



**Dr. Lankapalli Bullayya College of Engineering**

New Resapurva Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

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3.2.2 (2)

Documents related to Seminars /  
Workshops organized during the  
A.Y. 2021-22



## Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

### List of Seminars/Workshops

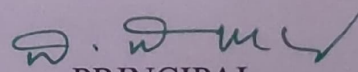
AY 2021-2022

S.No	Name of the Programme	Date	No. of Participants	Details of the Resource Person
1	Research Methodology and StatisticsL1P1	07/07/2021 to 17/08/2021	18	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering 9908566636 kanuradha@lbce.edu.in
2	Research Methodology and StatisticsL1P2	20/7/2021 to 25/7/2021	18	Dr. K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering 9908566636 kanuradha@lbce.edu.in
3	Research Methodology and StatisticsL2P1	26/7/2021 to 01/08/2021	18	Dr. K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering 9908566636 kanuradha@lbce.edu.in
4	Research Methodology and StatisticsL2P2	02/08/2021 to 06/08/2021	18	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering 9908566636 kanuradha@lbce.edu.in



5	Research Methodology and StatisticsL3P1	07/08/2021 to 11/08/2021	18	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering 9908566636 kanuradha@lbce.edu.in
6	Research Methodology and StatisticsL3P2	12/08/2021 to 17/08/2021	18	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering 9908566636 kanuradha@lbce.edu.in
7	A One-day seminar on 'Tips to be a successful entrepreneur'	11/09/2021	30	Mrs.M. Padmaja Associate prof. Chaitanya Engineering college Kommadi 9440311419 padmaja2020@gmail.com
8	One-Day Seminar on Research and Innovations in Engineering	13/11/2021	31	Mr. B. Sangeeth Kumar Assistant Professor, ECE Department, Sanketika Institute of Tech & Management, Visakhapatnam-41. Ph:9160734644 prajwalsangeeth@gmail.com
9	A One Day seminar on 'Research insights on modern Industrial Technologies'	13/11/2021	30	Ms P.Deekshita Assistant Professor Dept of AI & DS Vignan's Institute of Information Technology deekshitaputta17@gmail.com 9963745539
10	A One-day Seminar on Intellectual Property Rights in India and International	11/12/2021	30	Dr. G. Venkata Rao, MBA, MHRM, M. Phil, Ph. D Senior Research Fellow (ICSSR) Department of Human Resource Management, Dr. L Bullayya P.G College Visakhapatnam Ph:9949852286 gvr101@rediffmail.com

11	A One Day Workshop on The Art of Tech Innovation and Research Trends	04/02/2022	30	P.Deekshita Assistant Professor Dept of AI & DS Vignan's Institute of Information Technology 9963745539 deekshitaputta17@gmail.com
12	A One-day Seminar on Types of Research Design	12/02/2022	39	Dr. K.V. Ramana Rao Associate Professor Department of Civil Engineering Sanketika Vidya Parishad Engineering College Visakhapatnam Ph:9440974007 kvramanarao2018@gmail.com
13	A one day seminar on 'Need for Ethical Research'	12/03/2022	30	Mrs. J.Sandhya Asst. Prof. Dept of CSE Sanketika Vidya Parishad College of Engineering, Madhurawada. Ph:9491726784 gsandhyaias@gmail.com

  
PRINCIPAL

**Principal**

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





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 01-07-2021

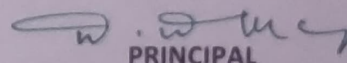
## CIRCULAR

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a workshop on "Research Methodology and Statistics" from 07-07-2021 to 17-08-2021. In this regard, all the faculty members are informed to attend the workshop without fail.

Venue: Classroom CF8





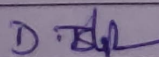


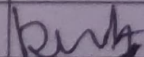
Time : 10:00AM

Program Coordinator: Dr.K.Anuradha  
Assistant Professor  
Department of Computer Science and Engineering

  
PRINCIPAL

Copy to  
Hon'ble Secretary and Correspondent  
Copy to all HODs, SDC Co-Ordinator  
IQAC Co-Ordinator

Dr. Lankapalli Bullayya  
D.No.52-14-75, Resapuvani Palem  
Visakhapatnam-530013, Andhra Pradesh

HOD CSE	HOD Civil	HOD EEE	HOD ECE
			
SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	HOD BS&H
			



## ABOUT THE COLLEGE

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## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## Workshop on Research Methodology and Statistics

07-07-2021 to 17-08-2021

Organized by

DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING



**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)**

## 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

**Dr. D. Madhavi,**  
**Head of the Department,**  
**Department of Computer Science and**  
**Engineering**  
**Program Coordinator**

**Dr. K. Anuradha**  
**Assistant Professor**  
**Department of Computer Science and Engineering**

## Organizing Committee

Dr. K. Anuradha  
Assistant Professor  
Ms. Aruna Thethali  
Assistant Professor  
Mr. G. Vamsi Krishna  
Assistant Professor

## Resource Person:

Dr.K.Anuradha  
Assistant Professor of CSE  
Dr. Lankapalli Bullayya College of Engineering.

## Contact Details

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science  
and Engineering  
Mobile no: 9440582990

## Venue:

Classroom CF8

## Objective of the program

- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal..

## Topics to be Covered:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 18-08-2021

## PROGRAM REPORT

Programme Name	Workshop on Research Methodology and Statistics
Resource Person	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering
Date of Activity	07-07-2021 to 17-07-2021
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.



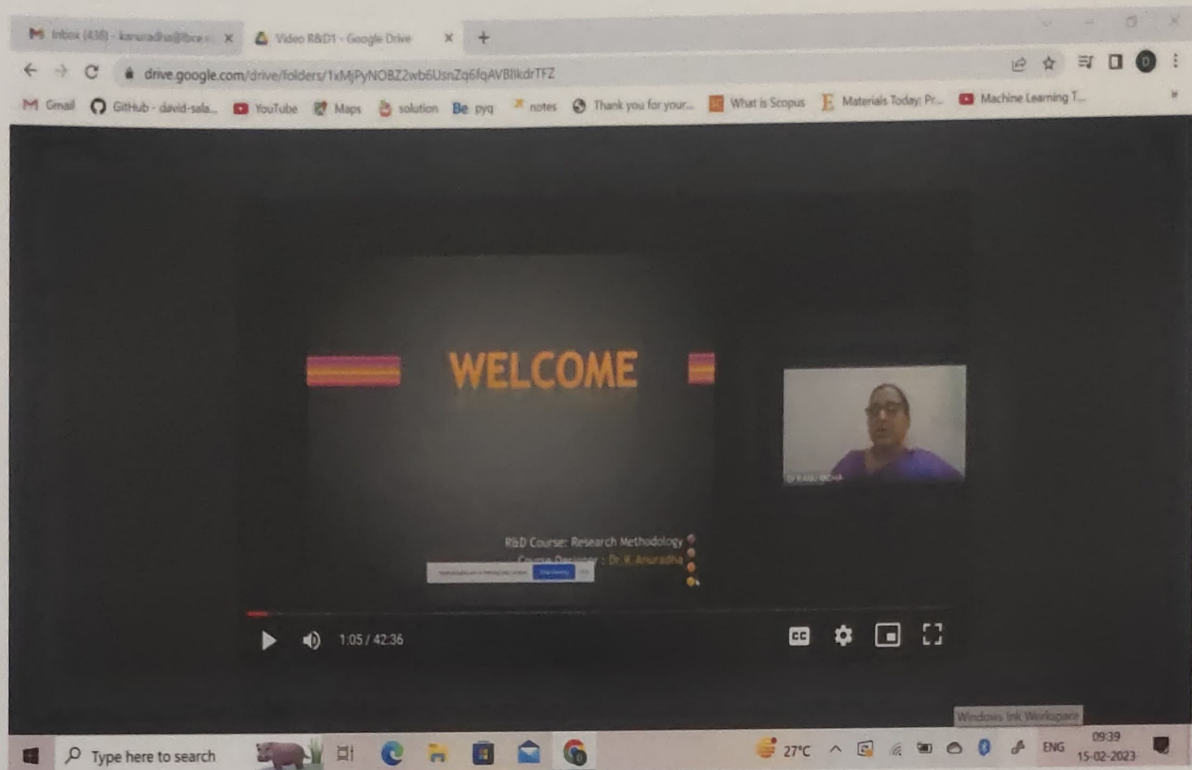


Photo1. Dr.K.AnuRadha welcoming the participants to the Workshop

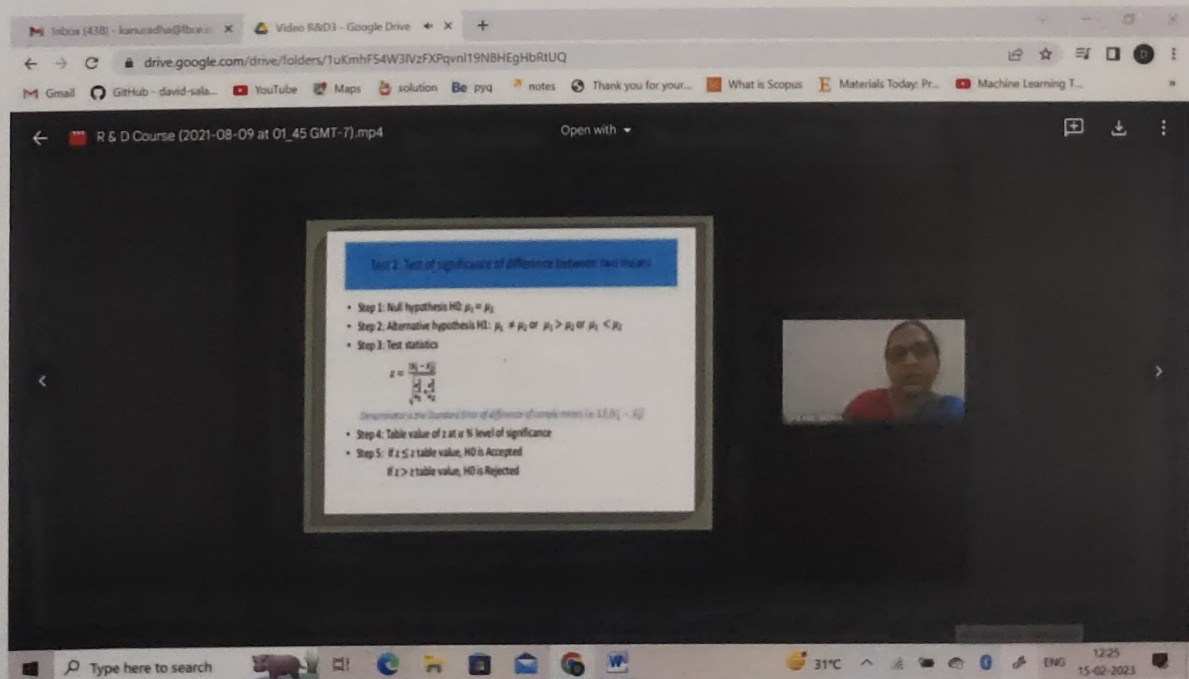


Photo2. Dr.K.AnuRadha explaining about Test of Significance between Two Means.

### Theme of the Program

Research Methods and Statistics: Integrated study of descriptive research methods and corresponding statistical concepts.

Topics include ethical considerations, observational and survey research techniques, graphing, central tendency and variability, correlation and linear regression.

The workshop has been designed to achieve the following objectives:

- a. To familiarize the participants with the basic concepts of Research Methodology.
- b. To enable the participants to develop quantitative and qualitative research skills.
- c. To familiarize the participants with the basics of data handling and analysis.
- d. To enable the person to determine the appropriate statistical techniques used to observational designs.
- e. To familiarize the person with shortcomings inherent in various observational designs.
- f. To gain an increased understanding of the application of scientific methods to the study of phenomena.
- g. To enable the participants to develop research plan proposal.

### Course Contents:

Introduction to Research Methodology and its importance.

Descriptive Statistics: Data Types, Measures of Central Tendency – Mean, Median, Mode, Quartile, Deciles, Mode, Geometric and Harmonic mean's, Examples regarding Location's

Measures of Dispersion: Range, Standard Deviation, Quartile Deviation, Mean Deviation, Coefficient of Variation

Moments: Raw moments, Central Moments, Skewness & Kurtosis

### Schedule of the workshop:

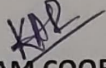
Level-1 Part one (07-07-2021 to 18-07-2021)		
SL.NO	Date	Title of the Topic Covered
1	7-7-2021	Data Types, Measures of Central Tendency – Mean
2	8-7-2021	Median, Mode, Quartile, Deciles
3	9-7-2021	Mode, Geometric and Harmonic mean's
4	10-7-2021	Measures of Dispersion – Range, Standard Deviation
5	10-7-2021	Examples regarding Location's
6	14-7-2021	Quartile Deviation, Mean Deviation
7	15-7-2021	Coefficient of Variation
8	16-7-2021	Moments –Raw moments
9	17-7-2021	Central Moments, Examples
10	18-7-2021	Skewness & Kurtosis

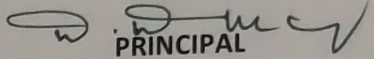
**Outcome of the Program**

Upon successful completion of the workshop, participants will be able to:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis.

No. of Participants: 18

  
PROGRAM COORDINATOR

  
PRINCIPAL

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





**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam


**Department of Computer Science Engineering**


**Workshop on Research Methodology and Statistics**  
(Level - I Part 1)

07-07-2021 to 17-07-2021

**Attendance Sheet**

S	Name of the Participant	Designation	7/7	8/7	9/7	10/7	10/7	14/7
1	Prof. D. Madhavi	Professor	P	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Asst. prof	P	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. prof	P	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor.	P	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. Professor	P	P	P	P	P	P
7	Mr. Md. Farhatullah	ASST. PROFESSOR	P	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna	Asst prof	P	P	P	P	P	P
9	Mrs. T. Renuka	Asst. prof	P	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P	P	P	P
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P	P	P
12	Mr. K. Vijay	Asst Prof	P	P	P	P	P	P
13	Ms. G. Kavya	Asst. Professor.	P	P	P	P	P	P
14	Mr.P.Suresh Kumar	Asst prof	P	P	P	P	P	P
15	Ms.T.Aruna	Asst. Prof	P	P	P	P	P	P
16	Mr.B.Santos Kumar	Asst. prof	P	P	P	P	P	P
17	Mrs.V.Jayavani	Asst prof	P	P	P	P	P	P
18	Ms.K.Sowjanya Naidu	Asst prof	P	P	P	P	P	P
19								
20								

K.   
Co-Ordinator

  
HOD



**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam


**Department of Computer Science Engineering**

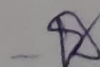
**Workshop on Research Methodology and Statistics**  
(Level - I Part 1)

07-07-2021 to 17-07-2021

**Attendance Sheet**

S	Name of the Participant	Designation	15/7	16/7	17/7	18/7		
1	Prof. D. Madhavi	Professor	P	P	P	P		
2	Prof.D.RajaKishor	Professor	P	P	P	P		
3	Mr. Syed Mujib Rahaman	Assoc. prof	P	P	P	P		
4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P		
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P		
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P		
7	Mr. Md. Farhatullah	Asst. PROFESSOR	P	P	P	P		
8	Mrs.Ch.Lavanya ratna		P	P	P	P		
9	Mrs. T. Renuka	Asst Prof	P	P	P	P		
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P	P		
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P		
12	Mr. K. Vijay		P	P	P	P		
13	Ms. G. Kavya	Asst. Professor	P	P	P	P		
14	Mr.P.Suresh Kumar		P	P	P	P		
15	Ms.T.Aruna	Assistant prof	P	P	P	P		
16	Mr.B.Santos Kumar	Assistant professor	P	P	P	P		
17	Mrs.V.Jayavani		P	P	P	P		
18	Ms.K.Sowjanya Naidu		P	P	P	P		
19								
20								

K.   
Co-Ordinator

  
HOD





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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## CIRCULAR

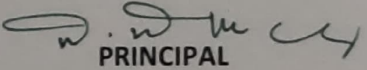
DATE: 12-07-2021

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a workshop on Research Methodology and Statistics" from 20-7-2021 to 25-7-2021. In this regard, all the faculty members are requested to attend the Workshop without fail.

Venue: Classroom CF8

Time : 10:00AM


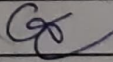
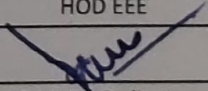

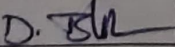


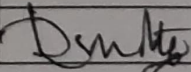
Program Coordinator: Dr.K.Anuradha  
Assistant Professor  
Department of Computer Science and Engineering

  
PRINCIPAL

### Copy to

Hon'ble Secretary and Correspondent  
Copy to all HODs, SDC Co-Ordinator  
IQAC Co-Ordinator

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

HOD CSE	HOD Civil	HOD EEE	HOD ECE
			
SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	HOD BS&H
			



## ABOUT THE COLLEGE

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## Workshop on Research Methodology and Statistics

20-07-2021 to 25-07-2021

Organized by  
DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING



**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)

## 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

**Dr. D. Madhavi,**  
Head of the Department,  
Department of Computer Science and  
Engineering  
Program Coordinator

**Dr. K. Anuradha**  
Assistant Professor  
Department of Computer Science and Engineering

## Organizing Committee

Dr. K. Anuradha  
Assistant Professor  
Ms. Aruna Thethali  
Assistant Professor  
Mr. G. Vamsi Krishna  
Assistant Professor

## Resource Person:

Dr. K. Anuradha  
Assistant Professor of CSE  
Dr. Lankapalli Buliayya College of Engineering.

## Contact Details

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science  
and Engineering  
Mobile no: 9440582990

## Venue:

Classroom CF8

## Objective of the program

- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal..

## Topics to be Covered:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 28-08-2021

## PROGRAM REPORT

Programme Name	Research Methodology and Statistics
Resource Person	Dr.K.Anuradha Assistant Professor Dr. Lankapalli Bullayya College of Engineering
Date of Activity	20-07-2021 to 27-07-2021
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.

