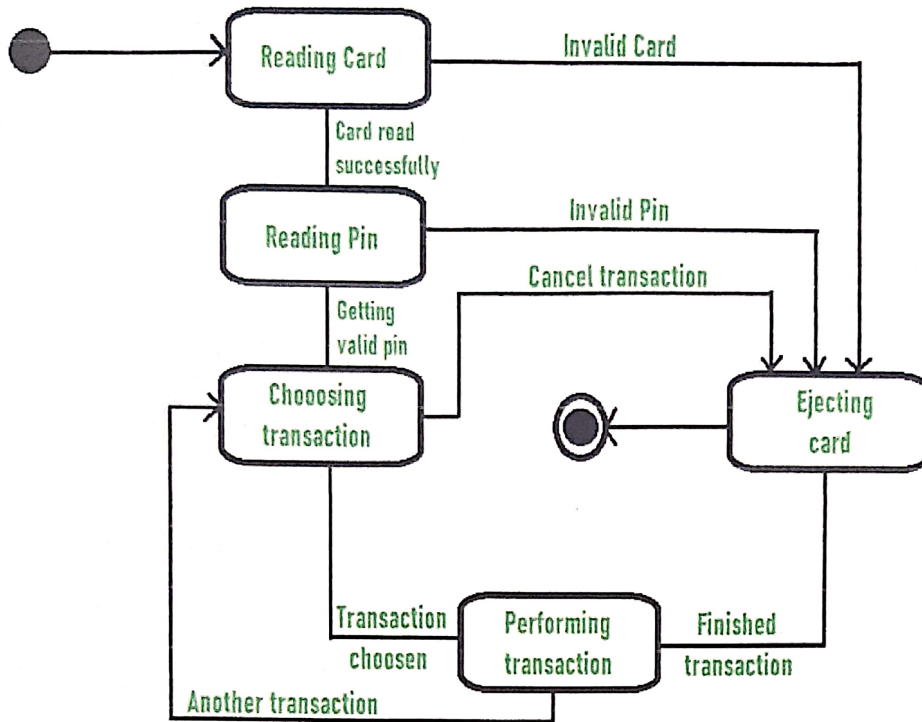
**PROGRAM** : B. Tech CSE  
**CLASS and Semester** : II B.Tech., II-Sem., CSE, Section-A  
**ACADEMIC YEAR** : 2022-2023  
**COURSE NAME & CODE** : FLAT  
**COURSE INSTRUCTOR** : Mrs. Rajyalaxmi Pedada  
**TOPIC** : Regular Expressions  
**DATE** : 04-05-2023  
**TEACHING METHOD** : Teaching Through LCD Projector

### Learning through analyzing Case study:

Many students are more inductive than deductive reasoners, which means that they learn better from examples than from logical development starting with basic principles. The use of case studies can therefore be a very effective classroom technique.



II/IV B.Tech CSE students discussing about ATM transactions



## State Transition Diagram for ATM System

A **regular expression** (shortened as **regex** or **regexp**),<sup>[1]</sup> sometimes referred to as **rational expression**,<sup>[2][3]</sup> is a sequence of characters that specifies a match pattern in text. Usually such patterns are used by string-searching algorithms for "find" or "find and replace" operations on strings, or for input validation. Regular expression techniques are developed in theoretical computer science and formal language theory.

Regular expressions are used in search engines, in search and replace dialogs of word processors and text editors, in text processing utilities such as sed and AWK, and in lexical analysis. Regular expressions are supported in many programming languages.

*P. Ravi*  
Class Instructor

*[Signature]*  
HOD

*[Signature]*  
Principal



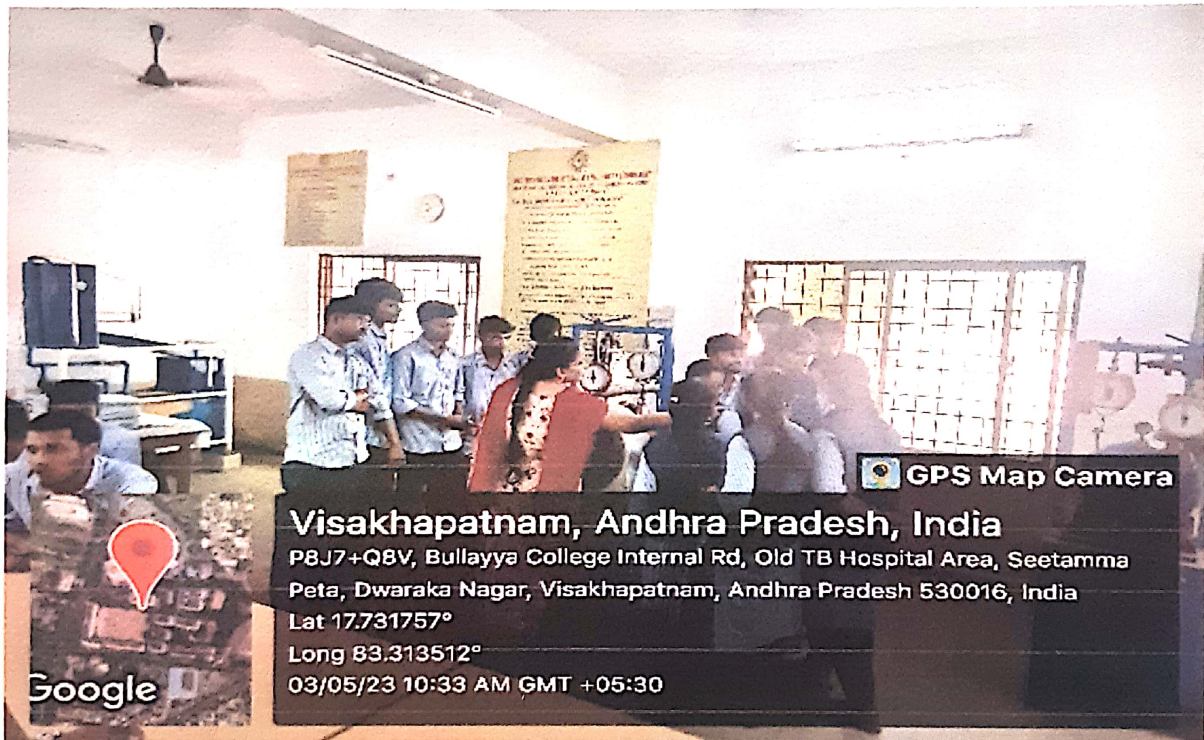
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## DEPARTMENT OF CIVIL ENGINEERING

