

Faculty Profile

1. **Name of the Faculty (in Capitals)** : Dr. Y. SATHEESH KUMAR REDDY
2. **Father's Name** : Y. SIVA REDDY
3. **Date of Birth** : 30-08-1978
4. **Designation** : Associate Professor
5. **Address** : Associate Professor
Department of Mathematics
K.S.R.M. College of Engineering (Autonomous)
Kadapa – 516 003
Email_ID: satheesh.y@ksrmce.ac.in
Mobile No. 8309389260



II. EDUCATIONAL QUALIFICATIONS:

Name of the Board / University	Name of the School/ College	Examination Passed	Month and Year of passing	Division/ Class
Board of Secondary Education, A.P.	Sri Sarada Nilayam High School, Kadapa.	S.S.C.	March, 1993	First
Board of Intermediate Examination, A.P.	Siva Reddy Junior college, Kadapa.	Intetmediate	March, 1995	First
S.V. University, Tirupati, A.P.	S.V. Degree College, kadapa	B.Sc.,	June 1998	First
S.V. University, Tirupati, A.P.	S.V. University, Tirupati, A.P.	M.Sc. (Applied Mathematics)	July 2000	First
S.K. University, Ananthapur	IASC, Kurnool,	B.Ed	October, 2002	First
Madurai Kamaraj University	Tirupati Study centre, Tirupati, A.p	M.Phil	April 2005	Second
Rayalasemma University, Kurnool, A.P.	Rayalasemma University, Kurnool, A.P.	Ph.D	17.07.2023	

III. PROFESSIONAL EXPERIENCE:

Designation of the post Held	Name of the Employer and address of organization	Period	
		From	To
Lecturer (Adhoc)	K.S.R.M. College of Engineering, Kadapa	24-10-2002	31-08-2007
Asst. Professor	K.S.R.M. College of Engineering, Kadapa	01-9-2007	12.04.2024
Associate Professor	K.S.R.M. College of Engineering, Kadapa	13-04-2024	Till Date

Subjects Taught:

UG	<ul style="list-style-type: none">• Mathematics-I• Mathematics-II• Mathematics-III• Mathematics IV• Probability and Statistics• Numerical Methods and Probability Statistics.• Linear Algebra and Calculus.• Differential Equations and Vector Calculus.• Probability and Statistics and Numerical Methods.• Mathematics for Intelligence System.• Mathematics for Data Science and Data Analytics.
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Additional Responsibilities/ Contribution in the development of Dept/College:

Responsibility/ Contribution	<ul style="list-style-type: none">• Sports Committee member• Disciplinary Committee member• Time table in charge for Mathematics department.• Member in BOS• Warden for Hostels.• Academic Counsel Member.• Department Exam Cell Member.• NAAC Criteria-4 Department Co-ordinator.• NBA Criteria – 8 Member.
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List of Text Books Published

1. B.Rama Bhupal Reddy, Y. Satheesh kumar Reddy and B.Veera Sankar PROBABILITY AND STATISTICS, Research India Publications (DELHI), 2021(ISBN: 978-81-953717-8-5).
2. B.Veera Sankar, Y. Satheesh Kumar Reddy, Dr. B. Rama Bhupal Reddy Published a Text book “ Transforms and Applications “ Research India Publications (Delhi, India), 2023. (ISBN: 978-93-92437-27-4).
3. Y. Satheesh Kumar Reddy, Dr. B. Rama Bhupal Reddy Published a Text book “A Study on Fluid Flow and Heat Transfer Problems”. Lambert Academic Publishing-2023. (ISBN: 978-620-6-78466-1).