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R & D Course (2021-08-09 at 01:48 GMT-7).mp4

Open with

**Test 2: Test of significance of difference between two means**

- Step 1: Null hypothesis  $H_0: \mu_1 = \mu_2$
- Step 2: Alternative hypothesis  $H_1: \mu_1 \neq \mu_2$  or  $\mu_1 > \mu_2$  or  $\mu_1 < \mu_2$
- Step 3: Test statistics

$$z = \frac{\bar{x}_1 - \bar{x}_2}{\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}}$$

*Test statistic is the standard error of difference of sample means i.e.  $(\bar{x}_1 - \bar{x}_2) / \sqrt{s_1^2/n_1 + s_2^2/n_2}$*

- Step 4: Table value of  $z$  at a % level of significance
- Step 5: If  $z \leq z$  table value,  $H_0$  is Accepted  
If  $z > z$  table value,  $H_0$  is Rejected

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31°C

ENG 12:25 15-02-2023



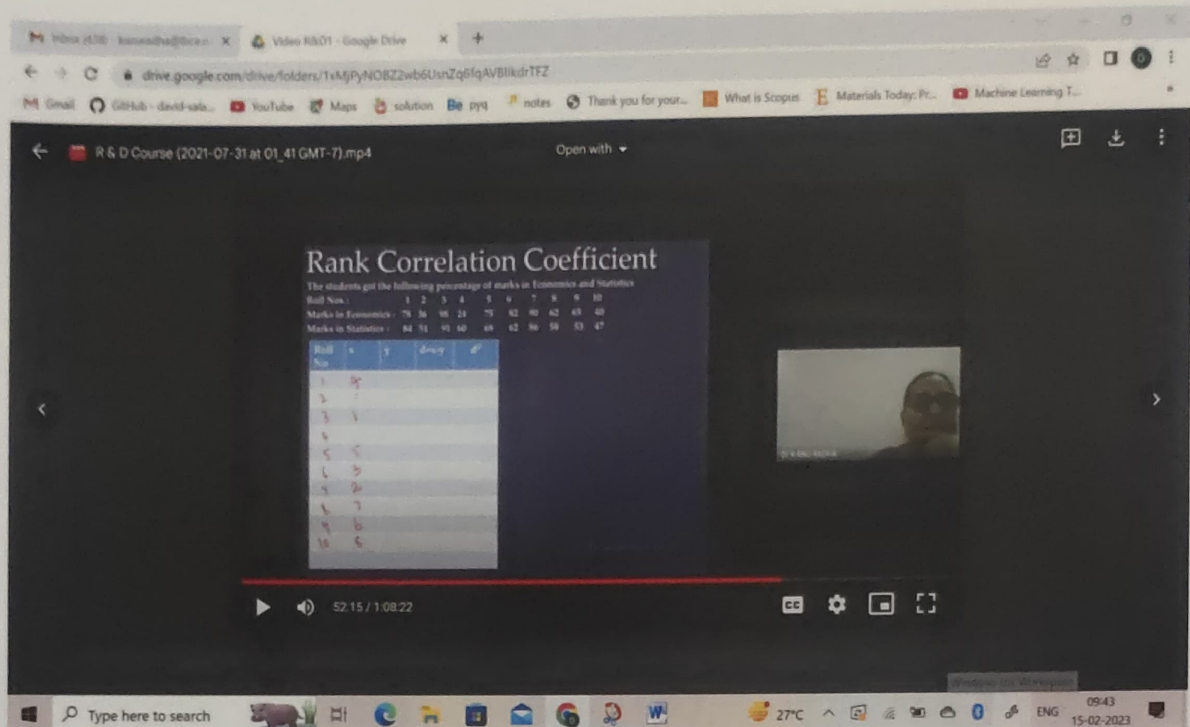


Photo1. Dr.K.AnuRadha explaining about Rank Correlation Coefficient

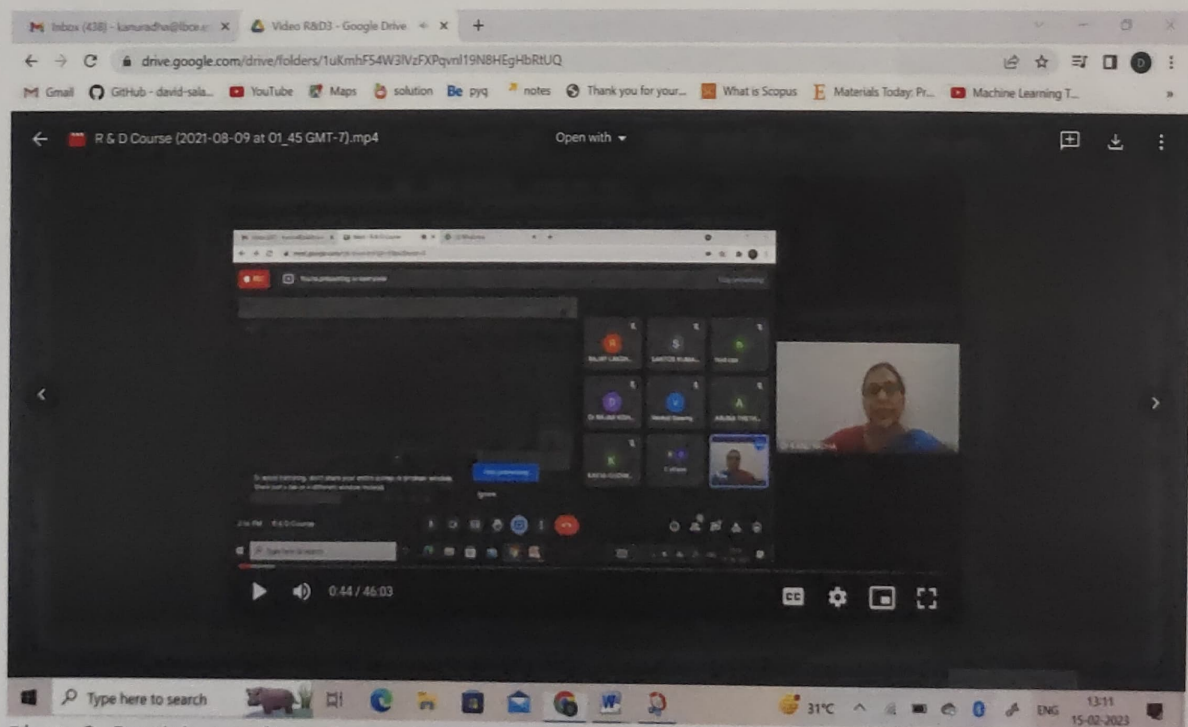


Photo2. Participants listening to Dr.K.AnuRadha during the Workshop.

### Theme of the Program

Research Methods and Statistics: Integrated study of descriptive research methods and corresponding statistical concepts.

Topics include ethical considerations, observational and survey research techniques, graphing, central tendency and variability, correlation and linear regression.

The workshop has been designed to achieve the following objectives:

- To familiarize the participants with the basic concepts of Research Methodology.
- To enable the participants to develop quantitative and qualitative research skills.
- To familiarize the participants with the basics of data handling and analysis.
- To enable the person to determine the appropriate statistical techniques used to observational designs.
- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal.

### Course Contents:

#### Curve Fitting:

Straight Line, Parabola, Exponential Curve, Power Curve, Examples

#### Correlation Coefficient:

Scatter Diagram and Karl Pearson's, Rank Correlation Spearman's, Regression Lines, Difference correlation and Regression

### Schedule of the workshop:

Level-1 Part Two (20-7-2021 to 25-7-2021)		
Title	Date	Title of the Topic Covered
SL.NO	Date	Topic Covered
1	20-7-2021	Curve Fitting, Straight Line, Parabola
2	20-7-2021	Exponential Curve, Power Curve
3	22-7-2021	Examples
4	22-7-2021	Correlation Coefficient, Scatter Diagram and Karl Pearson's
5	23-7-2021	Rank Correlation Spearman's
6	23-7-2021	Regression Lines
7	24-7-2021	Difference correlation and Regression Assignment conducted
8	24-7-2021	Examples
9	25-7-2021	Assignment conducted-Level-1



**Outcomes of the Program:**

Upon successful completion of the workshop, participants will be able to:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis

**No. of Participants: 18**

  
**PROGRAM COORDINATOR**

  
**PRINCIPAL**

**Principal**  
**Dr. Lankapalli Bullayya College of Engineering**  
**D.No.52-14-75, Resapur**  
**Visakhapatnam-530013**



**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam

**Department of Computer Science Engineering**

**Workshop on Research Methodology and Statistics**  
(Level - I Part 2)  
20-07-2021 to 25-07-2021  
**Attendance Sheet**

S	Name of the Participant	Designation	20/7	20/7	22/7	22/7	23/7	23/7
1	Prof. D. Madhavi	Professor	P	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Asst. prof	P	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P	P	P
7	Mr. Md. Farhatullah	Asst. Professor	P	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna		P	P	P	P	P	P
9	Mrs. T. Renuka	Asst. Prof.	P	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. prof.	P	P	P	P	P	P
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P	P	P
12	Mr. K. Vijay		P	P	P	P	P	P
13	Ms. G. Kavya	Asst. Profess.	P	P	P	P	P	P
14	Mr.P.Suresh Kumar		P	P	P	P	P	P
15	Ms.T.Aruna	Assistant prof	P	P	P	P	P	P
16	Mr.B.Santos Kumar	Assistant prof	P	P	P	P	P	P
17	Mrs.V.Jayavani		P	P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P	P
19								
20								

K.   
Co-Ordinator

  
HOD





**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam


**Department of Computer Science Engineering**

**Workshop on Research Methodology and Statistics**  
(Level - I Part 2)

20-07-2021 to 25-07-2021

**Attendance Sheet**

S	Name of the Participant	Designation	24/7	24/7	25/7			
1	Prof. D. Madhavi	Professor	P	P	P			
2	Prof.D.RajaKishor	Professor	P	P	P			
3	Mr. Syed Mujib Rahaman	Assoc. Prof	P	P	P			
4	Dr. G. Vamsi Krishna	Asst Prof	P	P	P			
5	Mr. D. Karun Kumar	Asst. professor	P	P	P			
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P			
7	Mr. Md. Farhatullah	ASST. PROFESSOR	P	P	P			
8	Mrs.Ch.Lavanya ratna	Asst. Prof	P	P	P			
9	Mrs. T. Renuka	Asst Prof	P	P	P			
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P			
11	Mr. D. Srikanth	Asst. Prof	P	P	P			
12	Mr. K. Vijay	Asst. Prof	P	P	P			
13	Ms. G. Kavya	Asst. Prof.	P	P	P			
14	Mr.P.Suresh Kumar	Asst. Prof	P	P	P			
15	Ms.T.Aruna	Assistant Prof	P	P	P			
16	Mr.B.Santos Kumar	Assistant professor	P	P	P			
17	Mrs.V.Jayavani		P	P	P			
18	Ms.K.Sowjanya Naidu		P	P	P			
19								
20								

K.   
Co-Ordinator

  
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# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## CIRCULAR

DATE: 21-07-2021

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a workshop on Research Methodology and Statistics" from 26-7-2021 to 01-08-2021. In this regard, all the faculty members are informed to attend the Workshop without fail.

Venue: Classroom CF8

Time : 10:00AM


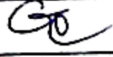
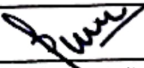

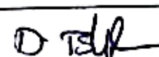


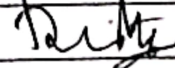
Program Coordinator: Dr.K.Anuradha  
Assistant Professor  
Department of Computer Science and Engineering

  
PRINCIPAL

Principal

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

Copy to  
Hon'ble Secretary and Correspondent  
Copy to all HODs, SDC Co-Ordinator  
IQAC Co-Ordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE
			
SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	HOD BS&H
			



## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## Workshop on Research Methodology and Statistics

26-07-2021 to 01-08-2021

Organized by  
DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING



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)

## 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

Dr. D. Madhavi,  
Head of the Department,  
Department of Computer Science and  
Engineering  
Program Coordinator

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science and Engineering



## Organizing Committee

Dr. K. Anuradha  
Assistant Professor  
Ms. Aruna Thethali  
Assistant Professor  
Mr. G. Vamsi Krishna  
Assistant Professor

## Resource Person:

Dr.K.Anuradha  
Assistant Professor of CSE  
Dr. Lankapalli Bullayya College of Engineering.

## Contact Details

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science  
and Engineering  
Mobile no: 9440582990

## Venue:

Classroom CF8

## Objective of the program

- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal..

## Topics to be Covered:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 18-08-2021

## PROGRAM REPORT

Programme Name	Research Methodology and Statistics
Resource Person	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering
Date of Activity	26-07-2021 to 01-08-2021
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.

### Theme of the Program

Research Methods and Statistics: Integrated study of descriptive research methods and corresponding statistical concepts.

Topics include ethical considerations, observational and survey research techniques, graphing, central tendency and variability, correlation and linear regression.

The workshop has been designed to achieve the following objectives:

- To familiarize the participants with the basic concepts of Research Methodology.
- To enable the participants to develop quantitative and qualitative research skills.
- To familiarize the participants with the basics of data handling and analysis.
- To enable the person to determine the appropriate statistical techniques used to observational designs.
- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal.

### Course Contents:

Probability Theory:

Random Experiment – Sample Space – Events – Axiomatic Definition of Probability – Addition Theorem – Multiplication Theorem – Baye's Theorem

Distribution Function:

Continuous and Discrete Random Variables – Distribution Function of a Random Variable – Probability Mass Functions and Probability Density Functions – Characteristic Functions .

### Schedule of the workshop:

Title	Date	Title of the Topic Covered
SL.NO	Date	Topic Covered
1	26-7-2021	Probability Concepts
2	26-7-2021	Addition Theorem with Examples
3	27-7-2021	Multiplication, conditional Probability with
4	28-7-2021	Bayes Theorem with Examples
5	28-7-2021	Mathematical Expectations with Examples
6	29-7-2021	For Discrete case Finding Mean
7	29-7-2021	For Discrete case Finding Variance
8	30-7-2021	For Continuous Case Finding Mean, Variance
9	31-7-2021	Finding Various Properties of Distributions
10	1-8-2021	Examples in both cases



**Outcomes of the Program:**

Upon successful completion of the workshop, participants will be able to:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis

**No. of Participants: 18**

  
**PROGRAM COORDINATOR**

  
**PRINCIPAL**

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



**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam

**Department of Computer Science Engineering**

**Workshop on Research Methodology and Statistics**  
(Level - II Part 1)  
26-07-2021 to 01-08-2021  
**Attendance Sheet**

S	Name of the Participant	Designation	26/7	26/7	27/7	28/7	28/7	29/7
1	Prof. D. Madhavi	Professor	P	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Assoc. Prof	P	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P	P	P
7	Mr. Md. Farhatullah	Asst-PROFESSOR	P	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna	Asst.Prof	P	P	P	P	P	P
9	Mrs. T. Renuka	Asst. Prof	P	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. Prof	P	P	P	P	P	P
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P	P	P
12	Mr. K. Vijay	Asst. Prof	P	P	P	P	P	P
13	Ms. G. Kavya	Asst. Professor	P	P	P	P	P	P
14	Mr.P.Suresh Kumar	Asst-Prof	P	P	P	P	P	P
15	Ms.T.Aruna	Assistant Prof	P	P	P	P	P	P
16	Mr.B.Santos Kumar	Assistant prof	P	P	P	P	P	P
17	Mrs.V.Jayavani		P	P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P	P
19								
20								

K.   
Co-Ordinator

  
HOD





**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam

**Department of Computer Science Engineering**

**Workshop on Research Methodology and Statistics**  
(Level - II Part 1)  
26-07-2021 to 01-08-2021  
**Attendance Sheet**

S	Name of the Participant	Designation	29/7	30/7	31/7	31/7	1/8
1	Prof. D. Madhavi	Professor	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Assoc. prof	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P	P
7	Mr. Md. Farhatullah	Asst. Professor	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna	Asst. Prof	P	P	P	P	P
9	Mrs. T. Renuka	Asst. Prof	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P	P	P
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P	P
12	Mr. K. Vijay	Asst. prof	P	P	P	P	P
13	Ms. G. Kavya	Asst. Profess.	P	P	P	P	P
14	Mr.P.Suresh Kumar	Asst. prof	P	P	P	P	P
15	Ms.T.Aruna	Assistant Prof	P	P	P	P	P
16	Mr.B.Santos Kumar	Assistant prof	P	P	P	P	P
17	Mrs.V.Jayavani		P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P
19							
20							

K. Anandulu  
Co-Ordinator

HOD



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## CIRCULAR

DATE: 26-08-2021

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a workshop on Research Methodology and Statistics" from 02-08-2021 to 06-08-2021. In this regard, all the faculty members are requested to attend the workshop without fail.

Venue: Classroom CF8

Time : 10:00AM

Program Coordinator: Dr.K.Anuradha

Assistant Professor

Department of Computer Science and Engineering

  
PRINCIPAL

Principal


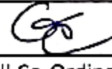
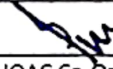
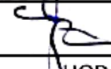
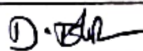


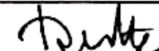
Dr. Lankapalli Bullayya College of Engineering  
D.No.52-14-75, Resapuvanipalem  
Visakhapatnam-530013, Andhra Pradesh

### Copy to

Hon'ble Secretary and Correspondent

Copy to all HODs, SDC Co-Ordinator

IQAC Co-Ordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE
			
SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	HOD BS&H
			



## ABOUT THE COLLEGE

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## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## Workshop on Research Methodology and Statistics

02-08-2021 to 06-08-2021

Organized by  
DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING



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)

## 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

Dr. D. Madhavi,  
Head of the Department,  
Department of Computer Science and  
Engineering  
Program Coordinator

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science and Engineering



## Organizing Committee

Dr. K. Anuradha  
Assistant Professor  
Ms. Aruna Thethali  
Assistant Professor  
Mr. G. Vamsi Krishna  
Assistant Professor

## Resource Person:

Dr.K.Anuradha  
Assistant Professor of CSE  
Dr. Lankapalli Bullayya College of Engineering.

## Contact Details

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science  
and Engineering  
Mobile no: 9440582990

## Venue:

Classroom CF8

## Objective of the program

- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal.,

## Topics to be Covered:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 09-08-2021

## PROGRAM REPORT

Programme Name	Research Methodology and Statistics
Resource Person	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering
Date of Activity	02-08-2021 to 06-08-2021
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.