### Innovative Teaching Methods

**PROGRAM** : B.Tech  
**CLASS** : II B.Tech II-Sem., Civil Engineering  
**ACADEMIC YEAR** : 2022-2023  
**COURSE NAME & CODE** : Fluid Mechanics- II CE2202  
**COURSE INSTRUCTOR** : M. Amareswari Reddy  
**NAME OF THE METHOD** : Experiential learning  
**DATE** : 03-05-2023  
**TOPIC** : Pelton Turbine

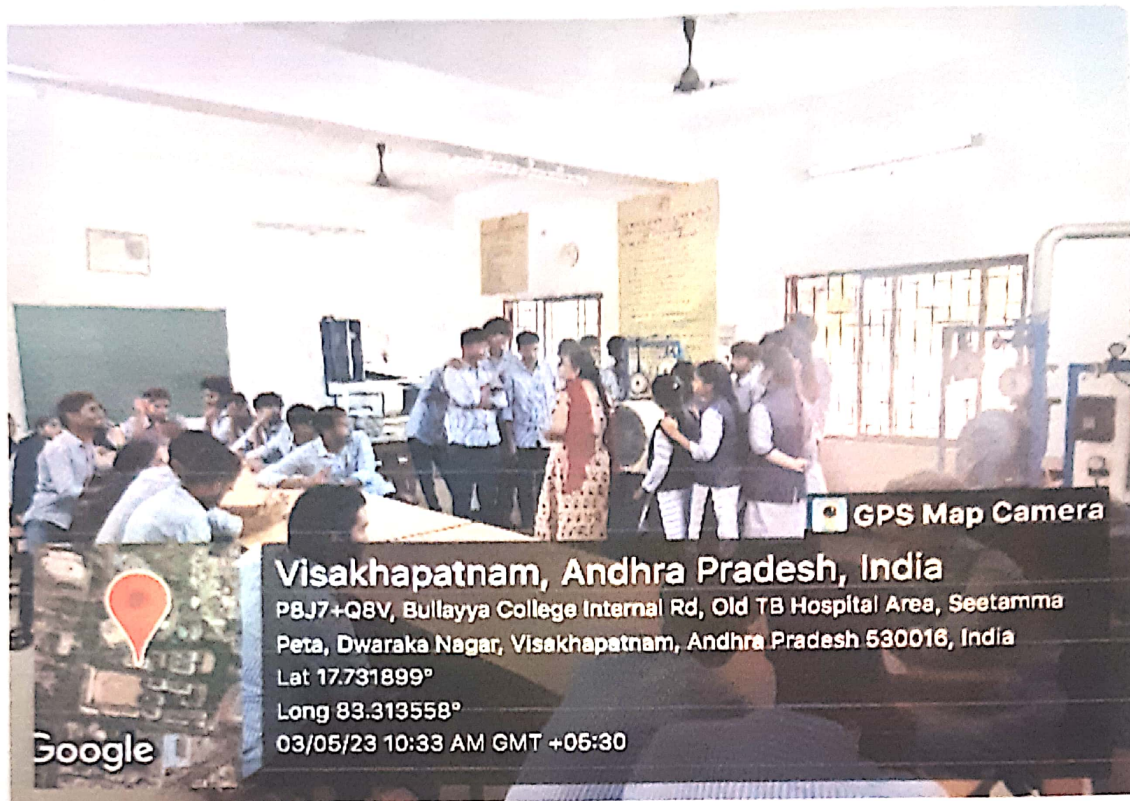


#### Description:

The Pelton wheel or Pelton Turbine is an impulse-type water turbine invented by American inventor Lester Allan Pelton (1829-1908) in the 1870s. The Pelton wheel extracts energy from the impulse of moving water, as opposed to water's dead weight like the traditional overshot water wheel. Pelton wheel is an impulse turbine, which is used to utilize high heads for conversion of hydraulic energy into mechanical energy which in turn can be transformed into electrical energy by coupling shafts of turbine and generator.



All the available head is converted into velocity energy by means of spear and nozzle arrangement. The water leaves the nozzle in jet formation. The jet of water then strikes the buckets of the Pelton wheel runner. The buckets are in the shape of double semi-ellipsoidal cups, joined at the middle portion by a vertical splitter.



**Description:**

The jet strikes the sharp edged splitter of the buckets with least resistance and shock. Then the jet slides along the path of the cup, and the jet is deflected through more than 160° to 170°. The dynamic force of the jet on the buckets causes the wheel to rotate and hence the shaft also is rotated. A brake pulley or brake drum is fitted to the shaft. A rope is wound round the pulley with one end of the rope connected to spring balance at top and the other lower end of the rope to a weight hanger for placing loads. Tachometer is used to record shaft speeds. The Pelton Wheel is supplied with water under high pressure by centrifugal pump. The water is conveyed through Venturimeter to the Pelton wheel. The Venturimeter with manometer connection is used to determine the discharge of the water in the pipe. The nozzle opening can be decreased by operating the spear wheel at the entrance side of the turbine. Pelton wheel turbines are best suited at high heads and specific speed range varies from 10 to 100.

*H. Anand Kumar Reddy*  
 Class Instructor

*G. T. P. Naed*  
 HOD  
 Head of the Dep  
 Dept. of Civil Engineering  
 Dr. Lankapalli Bullayya College of Engg. for Women  
 Visakhapatnam-530013

*N. N. N. N. N.*  
 Principal



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### DEPARTMENT OF CIVIL ENGINEERING

PROGRAM : B.Tech  
CLASS AND SEMESTER : III B.Tech.I Sem  
ACADEMIC YEAR : 2022-2023  
COURSE NAME & CODE : Air Pollution Control  
COURSE INSTRUCTOR : B.Ramya  
TEACHING METHOD : Participatory Learning  
DATE : 03-11-2022  
TOPIC : Basics of Civil Engineering



Students participating in Quiz Competition



Students participating in the Activity

## About the Quiz:

### Objectives:

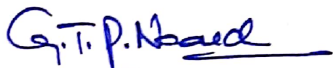
- To create platform for Students to show case their talent.
- To create awareness on Innovations, prototype development and technological advancements in Engineering.
- To make students work on formulating Ideas.

### Outcomes:

- Participants have actively involved in all the activities and had an opportunity to explore the technical innovations.
- Participants were exposed to identifying the learned knowledge in able to integrate with practical approach.