List of Research Papers Published

1. Y.Satheesh Kumar Reddy and B.Rama Bhupal Reddy “Unsteady Magnetohydrodynamic Convective Heat and Mass Transfer in a Boundary Layer Slip Flow Past an Inclined Permeable Surface in The Presence of Chemical Reaction and Thermal Radiation”, Int. Referred Journal of Engineering and science (IRJES), ISSN: (Online) 2319-183x(Print) 2319-1821, Vol 7, Issue 2 (February 2018), pp. 16-29.
2. Y.Satheesh Kumar Reddy and B.Rama Bhupal Reddy “Unsteady Periodic Flow of Viscous Fluid Through a Porous Planner Channel With Heat Generation Under The Influence of Transverse Magnetic Field” Int. Journal of Advanced research in Engineering and Technology (IJARET), ISSN(Online) 0976-6499, (Print) 0976-6480, Vol. 9 Issue 3, May – June 2018, pp. 42-52.
3. Y.Satheesh Kumar Reddy and B.Rama Bhupal Reddy “The Effect of Magnetic Field and Thermal Radiation on Natural Convection flow of Viscous Incompressible Fluid From a Vertical Plate through Porous Medium with Constant Suction” Int. Journal for Research in Engineering application and management (IJREAM) ISSN: 2454-9150, Volume 04, Issue 03, June 2018, pp. 257-261.
4. Y.Satheesh Kumar Reddy and B.Rama Bhupal Reddy “Thermal Radiation and Heat Absorption on Transient MHD free Convection flow Embedded in a Porous Medium with Exponentially Decaying Wall Temperature” Int. Journal for Research in Engineering application and management (IJREAM) ISSN: 2454-9150, Volume 04, Issue 04, July 2018, pp. 417-422.
5. Y.Satheesh Kumar Reddy and B.Rama Bhupal Reddy “Variation of flow rate in laminar flow over a moving infinite vertical porous plate in the constant heat flux”, Journal Of Emerging Technologies And Innovative Research (JETIR), (ISSN: 2349-5162) Volume 6, Issue 1, January 2019, pp. 394-405.

6. Y.Satheesh Kumar Reddy, K.Karunakar, G.Vinod Kumar, D.Prabhavati, P. Pullaiah
 “Analysis On Fuzzy-Rough Set In Feature Selection Algorithm Using Feature Selection Process” JOURNAL OF EDUCATION: RABINDRA BHARATI UNIVERSITY, (ISSN: 0972-7175) Vol. : XXIII, No. :6(IV), 2020– 2021.

Refresher Course/FDP attended (National/ International):

S.no	FDP Topic	Name of organization	Date
1	Short Term Training Programme on “APPLIED NUMERICAL METHODS FOR SCIENTISTS AND ENGINEERS “	Visvevaraya National Institute of Technology, Nagpur.	21-25December,2009
2	One Week International online Faculty Development Program on “Applications of Mathematics in Science and Engineering”	Department of Basic Science (Mathematics), Vishnu Institute of Technology, Bhimavaram.	07.07.2020 - 11.07.2020.
3	Two Day’s Faculty Development Program on "Bio-Fluid Dynamics"	Rajeev Gandhi Memorial College of Engineering and Technology (Autonomous), Nandyal, Kurnool District.	11.07.2020 - 12.07.2020.
4	Five Day’s Online Faculty Development Program on “Role of Mathematics in Academic Research and Technology”	Department of Mathematics, Vemana IT, Bengaluru -34.	13.07,2020 - 17.07.2020.
5	Six Day Faculty Development Program on “Applications of Mathematics in Engineering”	Department of Mathematics, KPRIET, Coimbatore.	20.07.2020 - 25.07.2020.
6	One Week Online Faculty Development Program on “Mathematical prototypes and their Application in engineering and science”(MPAES-2020)	Department of Mathematics and Humanities, Sagi Rama Krishnam Raju Engineering college ,Bhimavaram	27.07.2020 - 01.08.2020.
7	One Week Online Faculty Development Program on “Mathematical Modeling & Numerical Techniques 2020”	Department of Mathematics & Humanities, Kakatiya Institute of Technology and Science ,Warangal.	27.07.2020 - 31.07.2020.
8	Five Day Faculty Development Program on “Applications of Mathematics in Engineering”	Department of Mathematics, KPRIET, Coimbatore.	27.07.2020 - 31.07.2020.
9	One Week Faculty Development Program on “Mathematics And Its Applications”	Freshman Engineering Department, Lakireddy Bali Reddy College of Engineering, Mylavaram	03.08.2020 – 07.08.2020.
10	Four Day Faculty Development Program on “Applications of	Department of Mathematics, KPRIET, Coimbatore.	25.08.2020 - 28.08.2020.

