

PROFILE OF THE TEACHER

MANKALA RAJESWARA RAO

M.Sc., SLET Qualified

Lecturer in-charge,

Department of Physics

S.V.L.N. S GOVERNMENT DEGREE COLLEGE

BHEEMUNIPATNAM

VISAKHAPATNAM DISTRICT

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PERSONAL PROFILE

NAME: MANKALA RAJESWARA RAO

DESIGNATION: LECTURER IN PHYSICS

DATE OF BIRTH: 22ND FEB 1973

CASTE: OC

ADDRESS: S.V.L.N. S GOVT.DEGREE COLLEGE, BHEEMUNIPATNAM, VISAKHAPATNAM DIST.

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 RESTUCTURING OF COURSE, LMS, QUALITY ACESSEMENT:

- Acted as course coordinator for restructuring of courses in UG Physics
- LMS Content generated for Solar Energy Skill Development Course
- As academic advisor conducted academic audit at GDC- Sabbavaram, GDC- Chodavaram, Dr.V.S Krishna (A) College, St. Joseph College for women (A), AMAL college, AKP.
- 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 (PPT/You Tube Videos/ vlabs/ Distribution of free study material/Google forms for quizzes etc.)
2. Organizing Field visits/surveys/study projects/ coaching classes for PG entrance

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

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| 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 |

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| 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 12-09-2020 |
| ONLINE FDP ON LMS VIDEO AND PEDAGOGY 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 LOUISVILLE, USA , GDC RAJAMAHENDRAVARAM | 06-07-2020 TO 10-07-2020. |
| ATTENDED IDRC ON ENVIRONMENTAL SCIENCES AT AU HRDC, VISAKHAPATNAM | 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 $Ba_2LiNb_5O_{15}$ 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:

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 incharge

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 till date