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R & D Course (2021-08-06 at 01\_37 GMT-7).mp4

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**Ex 13.4, 9**  
A random variable  $X$  has the following probability distribution:

$x$	0	1	2	3	4	5	6	7
$P(X=x)$	$\frac{1}{7}$	$\frac{2}{7}$	$\frac{3}{7}$	$\frac{2}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$	$\frac{1}{7}$

Determine  
(i)  $E(X)$

Since  $X$  is a random variable,  
the sum of probabilities is equal to 1

$$\sum_{i=1}^n P(X=x_i) = 1$$

$$P(X=0) + P(X=1) + P(X=2) + P(X=3) + P(X=4) + P(X=5) + P(X=6) + P(X=7) = 1$$

$$\frac{1}{7} + \frac{2}{7} + \frac{3}{7} + \frac{2}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} + \frac{1}{7} = 1$$

$$\frac{1+2+3+2+1+1+1+1}{7} = 1$$

$$\frac{12}{7} = 1$$


$$12 = 7$$

$$12 - 7 = 5$$

$$5 = 5$$

$$12 - 7 = 5$$

$$5 = 5$$



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31°C

12:25 15-08-2023


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R & D Course (2021-08-06 at 01\_37 GMT-7).mp4

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**CONNECTION BETWEEN P.D & E.D**

- The exponential distribution arises in connection with Poisson processes –
- A Poisson process is one exhibiting a random arrival pattern in the following sense:
  - For a small time interval  $\Delta t$ , the probability of an arrival during  $\Delta t$  is  $\lambda \Delta t$ , where  $\lambda$  = the mean arrival rate
  - The probability of more than one arrival during  $\Delta t$  is negligible
  - Interarrival times are independent of each other.
- This is a kind of "stochastic" process, one for which events occur in a random fashion



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## **Theme of the Program**

Research is a systematic and objective process of gathering, recording and analyzing data for taking appropriate & meaningful decisions. In order to carry out research, the researchers need to design the study based on appropriate Hypotheses, gather necessary data and analyze it, and make decisions. The analysis and inference has to be made by using appropriate statistical techniques. To keep pace with the recent advancements in any discipline, one has to be well-versed with the latest developments in statistical analysis.

Keeping in view the importance of statistics in research methodology, the workshop aims to provide knowledge on statistical techniques to the participants. This workshop is useful to the faculty members and research scholars pursuing research in various engineering and management streams.

### **Objectives of the Program:**

- To familiarize the participants with the basic concepts of Research Methodology.
- To enable the participants to develop quantitative and qualitative research skills.
- To familiarize the participants with the basics of data handling and analysis.
- To enable the person to determine the appropriate statistical techniques used to observational designs.
- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal.

### **Course Contents:**

- Descriptive Statistics
- Measures of Dispersion, Moments



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## Schedule of the workshop:

Title	Date	Title of the Topic Covered
SL.NO	Date	Topic Covered
1	2-8-2021	Binomial Distributions properties
2	2-8-2021	Examples
3	3-8-2021	Poisson Distribution properties
4	3-8-2021	Examples
5	4-8-2021	Negative Binomial Distributions Properties
6	4-8-2021	Examples
7	5-8-2021	Normal Distributions Properties
8	5-8-2021	Examples
9	6-8-2021	Exponential Distributions Properties
10	6-8-2021	Assignment Conducted


## Outcomes of the Program:

Upon successful completion of the workshop, participants will be able to:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis

No. of Participants: 18

  
PROGRAM COORDINATOR

  
PRINCIPAL  
Principal  
Dr. Lankapalli Bullayya College of Engineering  
D.No.52-14-75, Resapuvani Palem  
Visakhapatnam-530013, Andhra Pradesh



**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam

**Department of Computer Science Engineering**

**Workshop on Research Methodology and Statistics**  
(Level - II Part 2)

02-08-2021 to 06-08-2021

**Attendance Sheet**

S	Name of the Participant	Designation	2/8	3/8	4/8	5/8	6/8
1	Prof. D. Madhavi	Professor	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Assoc. Prof	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P	P
7	Mr. Md. Farhatullah	Asst. professor	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna		P	P	P	P	P
9	Mrs. T. Renuka	Asst. Prof	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. Prof	P	P	P	P	P
11	Mr. D. Srikanth	Asst. professor	P	P	P	P	P
12	Mr. K. Vijay		P	P	P	P	P
13	Ms. G. Kavya	Asst. Professor	P	P	P	P	P
14	Mr.P.Suresh Kumar		P	P	P	P	P
15	Ms.T.Aruna	Assistant Prof	P	P	P	P	P
16	Mr.B.Santos Kumar	Assistant prof	P	P	P	P	P
17	Mrs.V.Jayavani		P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P
19							
20							

*K. Anand*  
Co-Ordinator

*P. Suresh*  
HOD





**Dr Lankapalli Bullayya College of Engineering,**  
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(Level - II Part 2)

02-08-2021 to 06-08-2021

**Attendance Sheet**

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1	Prof. D. Madhavi	Professor	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
2	Prof.D.RajaKishor	Professor	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
3	Mr. Syed Mujib Rahaman	Asst. prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
4	Dr. G. Vamsi Krishna	Asst. Prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
5	Mr. D. Karun Kumar	Asst. professor	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
6	Mr. S.Venkata Swamy	Asst. prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
7	Mr. Md. Farhatullah	Asst. professor	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
8	Mrs.Ch.Lavanya ratna		<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
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10	Mrs. P. Rajya Lakshmi	Asst. prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
11	Mr. D. Srikanth	Asst. prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
12	Mr. K. Vijay		<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
13	Ms. G. Kavya	Asst. Prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
14	Mr.P.Suresh Kumar		<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
15	Ms.T.Aruna	Assistant Prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
16	Mr.B.Santos Kumar	Assistant prof	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
17	Mrs.V.Jayavani		<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
18	Ms.K.Sowjanya Naidu		<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P	<input checked="" type="checkbox"/>	P
19								
20								

K.   
Co-Ordinator

  
HOD



**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam

**Department of Computer Science Engineering**


**Workshop on Research Methodology and Statistics**

(Level - II Part 2)

02-08-2021 to 06-08-2021

**Attendance Sheet**

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4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P	P
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7	Mr. Md. Farhatullah	Asst. PROFESSOR	P	P	P	P	P
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12	Mr. K. Vijay	Asst. Prof	P	P	P	P	P
13	Ms. G. Kavya	Asst. Professor	P	P	P	P	P
14	Mr.P.Suresh Kumar	Asst. Prof	P	P	P	P	P
15	Ms.T.Aruna	ASSISTANT PROF	P	P	P	P	P
16	Mr.B.Santos Kumar	Assistant Professor	P	P	P	P	P
17	Mrs.V.Jayavani		P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P
19							
20							

K.   
Co-Ordinator

  
HOD



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## CIRCULAR

DATE: 02-08-2021

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a workshop on Research Methodology and Statistics" from 07-08-2021 to 11-08-2021. In this regard, all the faculty members are informed to attend the seminar without fail.

Venue: Classroom CF8

Time : 10:00AM

Program Coordinator: Dr.K.Anuradha

Assistant Professor

Department of Computer Science and Engineering

  
PRINCIPAL

Principal





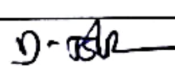


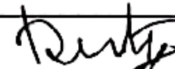
Dr. Lankapalli Bullayya College of Engineering  
D.No.52-14-75, Resapuvani Palem  
Visakhapatnam-530013, Andhra Pradesh

### Copy to

Hon'ble Secretary and Correspondent

Copy to all HODs, SDC Co-Ordinator

IQAC Co-Ordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE
			
SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	HOD BS&H
			



## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## Workshop on Research Methodology and Statistics

07-08-2021 to 11-08-2021

Organized by

DEPARTMENT OF COMPUTER SCIENCE  
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Website: [www.lbce.edu.in](http://www.lbce.edu.in)

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Visakhapatnam.

## PATRON

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

## Convenor

**Dr. D. Madhavi,**  
Head of the Department,  
Department of Computer Science and  
Engineering  
**Program Coordinator**

**Dr. K. Anuradha**  
Assistant Professor  
Department of Computer Science and Engineering



## Organizing Committee

Dr. K. Anuradha  
Assistant Professor  
Ms. Aruna Thethali  
Assistant Professor  
Mr. G. Vamsi Krishna  
Assistant Professor

## Resource Person:

Dr. K. Anuradha  
Assistant Professor of CSE  
Dr. Lankapalli Bullayya College of Engineering.

## Contact Details

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science  
and Engineering  
Mobile no: 9440582990

## Venue:

Classroom CF8

## Objective of the program

- To familiarize the person with shortcomings inherent in various observational designs.
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# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

DATE: 12-08-2021

## PROGRAM REPORT

Programme Name	Research Methodology and Statistics
Resource Person	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering
Date of Activity	07-08-2021 to 11-08-2021
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.

REC

Dr KANU RADHA is presenting

## MEDIAN FOR GROUPED DATA

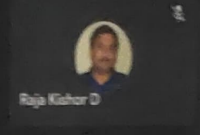
$$\text{Median} = l + \frac{\left(\frac{N}{2} - m\right)}{f} \times c$$

Where

$l$  = lower limit of median class,  
 $n$  = number of observations,  
 $cf$  = cumulative frequency of class preceding the median class,  
 $f$  = frequency of median class,  
 $h$  = class size (assuming class size to be equal)



Dr KANU RADHA

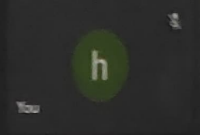


Raja Kishor D



S D

11 others

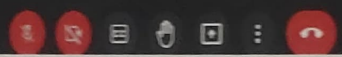


You

### People

+ Add people

- |   |                    |  |  |
|---|--------------------|--|--|
| M | MULIB RAHAMAN SYED |  |  |
| R | Raja Kishor D      |  |  |
| R | Rajyalaxmi Pedada  |  |  |
| R | Renuka Boddepalli  |  |  |
| S | SANTOS KUMAR BHAGA |  |  |
| S | SOWJANYA KAPARAPU  |  |  |
| V | venkat swamy       |  |  |
| V | VURY KALLA         |  |  |





### **Theme of the Program**

Research Methods and Statistics: Integrated study of descriptive research methods and corresponding statistical concepts.

Topics include ethical considerations, observational and survey research techniques, graphing, central tendency and variability, correlation and linear regression.

### **The workshop has been designed to achieve the following objectives:**

- To familiarize the participants with the basic concepts of Research Methodology.
- To enable the participants to develop quantitative and qualitative research skills.
- To familiarize the participants with the basics of data handling and analysis.
- To enable the person to determine the appropriate statistical techniques used to observational designs.
- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal.

### **Learning Outcomes**

Able to learn the fundamental concepts of statistics. Handling various types of data and their graphical representation. Measures of location and dispersion. The concepts of statistics moments, skewness & kurtosis. The fitting of linear and non-linear curves. The correlation and regression analysis.

### **Course Contents:**

#### **SAMPLING THEORY:**

Sampling of Large samples, Null and Alternate Hypothesis, Errors of First and Second Kinds, Level of Significance, Critical Region.

#### **LARGE SAMPLE TESTS**

Test of Significance Based on z- static – Means, Proportions, S.D, Correlation Coefficient



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## Schedule of the workshop:


Title	Date	Title of the Topic Covered
SL.NO	Date	Topic Covered
1	7-8-2021	Concepts of Sampling, Hypothesis, Types
2	8-8-2021	Large Sample tests for Proportions
3	9-8-2021	Large Sample tests for S.D
4	10-8-2021	Fisher Z transformation, Examples
5	11-8-2021	Large Sample tests for Correlation Coefficient

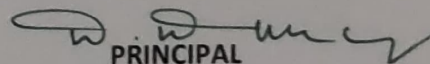
## Outcomes of the Program:

Upon successful completion of the workshop, participants will be able to:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis

No. of Participants: 18

  
PROGRAM COORDINATOR

  
PRINCIPAL

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





**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam

**Department of Computer Science Engineering**


**Workshop on Research Methodology and Statistics**

(Level - III Part 1)

07-08-2021 to 11-08-2021

**Attendance Sheet**

S	Name of the Participant	Designation	7/8	8/8	9/8	9/8	10/8	10/8
1	Prof. D. Madhavi	Professor	P	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Asst. Prof.	P	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. Prof.	P	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. Professor	P	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. Prof.	P	P	P	P	P	P
7	Mr. Md. Farhatullah	Asst. Professor	P	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna	Asst. Prof.	P	P	P	P	P	P
9	Mrs. T. Renuka	Asst. Prof.	P	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P	P	P	P
11	Mr. D. Srikanth	Asst. Prof.	P	P	P	P	P	P
12	Mr. K. Vijay	Asst. Prof.	P	P	P	P	P	P
13	Ms. G. Kavya	Asst. Professor	P	P	P	P	P	P
14	Mr.P.Suresh Kumar	Asst. Prof.	P	P	P	P	P	P
15	Ms.T.Aruna	Asst. Prof.	P	P	P	P	P	P
16	Mr.B.Santos Kumar	Asst. Prof.	P	P	P	P	P	P
17	Mrs.V.Jayavani	Asst. Prof.	P	P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P	P
19								
20								

K.   
Co-Ordinator

  
HOD





**Dr Lankapalli Bullayya College of Engineering,**  
(Approved by AICTE, New Delhi, Affiliated to Andhra University, Visakhapatnam)  
Visakhapatnam


**Department of Computer Science Engineering**

**Workshop on Research Methodology and Statistics**  
(Level - III Part 1)

07-08-2021 to 11-08-2021

**Attendance Sheet**

S	Name of the Participant	Designation	11/8	11/8	7/8	8/8		
1	Prof. D. Madhavi	Professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2	Prof.D.RajaKishor	Professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
3	Mr. Syed Mujib Rahaman	Assoc. prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
4	Dr. G. Vamsi Krishna	Asst. Prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
5	Mr. D. Karun Kumar	Asst. professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
6	Mr. S.Venkata Swamy	Asst. prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
7	Mr. Md. Farhatullah	Asst. Professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
8	Mrs.Ch.Lavanya ratna	Asst. Prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
9	Mrs. T. Renuka	Asst Prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
11	Mr. D. Srikanth	Asst. Professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
12	Mr. K. Vijay	Asst. Prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
13	Ms. G. Kavya	Asst. Professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
14	Mr.P.Suresh Kumar	Asst. Prof	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
15	Ms.T.Aruna	Assistant Prof.	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
16	Mr.B.Santos Kumar	Assistant professor	P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
17	Mrs.V.Jayavani		P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
18	Ms.K.Sowjanya Naidu		P	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
19								
20								

K.   
Co-Ordinator

  
HOD



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## CIRCULAR

DATE: 08-08-2021

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a workshop on Research Methodology and Statistics" from 12-08-2021 to 17-08-2021. In this regard, all the faculty members are requested to attend the Workshop without fail.

Venue: Classroom CF8


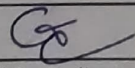
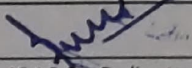

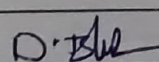


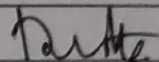
Time : 10:00AM

Program Coordinator: Dr.K.Anuradha  
Assistant Professor  
Department of Computer Science and Engineering

  
PRINCIPAL

Copy to  
Hon'ble Secretary and Correspondent  
Copy to all HODs, SDC Co-Ordinator  
IQAC Co-Ordinator

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
			
SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	HOD BS&H
			



## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## Workshop on Research Methodology and Statistics

12-08-2021 to 17-08-2021

Organized by

DEPARTMENT OF COMPUTER SCIENCE  
AND ENGINEERING



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)

## 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

Dr. D. Madhavi,  
Head of the Department,  
Department of Computer Science and  
Engineering  
Program Coordinator

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science and Engineering



## Organizing Committee

Dr. K. Anuradha  
Assistant Professor  
Ms. Aruna Thethali  
Assistant Professor  
Mr. G. Vamsi Krishna  
Assistant Professor

## Resource Person:

Dr.K.Anuradha  
Assistant Professor of CSE  
Dr. Lankapalli Bullayya College of Engineering.

## Contact Details

Dr. K. Anuradha  
Assistant Professor  
Department of Computer Science  
and Engineering  
Mobile no: 9440582990

## Venue:

Classroom CF8

## Objective of the program

- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal..

## Topics to be Covered:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 18-08-2021

## PROGRAM REPORT

Programme Name	Research Methodology and Statistics
Resource Person	Dr.K.Anuradha Assistant Professor of CSE Dr. Lankapalli Bullayya College of Engineering
Date of Activity	12-08-2021 to 17-08-2021
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.



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R & D Course (2021-08-06 at 01\_37 GMT-7).mp4

Open with

**Ex 13.4, B**  
A random variable X has the following probability distribution:

x	0	1	2	3	4	5	6	7
P(x)	0	k	2k	2k	3k	k <sup>2</sup>	2k <sup>2</sup>	7k <sup>2</sup> + k

Determine  
(i) k

Since X is a random variable,  
its Sum of Probabilities is equal to 1.

$$\sum P(x) = 1$$

$$P(x=0) + P(x=1) + P(x=2) + P(x=3) + P(x=4) + P(x=5) + P(x=6) + P(x=7) = 1$$

$$0 + k + 2k + 2k + 3k + k^2 + 2k^2 + 7k^2 + k = 1$$

$$0 + k + 2k + 2k + 3k + k^2 + 2k^2 + 7k^2 + k = 1$$

$$9k + 10k^2 = 1$$

$$10k^2 + 9k - 1 = 0$$

$$10k^2 + 10k - k - 1 = 0$$

Handwritten notes:  
 $E(x) = \sum x \cdot P(x)$   
 $V(x) = E(x^2) - [E(x)]^2$   
 $10k^2 + 10k - k - 1 = 0$   
 $(10k - 1)(k + 1) = 0$   
 $10k - 1 = 0$   
 $k = \frac{1}{10}$

Windows taskbar: Type here to search, 31°C, 12:20, 15-02-2023

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R & D Course (2021-08-07 at 01\_34 GMT-7).mp4

Open with

**Research & Development**  
 Add-on Program:  
 Research Methodology-Level:3  
 Commencing August 01-2021 (2021-22)  
 Join with Google Meet Room ID: 888 888 888 888  
 Course Overview  
 This course aims to understand the basic concepts involved with knowledge along formulating  
 and testing a hypothesis. Probability is that a valid solution can be  
 Objectives  
 1. To define steps of testing  
 Hypothesis  
 2. To understand the steps of testing

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### **Theme of the Program**

Research Methods and Statistics: Integrated study of descriptive research methods and corresponding statistical concepts.

