



GOVERNMENT DEGREE COLLEGE

URAVAKONDA - 515 812

(Accredited by NAAC with B Grade)

Affiliated to S K. University, Ananthapuramu



PERSONAL PROFILE

Dr.K.M.Rajesh, M.Sc., Ph.D.
Lecturer in Physics,
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Educational Qualifications:

- ✚ B.Sc. (MPC)- Govt. College (A), Anantapuramu.
- ✚ M.Sc. (Physics)- Sri Venkateswara University, Tirupati.
- ✚ Ph.D. (Physics)- Sri Venkateswara University, Tirupati.
- ✚ CSIR-JRF-NET-Physics.

Professional Experience:

12 Years of experience as Degree College Lecturer.

- ✚ Worked as Lecturer in Physics at Govt.Degree College, Movva, Krishna Dist. Andhra Pradesh from 04-02-2012 to 30-05-2017.
- ✚ Worked as Lecturer in Physics at Govt.Degree College, Tiruvuru, Krishna Dist. Andhra Pradesh from 31-05-2017 to 23-11-2018.
- ✚ Working as Lecturer in Physics at Govt.Degree College, Uravakonda, Anantapuramu Dist. Andhra Pradesh from 24-11-2018 to till date.

Academic Development: (RC, OC, FDP, TOT, MOOCS, Training programmes etc.)

S.No	Date	Details
2011-2012		
1	26-04-2012 to 23-05-2012	Participated in an Orientation Course held at University of Hyderabad from 26-04-2012 to 23-05-2012 and obtained grade "A"
2012-2013		
1	25-03-2013 to 18-04-2013	Participated in an Interaction programme/Refresher Course (RC) on <i>GIS based Engineering & Science applications</i> held at JNTU, Hyderabad from 25-03-2013 to 18-04-2013 and obtained grade 'A'.
2013-2014		
1	03-08-2013 to 09-08-2013.	Participated in an Orientation Course /Refresher Course (RC) on NSS held at Krishna University campus, Machilipatnam from 03-08-2013 to 09-08-2013.
2014-2015		

1	15-03-2015 to 21-03-2015	Participated in an Orientation Course /Refresher Course (RC) on NSS held at Krishna University campus, Machilipatnam from 15-03-2015 to 21-03-2015.
2018-2019		
1	25-02-2019 to 16-03-2019	Participated in a Refresher Course (RC) on <i>Law & Social Transformation (Inter Disciplinary Course)</i> held at Sri Venkateswara University, Tirupati from 25-02-2019 to 16-03-2019 and obtained grade 'A'.
2019-2020		
1	17-04-2020 to 19-04-2020	Attended to an online course on <i>Basic Principles of Spectroscopy</i> organized by the department of Chemistry, AVS college of Arts and Science, Salem, Tamil Nadu from 17-04-2020 to 19-04-2020.
2	20-04-2020 to 21-04-2020	Attended to an online course on <i>Household Electrical devices & appliances</i> organized by the department of Physics, AVS college of Arts and Science, Salem, Tamil Nadu from 20-04-2020 to 21-04-2020.
2020-2021		
1	08-06-2020 to 12-06-2020	Participated in a five day Faculty Development Programme on " Recent Trends in Applied Physics & Material Science (RAM-2020)" from 08-06-2020 to 12-06-2020 conducted by Dept. of BS&H, QISCET, Ongole in association with Data Teach Labs.
2	19-06-2020 to 23-06-2020	Participated in an online Faculty Development Programme on " Advanced Materials for Energy Harvesting, Conversion and Storage" organized by Department of Science and Humanities, MLR Institute of Technology, Hyderabad during 19-06-2020 to 23-06-2020.
3	29-06-2020 to 05-07-2020	Participated in a one week National level online Faculty Development Programme on Digital Teaching Tools from 29-06-2020 to 05-07-2020 organized by IQAC cell, Department of Commerce & Department of Computer Science and Applications, Government City College (A), Hyderabad.
4	29-06-2020 to 07-07-2020	Participated in online Faculty Development Programme on Nano Science and Technology (Energy, Environment and Healthcare) from 29-06-2020 to 07-07-2020 organized by Sathyabama Institute of Science and Technology in associaton with Indian Institute of Information Technology Design and Manufacturing (IIITDM Kancheepuram)
5	06-07-2020 to 10-07-2020	Participated in a Five-day APCCE-US Faculty Development Programme on New Knoledge in Physics and Energy materials: Advaced Research Techniques from 06-07-2020 to 10-07-2020 organized by Commissionerate of Collegiate Education, A.P., Vijayawada in association with University of Louisville-USA, Southern University-USA and Elizabeth City State University-USA.
6	03-08-2020 to 07-08-2020	Participated in "5 days Faculty Development Programme in LMS Video & Pedagogy"on the theme of Imagining & Shaping of Digital Education & LMS towards development of High- Quality e-Content: Video Making -App based end to end Editing Tools, Open educational resourses (OER), OBS Studio, Pedagogy and Assessment" from 03-08-2020 to 07-08-2020 organized by Commissionerate of Collegiate Education, AP.,Vijayawada.
7	03-08-2020 to 07-08-2020	Completed A Five Day Online National level Faculty Development Programme on "Characterization of Materials" held from 3rd to 7th