Students actively involved in the session and answered the questions

  
Course Instructor

  
HOD  
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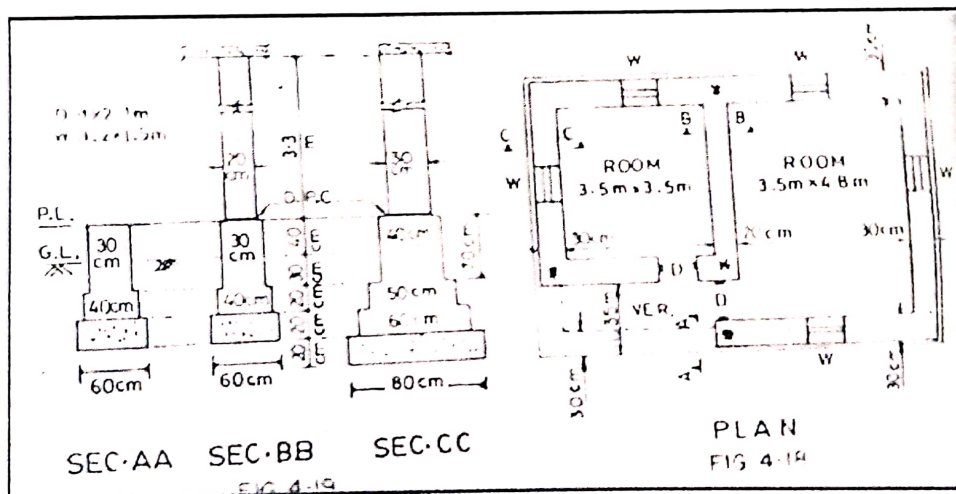
## DEPARTMENT OF CIVIL ENGINEERING

**PROGRAM** : B. Tech CIVIL  
**CLASS AND SEMESTER** : III B. Tech., II-Sem. CIVIL  
**ACADEMIC YEAR** : 2022-2023  
**COURSE NAME & CODE** : ENGINEERING, ECONOMICS ESTIMATION & COSTING –CV3201  
**COURSE INSTRUCTOR** : ARUNIMA.M  
**DATE** : 28-02-23  
**NAME OF THE METHOD** : PROBLEM SOLVING (TUTORIAL)

### TOPIC: Building Estimate

1. Estimate the quantities of following item of works from the Double room building with a verandah shown in Fig. 4-18 below

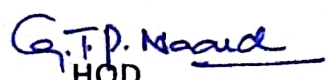
a) Earthwork in Excavation in foundation, b) Lime concrete in Foundation, c) 1" class brickwork in superstructure in lime mortar.



2. Prepare a rate analysis for the following items of work.

- R.R Masonary in CM 1:5 for foundations and basement .
- Cement concrete (1:4:8)

  
Course Instructor

  
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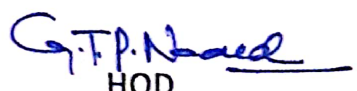
## DEPARTMENT OF CIVIL ENGINEERING

**PROGRAM** : B. Tech CIVIL  
**CLASS AND SEMESTER** : IV B. Tech., I-Sem. CIVIL  
**ACADEMIC YEAR** : 2022-2023  
**COURSE NAME & CODE** : Environmental Impact Assessment CE 4106A  
**COURSE INSTRUCTOR** : D V Vara Manasa  
**DATE** : 09-07-2022  
**NAME OF THE METHOD** : PROBLEM SOLVING (TUTORIAL)

**TOPIC:** Identification, prediction and analysis of impact

1. Discuss the importance of baseline data collection in impact assessment
2. What is meant by the prediction of impacts? Explain the role of EIA experts in it
3. Which aspects of the land environment should be checked for a developmental project?

  
Course Instructor

  
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### DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

**PROGRAM** : B.Tech CSE  
**CLASS AND SEMESTER** : III B.Tech., I-Sem., CSE  
**ACADEMIC YEAR** : 2022-2023  
**COURSE NAME & CODE** : Compiler Design  
**COURSE INSTRUCTOR** : Mrs. P. RajyaLakshmi  
**DATE** : 30-09-2022  
**NAME OF THE METHOD** : Problem Solving (TUTORIAL)

#### TOPIC: Syntax Analysis

1. construct LL(1) parse table for the grammar  
 $S \rightarrow ABC \mid A \rightarrow a \mid CB \rightarrow b \mid C \rightarrow c$
2. Explain the FIRST and FOLLOW
3. Construct SLR parsing table for following grammar:  
 $E \rightarrow E + T \mid T$   
 $T \rightarrow T * F \mid F$   
 $F \rightarrow (E) \mid id.$
4. Verify whether string  $\backslash id+(id+id) \backslash$  is accepted by following grammar or not by using predictive parsing:  
 $E \rightarrow TE'$   
 $E' \rightarrow +TE' \mid e$   
 $T \rightarrow FT'$   
 $T' \rightarrow *FT' \mid e$   
 $F \rightarrow (E) \mid id.$
5. Explain Left recursion elimination
6. Construct Canonical LR parsing table for the following grammar  
 $S \rightarrow CC$   
 $C \rightarrow cC \mid d$

  
Course Instructor

  
HOD

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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

PROGRAM	: B. Tech EEE
CLASS AND SEMESTER	: II B. Tech., I-Sem. EEE
ACADEMIC YEAR	: 2022-2023
COURSE NAME & CODE	: Electrical Machines-I & EE 2104
COURSE INSTRUCTOR	: CH. Ravi Kumar
DATE	: 04-11-2022
NAME OF THE METHOD	: PROBLEM SOLVING (TUTORIAL)

### TOPIC: DC Generators and DC Motors

1. A 4-pole machine running at 1500rpm has an armature with 90 slots and 6 conductors per slot. The flux per pole is 10mwb. Determine the terminal e.m.f. as D.C. Generator if the coils are Lap connected. If the current per conductor is 100A, determine the electrical power generation.
2. A DC Motor takes an armature current of 110A at 480V, The armature circuit resistance is 0.2ohm. The machine has 6 poles and the armature is lap connected with 864 conductors. The flux per pole is 0.05wb. Calculate(i) the speed and (ii) the gross torque developed by the armature.