Topics include ethical considerations, observational and survey research techniques, graphing, central tendency and variability, correlation and linear regression.

### **The workshop has been designed to achieve the following objectives:**

- To familiarize the participants with the basic concepts of Research Methodology.
- To enable the participants to develop quantitative and qualitative research skills.
- To familiarize the participants with the basics of data handling and analysis.
- To enable the person to determine the appropriate statistical techniques used to observational designs.
- To familiarize the person with shortcomings inherent in various observational designs.
- To gain an increased understanding of the application of scientific methods to the study of phenomena.
- To enable the participants to develop research plan proposal.

### **Learning Outcomes**

Able to learn the fundamental concepts of statistics. Handling various types of data and their graphical representation. Measures of location and dispersion. The concepts of statistics moments, skewness & kurtosis. The fitting of linear and non-linear curves. The correlation and regression analysis.

### **Course Contents:**

#### **SMALL SAMPLE TESTS**

Test of Significance Based on  $\chi^2$  Variences, Student -t Test , F, Goodness of fit for Binomial Distribution, Poission Distribution





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## Schedule of the workshop:


Title	Date	Title of the Topic Covered
SL.NO	Date	Topic Covered
1	12-8-2021	Small sample t – Test
2	12-8-2021	t-Test for samples from same Population
3	13-8-2021	Before and After Training
4	13-8-2021	Correlation coefficient
5	14-8-2021	F - Test
6	14-8-2021	Chi-Square
7	16-8-2021	Goodness of fit
8	16-8-2021	Goodness of fit for B.D
9	17-8-2021	Goodness of fit for P.D
10	17-8-2021	Assignment Conducted

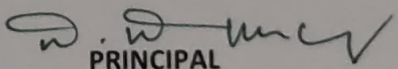
## Outcomes of the Program:

Upon successful completion of the workshop, participants will be able to:

- The fundamental concepts of statistics.
- Handling various types of data and their graphical representation.
- Measures of location and dispersion.
- The concepts of statistics moments, skewness & kurtosis.
- The fitting of linear and non-linear curves.
- The correlation and regression analysis

No. of Participants: 18

  
PROGRAM COORDINATOR

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



**Dr Lankapalli Bullayya College of Engineering,**  
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Visakhapatnam

**Department of Computer Science Engineering**

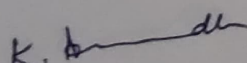
**Workshop on Research Methodology and Statistics**

(Level - III Part 2)

12-08-2021 to 17-08-2021

**Attendance Sheet**

S	Name of the Participant	Designation	12/8	12/8	13/8	13/8	14/8	14/8
1	Prof. D. Madhavi	Professor	P	P	P	P	P	P
2	Prof.D.RajaKishor	Professor	P	P	P	P	P	P
3	Mr. Syed Mujib Rahaman	Asst. Prof.	P	P	P	P	P	P
4	Dr. G. Vamsi Krishna	Asst. Prof.	P	P	P	P	P	P
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P	P	P
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P	P	P
7	Mr. Md. Farhatullah	Asst. Professor	P	P	P	P	P	P
8	Mrs.Ch.Lavanya ratna	Asst. Prof	P	P	P	P	P	P
9	Mrs. T. Renuka	Asst. Prof	P	P	P	P	P	P
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P	P	P	P
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P	P	P
12	Mr. K. Vijay	Asst. Prof	P	P	P	P	P	P
13	Ms. G. Kavya	Asst. Profess.	P	P	P	P	P	P
14	Mr.P.Suresh Kumar	Asst. prof	P	P	P	P	P	P
15	Ms.T.Aruna	Assistant Prof	P	P	P	P	P	P
16	Mr.B.Santos Kumar	Assistant professor	P	P	P	P	P	P
17	Mrs.V.Jayavani		P	P	P	P	P	P
18	Ms.K.Sowjanya Naidu		P	P	P	P	P	P
19								
20								

K.   
Co-Ordinator

  
HOD





# Dr Lankapalli Bullayya College of Engineering,

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

Visakhapatnam

## Department of Computer Science Engineering

### Workshop on Research Methodology and Statistics

(Level - III Part 2)

12-08-2021 to 17-08-2021

### Attendance Sheet

S	Name of the Participant	Designation	16/7	16/7	17/7	17/7		
1	Prof. D. Madhavi	Professor	P	P	P	P		
2	Prof.D.RajaKishor	Professor	P	P	P	P		
3	Mr. Syed Mujib Rahaman	Asst. Prof	P	P	P	P		
4	Dr. G. Vamsi Krishna	Asst. Prof	P	P	P	P		
5	Mr. D. Karun Kumar	Asst. professor	P	P	P	P		
6	Mr. S.Venkata Swamy	Asst. prof	P	P	P	P		
7	Mr. Md. Farhatullah	Asst. professor	P	P	P	P		
8	Mrs.Ch.Lavanya ratna	Asst. Prof	P	P	P	P		
9	Mrs. T. Renuka	Asst. Prof	P	P	P	P		
10	Mrs. P. Rajya Lakshmi	Asst. Prof.	P	P	P	P		
11	Mr. D. Srikanth	Asst. Professor	P	P	P	P		
12	Mr. K. Vijay	Asst. Prof	P	P	P	P		
13	Ms. G. Kavya	G. Kavya	P	P	P	P		
14	Mr.P.Suresh Kumar	Asst. Prof	P	P	P	P		
15	Ms.T.Aruna	Assistant Prof	P	P	P	P		
16	Mr.B.Santos Kumar	Assistant professor	P	P	P	P		
17	Mrs.V.Jayavani		P	P	P	P		
18	Ms.K.Sowjanya Naidu		P	P	P	P		
19								
20								

K. Anand  
Co-Ordinator

HOD



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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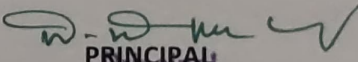
## CIRCULAR

DATE:07-09-2021

We are delighted to announce a one day seminar on "Tips to be a successful Entrepreneur" which is scheduled to take place on 11/09/2021. All the students of IV\IV B.Tech EEE are requested to attend the informative session. For further details kindly contact our event coordinator.

Venue: Block -7 Seminar Hall


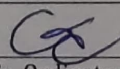
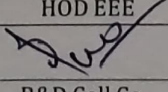
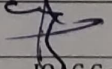
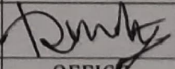
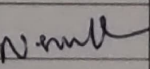

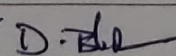



Program Coordinator: Mr. Ch. Ravi Kumar  
Assistant professor,  
Department of Electrical and Electronics Engineering.

  
PRINCIPAL

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

### Copy to

Hon'ble Secretary and Correspondent  
Copy to all HODs, SDC Co-Ordinator  
IQAC Co-Ordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE	HOD BS & H	TPO
					
LIBRARY	SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	OFFICE	
					



## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 2010 with an annual intake of 60 students for the B. Tech Program.. The experienced faculty guide the Department aiming at educating and training students with sound knowledge and awareness in the fields of electrical and electronics engineering. All the faculty members actively involve themselves in improving their education qualifications and research work. The management provide training to faculty and students on recent technologies. Various workshops and training programs are frequently conducted in the Department.

A one-day seminar on 'Tips to be a successful Entrepreneur'

11-09-2021

Organized by  
DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING



**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)

## 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

**Dr. G. Anand,**  
Head of the Department,  
Department of Electrical and Electronics  
Engineering  
Program Coordinator

**Mr.Ch. Ravi Kumar**  
Assistant professor  
Department of Electrical and Electronics  
Engineering



## Organizing Committee

Mr. Ch. Ravi Kumar  
Assistant Professor, Coordinator  
Mr. B. Satish Kumar,  
Assistant professor  
Mrs. S.Hema,  
Assistant professor

## Resource Person:

Mrs. M. Padmaja  
Assoc Prof., MBA Department,  
Chaitanya Engineering College  
Kommadi.  
Viskahapatnam.  
email: Padmaja2020@gmail.com  
Ph.No.9440311419

## Contact Details

Mr. Ch. Ravi Kumar  
Assistant Professor,  
Department of Electrical and  
Electronics Engineering  
Mobile no: 9618585005

## Venue:

Seminar Hall  
Block-7

## Objective of the program

This session aims to investigate and create awareness and direction of identity in evaluating success phenomenon in entrepreneurship. This study will reveal the subjective reality from the perspective of someone involving in the external or internal environment of entrepreneurship. Besides investigating the process of becoming an entrepreneur, this study wants to find out the subject's understanding of the social orientation consisting of career choices and the motive of being an entrepreneur, as well as how to manage

## Topics to be Covered:

- Mission statement of your business
- Your products or services
- Financial information of your business
- Employee information





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 14-09-2021

## PROGRAM REPORT

Program Name	One day seminar on ' Tips to be a successful Entrepreneur'
Resource Person	Mrs. M.Padmaja, MBA Assoc., Prof & HOD Chaitanya Engineering College, Kommadi. Visakhapatnam
Date Of Activity	11-09-2021
Organized By	Department of Electrical and Electronics Engineering, Dr Lankapalli Bullayya College of Engineering.
Venue	Block-7 Seminar Hall

### Objective of the program:

- The purpose of this program is to investigate entrepreneurs' experiences on their own business development.
- This seminar will be useful and valuable for all the beginners who want to know how to start their own business.

Topics to be covered:

- Products and services
- Business mission
- Financial information

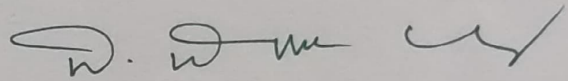




**The course outcomes:**

- This program created awareness among the participants regarding the importance of entrepreneurship and the basic rules followed by successful entrepreneurs.
- The participants were given with basic concepts of entrepreneurship with the experiences learned from the successful entrepreneurs.

No of Participants : 32



**Principal**

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



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## STUDENTS LIST

Name of Program: A one day Seminar on 'Tips to be a successful Entrepreneur'

Date: 11-09-2021

S. No	Name of the student	Roll No	Department	Signature
1.	BUDDIREDDI SAI PARVEEN	318136414001	EEE	Sai Parveen
2.	DODLA SAI HARSHITHA	318136414002	EEE	D. Sai Harshitha
3.	DURGA DEEKSHITHA SAI	318136414003	EEE	Durga Deekshitha Sai
4.	K SEETHALA DEVI	318136414004	EEE	K. devi
5.	MANTHA YASHASVI LALITHA	318136414005	EEE	M. Lalitha
6.	MOOGI HARITHA	318136414006	EEE	Haritha
7.	NOONELA NYPUNYA	318136414007	EEE	N. Nypunya
8.	P. VENKATA LALITHA VYSHNAVI	318136414008	EEE	P.V. Vyshnavi
9.	R. VENKATA SAI ACHUTA ROSHINI	318136414009	EEE	R. Roshini
10.	REDDI POOJITHA	318136414010	EEE	Reddi Poojitha
11.	SARIPALLI KUSUMA	318136414011	EEE	S. Kusuma
12.	SARVASIDDHI BHAVANI SAHITHI	318136414012	EEE	S. Bhavani Sahithi
13.	SEERAPU PRANATHI	318136414013	EEE	S. Pranathi
14.	TUMMAPALA SUVARNA AKHILA	318136414014	EEE	T. Akhila
15.	URIMITI PRATHYUSHA	318136414015	EEE	U. Prathyusha
16.	VEPACHEDU SIRISHA	318136414016	EEE	V. Sirisha
17.	VINNAKOTA VENNELA KIRAN	318136414017	EEE	V. Kiran
18.	VULLURI AKHILA	318136414018	EEE	V. Akhila
19.	DEEPA NAIK	318136414019	EEE	DEEPA NAIK
20.	BATHINA JYOTHI	318136414020	EEE	B. Jyothi
21.	BEHARA SUNITHA	318136414021	EEE	B. Sunitha
22.	BOBBILI JYOTHSNA	318136414022	EEE	B. Jyothsna
23.	BOTTA SUMALATHA	318136414023	EEE	B. Sumalatha
24.	CHADARAM VANDANA	318136414024	EEE	Ch. Vandana
25.	CHEEDI SWATHI	318136414025	EEE	Ch. Swathi
26.	CHINTAPALLI ANURADHESWARI	318136414026	EEE	Ch. Anuradheswari
27.	DAMARASING SYAMALA	318136414027	EEE	D. Syamala
28.	MARISA JHANSI	318136414028	EEE	M. Jhansi
29.	NAGULA GAYATHRINAGAMANI	318136414029	EEE	N. Gayathri
30.	NAMBARU VASANTHA	318136414030	EEE	N. Vasantha
31.	OLESI PRAGATHI	318136414031	EEE	O. Pragathi
32.	PATTIGILLI PRATHYUSHA	318136414032	EEE	P. Prathyusha

PROGRAM COORDINATOR

PRINCIPAL

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





# Dr. Lankapalli Bullayya College of Engineering

Department of Electronics and Communication Engineering

Approved by AICTE, Affiliated to Andhra University

New Resapuvanipalem, VSKP-13, Sponsored by Society for Collegiate Education.

Email: ecehod@lbce.edu.in

Website: www.lbce.edu.in.

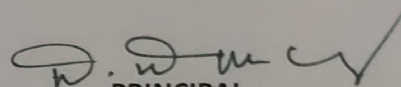
## CIRCULAR

DATE: 28-10-2021

We are delighted to announce a one-day seminar titled "Research and Innovations in Engineering" which is scheduled to take place on 13-11-2021. In this regard, all the students of IV/IV B.Tech ECE students are requested to attend the seminar without fail and further details, kindly contact our Program coordinator.

Venue: classroom CS-7, Block-7.


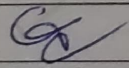
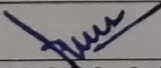

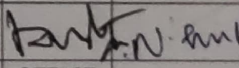
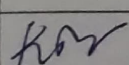
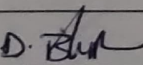

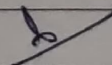

Program Coordinator: Mrs. R. Sridevi,  
Assistant Professor,  
Department of Electronics and Communication Engineering.

  
PRINCIPAL  
Principal

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

### Copy to

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Copy to all HODs, SDC Co-Ordinator  
IQAC Co-Ordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE	HOD BS&H	TPO
					
LIBRARY	SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	OFFICE	
					

## 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 was 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 with Andhra University, Visakhapatnam, and approved by AICTE, New Delhi.

## ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering was established in the year 2010 with an annual intake of 120 students for the B. Tech Program. The Department has a mix of both experienced and young faculty. All the faculty members actively involve themselves in improving their education qualifications and research work. Faculty and students are encouraged to attend and participate in various seminars, workshops, and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, conferences, and seminars.

## ONE-DAY SEMINAR ON RESEARCH AND INNOVATIONS IN ENGINEERING

**13-11-2021**

Organized by

**DEPARTMENT OF ELECTRONICS AND  
COMMUNICATION ENGINEERING**



Dr Lankapalli Bullayya College of Engineering  
(Approved by AICTE, New Delhi, Affiliated to  
Andhra University, Visakhapatnam)  
Andhra Pradesh- 530013  
Website: [www.lbce.edu.in](http://www.lbce.edu.in)

## 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

Dr. Solomon J V Gotham,  
Head of the Department,  
Department of Electronics and  
Communication Engineering

## PROGRAMME COORDINATOR

Mrs. R. Sridevi,  
Assistant Professor  
Department of Electronics and  
Communication Engineering



## ORGANIZING COMMITTEE

Mrs. R. Sridevi  
Assistant professor  
Coordinator  
Mrs. B. Narasimha Reddy  
Assistant professor  
Ms. K. Rajesh Kumar  
Assistant professor

## RESOURCE PERSON

Mr. B. SANGEETH KUMAR  
Assistant Professor,  
ECE Department,  
Sanketika Institute of Tech & Management,  
Visakhapatnam-41

## CONTACT DETAILS

Mrs. R. Sridevi,  
Assistant Professor,  
Department of Electronics and Communication  
Engineering  
Mobile no:9346668027  
Email: [rsridevi@lbce.edu.in](mailto:rsridevi@lbce.edu.in)

## VENUE:

CLASSROOM CS-7,  
BLOCK-7.

## OBJECTIVE OF THE PROGRAM

The one-day seminar on research and innovations in engineering is designed with several overarching objectives in mind. First and foremost, it aims to provide a dynamic platform for participants, including students, researchers, and industry professionals, to gain comprehensive insights into the latest advancements and innovative trends within the field of engineering. Ultimately, the seminar's objectives revolve around equipping attendees with the knowledge, inspiration, and networking opportunities necessary to contribute to the ever-evolving landscape of engineering research and innovation.

## TOPICS TO BE COVERED:

- ❖ Emerging Technologies in Engineering
- ❖ Innovation Strategies and Best Practices
- ❖ Engineering for Sustainability and Environmental Impact
- ❖ Digital Transformation and Industry 4.0 in Engineering
- ❖ Robotics and Automation in Engineering
- ❖ Ethical Considerations in Engineering Research and Innovation
- ❖ STEM Education and Encouraging Future Innovators
- ❖ Entrepreneurship and Startups in Engineering



# Dr. Lankapalli Bullayya College of Engineering

Department of Electronics and Communication Engineering

Approved by AICTE, Affiliated to Andhra University

New Resapuvanipalem, VSKP-13, Sponsored by Society for Collegiate Education.

Email: ecehod@lbce.edu.in

Website: www.lbce.edu.in

DATE: 15-11-2021

## PROGRAM REPORT

<b>Programme Name</b>	One-Day Seminar on Research and Innovations in Engineering
<b>Resource Person</b>	Mr. B. SANGEETH KUMAR ASSISTANT PROFESSOR, ECE DEPARTMENT SANKETIKA INSTITUTE OF TECH & Management, Visakhapatnam-41
<b>Date Of Activity</b>	13-11-2021
<b>Organized By</b>	Department of Electronics and Communication Engineering, Dr Lankapalli Bullayya College of Engineering
<b>Venue</b>	classroom CS-7, Block-7.

