



DR SUNIKUMARI P M

Vice Principal & Assistant Professor in Physical Science

BNV College of Teacher Education, Thiruvallam,
Tvp



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About Me

Visionary educator specializing in curriculum innovation, digital learning, and teacher empowerment. Dedicated to transforming education through progressive methodologies, technological integration, and fostering dynamic, learner-centered environments.

AWARD

Dr. K Soman Memorial Award of the Teacher Educator -2024 instituted by the Council for Teacher Education Foundation (CTEF), Kerala State Centre

Professional Experience

Vice Principal

B N V College of Teacher Education, Thiruvallam ,Tvp

Since 2023

Asstt Professor in Education, (M Ed section)

B N V College of Teacher Education, Thiruvallam ,Tvp

2009 - 2015

Subjects handled :

- Fundamentals of Educational Research & Statistics
- Advanced educational research & Statistics
- Sociological Foundation of Education
- Psychological Perspectives of Education
- Science Education

Asstt Professor in Physical Science, (B Ed section)

B N V College of Teacher Education, Thiruvallam ,Tvp

Since 2005

Lecturer , M C T Traning College, Melmuri P O, Malappuram,

Subjects handled:

01. 06. 1995 - 30.11. 2002 (7 years 5 months)

Methodology & Pedagogical Analysis of Physical Science
Educational Technology
Educational Psychology

Total Teaching Experience: 27 yrs

ADMINISTRATIVE EXPERIENCE

- NAAC Steering Committee member
- Member of Internal Quality Assurance Cell, BNVCTE.
- Faculty-in-charge of Internal Complaint Cell
- Faculty-in-charge of Equal Opportunity Cell ,
- Faculty-in-charge of Technology Forum Club
- Faculty-in-charge of Physical Science Association

CONFERENCE COORDINATOR

International conference on “Teacher Education @2030: A Visionary Roadmap for Progressive Education” organized by BNVCTE in association with CTEF, Kerala on 06th and 07th Sept 2024

PROGRAMME COORDINATOR/ MEMBER OF ORGANIZING COMMITTEE

- orientation programmes, Intercollegiate recitation competitions, arts festival, yoga day celebrations etc.,
- served as the member of the organizing committee for the national conference and national webinar

Professional Qualifications

- **Ph D in Education : 2013**
Preparation and Validation of an Instructional Design in Physics for Standard IX by Integrating Bruner’s Concept Attainment Model and Gordon’s Synectics Model
Supervising Teacher:
Dr K R Sivasadan
- **UGC-NET in Education (1997)**
- **M Ed (Educational Technology & Special Education) from Regional Institute of Education, Mysore. (First class)**
- **M Sc (Physics) (First class)**
- **B Sc (Physics) (First class)**
- **B Ed (Physical Science) (First class)**

Memberships in Professional Associations

- Life member (AIRIO)
- Life Member (CTEF) No.296 Period 20yrs
- Indian Adult Education Association (IAEA)
- Kerala University Physical Science Associaton

MENTOR

Young Innovators Programme (YIP) : (Project of K-DISC, Govt of Kerala
Institutional mentor of YIP (ref id 22872/2022) and qualified the project for district level
competition
(Topic: Incubation centre: Empowering the tribal students by providing a holistic development
curriculum)

RESPONSIBILITIES OTHER THAN TEACHING IN THE INSTITUTION

- IGNOU Academic Counselor of BAG (Bachelor of Arts Course - Education) course (Code: BWMP8962A/001)
- Member of Curriculum committee of physical science education (2013 scheme) of University of Kerala
- Member of Curriculum committee of physical science education (two year curriculum 2015) of University of Kerala
- participated in the drafting of two year M Ed curriculum of University of Kerala
- Member of curriculum committee of Integrated B Ed curriculum of University of Kerala
- Preparation of source book compilation of source book of revised B Ed curriculum (2013-2014)
- Preparation of MCQ Test Battery for the Online Examination of B Ed Two year Courses of University of Kerala
- Subject Convener (Physical Science) of two year Revised B Ed Curriculum (2019 scheme) of University of Kerala
- Resource person in the curriculum revision of NVKSD College of Education, Attoor
- Teacher Education - Compilation of proposals for NEP 2020 based curriculum” by Vidhyabhasa Vikasa Kendram & National Institute of Schooling & SNTC
- Chaired Paper presentations at International seminars
- Chaired a session in the 22nd Annual Convention of CTEF Kerala & International Conference on EDUCATION 5.0
- Chaired a session in the Multi Disciplinary International Conference
- Resource person in Webinar, and web conference at national and International level
- Collaboration with other institutions (Resource Talks on various topics related to Education)
- Research consultant to Ph D Scholars of University of Kerala
- subject expert in validating instructional designs (10 designs)
- Subject expert in validating research instruments (46 tools) at M Ed level
- Question paper setter of B Ed examination of various universities
- Additional examiner of B Ed theory and Practical
- External examiner of M Ed dissertations of University of Kerala
- Master trainer of INTEL
- Acquired requisite proficiency in Neuro Linguistic Programming

FDP/Orientation/Training/workshops/seminars

Attended

- Workshops related to curriculum development (21 workshops)
- FDP on various topics (online teaching strategies, E-Teaching with LMS, online education in higher education institutions, concerns of academic researches and AI for teachers)
- Orientation programmes (4)
- Training programmes (3)
- Workshops (9),
- seminars (12) and
- paper presentations (5)
- NEP 2020 Orientation & Sensitization Programme organized by UGC-MMTTC, University of Kerala, Tvpm.

Innovation in Teaching / Lesson Planning

- Prepared and validated an Instructional Design, named as Integrated Instructional Model (IIM), by integrating Bruner's Concept Attainment Model and Gordon's Synectics model (2013) in my research work.
- Developed an e-content on topic "Inertia" in the National workshop on "E-Content Development For Teacher Educators"
- prepared a Model on Synectics (Topic: Volts, Amps & Ohms) in the Workshop on Models of Teaching
- Supervised the development of instructional designs based on NLP, productive pedagogy, blended learning, integrated thematic instruction at M Ed level (2009 to 2015)
- Supervised the preparation of many innovative lesson plans at B Ed level (since 2014)

Publications

- Published a paper on "Analogies: Brainstorming tools in Science Instruction" in GCTE Journal of Research and Extension in Education, Vol 6(2) July 2011. (ISSN 0975-5144)
- Effectiveness of web based instruction for teaching Physics at secondary school level in Sree Narayana Training College Journal of Gurujyothi and Research and Reflections, Vol9(2)July 2015 (ISSN 0976-0865)

Chapters in Edited Books

- Research paper on Effect of Integrated Instructional Model in Learning Physics at Secondary School Level in the published work of U G C sponsored National Seminar on the topic "Fostering 21st century skills: Challenge to teacher quality", 2014 (ISBN: 97881-927948-1-5)
- "Remedial Teaching: A Reality for Quality Enhancement" in the book titled Crafting a new world in school education published by Council for Teacher Education (CTEF), Kerala. (ISBN: 978-93-5437-411-1)
- Research paper "PREPARATION AND VALIDATION OF AN INSTRUCTIONAL DESIGN IN PHYSICS FOR STANDARD IX BY INTEGRATING BRUNER'S CONCEPT ATTAINMENT MODEL AND GORDON'S SYNECTICS MODEL" in the research volume published by Council for Teacher Education (CTEF), Kerala. (ISBN: 978-93-5427-319-1)

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge and belief

Thanking you

Yours sincerely,
Dr Sunikumari P M