



P.K.M. COLLEGE OF EDUCATION

MADAMPAM, KAITHAPRAM P. O., KANNUR – 670 631

(Govt. Aided Teacher Education Institution affiliated to Kannur University)

Recognized by NCTE included under UGC 2(f) & 12(B) category

Accredited by NAAC with 'A' Grade, (Second cycle -4 point scale), RUSA 2.0 beneficiary

1.2.2: Average Number of Value-added courses offered during the last five years

&

1.2.3: Percentage of Students enrolled in the Value-added courses mentioned at 1.2.2 during the last five years

VALUE ADDED COURSE ON FUNDAMENTALS OF EDUCATIONAL RESEARCH



1.2.2: Average Number of Value-added courses offered during the last five years

&

1.2.3: Percentage of Students enrolled in the Value-added courses mentioned at 1.2.2 during the last five years

Name of the Course: Value Added Course on Fundamentals of Educational Research

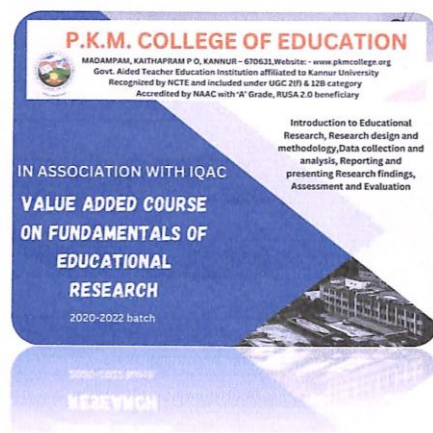
P.K.M. COLLEGE OF EDUCATION
MADAMPAM, KAITHAPRAM P O, KANNUR - 670631, Website: - www.pkmcollege.org
Govt. Aided Teacher Education Institution affiliated to Kannur University
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IN ASSOCIATION WITH IQAC
VALUE ADDED COURSE
ON FUNDAMENTALS OF
EDUCATIONAL
RESEARCH
2020-2022 batch

Introduction to Educational Research, Research design and methodology, Data collection and analysis, Reporting and presenting Research findings, Assessment and Evaluation

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Report of Value-Added Course 'Fundamentals of Education Research 2020- 2022



In an ever-evolving educational landscape, the ability to conduct rigorous and impactful research is paramount to driving positive change and innovation in teaching and learning practices. The "Fundamentals of Education Research" course, spanning from January 16, 2021, to January 15, 2022, served as a

foundational platform for five participating students to delve into the intricacies of educational research methodologies and practices.


Throughout the course duration, participants were guided through a structured curriculum aimed at equipping them with essential skills and knowledge requisite for conducting high-quality educational research. Emphasis was placed not only on understanding the theoretical underpinnings of research methodologies but also on developing practical competencies in designing research studies, analyzing literature critically, and navigating ethical considerations inherent in the research process.



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The Fundamentals of Education Research course provided students with a comprehensive understanding of research methodologies, critical thinking skills, and ethical considerations necessary for conducting impactful educational research. Through practical exercises and hands-on experience, participants gained proficiency in designing, conducting, and communicating research findings, preparing them for further academic and professional pursuits in the field of education.




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P.K.M. COLLEGE OF EDUCATION MADAMPAM
FUNDAMNTALES OF EDUCATIONAL RESEARCH
2020-2022
VALUE ADDED COURSE
COURSE CODE: FRPKM20

ABOUT THIS COURSE

AT A GLANCE:

Institution: P.K.M. College of Education, Madampam

Subject: Research in Education

Duration: 30 hours

- Direct contact hours: 10 hours
- Field work(conference/workshops/seminars): 10 hours
- Working on task: 10 hours

Fee structure: Free

Admission Procedure: This course is free for all student teachers of P.K.M. and interested students can register their names through the faculty of Research and Development cell, P.K.M. college of education.

Level: Introductory


Prerequisites: Degree in any subject

Language: English

Instructor: Dr. Prasanth Mathew, Faculty in-charge of Research and Development cell, Assistant Professor in Physical Science, P.K.M. College of Education

Evaluation: Students will be evaluated on continuous basis. Students will have to submit assignments and tasks, participate and present research papers in seminars, conferences and workshops.