		August, 2020, organized by Department of Basic Sciences and HSS, JNTUK-UCEV, Vizianagaram-535 003, Andhra Pradesh, India
8	04-08-2020 to 08-08-2020	Participated in an online FDP on Advances in Functional Devices 2020 conducted through a series of webinars for five days from 04-08 August 2020 organized by Department of Basic Science and Humanities, Vignan's Institute of Information Technology(A), Visakhapatnam.
9	24-08-2020 to 28-08-2020	Participated in one-week online Faculty Development program on Frontiers in Material Science Research organized by Department of Physics, Madanapalle Institute of Technology & Science, Madanapalle, Conducted from August 24-28, 2020.
10	25-08-2020 to 29-08-2020	Participated in One Week Faculty Development Program on "Recent Trends in Material Science and Technology" from 25th to 29th August 2020, Organized by Department of Physics, Hyderabad Institute of Technology and Management, Hyderabad
11	24-08-2020 to 29-08-2020	Participated in one week AICTE sponsored Short term training programme on Synthesis, Characterization and its applications of Nanomaterials during 24th to 29th August 2020 organized by JNTU, Hyderabad.
12	25-09-2020 to 29-09-2020	Participated in the TEQIP-III Sponsored one week short term Course on current trends in condensed Matter Physics organized by the department of Physics, Dr.B.R.Ambedkar National Institute of Technology, Jalandhar from 25-09-2020 to 29-09-2020.
13	12-10-2020 to 16-10-2020	Participated in the one week (online) Short Term Course on Advanced Energy Materials from 12/10/2020 to 16/10/2020, organized by Department of Physics, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab (India).
14	12-10-2020 to 16-10-2020	Participated in a one week Faculty Development Program (Online) on "Recent Trends in Materials Science" organized by Physics Division, Department of Basic Science and Humanities, GMR Institute of Technology, Rajam during 12th - 16th October, 2020.
15	15-10-2020 to 19-10-2020	Participated in the Five-day Faculty Development Program on "Synthesis of Advanced Materials and its Applications (SAMA-2020)" organized by Department of Physics, Science & Humanities held on October 15th to 19th 2020.
16	26-10-2020 to 30-10-2020	attended the Faculty Development Programme on "Recent Trends and Perspectives in Spintronic and Optical Materials" during 26th-30th October, 2020 organized by the School of Sciences (Physics), NIT Andhra Pradesh, Tadepalligudem, Andhra Pradesh.
17	09-10-2020 to 05-11-2020	Participated in Faculty Development Programme from 2020-10-09 to 2020-11-05 on ExpEYES organized by Government Degree College Mylavaram with course material provided by Spoken Tutorial Project, IIT Bombay.
18	26-10-2020 to 07-11-2020	Attended in the International FDP on "Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development" organized by Computer Science and Engineering Department, Bipin Tripathi Kumaon Institute of Technology Dwarahat Almora (Uttarakhand), INDIA on October 26- November 7, 2020.

