

PROFILE OF THE TEACHER



MANKALA RAJESWARA RAO

M.Sc., SLET Qualified

Lecturer In Physics,

Department of Physics

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PERSONAL PROFILE

NAME: MANKALA RAJESWARA RAO

DESIGNATION: LECTURER IN PHYSICS

DATE OF BIRTH: 22ND FEB 1973

CASTE: OC

ADDRESS: Dr. V. S. Krishna Government Degree and PG College, Visakhapatnam

QUALIFICATIONS:

- Completed M.Sc. (Pure Physics) with 65.5% from Andhra University, Visakhapatnam, in 1995
- Qualified State Level Eligibility Test for Lecturership (SLET) in the subject Physics held during July 1997 conducted by Andhra Pradesh Public Service Commission, Hyderabad.

DATE OF ENTRY IN TO SERVICE:

Junior Lecturer (Through APPSC): 02-08-2002

Promoted as Lecturer: 06-11-2010

TOTAL TEACHING EXPERIENCE: 21 Years 4 months

ADDITIONAL WORK CONTRIBUTION FOR APSCHE/APCCE:

- Acted as course coordinator for restructuring of courses in UG Physics
- LMS Content generated for Solar Energy Skill Development Course
- Acted as member in BOS of Andhra University UG Physics

RESEARCH EXPERIENCE: Published Three Research Papers

Papers Taught at UG level:

1. Mechanics and properties of matter
2. Waves and Oscillations
3. Wave Optics
4. Thermodynamics and Radiation Physics
5. Electricity, magnetism, and Electronics
6. Modern Physics
7. Renewable Energy

Innovations in Teaching, Learning and Evaluation:

1. Use of ICT in teaching learning and evaluation
2. You tube channel
3. Use of vlabs
4. Organizing Field visits/surveys/study projects/ coaching classes for PG entrance
5. Distribution of free study material

Workshops/Conferences/MOOCs courses completed /FDPs attended/Acted as Resource Person during last five years:

WORKSHOP ON DIGITAL LEARNING INITIATIVES BY UGC, HRD, AU	14-07-2017
ACTED AS CONVENER FOR FDP ON RENEWABLE ENERGY SOURCES AT APHRDI, BAPATLA	03/08/2017 TO 05/08/2017
WORKSHOP ON VIRTUAL CLASSES AT ANU	17-10-2017
ACTED AS RESOURCE PERSON FOR ONE DAY WORKSHOP ON RENEWABLE ENERGY SOURCES AT Mrs AVN COLLEGE, VISAKHAPATNAM	21-12-2017
Orientation Workshop on OER, Content Development, MOOCs and MOODLE AT NIT WARANGAL	26-10-2018 TO 31-10-2018
SWAYAM COURSE ON ICT IN TEACHING AND LEARNING BY NITTTR (2 CREDITS)	22-05-2019
TECH 2018 AT NOVOTEL, VISAKHAPATNAM	15/11/2018 TO 17-11-2018
SEMINAR ON SCIENCE OF DISASTER MANAGEMENT AT Mrs. AVN COLLEGE, VISAKHAPATNAM	23-11-2019 TO 24-11-2019
SWAYAM ARPIT COURSE ON INTRODUCTION TO QUANTUM PHYSICS AND ITS APPLICATIONS IIT BOMBAY	SEPT -DEC 2019
SWAYAM MOOCs ON SOLAR PHOTOVOLTAICS FUNDAMENTALS TECHNOLOGY AND APPLICATIONS (AICTE) 8WEEKS	JUL-SEPT 2019
ACTED AS RESOURCE PERSON FOR WORKSHOP ON ICT AT AMAL COLLEGE ANAKAPALLE	12-02-2020
ONLINE TRAINING PROGRAMME ON BASIC DISASTER MANAGEMENT CONDUCTED BY NIDM AND APHRDI	14-12-2020 TO 15-12-2020
ONLINE FDP ON ADVANCES IN ATMOSPHERIC PHYSICS AND CHEMISTRY BY SANTIRAM ENGG COLLEGE NANDYAL	05-10-2020 TO 09-10-2020
WEBINAR ON LEARNING BY DOING - ELECTRICITY AND MAGNETISM BY IAPT AND ALC, VIJAYAWADA	26-09-2020
WEBINAR ON NEP 2020 HIGHER EDUCATION BY IMSCD&R, MAHARASTRA	13-08-2020
ONLINE FDP ON MOODLE LEARNING MANAGEMENT SYSTEMS BY JNTUH AND SPOKEN TUTORIALS IIT BOMBAY	10/06-2020 TO 15/06/2020
ONLINE FDP ON EMERGING TECHNOLOGIES AND CHANGING SCENARIO ON MATERIAL RESEARCH BY SANTHIRAM ENGG COLLEGE, NADYAL	27-07-2020 TO 01-08-2020
WEBINAR ON NANO PHYSICS CONDUCTED BY GDC RAZOLE EAST GODAVARI, AP	29-08-2020
VIRTUAL TALK ON INSPIRATIONAL SPEECH AND MOTIVATION BY SHIVKHERA CONDUCTED BY IGNOU	28-09-2020
ONLINE FDP ON RECENT TRENDS IN MATERIALS SCIENCE BY GMR INSTITUTE OF TECHNOLOGY, RAJAM	12-10-2020 TO 16-10-2020
ONLINE FDP ON SMART AND NANO MATERIALS BY ESWARI ENGG COLLEGE, CHENNAI	14-09-2020 TO 18-09-2020