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S no.	Criteria	mark
1.	Attendance	10
2.	Task	10
3.	Participation conference /workshop/seminar	10
4.	Research paper presentation	10
5.	Test	10

Course Certificate: All the participants who successfully complete the course hours will be awarded with a certificate.

Percentage Mark	Grade
Above 90%	A
Above 80%	B
Above 70%	C

Course Description:

In the context of the UN Sustainable Development Goals, 'Next Generation Teacher at PKM' aims at the whole person development of the student teachers for which seven goals to be attained. Based on SDG 4: Quality Education, to ensure inclusive and quality education for all and to promote lifelong learning, PKM set the goal of become teachers as research undertakers who makes significant contributions in the areas of educational research. This course is to develop a research orientation among the student teachers and to acquaint them with fundamentals of research methods. Specifically, the course aims at developing scientific research approach and helps student teachers to familiarize with the ethical issues in educational research.

Learning Outcomes

- Understand research methodologies - qualitative and quantitative.
- Develop critical thinking for analyzing literature and identifying research gaps.
- Learn to design research studies, choose samples, variables, and data collection methods.



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- Emphasize ethical considerations and responsible research conduct.
- Gain proficiency in data analysis using statistical tools and software.
- Improve communication skills for presenting proposals and findings

Unit 1: Introduction to Educational Research

Overview of Educational Research

Importance and Purpose of Educational Research

Types of Educational Research

Ethical Considerations in Educational Research

Unit 2: Research Design and Methodology

Formulating Research Questions

Developing Hypotheses

Experimental and Non-Experimental Research Designs

Qualitative and Quantitative Research Methods

Unit 3: Literature Review and Conceptual Framework

Conducting a Comprehensive Literature Review


Identifying Gaps in Existing Research

Establishing a Conceptual Framework for the Study

Unit 4: Data Collection and Analysis

Selection of Data Collection Methods




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Surveys, Interviews, Observations, and Experiments
Data Analysis Techniques (Quantitative and Qualitative)
Validity and Reliability in Educational Research

Unit 5: Reporting and Presenting Research Findings

Structuring Research Reports
Writing Styles and Formats
Creating Effective Visuals and Presentations
Peer Review and Publishing in Educational Journals


Assessment and Evaluation:

Research proposal
Literature review
Drafts of different sections of a research article
Final research article submission

References:

1. Research Methodology – C.R.Kothari
2. Introducing Research Methodology: A Beginner's Guide to Doing a Research Project, by Uwe Flick
3. Research Methods in Education, by Louis Cohen, Lawrence Manion, Keith Morrison
4. Research in Education, 10th Edition, Best & Kahn
5. Methodology of Educational Research, Lokesh Koul




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P.K.M. COLLEGE OF EDUCATION, MADAMPAM
FUNDAMENTALS OF EDUCATIONAL RESEARCH
STUDENT LIST -2020-2022

VALUE ADDED COURSE

On
FUNDAMENTALS OF EDUCATIONAL RESEARCH
2020-2022 Batch

Sl No	Reg No	Name of the candidate	Optional subject
1	PM20EDEN05	KRISHNA PRIYA K	ENGLISH
2	PM20EDML01	ADITHYA V	MALAYALAM
3	PM20EDML02	ANJALI R	MALAYALAM
4	PM20EDPS07	DELNA T S	PHYSICAL SCIENCE
5	PM20EDPS09	SHYONA STEPHEN	PHYSICAL SCIENCE




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PKM/2022/VACC/FE1



CERTIFICATE OF COMPLETION


Krishnapriya K

This certificate is awarded to Krishnapriya of batch 2020- 2022 for participating in the 30 hour Value added course "Fundamentals of Educational Research" from January 2021 to January 2022 organised by P.K.M College of Education, Madampam in association with IQAC.


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IQAC Coordinator
P.K.M College of Education


Course Coordinator
P.K.M College of Education