  
Course Instructor

  
HOD



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## DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Program : B.TechCSE  
Class And Semester : IB.Tech., I-Sem., CSE-B  
Academic Year : 2022-2023  
Course Name & Code : Mathematics-I, CS1101  
Course Instructor : Dr G V Vijayalakshmi  
Teaching Method : Problem Solving (Tutorial)  
Date : 01-12-2022  
Topic : Euler's Theorem and Mean Value Theorems

1. If  $u = \tan^{-1}\left(\frac{x^3 + y^3}{x - y}\right)$ , then prove that  $x \frac{\partial u}{\partial x} + y \frac{\partial u}{\partial y} = \sin 2u$
2. If  $z = x\phi\left(\frac{y}{x}\right) + \psi\left(\frac{y}{x}\right)$  then prove that  $x^2 \frac{\partial^2 z}{\partial x^2} + 2xy \frac{\partial^2 z}{\partial x \partial y} + y^2 \frac{\partial^2 z}{\partial y^2} = 0$
3. If  $f(x) = \sin^{-1} x$ , where  $0 < a < b < 1$  and use Mean value theorem prove that

$$\frac{b-a}{\sqrt{1-a^2}} < \sin^{-1} b - \sin^{-1} a < \frac{b-a}{\sqrt{1-b^2}}$$

G. V. Lakshmi

Course Instructor

V. Radha Devi

HOD





## DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

Program : B.Tech CSE  
Class And Semester : IB.Tech., II-Sem.,CSE-B  
Academic Year : 2022-2023  
Course Name & Code: Engineering Physics (1202)  
Course Instructor : Dr B.Rama Rao  
Teaching Method : Problem Solving (Tutorial)  
Date : 24-04-23  
Topic : Thermodynamics(Carnot's Engine)

1. During a cyclic process, a heat engine absorbs 500 J of heat from a hot reservoir, does work and ejects an amount of heat 300 J into the surroundings (cold reservoir). Calculate the efficiency of the heat engine?

### *Solution*

The efficiency of heat engine is given by

$$\eta = 1 - \frac{Q_L}{Q_H}$$

$$\eta = 1 - \frac{300}{500} = 1 - \frac{3}{5}$$

$$\eta = 1 - 0.6 = 0.4$$

$$\mu = 1 - 0.6 = 0.4$$

The heat engine has 40% efficiency, implying that this heat engine converts only 40% of the input heat into work.

2. A steam engine boiler is maintained at 250°C and water is converted into steam. This steam is used to do work and heat is ejected to the surrounding air at temperature 300K. Calculate the maximum efficiency it can have?

### *Solution*

The steam engine is not a Carnot engine, because all the process involved in the steam engine are not perfectly reversible. But we can calculate the maximum possible efficiency of the steam engine by considering it as a Carnot engine.

$$\eta = 1 - \frac{T_L}{T_H} = 1 - \frac{300K}{523K} = 0.43$$

The steam engine can have maximum possible 43% of efficiency, implying this steam engine can convert 43% of input heat into useful work and remaining 57% is ejected as heat. In practice the efficiency is even less than 43%.

3. There are two Carnot engines A and B operating in two different temperature regions. For Engine A the temperatures of the two reservoirs are 150°C and 100°C. For engine B the temperatures of the reservoirs are 350°C and 300°C. Which engine has lesser efficiency?

**Solution**

The efficiency for engine A =  $1 - 373/423 = 0.11$ . Engine A has 11% efficiency

The efficiency for engine B =  $1 - 573/623 = 0.08$

Engine B has only 8% efficiency.

Even though the differences between the temperature of hot and cold reservoirs in both engines is same, the efficiency is not same. The efficiency depends on the ratio of the two temperatures and not on the difference in the temperature. The engine which operates in lower temperature has highest efficiency.

B. R. *oera* *Pal*  
Course Instructor

V. Radha Devi  
HOD



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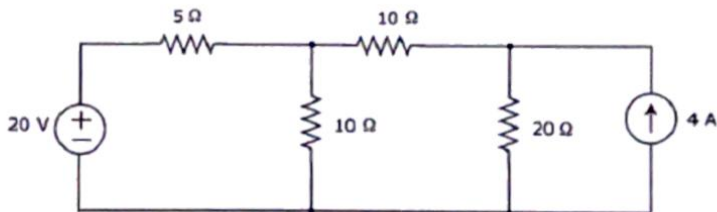
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## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

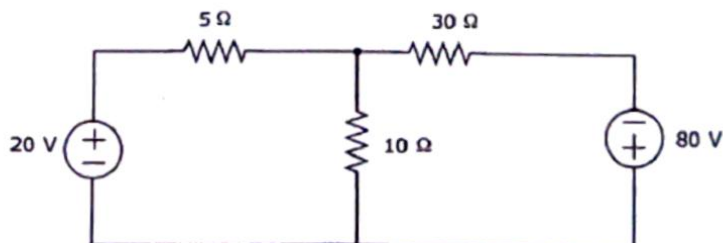
PROGRAM	: B.Tech EEE
CLASS AND SEMESTER	: II B. Tech., I-Sem. EEE
ACADEMIC YEAR	: 2021-2022
COURSE NAME & CODE	: Network Theory & EE2102
COURSE INSTRUCTOR	: Dr. Anand Gondesl
DATE	: 07-12-2021
NAME OF THE METHOD	: PROBLEM SOLVING (TUTORIAL)

### TOPIC: Mesh Analysis and Superposition Theorem

1. Find the current flowing through  $20\ \Omega$  resistor of the following circuit using superposition theorem.



2. Find the voltage across  $30\ \Omega$  resistor using Mesh analysis.



  
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<b>ACADEMIC YEAR</b>	: 2022-2023
<b>COURSE NAME &amp; CODE</b>	: Electrical Machines-I & EE 2104
<b>COURSE INSTRUCTOR</b>	: CH. Ravi Kumar
<b>DATE</b>	: 04-11-2022
<b>NAME OF THE METHOD</b>	: PROBLEM SOLVING (TUTORIAL)

### TOPIC: DC Generators and DC Motors

1. A 4-pole machine running at 1500rpm has an armature with 90 slots and 6 conductors per slot. The flux per pole is 10mwb. Determine the terminal e.m.f. as D.C. Generator if the coils are Lap connected. If the current per conductor is 100A, determine the electrical power generation.
2. A DC Motor takes an armature current of 110A at 480V, The armature circuit resistance is 0.2ohm. The machine has 6 poles and the armature is lap connected with 864 conductors. The flux per pole is 0.05wb. Calculate(i) the speed and (ii) the gross torque developed by the armature.