19	18-12-2020 September to November 2020	Completed 8 weeks course/ Faculty development program (FDP) on <i>Solar Photovoltaics: Fundamentals ,Technology and Applications</i> organised by NPTEL and AICTE-SWAYAM organized by Indian Institute of Technology (IIT), Roorkee on 18-12-2020
20	10-04-2021 and 17-04-2021	Attended to the National Level workshop on <i>Recent Trends and Opportunities in Physics (Online)</i> on 10th and 17th April 2021, Organised by the Department of Physics, School of Advanced Sciences, VIT-AP University, Andhra Pradesh, India.
2021-2022		
1	07-06-2021 to 11-06-2021	Participated in the One-Week Online Faculty Development Program (FDP) on “Nanomaterials-Technologies for Energy & Sensor Applications”, (7th to 11th, June 2021) organized by Chemistry Division, Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh, India.
2	13-07-2021 to 17-07-2021	Participated in the five day faculty development program (FDP) on <i>Recent advances in Engineering Physics</i> organised by the department of Physics, QIS College of Engineering & Technology, Ongole, Andhra Pradesh from 13-07-2021 to 17-07-2021
3	09-08-2021 to 13-08-2021	Participated in online National Level Faculty Development Program (FDP) on “ <i>Materials for Photonic Applications</i> ” conducted during 9th-13th August, 2021 by the department of Physics, Mahatma Gandhi Institute of Technology, Hyderabad.
4	04-10-2021 to 08-10-2021	Participated in 5 days online Faculty Development Program (FDP) on ‘ <i>Advanced Materials and Applications</i> ’ organised by the Department of Physics, Presidency University from 4th to the 8th of October, 2021.
5	21-02-2022 to 28-02-2022	Participated in seven days online workshop on <i>The 7 assessment criteria for NAAC accreditation</i> from 21-02-2022 to 28-02-2022 organized by Govt.Degree College, Macherla and Govt.Degree College(W), Guntur.
6	28-03-2022 to 01-04-2022	Participated in an one week short term course (FDP)on <i>Emerging Trends and modelling in advanced functional materials and devices</i> from 28-03-2022 to 01-04-2022 organized by NIT, Jalandhar, Punjab.
7	10-04-2022 to 24-04-2022	Completed online 2 week Refresher Course (RC) in Physics organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 10-04-2022 to 24-04-2022 and obtained A+ grade.
8	25-04-2022 to 29-04-2022	Participated in 5 days online faculty development program on <i>Examination reforms outcome based teaching learning and assessment strategies</i> organised by the Academic Staff College ,MGR Educational and Research institution from 25-04-2022 to 29-04-2022.
2022-2023		
1	10-08-2022 to 14-08-2022	Attended to a FDP-TOT on Solar energy organized by CCE, Vijayawada held at KSN Govt.Degree College (W), Anantapuramu from 10-08-2022 to 14-08-2022.
2	29-08-2022 to 03-09-2022	Participated in One Week FDP on “Recent Advances on Material Characterizations” organized by Department of Physics, Krishna University, Machilipatnam from 29.08.2022 to 03.09.2022.