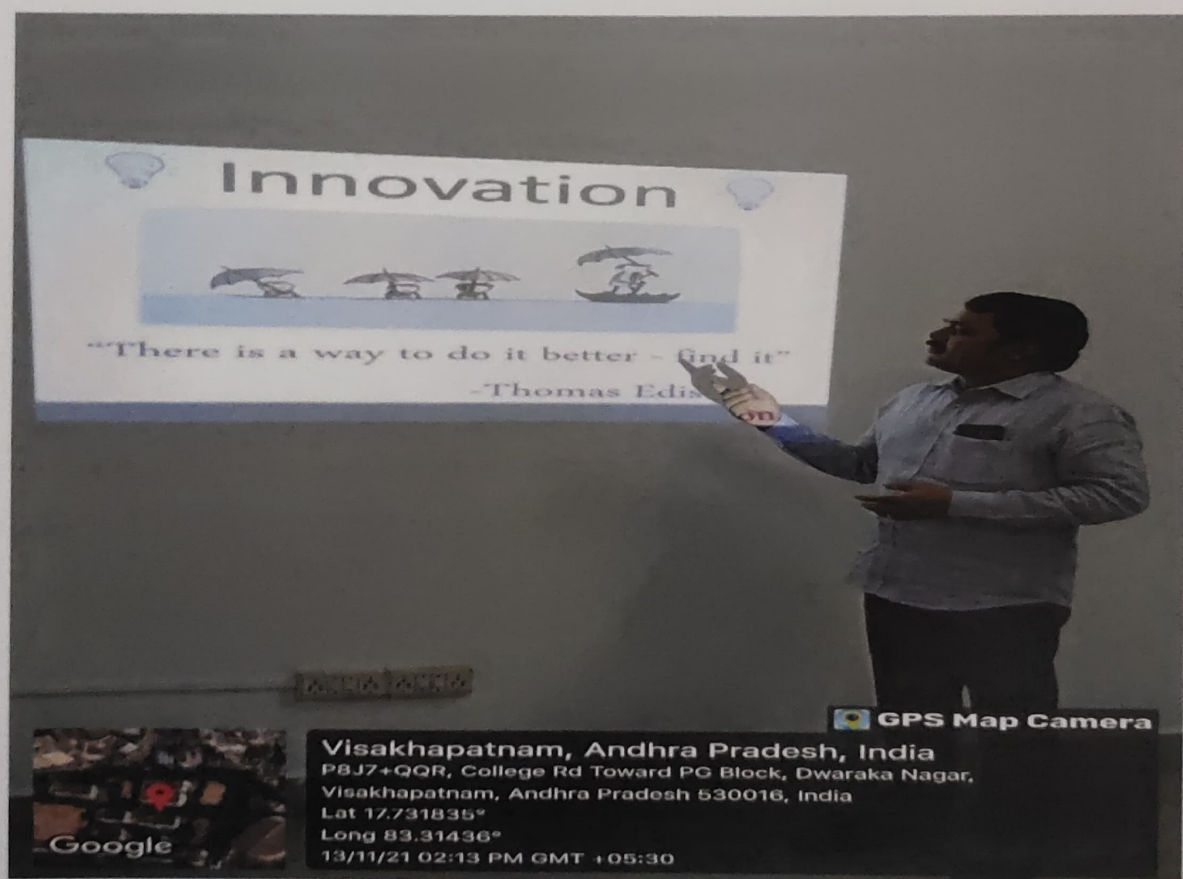
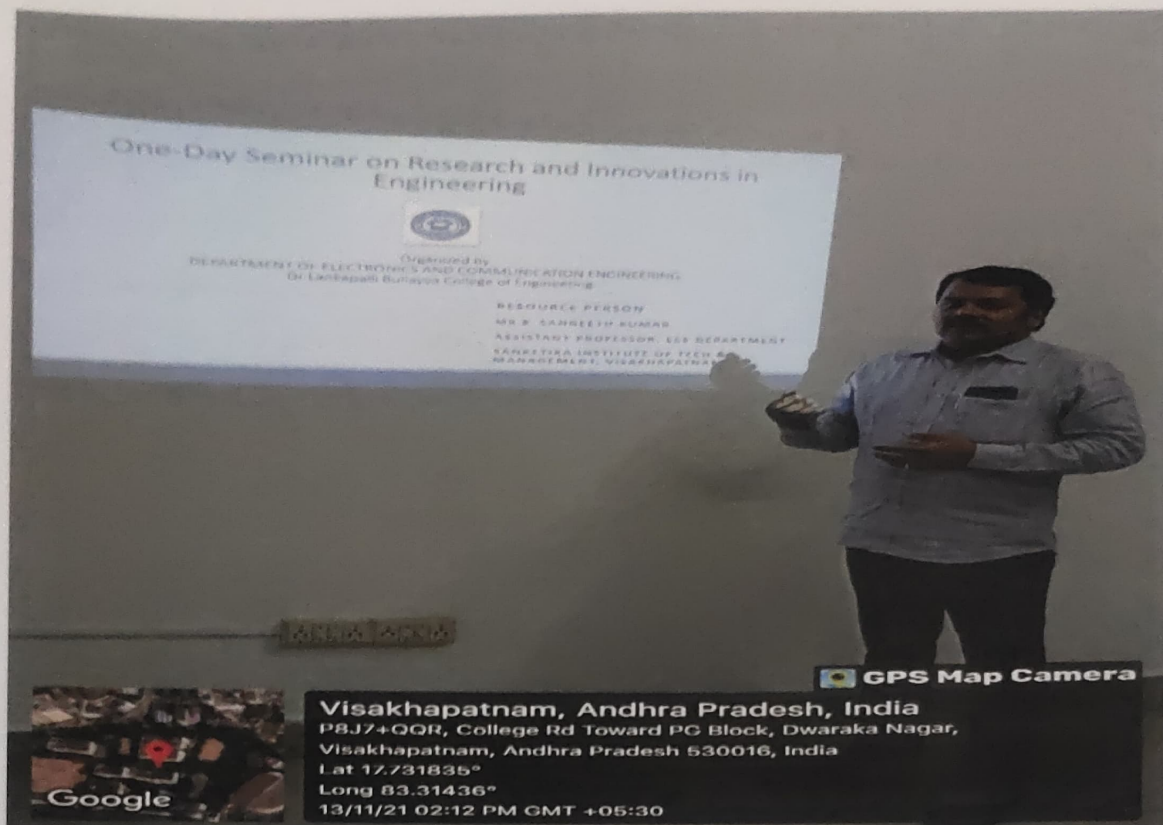
### Objective of the program:

The one-day seminar on research and innovations in engineering is designed with several overarching objectives in mind. First and foremost, it aims to provide a dynamic platform for participants, including students, researchers, and industry professionals, to gain comprehensive insights into the latest advancements and innovative trends within the field of engineering. The seminar seeks to foster a culture of knowledge-sharing, collaboration, and creativity, encouraging attendees to exchange ideas and engage in meaningful discussions. Furthermore, the program intends to inspire and ignite the innovative spirit by showcasing groundbreaking research, case studies, and best practices in engineering. It aims to provide participants with valuable takeaways, including practical insights, novel approaches, and a deeper understanding of the challenges and opportunities in the engineering domain. Ultimately, the seminar's objectives revolve around equipping attendees with the knowledge, inspiration, and networking opportunities necessary to contribute to the ever-evolving landscape of engineering research and innovation.

### Topics Covered:

- Emerging Technologies in Engineering
- Innovation Strategies and Best Practices
- Engineering for Sustainability and Environmental Impact
- Digital Transformation and Industry 4.0 in Engineering
- Robotics and Automation in Engineering
- Ethical Considerations in Engineering Research and Innovation
- STEM Education and Encouraging Future Innovators
- Entrepreneurship and Startups in Engineering





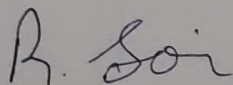
Mr. B. SANGEETH KUMAR gave a presentation on Research and Innovations in Engineering on

13-11-2021

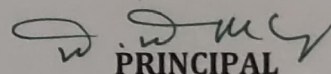
### **The outcome of the Programme:**

The one-day seminar on research and innovations in engineering is expected to yield several valuable outcomes for its diverse range of participants. Firstly, attendees will leave with an enriched understanding of the latest advancements and innovative trends in engineering, enabling them to stay at the forefront of their respective fields. The seminar's interactive nature and networking opportunities will foster collaborations, allowing professionals, researchers, and students to build connections and exchange ideas that may lead to new research projects or innovations. Moreover, the program is poised to inspire and ignite creativity by showcasing successful case studies, innovative approaches, and best practices, motivating attendees to think outside the box and contribute to the ever-evolving world of engineering. Practical takeaways, such as novel strategies and insights, will empower participants to approach their research and work with fresh perspectives and enhanced problem-solving skills. Ultimately, the seminar aims to create a ripple effect, leading to a greater collective contribution to engineering research and innovation, further strengthening the field's impact on society.

**Total no. of students participated :31**



**PROGRAM COORDINATOR**

  
**PRINCIPAL**

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





# Dr. Lankapalli Bullayya College of Engineering

Department of Electronics and Communication Engineering

Approved by AICTE, Affiliated to Andhra University

New Resapuvanipalem, VSKP-13, Sponsored by Society for Collegiate Education.

Email: ecehod@lbce.edu.in

Website: www.lbce.edu.in

## STUDENT LIST

Name of Program: One-Day Seminar on Research and Innovations in Engineering

Date: 13-11-2021

S.No	Reg. No	Name of the Student	Year/Branch	Signature
1.	318136412001	A BHAWANI	IV ECE-A	A. Bhawani
2.	318136412002	AKULA JAYASREE	IV ECE-A	AKULAJAYASREE
3.	318136412003	ALLEN VENKATA SRI RESHMI	IV ECE-A	A. Reshmi
4.	318136412004	ANIPEDDI PADMA	IV ECE-A	A. Padma
5.	318136412005	ANJALI	IV ECE-A	Anjali
6.	318136412006	ANTYAKULA NIKHITHA	IV ECE-A	A. NIKHITHA
7.	318136412007	ANUPAMA HARITHA	IV ECE-A	A. Haritha
8.	318136412008	APPARI VYSHNAVI	IV ECE-A	A. Vyshnavi
9.	318136412009	ARUNA JYOTHI SRAVANI CHANDANALA	IV ECE-A	Aruna
10.	318136412012	BEERAM SAI PRANOTHRI	IV ECE-A	Beeram
11.	318136412013	BELAGAM MANASWINI	IV ECE-A	Manaswini
12.	318136412014	BEVARA MEGHANA	IV ECE-A	Meghana
13.	318136412015	BHASYAM HEMALATHA	IV ECE-A	Hemalatha
14.	318136412016	BORA LAVANYA	IV ECE-A	B. Lavanya
15.	318136412017	BORA SHARMILA	IV ECE-A	B. Sharmila
16.	318136412020	CHEEKATLA GANESH SNIGDHA	IV ECE-A	Ganesh
17.	318136412021	SUPREETHI CHERUKURI	IV ECE-A	Cherukuri
18.	318136412022	CHINTAPALLI DEEPIKA	IV ECE-A	Deepika
19.	318136412023	CHITTA PRATYUSHA	IV ECE-A	Pratyusha
20.	318136412024	CHOLLANGI SATYA PRIYA	IV ECE-A	Satya Priya
21.	318136412025	CHUKKA PRAMEELA	IV ECE-A	Prameela
22.	318136412028	GATTEY LAKSHMI PRATHYUSHA	IV ECE-A	Prathyusha
23.	318136412029	GATTI KUSUMA	IV ECE-A	G. Kusuma
24.	318136412030	GOLAGANA SRI KAVYA	IV ECE-A	G. Kavya
25.	318136412032	GOTTUMUKKALA SHRAVYA	IV ECE-A	Shravya
26.	318136412033	GUMMADI AKILESWARI SREE SAI ALEKHIA	IV ECE-A	Alekhiya
27.	318136412034	GUNDUBOGULA SRI VENKATA SATYA SAI SAHITYA	IV ECE-A	Venkatsatya sai
28.	318136412035	INDIRA MINDI	IV ECE-A	MINDI
29.	318136412036	JALLU SRI PRANATHI	IV ECE-A	Sri Pranathi
30.	318136412039	KALAGA CHANDRIKA	IV ECE-A	Chandrika
31.	318136412040	KANNIKANTI GEETHIKA SAI	IV ECE-A	K. Geethika Sai

R. Sai  
PROGRAM COORDINATOR

D. S. S. S.  
PRINCIPAL

Principal

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



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## CIRCULAR

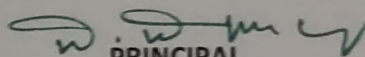
DATE: 02-11-2021

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a "One Day Seminar on Research Insights on Modern Industrial Technologies" on 13-11-2021 from 10:00am to 5:00 pm at Block -7 CF8. In this regard, all the students of IV\IV B.Tech CSE students are requested to attend the seminar without fail.

Venue: Classroom CF6

Time : 10:00AM


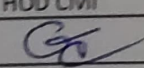
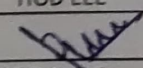
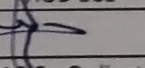
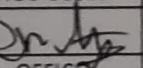

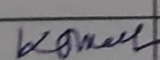
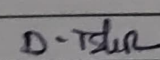
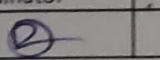
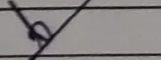
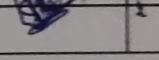
Program Coordinator: Ms. B. SANTOS KUMAR  
Assistant Professor  
Department of Computer Science and Engineering

  
PRINCIPAL

Principal

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

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IQAC Co-Ordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE	HOD BS&H	TPO
					
LIBRARY	SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	OFFICE	
					



## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## A One Day Seminar on Research Insights on Modern Industrial Technologies

13-11-2021

Organized by  
DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING



**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)**

## 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

**Dr.D.Madhavi,**  
**Head of the Department,**  
**Department of Computer Science**  
**and Engineering**  
**Program Coordinator**

**Ms. B. Santos Kumar**  
**Assistant professor**  
**Department of Computer Science**  
**and Engineering**



## Organizing Committee

Mr. B. Santos Kumar  
Assistant Professor, Coordinator  
Ms. Aruna Thethali  
Assistant professor  
Mr. G. Vamsi Krishna  
Assistant professor

## Resource Person:

V.Nagu, MTech (PhD)  
Asst.Prof  
Bapatla Engineering College

## Contact Details

V.Nagu, MTech (PhD)  
Asst.Prof  
Bapatla Engineering College  
Mobile no: 9010888807

## Venue:

Class  
Room CF-6

## Objective of the program

- Knowledge Dissemination: Share research insights on modern technologies and their impact on industries.
- Catalyze Innovation: Encourage attendees to think creatively and innovate using research-based knowledge.
- Cross-industry Integration: Promote discussions on integrating technology trends across diverse industries for a holistic approach.

## Topics to be Covered:

- Ethical Responsibility: Develop a strong sense of ethical responsibility in the application and adoption of modern technologies in industries.
- Inspiration to Innovate: Be inspired to innovate and contribute to the ongoing technological revolution shaping industries and society.
- Industry Readiness: Build confidence and readiness to adapt to and thrive in rapidly evolving industrial landscapes driven by technological advancements.





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 13-11-2021

## PROGRAM REPORT

Programme Name	A One Day Seminar on Research Insights on Modern Industrial Technologies
Resource Person	V.Nagu, MTech (PhD) Asst.Prof Bapatla Engineering College
Date of Activity	13-11-2021
Organised By	Department of Computer Science Engineering, Dr LankapalliBullayya College of Engineering
Venue	Block-7 CF8

### About the Institute:

Dr. LankapalliBullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. LankapalliBullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.

**Theme of the Program:**

The theme "Research Insights on Modern Technologies" sets the stage for an event that envisions a transformative approach to industries through cutting-edge technology and research. Today, we stand at the cusp of a technological revolution that is reshaping the very fabric of how industries function. This event aspires to explore the profound influence of modern technologies on various sectors, providing a platform to unravel research insights that are catalyzing this revolution. Attendees will gain a comprehensive understanding of how advancements in technology are disrupting traditional paradigms and creating new opportunities for innovation and growth. The event endeavors to spark dialogues, inspire collaborations, and foster a vision where engineering expertise aligns with the transformational potential of technology, revolutionizing industries and societies.

**Program Objectives:**

- Knowledge Dissemination: Share research insights on modern technologies and their impact on industries.
- Catalyze Innovation: Encourage attendees to think creatively and innovate using research-based knowledge.
- Cross-industry Integration: Promote discussions on integrating technology trends across diverse industries for a holistic approach.
- Skill Enhancement: Enhance critical thinking, problem-solving, and analytical skills for navigating the technological landscape.
- Networking and Collaboration: Provide opportunities for networking and collaboration among students, researchers, and industry experts.
- Ethical Considerations: Raise awareness of ethical considerations in the adoption of modern technologies in industries.
- Career Guidance: Offer insights into potential career paths and opportunities emerging in tech-driven industries.
- Inspire Research Participation: Motivate engineering students to actively engage in research projects contributing to industrial transformation.

**Program Content:**

- Artificial Intelligence (AI) and Machine Learning: Applications and advancements of AI and ML in various industries, revolutionizing decision-making and efficiency.
- Internet of Things (IoT) and Connectivity: IoT's transformative impact on industries, from logistics to smart manufacturing and healthcare.
- Sustainable Technologies: Advances in sustainable energy, circular economy, and eco-friendly practices, reshaping the sustainability landscape of industries.
- Healthcare and Bioengineering: Innovations in healthcare technologies, bioengineering applications, and personalized medicine driving improvements in patient care and diagnostics.





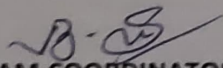
- Automation and Robotics: Applications and advancements in automation and robotics across industries, enhancing productivity and precision.
- Blockchain and FinTech: Disrupting the financial sector with blockchain applications and emerging trends in FinTech.
- Cybersecurity and Privacy: Strategies and technologies safeguarding industries from cyber threats and ensuring data privacy.
- Human-Machine Interaction: Exploring advancements in human-machine interfaces, enhancing user experiences and facilitating intuitive interactions.