  
Course Instructor

  
HOD



**Report**  
**on**  
**5 Day PYTHON Workshop**  
**(01-08-2022 to 06-08-2022)**



**Organized**  
**By**  
**Skill Development Center**  
**Dr.Lankapalli Bullayya College of Engineering**



**Dr.Lankapalli Bullayya College of Engineering**  
***Sponsored by the Society for Collegiate Education***  
***Approved by AICTE, Affiliated to Andhra University***  
**52-14-75 Survey No:44, National Highway 16, Near, Rama Talkies Rd, Old TB Hospital**  
**Area, Resapuvanipalem, Dwaraka Nagar, Visakhapatnam, AP 530013.**  
**Website: [www.lbce.edu.in](http://www.lbce.edu.in)**



Dr. Lankapalli Bullayya College of Engineering,

Visakhapatnam – 13

No DLBCE/2022-23/ 7 /

Dt. 26-07-2022

OFFICE NOTE SUBMITTED TO THE SECRETARY & CORRESPONDENT

Sub: Request for according approval for conducting the proposed 5 days classes for CIVIL, ECE, EEE students on Python Programming and Web Designing – collecting Rs.350/- per student – Reg

\*\*\* \*\*

This note is being submitted requesting approval for conducting 5 days programme for the Students of Civil, ECE, EEE on Python Programming and Web Designing

For conducting the program, the mentor is Mr Santhosh Kumar Mahapatro who has conducted such programs in many public and Private organizations and colleges. His remuneration is Rs.30,000/-.

It is further submitted that towards the programme, an amount of Rs 350/- is being collected from the students, which the student will pay first through QR code and register their names before starting the program.

The program details are furnished hereunder:

DAYS	CONTENTS
Day 1	Introduction, Data Types, Type Casting Operators, Conditional Statement, Looping Statement
Day 2	Predefined functions, User define functrions, GUI
Day 3	GUI, Files, OOPS Concept
Day 4	Web Application with Django Framework
Day 5	Web Application with Django Framework

It is, therefore, requested to kindly consider for conducting the 5 day program through Mentor Mr Santosh Kumar Mahapatro and also for collecting Rs.350/- from each of the Participants. .

S. M. B. Rao  
Vice-Principal 26/7/22

S. S. S. S. S.  
Principal 26/7/22

**DLBCE**

Prepared By: 


Date: .....

~~APPROVED / NOT APPROVED~~



SECRETARY & CORRESPONDENT

**CSO**

Verified By: 

Date: 27/7/22

Visakhapatnam,  
25-07-2022.

From  
Dumpala Bhujanga Rao  
SDC Co-ordinator  
Dr. Lankapalli Bullayya College of Engineering,  
Visakhapatnam.

To  
The Principal,  
Dr. Lankapalli Bullayya College of Engineering,  
Visakhapatnam.


Respected Sir,

Sub: Request to grant permission to Five day Python workshop from 01-08-2022 to 06-08-2022-reg

In order to provide an overview of the Technologically developing area of Python to the IV B.Tech students, the Department of SDC Is organizing a Five day Python workshop from 01-08-2022 to 06-08-2022. In this regard, I request you to kindly grant permission to conduct the event .

Thanking you Sir,

Yours Sincerely,

  
(Dumpala Bhujanga Rao)  
SDC Co-ordinator



# Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

The Society For Collegiate Education  
Affiliated to Andhra University, Approved by AICTE  
# 52-14-75, Resapuvanipalem, Visakhapatnam - 530 013.  
Ph : Off : 0891-2703293, 2703296  
Email : principal@lbce.edu.in Website : www.lbce.edu.in

DATE: 28-07-2022

## CIRCULAR

The Department of SDC is organizing a Five Day Python Workshop from 01-08-2022 to 06-08-2022. In this regard, all the IV B.Tech ECE, Civil, EEE students are informed to attend the program and enhance their knowledge.









### Copy to

Hon'ble Secretary and Correspondent  
Copy to all HODs,  
R & D Co-ordinator  
IQAC Co-ordinator  
SDC Co-ordinator



  
PRINCIPAL  
Principal

Dr. Lankapalli Bullayya College of Engineering  
D.No.52-14-75, Resapuvanipalem  
Visakhapatnam-530013. Andhra Pradesh

HOD CSE	HOD Civil	HOD EEE	HOD ECE
			
Office Superintendent	SDC Co-ordinator	R & D Co-ordinator	IQAC Co-ordinator
			

## **About the College**

Dr.Lankapalli Bullayya College of Engineering formerly known as Dr.Lankapalli Bullayya College of Engineering for Women was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, Visakhapatnam by the philanthropists and educationalists who visualized the need for serving the society by means of affordable, accessible and qualitative, value-based education. There were four branches of Engineering in the college including CSE, ECE, EEE and Civil with an annual intake of 120 each for CSE and ECE while the intake for EEE and Civil being 60 seats. The Women's Engineering College then evolved into a full-fledged Co-education Engineering college in the academic year 2020-21. The college is Affiliated to Andhra University, Visakhapatnam and approved by AICTE, New Delhi. Our students participated actively and won prizes in the National Science Day Celebrations conducted by NSTL, Defence Research and Development Organization, Visakhapatnam in the category of Innovation for Societal Benefits Model category in February 2022. The college has a dedicated R&D cell, Entrepreneurship Cell and Internal Quality Assurance Cell that continue to guide and mentor the Teaching community towards academic excellence.

## **About Skill Development Centre**

In accordance of the Vision of the College to create Value added Citizens with a world view of empowering themselves and the society through the tool of education, the Skill Development Centre works in tandem with all the departments by inculcating the right admixture of attitude and aptitude essential for students to perform and outshine others on a global scale. To achieve this, the Skill Development Centre practices two different types of training, Campus Recruitment Training as well as Campus Specific Training. In the former students are

trained on the overall set of skills required to face a recruitment drive from any company whereas in the latter students are trained in domain specific areas particular to various organizations. The Skill Development Centre aims to create a skill set that is on par with the industry standards by conducting the iterative cycle of continuous assessment, evaluation, feedback and guidance till the required benchmarks are reached.

## **About the Workshop**

In the current Industry scenario when companies are interested to employ people with experience in the broad areas of Artificial Intelligence, Data Science and Machine Learning all of which use the various libraries provided by Python, it is imperative that current students are appropriately trained in this platform. To achieve this, the Skill Development Centre has taken up the initiative of providing training in the area of Python with a focus on Django Framework. Python is used by Data Analysts and other professionals to conduct complex statistical calculations, create data visualizations, build machine learning algorithms using libraries such as Tensor Flow and Keras that enable coders to write programs for data analysis and machine learning quickly and efficiently.