ONLINE FDP ON RECENT TRENDS IN PHYSICS BY ST JOSEPH COLLEGE OF ENGG, CHENNAI	31-08-2020 TO 02-09-2020
WEBINAR ON NEP 2020 CHALLENGES AND STRATEGIES BY VIJAYA TEACHERS COLLEGE CHENNAI	28-09-2020 TO 29-09-2020
WEBINAR ON SURFACE CHARACTERIZATION USING X RAY PHOTOELECTRON SPECTROSCOPY BY JNTUK ENGG COLLEGE VIJAYANAGARAM	22-08-2020
ONLINE CONFERENCE ON FIVCON 2020 BY ANU	10-09-2020 TO 12-09-2020
ONLINE FDP ON LMS VEDIO AND PEDOGOGY BY CCE, AP	03-08-2020 TO 07-08-2020
ONLINE FDP ON ENERGY REFORMS BY APHRDI, BAPATLA	16-11-2020 TO 18-11-2020
FDP ON VIRTUAL PHYSICS LABS BY JNTUA, ENGG COLLEGE, ANATHAPURAM, AP	07-09-2020 TO 09-09-2020
ONLINE FDP ON NEW KNOWLEDGE IN PHYSICS AND ENERGY MATERIALS BY CCE, AP AND UNIVERSITY OF LOUSVILLE, USA , GDC RAJAMAHENDRAVARAM ATTENDED IDRC ON ENVIRONMENTAL SCIENCES AT AU HRDC, VISAKHAPATNAM	06-07-2020 TO 10-07-2020. 26-08-2021 TO 08-09-2021
RECENT ADVANCES IN MATERIAL SCIENCE AND ENGINEERING (RAMSE 2021) BY SVCR GDC PALAMANER CHITTOR DIST	23-09-2021 TO 24-09-2021
ONLINE FDP ON SPECTROSCOPICAL STUDIES IN STRUCTURAL STUDIES ANALYSIS MODERN ERA APPLICATIONS BY HITM, RANGAREDDY	25/01/2021 TO 29/01/2021
ONLINE FDP ON RECENT ADVANCES IN NANOMATERIALS NANO TECHNOLOGY AND APPLICATIONS BY SANTHI RAM COLLEGEKURNOOL	05-07-2021 TO 06-07-2021
ONLINE WORKSHOP ON OUTCOME BASED EDUCATION AND EXAMINATION REFORMS BY BAPATLA ENGG COLLEGE	03-08-2022 TO 05-08-2022
ONLINE WORKSHOP ON EMERGING TRENDS IN THE FIELD OF SCIENCE AND TECH BY SATYABHAMA INSTITUTE OF SCIENCE AND TECHNOLOGY	16-08-2021 TO 28/08/2021
WEBINAR ON MODERN TRENDS IN NANO TECHNOLOGY BY SRR AND CVR COLLEGE, VIJAYAWADA	11-03-2022
MASTER TRAINERS TRAINING PROGRAMME ON CONTENT DELIVERY AND ASSESSMENT METHODS BY CCE, AP, VIJAYAWADA	14/07/2022 TO 18/07/2022
5 DAY RESIDENTIAL TRAINING PROGRAMME ON SOLAR ENERGY BY GDC WOMEN AND CCE AP	10/08/2022 TO 14/08/2022

PAPER PUBLICATIONS PUBLISHED

1. Structure and Dielectric Properties of BSKNN K. Sambasiva Rao, M. Rajeswara Rao, P. Viswarupachary and T. N. V. K. V. Prasad Solid State Physics Labs, Department of Physics, Andhra University, Visakhapatnam-530 003, India
2. Preparation and Ferroelectric Studies on Strontium Barium Sodium Niobate Ceramics K. Sambasiva Rao, T. N. V. K. V. Prasad, P. Viswarupa Chary and M. Rajeswara Rao Solid State Physics Labs, Department of Physics, Andhra University, Visakhapatnam - 530 003, India
3. Structural and dielectric studies on lanthanum modified $\text{Ba}_2\text{LiNb}_5\text{O}_{15}$ K Sambasiva Rao, K Koteswara Rao, T N V K V Prasad and M Rajeswara Rao Solid State Physics Laboratory, Department of Physics, Andhra University, Visakhapatnam-530 003, India

INSTITUTIONAL RESPONSIBILITIES (At all stations):

1. IQAC/NIRF/AISHE Coordinator
2. RUSA Committee Member
3. Convener for Science Association
4. In Charge Department of Physics
5. Admission Committee Coordinator
6. Mentor to students for CSP/internships
7. CPDC MEMBER
8. Institutional Website in charge

PLACES WORKED:

1. GJC, Dumbriguda, Visakhapatnam district Feb 2002 to May 2006
2. GJC, Kothavalsa, Vizianagaram district from May 2006 to Nov 2010
3. GDC, YELLAMANCHILI, FROM 6-11-2010 TO 02-09-2015
4. GDC, Bheemunipatnam, FROM 03-09-2015 To 16th July 2023
5. Dr.V.S.Krishna Government Degree and Pg College, VSP from 17th July 2023 to till date