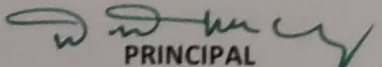
#### Program Outcomes:

Upon successful completion of the workshop, participants will be able to:

- Comprehensive Knowledge: Attain an in-depth understanding of the latest advancements and research in modern technologies impacting industries.
- Research Involvement: Be inspired to actively participate in research projects that contribute to industrial transformation and innovation.
- Professional Connections: Establish connections with peers, experts, and industry professionals, paving the way for future collaborations and growth.
- Critical Thinking Skills: Enhance critical thinking and analytical skills, vital for tackling real-world challenges and advancements in technology.
- Career Path Clarity: Gain insights into various career paths and specialization areas within tech-driven industries.
- Ethical Responsibility: Develop a strong sense of ethical responsibility in the application and adoption of modern technologies in industries.
- Inspiration to Innovate: Be inspired to innovate and contribute to the ongoing technological revolution shaping industries and society.
- Industry Readiness: Build confidence and readiness to adapt to and thrive in rapidly evolving industrial landscapes driven by technological advancements.

No. of Participants: 35

  
PROGRAM COORDINATOR

  
PRINCIPAL  
Principal  
Dr. Lakshapalli Bullayya College of Engineering  
D.No.52-14-75, Resapuvanipalem  
Vieakhapatnam-530013, Andhra Pradesh





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

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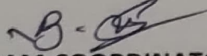
## LIST OF THE PARTICIPANTS

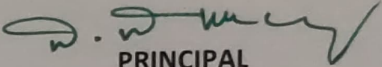
Name of the Program: One Day Seminar on Research Insights on Modern Industrial Technologies

Date: 13-11-2021

S No	Regd.No	Name of the Student	Year/Branch	Signature
1	319136410005	ANNAM SINDHUJA	IV CSE A	A. Sindhuja
2	319136410006	ANNASAMUDRAM RUCHITA	IV CSE A	A. RUCHITA
3	319136410007	ARJI HEMALATHA	IV CSE A	A. HEMALATHA
4	319136410008	ARYASOMAYAJULA MANASWINI	IV CSE A	A. MANASWINI
5	319136410009	AVASARALA ANANYA SRI	IV CSE A	A. ANANYA SRI
6	319136410010	BADI MOUNIKA	IV CSE A	B. Mounika
7	319136410011	BALAGA APARANJANI	IV CSE A	B. Aparna
8	319136410027	CHERUKU MANVITHA	IV CSE A	K. Manvitha
9	319136410028	CHINNI TEJASWINI	IV CSE A	CH. Tejaswini
10	319136410029	CHINTAPILLI SAI UJWALA	IV CSE A	Ch. Ujwala
11	319136410030	CHOKKAKULA GEETHA SRI	IV CSE A	Ch. Geetha
12	319136410036	DUNDU HARSHITHA	IV CSE A	D. Harshitha
13	319136410037	EDUBILLI HEMALATHA DEVI	IV CSE A	E. Devi
14	319136410038	ESARLA JYOTHSNA	IV CSE A	G. Jyotsna
15	319136410039	GADEPALLI SATWIKA	IV CSE A	G. Satwik
16	319136410040	GANIREDDI KEERTHI SREE	IV CSE A	G. Keerthi
17	319136410055	KANAKALA SWETHA	IV CSE A	K. Swetha
18	319136410056	KANCHARANA SRAVANI	IV CSE A	K. Sravan
19	319136410057	KANCHARLA SAI USHA RANI	IV CSE A	K. Usha
20	319136410058	KANDIKUPPA LAKSHMI DIXITA	IV CSE A	K. Dixita
21	319136410059	KANITHI BHARGAVI	IV CSE A	K. Bhargavi
22	319136410060	KANTIMAHANATHI AASHRITHA	IV CSE A	K. Ashritha
23	319136410061	KANURI SAI CHATURYA	IV CSE A	K. Sai Chaturya
24	319136410055	KANAKALA SWETHA	IV CSE A	K. Swetha

25	319136410108	SHEK MANISHA	IV CSE B	Sk. MANISHA
26	319136410072	MAMIDI CHARISHMA	IV CSE B	m. Charishma
27	319136410073	MAMIDI VENKATA GEETHA LAKSHMI	IV CSE B	m. Geetha Lakshmi
28	319136410074	MANDA V L B KAMESHWARI	IV CSE B	m. Kameshwari
29	319136410075	MARAGADA LAVANYA	IV CSE B	m. Lavanya
30	319136410076	MARUBOYINA BHAVISHYA	IV CSE B	m. Bhavishya
31	319136410077	MEDIMI PRATHYUSHA	IV CSE B	m. Prathyusha
32	319136410078	MOLLETI SUPRAJA	IV CSE B	m. Supraja
33	319136410079	MUDDAMSETTY SREE ANULEKHA	IV CSE B	m. Anulekha
34	319136410080	MURALA LISHA NARMADA	IV CSE B	m. Lisha Narmada
35	319136410127	GEESALA VANDANA	IV CSE B	g. Vandana

  
PROGRAM COORDINATOR

  
PRINCIPAL





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## CIRCULAR

DATE: 05-12-2021

We are delighted to announce a seminar titled "Intellectual Property Rights in India and International" which is scheduled to take place on 11/12/2021. In this regard, all the students of IV/IV B.Tech Civil Students are requested to attend the seminar without fail.

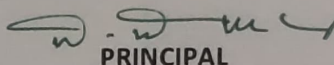
Venue: CIVIL- Class Room, Block 8

Time: 10:00 AM

Program Coordinator: Ms. M. Amareswari Reddy

Assistant Professor,


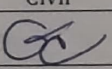
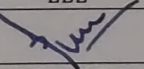
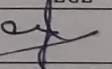
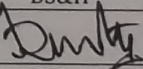
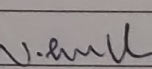
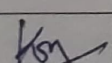
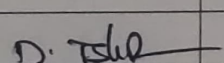

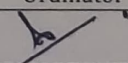

Department of Civil Engineering.

  
PRINCIPAL  
Principal

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

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## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering formerly known as Dr. Lankapalli Bullayya College of Engineering 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 was 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 with Andhra University, Visakhapatnam, and approved by AICTE, New Delhi.

### PROGRAMME COORDINATOR

**Ms M. Amareswari Reddy**  
Assistant professor  
Department of Civil Engineering  
Visakhapatnam.

## One Day Seminar on an Intellectual property rights on India & International

**11-12-2021**

**Organized by**

**DEPARTMENT OF CIVIL ENGINEERING**



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)

## ORGANIZING COMMITTEE

### CHIEF PATRON

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

### PATRON

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

### CONVENOR

**Dr. G.T Naidu Ph.D.,**  
Head of the Department  
Department of Civil Engineering,  
Visakhapatnam.



## ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2010, with an annual intake of 60 students for the B. Tech program. It has a mix of both experienced and young faculty. The majority of the faculty members actively involve themselves in improving their education qualifications and research work. Faculty and students are encouraged to attend and participate in various seminars, workshops, and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, seminars, and conferences.

The Civil Department is well-equipped with spacious laboratories and experienced technicians. The Department of Civil Engineering also offers various consultancy works.

### ORGANIZING COMMITTEE

Mr.T.V. Murali (Asst. Professor)  
Mrs. Arunima M (Asst. Professor)  
Mrs. B. Raja Rajeswari (Asst. Professor)  
Mr.G.Giridhar (Asst. Professor)  
Ms. A. Harshita (Asst. Professor)  
Mrs.Ch Shilpa (Asst. Professor)  
Mrs. M. Himangeswari (Asst. Professor)  
Ms. D.V.V. Manasa (Asst. Professor)

## RESOURCE PERSON

**Dr. G. Venkata Rao,**  
MBA, MHRM, M. Phil, Ph. D  
Senior Research Fellow (ICSSR)  
Assistant Professor,  
Department of Human Resource  
Management,  
Dr. L Bullayya P.G College

### CONTACT DETAILS

**Ms. M. Amareswari Reddy**  
Assistant Professor  
Department of Civil Engineering  
Ph:9603453897  
Email id: amareswariresddy@lbce.edu.in

### VENUE

**CIVIL-Class Room**  
**BLOCK-8**

## OBJECTIVE OF THE PROGRAM

The objectives of Intellectual property rights on India and internationally are aimed at equipping and introducing the fundamental concepts and types of intellectual property rights. Compare and contrast Indian IP laws with international standards and treaties. Provide strategies for leveraging IP rights in business and innovation. Discussing the challenges and mechanisms for enforcing IP rights. Raise awareness and educate stakeholders on IP rights. These objectives collectively aim to enhance awareness, understanding, and practical application of Intellectual Property Rights in both Indian and international contexts, fostering innovation, protecting creativity, and ensuring a conducive environment for economic growth and development.

### TOPICS To Be COVERED

- Protecting your intellectual properties
- Exploring Indian IP Laws and Regulations
- Comparison with International IP Laws
- Addressing Challenges and Enforcement of IP Rights
- Raising Awareness and Education on IP Rights
- Patent and Design files



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 14-12-2021

## PROGRAM REPORT

<b>Programme Name</b>	One-day Seminar on "Intellectual Property Rights in India and International"
<b>Resource Person</b>	Dr. G. Venkata Rao, MBA, MHRM, M. Phil, Ph. D Senior Research Fellow (ICSSR) Assistant Professor, Department of Human Resource Management, Dr. L Bullayya P.G College Visakhapatnam
<b>Date Of Activity</b>	11/12/2021
<b>Organized By</b>	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering Visakhapatnam
<b>Venue</b>	CIVIL-Class Room, Block-8

### Objective of the program:

The objectives of Intellectual property rights in India and internationally are aimed at equipping and introducing the fundamental concepts and types of intellectual property rights. Compare and contrast Indian IP laws with international standards and treaties. Provide strategies for leveraging IP rights in business and innovation. Discussing the challenges and mechanisms for enforcing IP rights. Raise awareness and educate stakeholders on IP rights. These objectives collectively aim to enhance awareness, understanding, and practical application of Intellectual Property Rights in both Indian and international contexts, fostering innovation, protecting creativity, and ensuring a conducive environment for economic growth and development.

### Topics Covered on tools:

- Protecting your intellectual properties
- Exploring Indian IP Laws and Regulations
- Comparison with International IP Laws
- Addressing Challenges and Enforcement of IP Rights
- Raising Awareness and Education on IP Rights
- Patent and Design files





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University



Dr. G. Venkata Rao gave a presentation on Intellectual Property Rights in India and International in 11-12-2021



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## The outcome of the Programme:

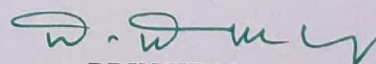
The outcomes of a program centered on innovation and creativity, economic development, technological transfer, traditional knowledge protection, and trade relations allowed participants to make informed decisions. Here are the potential results and benefits:

Participants learned how IPR laws promote innovation and creativity by protecting the rights of innovators, inventors, and artists. They explored how to promote entrepreneurship and R&D activities, which help to create jobs and contribute to GDP growth, among other things.

Participants looked into international intellectual property agreements and legal harmonization (such as TRIPS - Trade-Related Aspects of Intellectual Property Rights) to establish harmonized standards and improve trade interactions between nations, hence boosting global cooperation and innovation. They found that uniform and robust IPR rules safeguard the rights of artists, innovators, and inventors on a worldwide scale, driving investment in R&D.

Overall, IPR outcomes in India and around the world are influenced by the effectiveness, balance, and implementation of these laws and policies, which must encourage innovation, protect rights, and promote socioeconomic development while maintaining a fair and equitable system for all stakeholders.

No of Participants: 30

  
PRINCIPAL

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





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## LIST OF PARTICIPANTS

Name of Program: One-day Seminar on "Intellectual Property Rights in India and International"

Duration: 11/12/2021

S.No	Reg. No	Name of the Student	Year/Branch	Signature
1	317136408001	AFROZ PARVEEN MUSKAAN	IV CIVIL	A.P. Muskaan
2	317136408002	BUDUMURU DIVYAVANI	IV CIVIL	B. Divyavani
3	317136408003	CHINTADA MADHURI	IV CIVIL	Ch. Madhuri
4	317136408004	DOPPA SRI VENKATA YAMINI	IV CIVIL	D.S.V. Yamini
5	317136408005	GALLA HARITHA	IV CIVIL	G. Haritha
6	317136408006	GANAPATIRAJU DIVYA	IV CIVIL	G. Divya
7	317136408007	GOLAGANI BHAGYALAKSHMI	IV CIVIL	G. Bhagyalakshmi
8	317136408008	NOT REPORTED	IV CIVIL	ABSENT
9	317136408009	JALUMURI PADMA SHRI	IV CIVIL	J. Padma Shri
10	317136408010	MUNIKOTI ROOPA	IV CIVIL	M. Roopa
11	317136408011	MYLAPILLI SUDHA	IV CIVIL	M. Sudha
12	317136408012	PANGA KALYANI	IV CIVIL	P. Kalyani
13	317136408013	PATNANA INDIRA SAI	IV CIVIL	P. Indira Sai
14	317136408014	PODUGU PRANATHI	IV CIVIL	P. Pranathi
15	317136408015	POLA SRAVYA	IV CIVIL	P. Sravya
16	317136408016	RUKSANA	IV CIVIL	Ruksana
17	317136408017	SADDA ALEKHYA	IV CIVIL	S. Alekhyas
18	317136408018	SUVVADA BHAVANA	IV CIVIL	S. Bhavana
19	317136408019	TALAPUREDDI LALITHA	IV CIVIL	T. Lalitha
20	317136408020	TELU GIRI VARDHINI	IV CIVIL	T.G. Vardhini
21	317136408021	VADDI SATYA SAI GIRI VARSHINI	IV CIVIL	V.S.S. G. Vardhini
22	317136408022	YERRAMSETTI ASHA PRIYA	IV CIVIL	Y. Asha Priya
23	317136408023	ADDALA VARSHINI	IV CIVIL	A. Varshini
24	317136408024	ARUGULA SHOBA RANI	IV CIVIL	A. Shoba Rani
25	317136408025	CHEEKATI JAYALAKSHMI	IV CIVIL	C. Jayalakshmi
26	317136408026	DIVYAVANI PENTAPALLI	IV CIVIL	P. Divyavani
27	317136408027	GOMPA INDRAVATHI RAMA	IV CIVIL	G.I. Rama
28	317136408028	GOMPA NAGA VENKATA TRIVENI	IV CIVIL	G. Triveni
29	317136408029	GONDELU SRAVANI	IV CIVIL	G. Sravani
30	317136408030	GURIVELLI SWARNA KUMARI	IV CIVIL	G. Swarna Kumari

H. Anandhwar Reddy  
PROGRAM COORDINATOR

PRINCIPAL

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



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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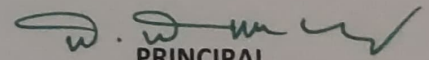
DATE: 26-01-2022

It is hereby informed that, Department of Computer Science & Engineering of Dr. Lankapalli Bullayya College of Engineering is conducting a "One Day Workshop on The Art of Tech Innovation and Research Trends" on 04-02-2022 from 10:00am to 5:00 pm at Block -7 CF9. In this regard, all the students of IV\IV B.Tech CSE students are requested to attend the workshop without fail.

Venue: Classroom CF9

Time : 10:00AM

Program Coordinator: Mr. B. SANTOS KUMAR  
Assistant Professor  
Department of Computer Science and Engineering


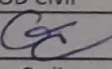
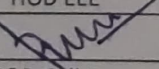
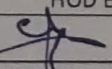
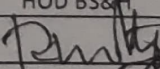
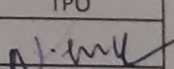
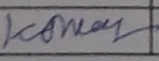
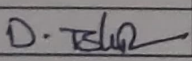

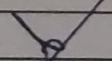

  
PRINCIPAL

Principal

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

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IQAC Co-Ordinator

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## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The department of computer science and engineering was started in the year 2010 with the aim of equipping the students sufficiently with the required theoretical foundation and practical skills needed to make them active participants in the highly rewarding field of Computer Science and Information Technology. State-of-the-art infrastructure combined with a team of highly qualified and committed teachers who strive unceasingly to enable students achieve their goals characterize the academic environment. In accordance with the vision of the institution which aims to use education as a tool to create value added citizens, the department provides adequate opportunities for students to acquire knowledge from various sources such as Massively Online Open Courseware, NDL lectures from IITs in addition to the regular classroom teaching

## A One Day Workshop on The Art of Tech Innovation and Research Trends

04-02-2022

Organized by  
DEPARTMENT OF COMPUTER  
SCIENCE AND ENGINEERING



**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)**

## 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

**Dr. D. Madhavi,**  
**Head of the Department,**  
**Department of Computer Science and**  
**Engineering**  
**Program Coordinator**

**Ms. B. Santos Kumar**  
**Assistant professor**  
**Department of Computer Science**  
**and Engineering**



## Organizing Committee

Ms. B. Santos Kumar  
Assistant Professor, Coordinator  
Mr. G. Vamsi Krishna  
Assistant professor  
Mr. Venkata Swamy  
Assistant professor

## Resource Person:

P.Deekshita  
Assistant Professor  
Dept of AI & DS  
Vignan's Institute of Information  
Technology.

## Contact Details

Ms. B. Santos Kumar  
Assistant professor  
Department of Computer  
Science

MOBILE NUMBER -9010888807

## Venue:

Class Room CF-9

## Objective of the program

- Skill Enhancement: Enhance critical thinking, problem-solving, and design skills essential for innovative technology solutions.
- Networking and Exchange: Facilitate networking and knowledge exchange among students, researchers, and industry professionals.
- Ethical Awareness: Raise awareness of ethical considerations in the innovation and implementation of technology solutions.

## Topics to be Covered:

- Ethical Awareness: Develop a strong sense of ethical responsibility in research, development, and implementation of advanced technologies.
- Inspiration to Innovate: Feel inspired to innovate and contribute to the ongoing advancements in technology and engineering.
- Confidence and Readiness: Build confidence and readiness to engage in research and projects that contribute to technological progress and societal betterment.