## **Course Contents**

Introduction: Data types, Type Casting, Operators, Conditional statement, Looping statement  
Predefined functions, User defined functions,  
GUI:GUI, Files, OOPS Concepts  
Web Application with Django Framework

## **Who can Attend?**

Non CSE students – ECE, EEE & CIVIL  
Registration Fee: Rs.350/-

**Five Day Workshop on PYTHON  
01-08-2022 to 06-08-2022**

***Chief Patron***

**Dr G Madhu Kumar, Ph.D,**  
Secretary and Correspondent,  
Dr Lankapalli Bullayya College of Engineering, Visakhapatnam.

***Patron***

**Dr. D Deepak Chowdary, M.Tech, Ph.D**  
Principal,  
Dr Lankapalli Bullayya College of Engineering, Visakhapatnam.

***Convenor***

**Mr D Bhujanga Rao, M.Tech, (Ph.D)**  
Coordinator,  
Skill Development Centre

**Organizing Committee**

Mr D Bhujanga Rao - Coordinator, SDC  
Mr K Sasidher, Lecturer  
Ms U Hilda Sharon, Lecturer  
Mr T Surya Prakasa Rao, Lecturer

**Resource Person**

Mr.Santosh Kumar Mahapatro,  
Senior Trainer, PYTHON  
Visakhapatnam

**Contact Details**

**Mr D Bhujanga Rao, M.Tech, (Ph.D)**  
Coordinator, Skill Development Centre  
PHONE:+91 91333 56689  
dbhujangarao@lbce.edu.in

**Five Day Workshop on Python  
01-08-2022 to 06-08-2022**

Organized by

**SKILL DEVELOPMENT CENTRE**



**Dr Lankapalli Bullayya College of Engineering,**

(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)

Visakhapatnam

Andhra Pradesh- 530013

Website: [www.lbce.edu.in](http://www.lbce.edu.in)



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Email : principal@lbce.edu.in Website : www.lbce.edu.in

### PYTHON 5 DAYS CONTENT

Days	Contents
Day 1	Introduction, Data types, Type Casting, Operators, Conditional statement, Looping statement
Day 2	Predefined functions, User define functions, GUI
Day 3	GUI, Files, OOPS Concept
Day 4	Web Application with Django Framework
Day 5	Web Application with Django Framework



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### Report on 5-day workshop on Python 2022

The five-day session of Python workshop was conducted from 1<sup>st</sup> to 6<sup>th</sup> August, 2022 for the final year students of Dr Lankapalli Bullayya College of Engineering. **Mr. Santosh Mahapatro**, Senior Trainer in Python was the resource Person of this workshop. Students actively participated in the five-day training program.

**Inaugural Session:** The opening remarks of the five-day PYTHON programme was given by the Asst. Dean of SDC Dr V Radha Devi where she highlighted the importance of computer languages to all the non CSE's and its impact in the written exam in the placement selection process. She introduced the resource person, Mr Santhosh Mahapatro to the students and informed to utilize the opportunity.

**Prof D Deepak Chowdary**, Principal, Dr Lankapalli Bullayya College of Engineering while speaking about the relevance of Python said that it was a programming language which has gained significance in recent times due to its application in a wide area of domains in science, engineering and research. **Dr V Radha Devi**, Asst dean, Skill Development Centre, Dr Lankapalli Bullayya College of Engineering in her opening remarks mentioned the importance of life and how PYTHON programme will help you sustain your future so as to build up your career accordingly using the necessary skills that will enhance your growth in the software sector. **Mr D Bhujanga Rao**, coordinator SDC Resource Person and students attended the inauguration of the 5 day workshop on Python 2022.



All the SDC faculty along with few of the core faculty were identified to disseminate the relevant skills and knowledge to the students.

**Resource Person:**

**Mr Santhosh Mahapatro**, subject expert of Python programming.

E certificates were issued to students who attended all the sessions and submitted their feedback forms. The five-day program received good feedback from all the participants and they now look forward to more such sessions in the near future.

**Valedictory Session:** As the closing remarks, the Dean and the Coordinator of SDC including the other SDC faculty shared their insights on the the 5 day PYTHON programme and it will be more useful to all the students who have attended the sessions. Later, as a token of gratitude the Resource Person Mr Santhosh Mahapatro was felicitated with all due honour and respect.



D Bhujanga Rao

Co-Ordinator SDC



Principal

Dr. Lankapalli Bullayya College of  
Engineering (for Women)

Survey No.44, D.No.52-14-75


Resapuvanipalem, Visakhapatnam-530 017

**Dr Lankapalli Bullayya College Of Engineering**  
**5 Day Workshop on PYTHON**


**CONTENTS**

<b>Days</b>	<b>09:00-01:00PM</b> <b>Block 8, Seminar</b> <b>Hall</b>	<b>02:00-04:00 PM</b> <b>2<sup>nd</sup> Floor</b> <b>Computer Lab</b>
Day 1	Introduction, Data types, Type Casting, Operators, Conditional statement, Looping statement	Practice Session
Day 2	Predefined functions, User define functions, GUI	Practice Session
Day 3	GUI, Files, OOPS Concept,	Practice Session
Day 4	Web Application with Django Framework	Practice Session
Day 5	Web Application with Django Framework	Practice Session

  
**Coordinator**

  
**Asst. Dean**



  
**Principal**  
Principal  
**Dr. Lankapalli Bullayya**  
**College of Engineering**  
Survey No. 44, D. No. 52-14-75,  
Resapuvanipalem, Visakhapatnam-530 013