	Mathematics in Engineering” (Series-IV)		
11	National Level Online Faculty Development Program on “New Perspectives in Mathematics and Their Relevance to Science & Technology”	Department of Mathematics, JNTUA College of Engineering, Anantapuramu	02-09-2020 to 04-09-2020.
12	Five Day FDP on “Applications of Mathematics and Statistics in Engineering” (AMSE-2020)	Malla Reddy Engineering College (Autonomous), Secunderabad.	23.11.2020 to 27.11.2020
13	One Day Online FDP On Calculation of Academic performance Indicator (API)	Department of ECE, Santhiram Engineering College, Nandyal	02.03.2021
14	One Week Faculty Development Programme on “Recent Trends in Applications of Mathematics (RTAM)”	Department of Freshman Engineering, Chadalawada Ramanamma Engineering College (Autonomous), Tirupati	12.07.2021 - 17.07.2021
15	One-Week virtual National FDP on Scientific Documentation using LaTeX (SDL-2021)	Department of Mathematics and Humanities, Sagi Rama Krishnam Raju Engineering college, Bhimavaram.	09.08.2021 to 14.08.2021.
16.	10 Hours International Faculty Development Program on “AI And Gen AI with Industry Application”	MIT Academy of Engineering (MIT AOE) Autonomous- Maharashtra and The National Institute of Engineering- Mysore.	16.07.2024 to 22.07.2024.

National/International Conferences: Session chair/Key Note address:

SNO	Name of the event	Venue	Period (From – To)
1	International conference on “Fluid Dynamics and its Applications”	B.N.T. Institute of Technology, Bangalore.	20-22 nd July, 2011
2	National Conference on “Recent Developments in Applications of Mathematics in Science & Engineering”	Annamacharya Institute of Technology and Sciences.	10-11 January, 2015
3	XXVII Congress of APTSMS & National Conference On “Recent trends in pure and Applied Mathematics”	RASHTRITA SANSKRIT VIDYAPEETHA (Deemed to be University)	06.12.2019-08.12.2019

Workshops attended (National/ International):

S.no	Title of the Workshops	Organization	Period (From-To)
1.	Two day National Workshop on “Mathematics and Its Applications”	Yogi Vemana University, Kadapa.	4-6 th February,2014
2.	Two day Workshop on “Research Methodologies and LATEX”	Madanapalle Institute of Technology & Science (Autonomous), Chittoor District.	21-22 nd February,2015
3.	Workshop On “Effective Teaching Methods using MATLAB & SIMULINK”	K.S.R.M. College of Engineering (Autonomous), Kadapa.	07.10.2017
4.	One Week Wolfram Mathematica Workshop on “Computational Mathematics in Engineering”	RGM College Of Engineering & Technology, Nandyal.	24-30 th October,2017
5.	National Level Workshop on “RECENT ADVANCES IN FLUID DYNAMICS & APPLICATIONS IN SCIENCE & TECHNOLOGY”	Madanapalle Institute of Technology & Science (Autonomous), Chittoor District.	25-26 th May 2018
6.	Two day National Level Workshop on “INNOVATIVE TECHNIQUES IN ENGINEERING AND MANAGEMENT’	K.L.M. College of Engineering for Women, Kadapa.	22 nd & 23 rd March,2019
7.	One day workshop on “SCILAB PROGRAMMING”	CRI KSRM College of Engineering (Autonomous),kadapa.	4 th May, 2019.
8.	4- Day International E-Workshop on Vedic Mathematics.	Andhra Mahila Sabha Arts & Science College for Women, O.U.Campus, Hyderabad.	13.07.2020 - 16.07.2020.
9.	Two-day Workshop on Applications of Mathematical Sciences	Mathematics & Statistics, Krishna University, Nuzvid.	10.09.2020 - 11.09.2020.
10.	Five Days e-Workshop on LaTeX	Department of Mathematics, School of Science, GITAM, Bengaluru	05.07.2021 - 09.07.2021

Seminars/Webinars Attended (National/International):

S.no	Title of the Webinars	Name of Organization	Date
1.	Seminar on “Advances in Research and Innovations in Mathematics” (NSARIM-2018)	Yogi Vemana University,Kadapa	7 th September,2018
2.	National Webinar on “Microscopy of functional Materials and Spectroscopy”	Department of AS&H (Physics), Tirumala Engineering College, Andhra Pradesh.	22.06.2020
3.	Webinar on Patent and its	Research & Development Cell in	25.06.2020.

