



## B.L.D.E. UNIVERSITY

[Declared as Deemed-to-be-University u/s 3 of UGC Act, 1956 vide Government of India Notification No. F.9-37/2007-U.3(A)]

The Constituent College

SHRI. B. M. PATIL MEDICAL COLLEGE, HOSPITAL AND RESEARCH CENTRE

### Value Added Course: RESEARCH & ANALYSIS MADE EASY

Name of the Department: Community Medicine

Sr.No	Details	
1	Name of the Value Added Course	RESEARCH & ANALYSIS MADE EASY
2	Objective/Need	1. To understand research methodology tools, concepts and theories to solve and understand scientific problems 2. Be able to know what Bio-statistics is & how it is used in research. 3. Be able to understand the common statistical techniques & terminology used in studies 4. Be able to use understand the principles numeric & graphical techniques to display (present) & summarize the data. 5. Be able to know how to calculate sample size & how to draw samples from the population. 6. Be familiar with the concept of statistical inference.
3	Course content	File attached
4	Duration	18 hrs
5	Conducted	with dates conducted
6	Frequency	Once a year
7	Teaching Methods	Interactive Lectures, Small group discussion, assignment, Proposal writing, statistical problem Practical. Hands-on training using computer & Self Directed Learning (SDL).
8	Assessment method	Group Presentation, Pre & Post feedback, Written exam
9	Certification Done	Yes
10	Feedback collected	Yes

**Dr. Vijaya. Sorganvi**  
course Coordinator

**Dr. Shailaja Patil.**

Signature of **Prof. HOD**  
**Dept. of Community Medicine**  
**BLDE (Deemed to be University)**  
**Shri B. M. Patil Medical College,**  
**VIJAYAPURA-03.**

Smt. Bangaramma Sajjan Campus, Sholapur Road, Vijayapur – 586103, Karnataka, India.

University: Phone: +918352-262770, Fax: +918352-263303, Website: www.bldeuniversity.ac.in E-mail: office@bldeuniversity.ac.in  
College: Phone: +918352-262770, Fax: +918352-263019, Website: www.bldeuniversity.ac.in, E-mail: bmpmc.principal@bldeuniversity.ac.in

**REGISTRAR**

**BLDE (Deemed to be University)**  
**Vijayapura-586103, Karnataka**



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### DETAILS OF THE COURSE CONTENT AND SYLLABUS

SN	Topic	Hrs.
1	Research overview: Definition, meaning, scope, significance of Ethical conduct in research, Classification of Research (Basic, Applied, Descriptive and Interventional Research), need of research and policy interventions	01
2	Research components: Concepts, Theory, Literature Review (Primary and Secondary Sources, Web sources) and its importance, assumptions, Identification of the problem, assessing the problem, formulating the objectives and research questions, research design and methodology	02
3	Documentation and scientific writing: Results and Conclusions, Preparation for Publication of Research paper. Presenting a paper in seminar. Types of Report: research papers, thesis, Research Project Reports, citation styles, writing a review of paper, Bibliography	02
4	Basic application of statistics in Research: Application of statistics in Research. Data-Type of data-Qualitative & Quantitative data , Scales of measurements Sources of Data-Primary, Secondary and Tertiary & Hand-on Training	01
5	Methods of Collecting Data: Observation, field investigations, Direct/Indirect studies, sample size determination, Sampling techniques	01
	Hands-on Training	01
6	Descriptive Statistics: Summarization of data Measures of Central tendency, Dispersion , Standard error, Coefficient of Variance	01
	Hands-on Training	01
7	How to choose correct statistical test & interpret the data: Probability Distributions, Hypothesis Testing, types of errors (Type-I & Type-II)	02

Smt. Bangaramma Sajjan Campus, Sholapur Road, Vijayapur – 586103, Karnataka, India.

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REGISTRAR

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Vijayapura-586103, Karnataka

# Value Added Courses; Sample Completion Certificate.



BLDE (Deemed to be University)

**Shri B. M. Patil Medical College, Hospital & Research Centre, Vijayapura**

## Certificate

This is to certify that Dr./Miss./Mrs./Mr. : LAXMI TELLUR

has attended and completed successfully the necessary requisites of the **Value added course** titled "Research & Analysis Made Easy" conducted by BLDE (DU)'s SBMPMC. This course was conducted for 18 hrs from 30-11-19 to 12-02-20.

M. Shamesh  
Course Specific Co-ordinator

M. S. D.  
Course Co-ordinator

B. Patil  
Dean Faculty of Medicine & Principal  
PRINCIPAL

BLDE (Deemed to be University)  
Shri B. M. Patil Medical College  
Hospital & Research Centre  
VIJAYAPUR - 586103