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

DATE: 06-02-2022

## PROGRAM REPORT

Programme Name	The Art of Tech Innovation and Research Trends
Resource Person	P.Deekshita Assistant Professor Dept of AI & DS Vignan's Institute of Information Technology
Date of Activity	04-02-2022
Organised By	Department of Computer Science Engineering, Dr Lankapalli Bullayya College of Engineering(W)
Venue	Block-7 CF9

### About the Institute:

Dr. Lankapalli Bullayya College of Engineering encourages and promotes education and keeps its focus on empowerment and personality development with which they can face the challenges of the modern world. The broad objective of the institution is to provide the right opportunities for students for learning higher skills in new technologies and building their extraordinary careers in industry and research organizations. Acclaimed by the student community as an outstanding woman engineering college in the smart city Visakhapatnam, Andhra Pradesh, Dr. Lankapalli Bullayya College of Engineering (for women), was established by The Society for Collegiate Education in 2010 with the objective to produce technologists and scientists who would engage in research, design, and development to help to build the nation. Our Campus is ideally located in the heart of the city on a 10-acre land. The curriculum places emphasis on basic topics in engineering sciences, design and experimental methods. The

College's faculty and staff strive hard with their limitless potential and technical expertise to create ingenious Engineers.

#### **Theme of the Program:**

The theme, "The Art of Tech Innovation and Research Trends" embodies a creative and exploratory approach to technology and research. Innovation is not just a science; it is an art that demands creativity, imagination, and the ability to connect dots in unconventional ways. This workshop aims to unravel the intricate artistry behind technological innovation, offering a canvas to blend research trends and imaginative thinking. Attendees will be encouraged to explore the depths of technology, identify emerging research trends, and envision innovative solutions. By fostering a creative atmosphere, the event seeks to inspire engineering students to become artists of innovation, crafting a future where technology meets artistry to drive progress and transformative change.

#### **Program Objectives:**

- **Imagination and Creativity:** Encourage participants to unleash their creative potential in the realm of technology and innovation.
- **Research Integration:** Integrate the latest research trends with creative thinking to envision innovative solutions.
- **Interdisciplinary Collaboration:** Promote collaboration between different engineering domains to foster holistic and imaginative solutions.
- **Skill Enhancement:** Enhance critical thinking, problem-solving, and design skills essential for innovative technology solutions.
- **Networking and Exchange:** Facilitate networking and knowledge exchange among students, researchers, and industry professionals.
- **Ethical Awareness:** Raise awareness of ethical considerations in the innovation and implementation of technology solutions.
- **Confidence Building:** Build confidence in participants to embrace their innovative ideas and pursue their visions fearlessly.
- **Empowerment through Innovation:** Empower engineering students to see themselves as innovators and creators in the technological landscape.

#### **Program Content:**

- **Artificial Intelligence (AI) and Creative Applications:** Exploring AI's creative potential and applications in art, music, and design.
- **Internet of Things (IoT) and Smart Living:** Integrating IoT for creative solutions in smart homes, cities, and environments.
- **Sustainable Technologies and Eco-Innovation:** Applying sustainable technology in creative and eco-friendly solutions.



## Introduction to 'Key's

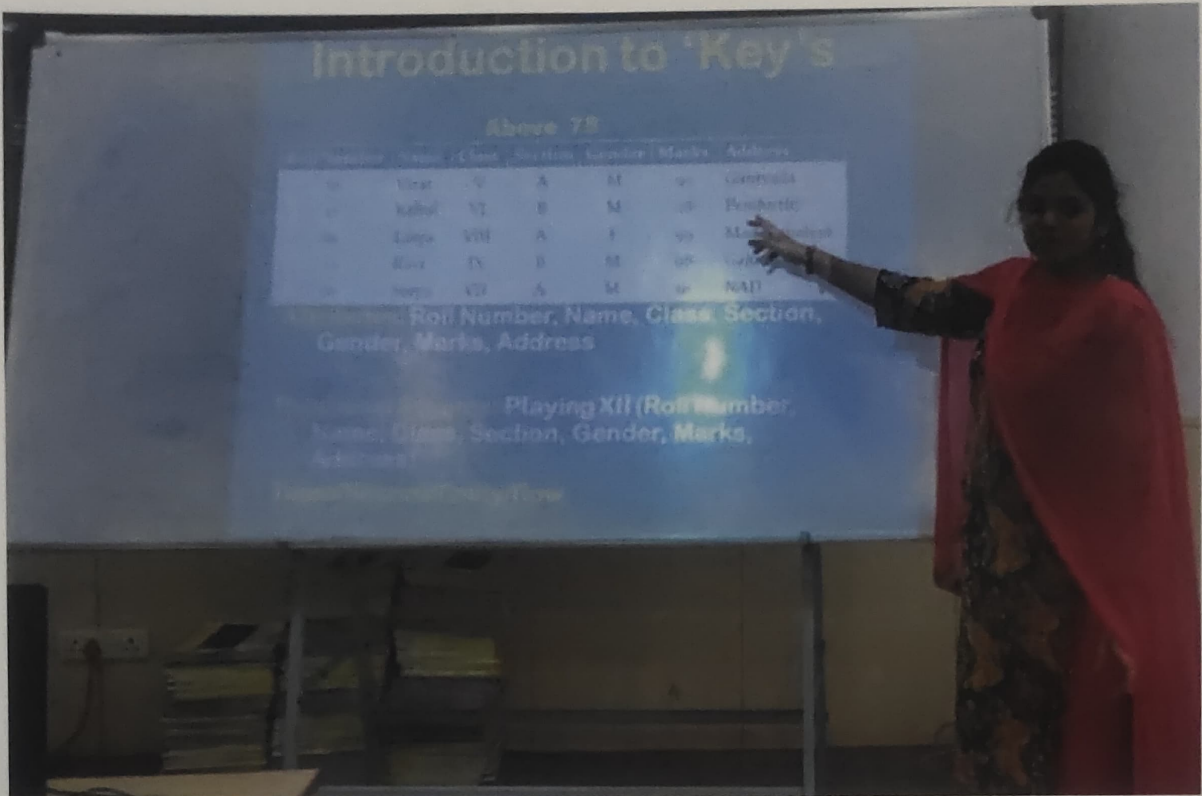
Above 75

Roll Number	Name	Class	Section	Gender	Marks	Address
01	Virat	V	A	M	90	Gurgaon
02	Kabul	VI	B	M	85	Punjab
03	Laura	VIII	A	F	95	Mumbai
04	Ravi	IX	B	M	88	Delhi
05	Neeraj	XI	A	M	92	NAD

Key's: Roll Number, Name, Class, Section, Gender, Marks, Address

Playing XII (Roll Number, Name, Class, Section, Gender, Marks, Address)

Playing XII (Roll Number, Name, Class, Section, Gender, Marks, Address)



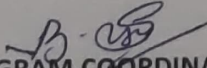
- HealthTech Innovations and Human-Centric Design: Applying technology to enhance healthcare and designing for improved patient experiences.
- Robotics and Artistic Expression: Exploring how robotics can be used for artistic expressions and creative projects.
- Augmented Reality (AR) and Virtual Reality (VR) in Creative Fields: Applications and innovations in arts, education, and storytelling.
- Biotechnology and Art: Blending biotechnology with art and design to create bio-art and innovative installations.
- Innovative Design Thinking: Enhancing creativity through design thinking methodologies.

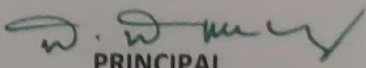
#### **Program Outcomes:**

Upon successful completion of the workshop, participants will be able to:

- In-depth Knowledge: Attain comprehensive knowledge of the latest research trends and technological advancements.
- Research Potential: Identify potential research areas and opportunities for exploration within emerging technologies.
- Professional Networking: Establish meaningful connections with peers, researchers, and industry experts for future collaborations and growth.
- Skill Enhancement: Improve critical thinking, problem-solving, and communication skills necessary for successful research and careers.
- Career Path Clarity: Gain insights into potential career paths and areas of specialization within emerging technology domains.
- Ethical Awareness: Develop a strong sense of ethical responsibility in research, development, and implementation of advanced technologies.
- Inspiration to Innovate: Feel inspired to innovate and contribute to the ongoing advancements in technology and engineering.
- Confidence and Readiness: Build confidence and readiness to engage in research and projects that contribute to technological progress and societal betterment.

**No. of Participants: 30**

  
**PROGRAM COORDINATOR**

  
**PRINCIPAL**  
**Principal**  
**Dr. Lankapalli Bullayya College of Engineering**  
**D.No.52-14-75, Resapuvanipalem**  
**Viseakhapatnam-530013, Andhra Pradesh**





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## LIST OF THE PARTICIPANTS

Name of the Program: The Art of Tech Innovation and Research Trends

Date: 04-02-2022

S No	Regd No	Name of the Student	Year/Branch	Signature
1	318136410001	ADDAKATLA SRAVANTHI	IV CSE-A	Agar
2	318136410002	ALAMANDA GOWTHAMI	IV CSE-A	Alamanda
3	318136410003	ANIMIREDDY PAVANI	IV CSE-A	A. Paw
4	318136410004	ANISETTY HIRANMAYI	IV CSE-A	A. Hiran
5	318136410016	BIRUSU LEELAVATHI	IV CSE-A	Leela
6	318136410017	BODDU TEJA PRIYA	IV CSE-A	Priya
7	318136410018	BONDALA BHARGAVI	IV CSE-A	Bhargavi
8	318136410029	ELAMANCHILI VANIPRIYA	IV CSE-A	G. Van
9	318136410030	FARHANA	IV CSE-A	F. R. S.
10	318136410031	GAMPALA SOWMYA	IV CSE-A	Sowmya
11	318136410033	GANTA SHAMALA	IV CSE-A	Shamala
12	318136410029	ELAMANCHILI VANIPRIYA	IV CSE-A	Vanipriya
13	318136410061	KORUKONDA SATYA LIKHITHA	IV CSE-A	Likhitha
14	318136410062	KORUPALLI VASUPRIYA	IV CSE-A	Vasupriya
15	318136410063	KOTANA PADMA PRIYANKA	IV CSE-A	Priyanka
16	318136410064	KUPPILI PRAVALLIKA	IV CSE-A	P. R.
17	318136410065	KURUVANGHAT KAVYA	IV CSE-A	K. V.
18	318136410066	KUSHALINI SHAHITHI NAMMI	IV CSE-A	N. S.
19	318136410069	MADHURIMA CHOWDHURY	IV CSE-A	M. C.
20	318136410073	MOLLETI GITA JAYASRI ANJANA	IV CSE-B	A. J.
21	318136410074	MORTA SADHANA	IV CSE-B	S. A.
22	318136410075	MOTHIKA BHAVYA SREE	IV CSE-B	B. S.
23	318136410076	MOUNIKA DUSI	IV CSE-B	D. S.
24	318136410077	MUDAPAKA KEERTHI	IV CSE-B	K. R.

25	318136410081	PADMAJA RAJAGOPALAN	IV CSE-B	<i>P. Raj</i>
26	318136410082	PALO SUCHITRA BHAVANI	IV CSE-B	<i>P. Such</i>
27	318136410086	PEDDINTI KALPANA	IV CSE-B	<i>P. Kal</i>
28	318136410094	RAJETI BUJJI	IV CSE-B	<i>R. Bujji</i>
29	318136410083	PASUMARTHI SIRISHA	IV CSE-B	<i>P. Sirisha</i>
30	318136410111	VASAPALLI DIVYA	IV CSE-B	<i>V. Divya</i>

*B. B.*  
PROGRAM COORDINATOR

*W. W. W. W.*  
PRINCIPAL





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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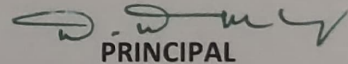
DATE: 04-02-2022

We are delighted to announce a seminar titled "Types of Research Design" which is scheduled to take place on 12/02/2022. In this regard, all the students of IV\IV B. Tech Civil students are requested to attend the seminar without fail.

Venue: CIVIL- Class Room, Block 8

Time: 10:00 AM

Program Coordinator: Mrs. M. Himangeswari  
Assistant Professor,  
Department of Civil Engineering.




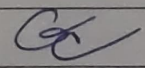
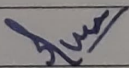
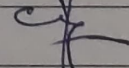
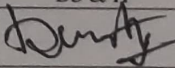
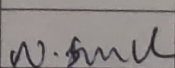
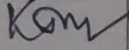
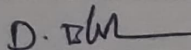

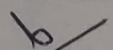

PRINCIPAL

Principal

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D.No.52-14-75, Resapuvanipalem  
Visakhapatnam-530013. Andhra Pradesh

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LIBRARY	SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	OFFICE	
					

## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering formerly known as Dr. Lankapalli Bullayya College of Engineering 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 was 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 with 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.

## One Day Seminar on Types of Research Design

**12-02-2022**

**Organized by**

**DEPARTMENT OF CIVIL ENGINEERING**



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)

## ORGANIZING COMMITTEE

### CHIEF PATRON

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

### PATRON

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

### CONVENOR

Dr. G.T Naidu Ph.D.,  
Head of the Department  
Department of Civil Engineering,  
Visakhapatnam.

### PROGRAMME COORDINATOR

Mrs. M. Himangeswari  
Assistant professor  
Department of Civil Engineering  
Visakhapatnam.



## ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the year 2010, with an annual intake of 60 students for the B. Tech program. It has a mix of both experienced and young faculty. The majority of the faculty members actively involve themselves in improving their education qualifications and research work. Faculty and students are encouraged to attend and participate in various seminars, workshops, and training programs conducted by various reputed organizations to enhance their knowledge. The management also supports the faculty members with financial assistance to attend workshops, seminars, and conferences.

The Civil Department is well-equipped with spacious laboratories and experienced technicians. The Department of Civil Engineering also offers various consultancy works.

## ORGANIZING COMMITTEE

Mr.T.V. Murali (Asst. Professor)  
Mrs. Arunima M (Asst. Professor)  
Mrs. B. Raja Rajeswari (Asst. Professor)  
Mr.G.Giridhar (Asst. Professor)  
Mrs.Ch Shilpa (Asst. Professor)  
Ms. M. Amareswari Reddy (Asst. Prof)  
Mrs.P.Sridevi (Asst. Professor)  
Ms. A. Harshita (Asst. Professor)

## RESOURCE PERSON

**Dr. K. V. Ramana Rao**

Associate Professor  
Department of Electronics and  
Communication Engineering  
Sanketika Vidya Parishad Engineering  
College  
Visakhapatnam

## CONTACT DETAILS

**Mrs. M. Himangeswari**

Assistant Professor  
Department of Civil Engineering  
Ph: 8985405123  
Email id: [mhimangeswari@lbce.edu.in](mailto:mhimangeswari@lbce.edu.in)

## VENUE

**CIVIL-Class Room**

**Block-8**

## OBJECTIVE OF THE PROGRAM

The objectives of Methodology for Design Research are aimed at equipping individuals with the skills and knowledge necessary to conduct effective and impactful research within the realm of design. It equips participants with a solid foundation in research methodologies, ethical considerations, practical skills, and tools necessary to conduct robust and ethically sound design research, fostering innovation and problem-solving in design-related disciplines. Facilitate networking and collaboration among researchers thus maximizing the benefits of these tools while mitigating challenges in their research work flows.

## TOPICS To Be COVERED

- Introduction to Design and Design Research
- Introduction to Design Research Methodology
- Starting Design Research
- Types of Structures and Research Documents.



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

DATE: 14-02-2022

## PROGRAM REPORT

<b>Programme Name</b>	One-day Seminar on "Types of Research Design"
<b>Resource Person</b>	Dr. K. V. Ramana Rao Associate Professor Department of Electronics and Communication Engineering Sanketika Vidya Parishad Engineering College Visakhapatnam
<b>Date Of Activity</b>	12/02/2022
<b>Organized By</b>	Department of Civil Engineering, Dr. Lankapalli Bullayya College of Engineering Visakhapatnam
<b>Venue</b>	CIVIL-Class Room

### Objective of the program:

The objectives of Methodology for Research Design are aimed at equipping individuals with the skills and knowledge necessary to conduct effective and impactful research within the realm of design. It equips participants with a solid foundation in research methodologies, ethical considerations, practical skills, and tools necessary to conduct robust and ethically sound design research, fostering innovation and problem-solving in design-related disciplines. Facilitate networking and collaboration among researchers thus maximizing the benefits of these tools while mitigating challenges in their research workflows.

### Topics Covered:

- Introduction to Design and Design Research
- Introduction to Design Research Methodology
- Starting Design Research
- Types of Structures and Research Documents.



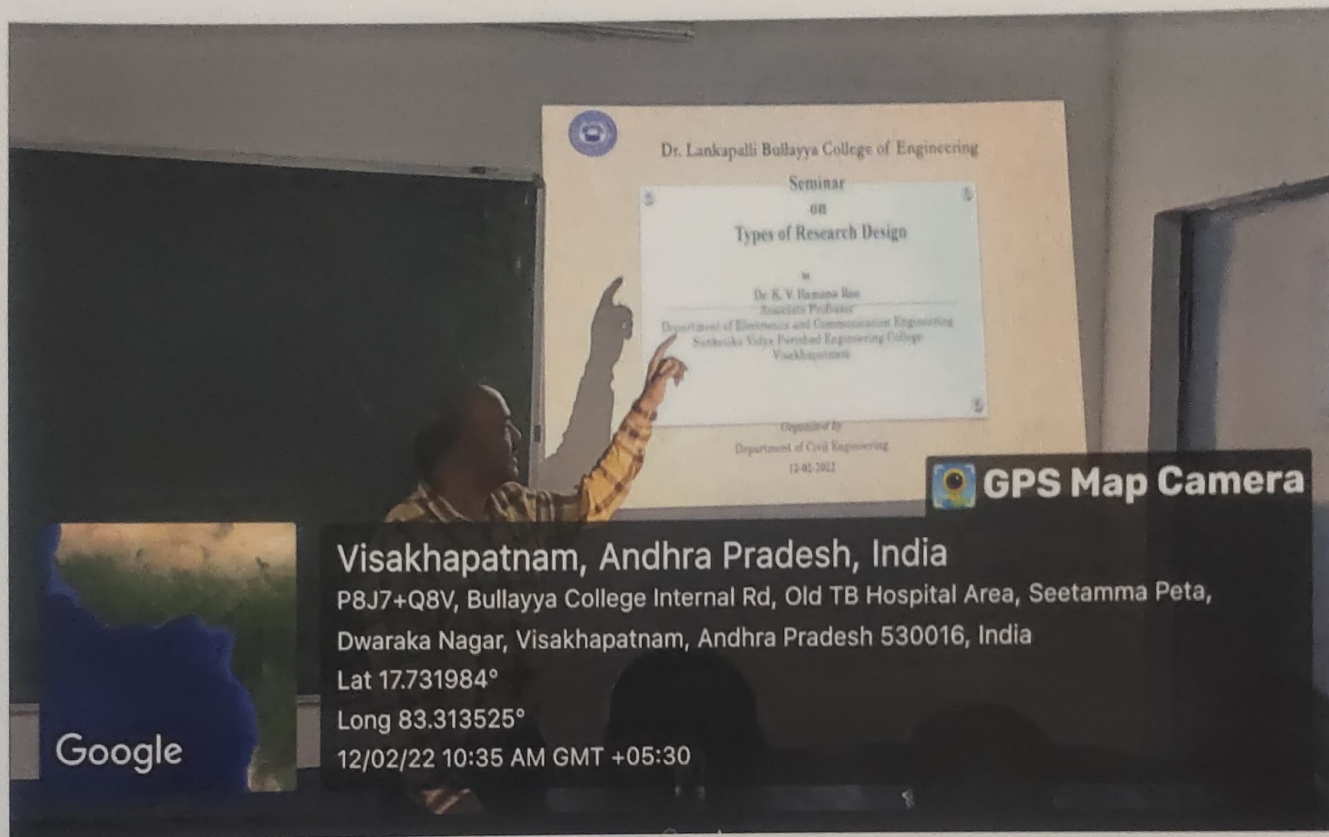


# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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Dr. K. V. Ramana Rao gave a presentation on Types of Research Design on 12-02-2022



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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## The outcome of the Programme:

The outcomes of a program focused on Research Design such as research methodology and Research documents enable decision-making in the design process. Here are the potential outcomes and associated benefits.