	Importance in the Research.	association with MCA Department, SITAMS, Anantapuramu.	
4.	National Webinar on Applications of Mathematics for Engineers	Department of Science and Humanities (Mathematics), BHARAT Institute of Engineering and Technology.	04.07.2020-05.07.2020.
5.	National Level Webinar on “Matrix Method for System of Differential Equations”	Internal Quality Assurance Cell (IAQC), SITAMS, Ananthapuramu.	11.07.2020.
6.	National Webinar on Mathematical Modeling & Sample Determination in Research	Department of Mathematics, GIS ,GITAMS.	11.07.2020.
7.	National Webinar on “Mathematics of Fluid Dynamics & Numerical Study of Singular Perturbation Problems”	Faculty of Mathematics, Freshman Engineering Department, Prasad V.Potluri Siddhartha Institute of Technology.	17.07.2020 - 18.07.2020.
8.	National Webinar on Application of Statistics in Data Science	Department of Mathematics, School of Science. GITAM, Hyderabad.	21.07.2020 & 22.07.2020
9.	National Webinar on Impact of covid -19 on higher education system.	Department of Applied Science, SIRTE, Bhopal.	23.07.2020.
10.	“The Importance of Mathematics in Engineering Education”.	Mahaveer Institute of Science and Technology, Hyderabad.	25.07.2020
11.	Impact of COVID-19 on the Development of Rural Economy- Challenges and Opportunities	LEAD INDIA FOUNDATION & JNTUA Ananthapuramu	27/07/2020
12.	Webinar on Applications of Laplace Transforms in the Field of Engineering	Department of Science and Humanities, Nehru Institute of Engineering and Technology, Coimbatore.	13.08.2020.
13.	Applications of Mathematics in Engineering	Department of Mathematics, KPRIET, Coimbatore.	08.09.2020 – 09.09.2020.
14.	Webinar on “Over View of Vedic Mathematics”	Department of Mathematics, KPRIET, Coimbatore.	26.09.2020
15.	Webinar on ‘Applications of Nature Inspired Optimization Techniques for solving Real life Problems’	Department of Mathematics, KPRIET, Coimbatore.	08.10.2020
16.	Webinar on ‘Software Reliability’	Department of Mathematics, KPRIET, Coimbatore.	09.10.2020
17.	National Webinar entitled “MATHEMATICAL APPROACHES IN SCIENCE AND ENGINEERING” (MASE-2021)”	Department of Applied Mathematics, YVU, Kadapa.	01.03.2021
18.	One Day National Level Virtual Seminar on <i>We are the part of solution towards Sustainability</i>	Department of H&S, KSRMCE, Kadapa.	05.06.2021
19.	National Level Webinar “Applications of Mathematics in Deep Learning”	Department of Humanities and Sciences, ANNAMACHARYA INSTITUTE OF TECHNOLOGY AND	13.07.2021.

		SCIENCES KADAPA.	
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S.No:	Title of the NPTEL	Name of the Organization	Date
1.	Accreditation and Outcome Based Learning.	Indian Institute of Technology Kharagpur.	Jul-Sep 2021 (8 Week Course)
2.	Scientific Computing Using Matlab.	Indian Institute of Technology Madras.	Jan-Apr 2022 (12 Week Course)

Membership in Professional Bodies

1. Indian Society for Technical Education, LM 107166, Life Member.
2. Andhra Pradesh Society for Mathematical Sciences, Life Member.

Place: Kadapa

Signature of the Candidate

Date: 12/08/2024

(Dr. Y. SATHEESH KUMAR REDDY)