**Day1**  
**Inaugural Session**



**Dr. Lankapalli Bullayya College of Engineering**

**Skill Development Centre**

**5-Day** Workshop on



**1<sup>st</sup> Aug - 6<sup>th</sup> Aug 2022**

**Venue : Seminar Hall, Block 8.**



# Resource Person

Participants endorsed in the session

Welcome Speech



Welcoming the guest



Students introducing themselves



Session in progress





Post Lunch Practice Session

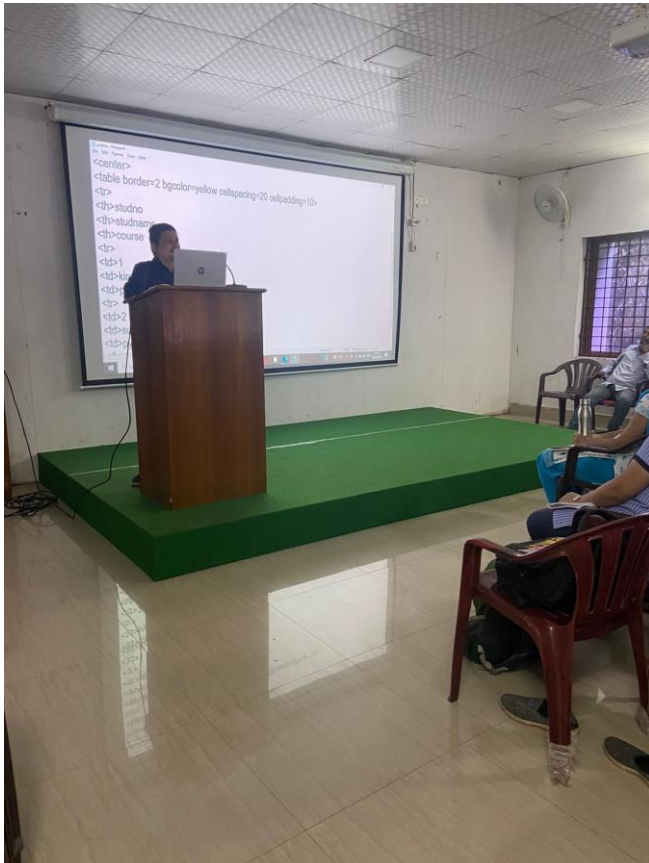


# Resource person addressing the students on Day 2



Presenting the module

SDC Trainers monitoring the session



# Day 3 Session in progress





# Day 4

# Interaction with the students



Students active participation



# Half way in learning PYTHON



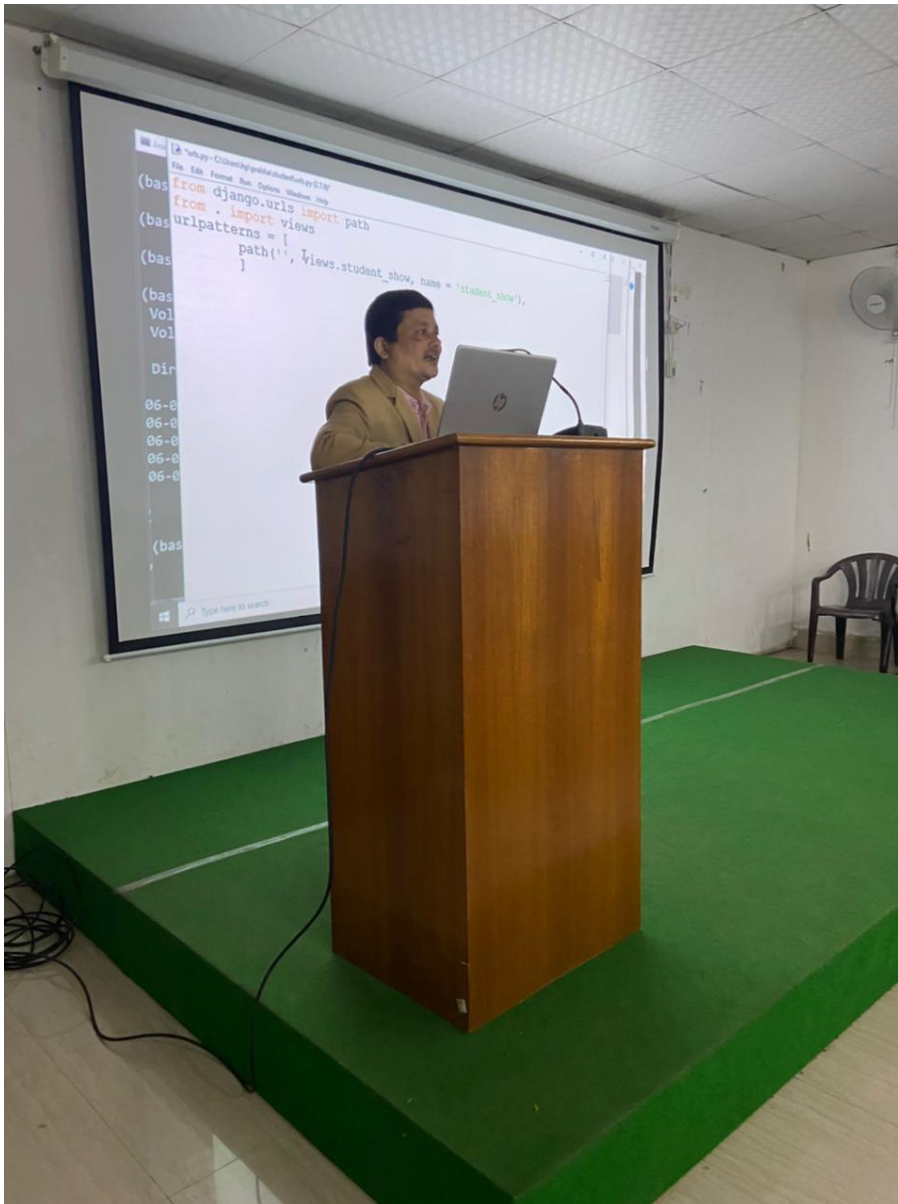
Students having a discussion on what they have learnt so far



## Post Lunch Practice Session



# Day 5 Session in progress



**Students listening to the Session delivered by the resource person.**



**Feedback Session**



**Participants Group Photo of the 5-Day workshop.**



**Felicitation of the Resource Person  
Mr Santhosh Mahapatro**







# Dr. LANKAPALLI BULLAYYA COLLEGE OF ENGINEERING

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Ph : Off : 0891-2703293, 2703296