Design Research Benefits: Insights from research helped to design and make evidence-based choices that meet user requirements, preferences, and contextual restrictions. Participants learned to create revolutionary solutions to complicated issues via fresh ideas and techniques. They Identified user behaviors, preferences, and requirements to improve design and satisfy needs. The iterative design process guided the participants to enhance designs through feedback and research results.

Thus, overall the outcomes underscore the importance of research design in informing design decisions, improving user experiences, and fostering innovation, while also highlighting the significance of well-documented research methodologies in ensuring rigorous, ethical, and transparent research practices within the field of design.

No. of Participants: 39

Principal

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





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

## LIST OF PARTICIPANTS

Name of Program: One-day Seminar on "Types of Research Design"

Duration: 12/02/2022

S.No	Reg. No	Name of the Student	Year/Branch	Signature
1	318136408001	A RABIYATUL BASEERA	IV CIVIL	A. Baseera
2	318136408002	ADAPA URMILA	IV CIVIL	A. Urmila
3	318136408003	ASTANADITTA SUMA	IV CIVIL	A. Suma
4	318136408004	CHANDANALA NAGA SURYA HARSHINI	IV CIVIL	Harshini
5	318136408005	GUNTU PAVITHRA	IV CIVIL	G. Pavithra
6	318136408006	KANDREGULA MANJU SREE	IV CIVIL	K. Manjuresee
7	318136408007	KARRI KEERTHI SOWJANYA	IV CIVIL	K. Sowjanya
8	318136408008	KASIREDDI SAI DEEPTHI	IV CIVIL	K. Sai Deepthi
9	318136408009	M V SATYA SURYA ADITYA SAHITHI	IV CIVIL	M.V.S. Sahithi
10	318136408010	MEEGADA ROSHINI	IV CIVIL	M. Roshini
11	318136408011	MUVVALA SAI LAKSHMI PARIMALA	IV CIVIL	M. Lakshmi
12	318136408012	PAMMI NIHARIKA	IV CIVIL	P. Niharika
13	318136408013	PANGI PRAVALLIKA	IV CIVIL	P. Pravallika
14	318136408014	POLAVARAPU SRI SAI DEEPTHI	IV CIVIL	P. Sai Deepthi
15	318136408015	PUDI YOGITHA PRABHALAYA	IV CIVIL	P. Yogitha
16	318136408016	SAMPATH RASAGJNA N	IV CIVIL	Sampath rasagjha
17	318136408017	SILARAPU PRATHYUSHA	IV CIVIL	S. prathyusha
18	318136408019	THOTAPALLI SATYA SRAVANI	IV CIVIL	T. Satya Sravani
19	318136408020	VANGALA SRUTHI	IV CIVIL	V. sruthi
20	318136408021	ALETI ANOOSHA	IV CIVIL	A. Anosha
21	318136408024	CHELLUBOINA NIHARIKA	IV CIVIL	Ch. Niharika
22	318136408025	CHEVITI NIKITHA	IV CIVIL	Ch. Nikitha
23	318136408026	CHITTURU VENKATA NIVEDITA	IV CIVIL	C. Univedita
24	318136408029	KAMIREDDI V TEERTHA PRASUNA	IV CIVIL	K.V. Prasuna
25	318136408030	KOSETTI HEMA BHAVANI	IV CIVIL	K. Bhavani
26	318136408031	KUNCHEY PRASANNALAKSHMI	IV CIVIL	K. Prasanna Lakshmi
27	318136408032	LALAM PRIYANKA	IV CIVIL	L. priyanka
28	318136408033	MANDE YERNI MALINI	IV CIVIL	M. Y. Malini
29	318136408034	MARPU HARICHANDANA	IV CIVIL	M. Harichandana
30	318136408035	MITTHANA MAHALAXMI	IV CIVIL	M. Mahalaxmi
31	318136408036	MUDDADA ARUNA	IV CIVIL	M. Aruna
32	318136408037	MUSHIDIPALLI REVATHI	IV CIVIL	M. Revathi
33	318136408038	NETHINTI GAYATHRI	IV CIVIL	N. Gayatri
34	318136408039	PERLA POORNA	IV CIVIL	P. Poorna




# Dr. Lankapalli Bullayya College of Engineering

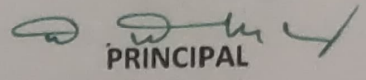
New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

S.No	Reg. No	Name of the Student	Year/Branch	Signature
35	318136408041	RONGALI SHARMILA	IV CIVIL	R. Sharmila
36	318136408042	SANAPATI BHAGYALAKSHMI	IV CIVIL	B. Bhagyalakshmi
37	318136408043	SHAIK HASEENA BEGAM	IV CIVIL	SK. Haseena begam
38	318136408044	UPPADA PRIYANKA	IV CIVIL	UPPADA Priyanka
39	318136408045	UPPUGANTI RENUKA	IV CIVIL	U. Renuka

  
PROGRAM COORDINATOR

  
PRINCIPAL

Principal

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





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

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## CIRCULAR

DATE:07-03-2022

We are delighted to announce a one day seminar on 'Need for Ethical Research' is scheduled to take place on 12/03/2022. All the students of IV/IV B.Tech EEE are requested to attend the informative session. For further details kindly contact our event coordinator.

Venue: Class Room CS-5

Program Coordinator: Mr. B. Satish Naidu  
Assistant professor,  
Department of Electrical and Electronics Engineering.

PRINCIPAL  
Principal

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

### Copy to

Hon'ble Secretary and Correspondent  
Copy to all HODs, SDC Coordinator  
IQAC Coordinator

HOD CSE	HOD Civil	HOD EEE	HOD ECE	HOD BS & H	TPO
LIBRARY	SDC Co-Ordinator	R&D Cell Co-Ordinator	IQAC Co-Ordinator	OFFICE	

## ABOUT THE COLLEGE

Dr. Lankapalli Bullayya College of Engineering was started in 2010 as a part of the group of educational institutions run by the Society for Collegiate Education, in Visakhapatnam. The Institute mainly aim to create proficient engineers, who will add newer dimensions. The institute has well maintained play grounds, trees and handy plantations leading to healthy and pleasant environment. 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 was 60 seats.

## ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 2010 with an annual intake of 60 students for the B. Tech Program.. The experienced faculty guide the Department aiming at educating and training students with sound knowledge and awareness in the fields of electrical and electronics engineering. All the faculty members actively involve themselves in improving their education qualifications and research work. The management provide training to faculty and students on recent technologies. Various workshops and training programs are frequently conducted in the Department.

## A one-day seminar on 'Need for Ethical Research'

12-03-2022

Organized by  
DEPARTMENT OF ELECTRICAL AND  
ELECTRONICS ENGINEERING



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)

## 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

Dr. G. Anand,  
Head of the Department,  
Department of Electrical and Electronics  
Engineering  
Program Coordinator

Mr.B. Satish naidu  
Assistant professor  
Department of Electrical and Electronics  
Engineering



## Organizing Committee

Mr. B.Satish Naidu  
Assistant Professor, Coordinator  
Mr. Ch.Arun Kumar,  
Assistant professor  
Mrs. M.Srinivas,  
Assistant professor

## Resource Person:

Mrs. J.Sandhya  
Asst Prof., CSE Department,  
Sanketika Vidya Parishad College of  
Engineering,  
Madhurawada ,Viskahapatnam.  
email:gsandyaiaas@gmail.com  
Ph.No.9491726784.

## Contact Details

Mr. B.Satish Naidu  
Assistant Professor,  
Department of Electrical and  
Electronics Engineering  
Mobile no: 9985368805

## Venue:

Class Room  
CS-2

## Objective of the program

ETHICS ARE THE SET OF RULES THAT GOVERN OUR EXPECTATIONS OF OUR OWN AND OTHERS BEHAVIOR. RESEARCH ETHICS ARE THE SET OF ETHICAL GUIDELINES THAT GUIDES US ON HOW SCIENTIFIC RESEARCH SHOULD BE CONDUCTED AND DISSEMINATED. RESEARCH ETHICS GOVERN THE STANDARDS OF CONDUCT FOR SCIENTIFIC RESEARCHERS IT IS THE GUIDELINE FOR RESPONSIBILITY IN CONDUCTING THE RESEARCH. RESEARCH THAT IMPLICATES HUMAN SUBJECTS OR CONTRIBUTORS WITH ADMINISTRATIVE CONCERNS.

## Topics to be Covered:

- Define research ethics.
- Differentiate between the three ethical principles
- How to apply these principles



# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education

Approved by AICTE, Affiliated to Andhra University

DATE: 16-03-2022

## PROGRAM REPORT

Program Name	One day seminar on 'Need for Ethical Research'
Resource Person	<b>Mrs. J.Sandhya, Asst. Prof.</b> Dept of Computer Science and Engineering Sanketika Vidya Parishad College of Engineering, Madhurawada.
Date Of Activity	12-03-2022
Organized By	Department of Electrical and Electronics Engineering, Dr Lankapalli Bullayya College of Engineering
Venue	Class room CS-5

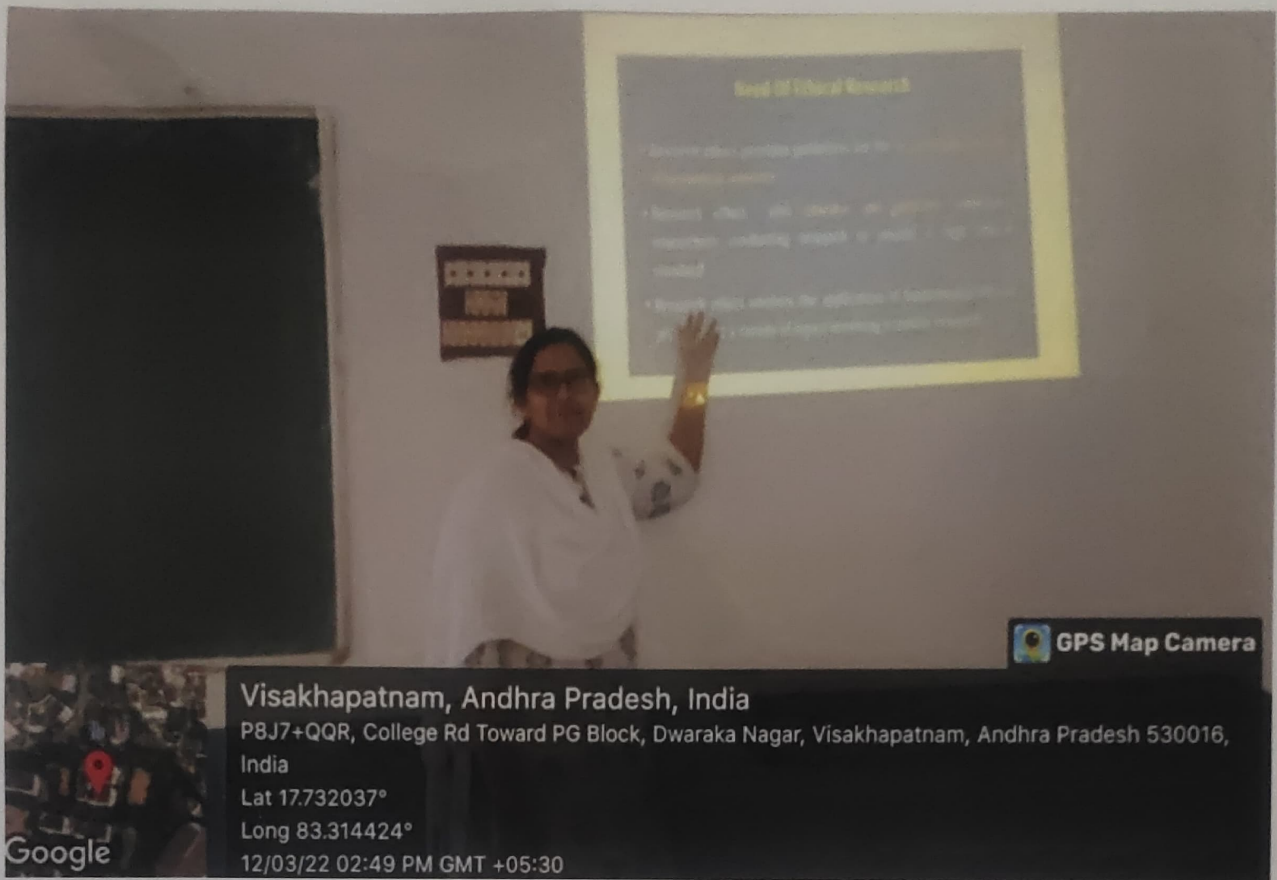
### Objective of the Program:

- The program aims to create awareness among Ethical considerations in research area that guides to carry research in a proper direction.
- Most people learn ethical norms at home, at school, in church, or in other social settings. Although most people acquire their sense of right and wrong during childhood, moral development occurs throughout life and human beings pass through different stages of growth as they mature.

### Topics to be covered:

- To define research ethics.
- Differentiate between the three ethical principles
- How to apply these principles





Visakhapatnam, Andhra Pradesh, India

P8J7+QQR, College Rd Toward PG Block, Dwaraka Nagar, Visakhapatnam, Andhra Pradesh 530016, India

Lat 17.732037°

Long 83.314424°

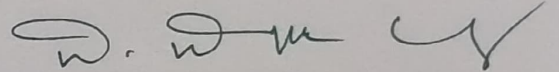
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Google

**The course outcomes:**

- The session created awareness among the participants regarding improvement in participants' knowledge towards the principles of research ethics.
- It provided an opportunity for participants to know the importance of ethics in research which is beneficial for their career as well as institution development.

No of Participants: 30



**Principal**

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





# Dr. Lankapalli Bullayya College of Engineering

New Resapuvani Palem, Visakhapatnam

Sponsored by Society of Collegiate Education  
Approved by AICTE, Affiliated to Andhra University

## STUDENTS LIST

Name of Program: A One day Seminar on 'Need for Ethical Research'

Date: 12-03-2022

S. No	Name of the student	Roll No	Department	Signature
1.	BUDDIREDDI SAI PARVEEN	318136414001	IV EEE	Sai Parveen
2.	DODLA SAI HARSHITHA	318136414002	IV EEE	D. Sai Harshitha
3.	DURGA DEEKSHITHA SAI	318136414003	IV EEE	Durga Deekshitha Sai
4.	K SEETHALA DEVI	318136414004	IV EEE	K. Seetha Devi
5.	MANTHA YASHASVI LALITHA	318136414005	IV EEE	M. Lalitha
6.	MOOGI HARITHA	318136414006	IV EEE	H. Moogi
7.	NOONELA NYPUNYA	318136414007	IV EEE	N. Nypunya
8.	PEDAGANDHAM VENKATA LALITHA VYSHNAVI	318136414008	IV EEE	P.V.L. Vyshnavi
9.	RAYEDI VENKATA SAI ACHUTA ROSHINI	318136414009	IV EEE	P. Roshini
10.	REDDI POOJITHA	318136414010	IV EEE	R. Poojitha
11.	SARIPALLI KUSUMA	318136414011	IV EEE	S. Kusuma
12.	SARVASIDDHI BHAVANI SAHITHI	318136414012	IV EEE	S. Bhavani Sahithi
13.	SEERAPU PRANATHI	318136414013	IV EEE	S. Pranathi
14.	TUMMAPALA SUVARNA AKHILA	318136414014	IV EEE	T. Akhila
15.	URIMITI PRATHYUSHA	318136414015	IV EEE	U. Prathyusha
16.	VEPACHEDU SIRISHA	318136414016	IV EEE	V. Sirisha
17.	VINNAKOTA VENNELA KIRAN	318136414017	IV EEE	V.V. Kiran
18.	VULLURI AKHILA	318136414018	IV EEE	V. Akhila
19.	DEEPA NAIK	318136414019	IV EEE	DEEPA NAIK
20.	BATHINA JYOTHI	318136414020	IV EEE	B. Jyothi
21.	BEHARA SUNITHA	318136414021	IV EEE	B. Sunitha
22.	BOBBILI JYOTHSNA	318136414022	IV EEE	B. Jyothsna
23.	BOTTA SUMALATHA	318136414023	IV EEE	B. Sumalatha
24.	CHADARAM VANDANA	318136414024	IV EEE	Ch. Vandana
25.	CHEEDI SWATHI	318136414025	IV EEE	Ch. Swathi
26.	CHINTAPALLI ANURADHESWARI	318136414026	IV EEE	Ch. Anuradheswari
27.	DAMARASING SYAMALA	318136414027	IV EEE	D. Syamala
28.	MARISA JHANSI	318136414028	IV EEE	Jhansi
29.	NAGULA GAYATHRINAGAMANI	318136414029	IV EEE	N. Gayathri
30.	NAMBARU VASANTHA	318136414030	IV EEE	N. Vasantha

PROGRAM COORDINATOR

PRINCIPAL

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