3	05.01.2023 to 07.01.2023.	Participated in three days Training Programme on Internship and LMS held at Nodal Resource Center, Govt College (Autonomous), Anantapuramu from 05.01.2023 to 07.01.2023.
4	06-02-2023 to 10-02-2023	Participated in the National Webinar on materials characterization organised by department of Physics ,Gayathri Vidya Parishad College of Engineering ,Visakhapatnam during 6th to 10th February 2023
5	11-04-2023 to 13-04-2023	Participated in Three Days National Level Online Professional Development Programme (PDP) on “Intellectual Property Rights-Significance in Business Innovation, Research and NEP 2020” held from 11-04-2023 to 13-04-2023 organized by Smt. Saraladevi Satishchandra Government First Grade College (Autonomous) S N Pet, Ballari-583101, Karnataka And Visvesvaraya Trade Promotion Centre (Department of Industries & Commerce,Government of Karnataka), Bangalore-560001
6	30-04-2023 January to April 2023	Completed 12 weeks course/ Faculty development program (FDP) on <i>Experimental Physics-II</i> organised by NPTEL and AICTE-SWAYAM organized by Indian Institute of Technology (IIT), Kharagpur on 30-04-2023
7	08-05-2023 to 12-05-2023	Participated in the FDP cum Workshop entitled " One-week faculty Development programme on <i>Computational modelling of materials</i> " during May 08, 2023 to May 12, 2023 organized by the Department of Physcis, Madanepalle Institute of Technology and Science.
2023-2024		
1	12-06-2023 to 17-06-2023	Attended to a FDP-TOT on English medium of instruction, Proficiency in English organized by CCE, Vijayawada held at SKP Govt.Degree College, Guntakal, Anantapuramu Dist. from 12-06-2023 to 17-06-2023
2	07-08-2023 to 11-08-2023	Participated in the Five Day Interdisciplinary Online Faculty Development Programme (FDP) on Institutional Initiatives for Effective Assessment and Accreditation in the context of NEP-2020 from 07-08-2023 to 11-08-2023 organised at S.S & N College, Narasaraopet, by Sri Subbaraya and Narayana College, Narasaraopet, Palnadu District in collaboration with APCCE.
3	11-09-2023 to 17-09-2023	Participated in the One Week International Online Faculty Development Programme (FDP) on “Multidisciplinary Approach in Research Methodology” from 11-09-2023 to 17-09-2023 Organised by Departments of Biotechnology, History, Physics, Electronics & Chemistry of Sri Y.N.College (A), Narsapur, W.G.Dt., Andhra Pradesh, India.
2024-2025		
1	20-05-2024 to 24-05-2024	Participated in One Week Virtual International Faculty Development Programme on ‘Fundamentals and Advances of Magnetic Materials (FAMM-2024)’ from May 20-24, 2024 organized by the Department of Physics, Chaitanya Bharathi Institute of Technology, Hyderabad, India
2	20-05-2024 to 25-05-2024	Participated in 6-days Online Faculty Development Programme on “Interdisciplinary Insights: Experimental and Computational Research in Materials Science” organized by Department of Physics, School of Sciences and Humanities, SR University, Warangal, India from 20th - 25th May, 2024.
3	10-06-2024 to 14-06-2024	Participated in one week Faculty Development Programme on OBE & NEP 2020 during 10th to 14th June 2024 jointly organised by Internal

		Quality Assurance Cell- IQAC, PBR VITS, Kavali and VIT-AP University, Amravati.
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Administrative Responsibilities:

S.No	Dr.K.M.Rajesh-Committee Convenor/Member	
1	IQAC	Convenor
2	Audio-Visual	
3	College website	
4	College Magazine-Editorial Board	
5	JKC	Member
6	Alumni	
7	Time table	
8	RUSA-Project Monitoring Unit (PMU)	

Research Publications:

S.No	Title of the Research article	Journal name	ISSN	Volume	Date	Link
1	Lantana camara leaf extract mediated silver nanoparticles: Antibacterial, green catalyst	Journal of Photochemistry and Photobiology B: Biology. ELSEVIER	10111344	149 (2015) 84-92	2015	https://doi.org/10.1016/j.jphotobiol.2015.05.020
2	Sesbania grandiflora leaf extract assisted green synthesis of silver nanoparticles: Aantimicrobial properties	<u>Materials today: Proceedings - Science direct - ELSEVIER</u>	<u>22147853</u>	3 (2016) 1977-1984	2016	https://www.sciencedirect.com/science/article/pii/S2214785316301328
3	Synthesis of copper nanoparticles and role of pH on particle size control	<u>Materials today: Proceedings - Science direct - ELSEVIER</u>	<u>22147853</u>	3 (2016) 1985-1991	2016	https://www.sciencedirect.com/science/article/pii/S221478531630133X
4	Assisted green synthesis of copper nanoparticles using	<u>Optik : ELSEVIER</u>	<u>304026</u>	154 (2018) 593-600	2017	https://www.sciencedirect.com/science/article/abs

	Syzygium aromaticum bud extract: Physical, optical and antimicrobial properties					/pii/S0030402617312871?via%3Dihub
5	A facile bio-synthesis of copper nanoparticles using Cuminum cyminum seed extract: antimicrobial studies	Advances in Natural Science: Nanoscience and Nanotechnology . IOP Publishing	20436262	9 (2018) 035005 (7pp)	2018	https://iopscience.iop.org/article/10.1088/2043-6254/aad12f