Email : principal@lbce.edu.in Website : www.lbce.edu.in

## PYTHON 5 DAY WORKSHOP

### List of participants

316177112187	ECE	GOLLA DHANA LAKSHMI (Transfer)
319136412001	ECE	ABOTULA DHARANI SRI
319136412002	ECE	ADDANKI MURALI SAI SANJANA
319136412004	ECE	BHEESETTY VENKATA SAI KIRANMAYI
319136412005	ECE	BODHA JAHNAVI
319136412006	ECE	BORA JANSAI
319136412007	ECE	CHILAKALAPUDI BHAVANI PRATHYUSHA
319136412008	ECE	CHUNDURU GAYATHRI
319136412009	ECE	DAMODARA REETHUVARSHA
319136412010	ECE	DANTHULURI SREE MANJU BHARATHI
319136412011	ECE	DASARI VANDANA SAI KIRTI
319136412012	ECE	GEETHA CHANDRIKA BOKAM
319136412013	ECE	GORLE JAAHNAVI
319136412014	ECE	GUDEVADA SOWJANYA
319136412015	ECE	GUMMIDI BHARGAVI TEJA
319136412016	ECE	GURUGUBELLI POORNIMA
319136412017	ECE	JONNALAGADDA VEERA NAGA JYOTHI
319136412018	ECE	KAMIREDDY LAKSHMI CHAITANYA
319136412019	ECE	KANDULA ROOPA SOWMYA
319136412020	ECE	KARUMURI ANUSHA
319136412021	ECE	KAYATHA HEMALATHA
319136412023	ECE	KONADA VANSHITHA
319136412024	ECE	KORUKONDA BINDU TULASI KUMARI
319136412025	ECE	KOTTALA JHANSI
319136412026	ECE	KUNCHAM PRAVALLIKA
319136412027	ECE	LALITHA SAI MARADA
319136412028	ECE	MADATHALA PAVANI
319136412029	ECE	MADEM BALA RESHMA
319136412030	ECE	MAHANTHI ANUSHA
319136412031	ECE	MANTRI SANDHYA RANI
319136412032	ECE	MATTA LIKHITA SAI
319136412033	ECE	MOLLI RAMYA SREE
319136412034	ECE	MUPPIDI LAKSHMI LIKHITHA
319136412035	ECE	NAINAPATRUNI VALLIPRIYA
319136412036	ECE	PALISETTY SOWMY SREE
319136412037	ECE	PENTAKOTA SHARMILA RUSHI
319136412038	ECE	PODELA MOUNIKA
319136412039	ECE	POTHAMSETTY SRIHITHA
319136412040	ECE	PRABHA SIRIPURAPU
319136412041	ECE	SATTI LESHMA NIKHILA
319136412042	ECE	SEERAPU VENKATA SATWIKA REDDY
319136412043	ECE	SHEIKH NAZIA
319136412044	ECE	SHIVANI PATNAIK
319136412045	ECE	SION PREETHI INDANA
319136412046	ECE	SIRISAPILLI MADHURI
319136412047	ECE	SRIVIDHYA MANAPRAGADA
319136412048	ECE	TASNEEM FATHIMA
319136412049	ECE	TEDLAPU HIMABINDU

319136412050	ECE	TEEGALA ESWARI
319136412051	ECE	URIMITI UDAYA SRI
319136412052	ECE	VUGGUNA SRI LAKSHMI
319136412053	ECE	YERRA RATNA PRAVALLIKA
319136412054	ECE	ALLAMPILLI ANUSHA
319136412055	ECE	BETHA KUSUMA GANGA SATYA
319136412056	ECE	BHEEMANENI TARUNEE SAI
319136412057	ECE	CHINCHILAM ANUSHA
319136412058	ECE	DADI VINITHA JYOTHI
319136412059	ECE	DALIBOYINA MANI CHANDANA
319136412061	ECE	GANTALA LAVANYA
319136412062	ECE	GODAVARI V B N S SAVITHRI
319136412063	ECE	GURAJADA NAVYA
319136412064	ECE	HONDREDE SRIVALLI
319136412065	ECE	JONNALA KEERTHI
319136412066	ECE	KOLA TEJASVI
319136412067	ECE	KONDALA KEERTHI PRABHA
319136412068	ECE	KOPPISETTI PREETHI PRIYAMVADHA
319136412069	ECE	MAKIREDDI YAMINI
319136412070	ECE	MEDIŠI DEEPIKA
319136412071	ECE	NAGISETTY GAYATRI GIRISHMA ANITHA
319136412072	ECE	PABBSETTY SATYA VENKATA LIKHITHA
319136412073	ECE	POTHALA DHARANI
319136412074	ECE	PRATHA SAI DIVYA SREE
319136412075	ECE	RAMESWARAPU VEDAVATHI VANDANA
319136412076	ECE	SAVANA LAHARI AISWARYA
319136412077	ECE	SEELA MONIKA
319136412078	ECE	SUNKU TEJA SWARUPA
319136412079	ECE	TALADA DEVI
319136412080	ECE	VIYYAPU YERNIJA
319136412081	ECE	YENNETI DEVI

319136414001	EEE	BOKKA ANUSRI
319136414002	EEE	CHENNA RAGHA AMRUTHA VARSHINI
319136414003	EEE	LEELA DEBORAH
319136414004	EEE	PALLA SAILAKSHMI
319136414005	EEE	SURAPU KUSUMA KUMARI
319136414006	EEE	BHUPATHI PAVANI
319136414007	EEE	KALAKATA VARSHITHA
319136414008	EEE	KROVVIDI CHAITRA
319136414009	EEE	KUPPA YAMUNA
319136414010	EEE	PAIDI BHARGAVI
319136414011	EEE	PITTA RUPA
319136414012	EEE	SABBAVARAPU JYOTHSNA
319136414013	EEE	SIRIPURAPU JYOTHI
319136414015	EEE	YERUSU SRAVANI
319136408001	CIVIL	JADA YASODHARA
319136408002	CIVIL	MEDAPATI VIJAYA
319136408003	CIVIL	PALLAPATI MEGHANA
319136408004	CIVIL	PALLAVI ULLASINI BARLA
319136408005	CIVIL	SATRABOYINA BHAGYA LAKSHMI
319136408006	CIVIL	SRUJANA VADAPALLI
319136408007	CIVIL	BATHI JYOTHSNA
319136408008	CIVIL	KANKIPATI BHUVANESWARI
319136408009	CIVIL	MAJJI SRI SAI LAKSHMI
319136408010	CIVIL	PINISETTI PALLAVI
319136408011	CIVIL	SAMMINGA SIVANI
319136408012	CIVIL	SEERAM LAVANYA
319136408013	CIVIL	SHAIK RUKSHAD
319136408014	CIVIL	UDDANDAPU VENKATA SAI SUPRAJA
319136408015	CIVIL	YERRA LAVANYA



Co-Ordinator

Mr D Bhujanga Rao



Asst. Dean SDC

Dr V Radha Devi



Principal

Prof. D Deepak Cowdary

Principal

Dr. Lankapalli Bultayya College of Engineering  
D.No.52-14-75, Resapuvanipalem  
Visakhapatnam-530013, Andhra Pradesh