



**SREENIVASA INSTITUTE OF TECHNOLOGY AND  
MANAGEMENT STUDIES**

**Department of Science and Humanities**

Faculty publication and Participations in various  
academic activities

**Academic Year -2021-2022**



**SREENIVASA INSTITUTE OF TECHNOLOGY AND MANAGEMENT STUDIES  
(AUTONOMOUS)**

Dr.D.K.Audikesavulu Marg, Murukambattu Post, Chittoor, A.P – 517127

**Faculty Development Program Attended**

Sl.No	Name of the Faculty member	Name of the event	Dates	Organized Institute
1	<b>Dr.H.Umamahesvari</b>	Webinar on " ICT enabled Tools in the Natural Disaster Management	21st October 2021	Department of Civil Engineering, Presidency University. Bangalore
2	<b>Dr.H.Umamahesvari</b>	One Week Virtual International Lecture Workshop on "New Advances in Mathematical and Computational Sciences " (NAMCS-2021)	13.09.2021 to 18.09.2021	Department of Applied Mathematics, Yogi Vemana University, Kadapa
3	<b>Dr.H.Umamahesvari</b>	Faculty Development programme, Outcome Based Extension Activities	23.09.2021 to 25.09.2021	ANJAC EXNORA in association with IQAC, Ayya Nadar Janaki Ammal College
4	<b>Dr.H.Umamahesvari</b>	Faculty Development Program on "How to make Teaching Learning Process Effective & Outcomes based	14 <sup>th</sup> June to 21 <sup>st</sup> June	Department of Commerce, Christian Eminent College, Indore in association of Indian Agricultural Research Institute, Indore, India
5	<b>Dr.H.Umamahesvari</b>	Faculty Development programme, Energy environmental Science and Technology for sustainable development	20 <sup>th</sup> to 25 <sup>th</sup> May 2021	Dr.D.Y.Patil Institute of Technology, Pimpri, Pune
6	<b>Dr.H.Umamahesvari</b>	Faculty Development programme Innovative Teaching And Research in Science: Exploring The New Horizons	10th to 15th June 2021	Science Forum in Association with IQAC, Government First Grade College, Vijayanagar, Karnataka
7	<b>Dr.H.Umamahesvari</b>	Training Programme, IPR awareness/training program	07/03/2022.	"National Intellectual Property Awareness Mission (NIPAM)"
8	<b>Dr.H.Umamahesvari</b>	Training Programme, How to Conduct the Student Induction (SIP) Program"	20 <sup>th</sup> September 2021	AICTE, New Delhi
9	<b>Dr.H.Umamahesvari</b>	Short Term Course, Recent Advances in the modeling of	10 <sup>th</sup> to 17 <sup>th</sup> January	IIT Madras, Chennai

		inelastic response and integrity assessment of metals	2022	
10	<b>Dr.H.Umamahesvari</b>	One-Day Online Workshop "How to Conduct the Student Induction (SIP) Program	20 th September, 2021	All India Council for Technical Education(AICTE).
11	<b>Dr.H.Umamahesvari</b>	One Week Virtual International Lecture Workshop on "New Advances in Mathematical and Computational Sciences " (NAMCS-2021)	13.09.2021 to 18.09.2021	Department of Applied Mathematics, Yogi Vemana University, Kadapa
12	<b>Dr.H.Umamahesvari</b>	Three Day Faculty Development Programme On 6“Outcome Based Extension Activities”	23-09-2021 to 25-09-2021	ANJAC EXNORA in association with IQAC, Ayya Nadar Janaki Ammal College
13	<b>Dr. U. Balakrishna</b>	Webinar on Operations Research & Its Application	30 <sup>th</sup> June 2021	Oxford College of Engineering
14	<b>Dr. U. Balakrishna</b>	Workshop on New Advances in Mathematical and Computational sciences	13.09.2021 to 18.09.2021	Yogi Vemana University, Kadapa
15	<b>Dr. U. Balakrishna</b>	online FDP on Number theory and its applications	14.06.2021 to 19.06.2021	GATES Institute of Technology, Gooty, Anantapur
16	<b>Dr. U. Balakrishna</b>	Six day faculty development programme, Mathematics & Statistics in Emerging Field	05.07.2021 to 10.07.2021	KPR Institute of Technology, Arasur, Coimbatore
17	<b>Dr. U. Balakrishna</b>	Five days e-workshop. e-workshop on LATEX	05.07.2021 to 09.07.2021	GITAMS, Bangalore
18	<b>Dr. U. Balakrishna</b>	Webinar, Research Innovativeness In Engineering And Management	02.07.2021	Narayana Engineering College, Nellore
19	<b>Dr. U. Balakrishna</b>	One Week Virtual International Lecture Workshop, New Advances in Mathematical and Computational Sciences " (NAMCS-2021)	13.09.2021 to 18.09.2021	Yogi Vemana University, Kadapa – 51600
20	<b>Dr. U. Balakrishna</b>	“Five Days Online Faculty Development Programme, Scientific Application Packages for State-of-the-Art Technical Computing	14 March 2022 to 18 March 2022	Presidency University, Bengaluru - 560 064
21	<b>Dr. U. Balakrishna</b>	Two Day Online Faculty Development Programme, Research And Publication Ethics	26th & 27th February 2022	SITAMS,CHITTOOR
22	<b>Dr. U. Balakrishna</b>	one week online Faculty Development Programme,MATHEMATICS FOR A BETTER WORLD	21st - 26th March, 2022	GATES Institute of Technology, Gooty, Anantapur
23	<b>Dr. U. Balakrishna</b>	International Webinar, Special	21st to 25th	Department of

		Functions and their Applications.	March 2022	Mathematics, in association with IQAC, University of Kerala
24	<b>Dr.R.Kodandan</b>	Creative Thinking and Quality Publication	29-9-21 to 01-10-21	Sairam college of Engineering, Bangalore
25	Dr.R.Kodandan	Recent trends in Mathematical & Statistical Techniques	22-10-21 to 23-10-21	MIT-WTU, School of Mathematics and Statistics ,Pune
26	Dr.R.Kodandan	Faculty Development Programme on Recent Trends in mathematical and Statistical Techniques	2nd to 23rd October 2021	MIT-WPU School of Mathematics and Statistics, Pune
27	Dr.R.Kodandan	Faculty Development Programme on New Advanced In Mathematical and Computational Sciences(NAMCS2021)	13-9-2021 To18-09-2021	Department of Mathematics;Yogi Vemana University, Kadapa, AP
28	Dr.R.Kodandan	Webinar on Data Analysis Using predictive modeling	25-10-2021	Gonzaja College of Arts and Science for Women , Krishnagiri District
29	<b>Dr.R.Kodandan</b>	Webinar on Mathematics Using Python	24-09-2021	JSS College for Women , Mysore
30	<b>Dr.G.Sucharitha</b>	Faculty Development Programme on New Advanced In Mathematical and Computational Sciences(NAMCS2021)	13-9-2021 To18-09-2021	Department of Mathematics; Yogi Vemana University, Kadapa, AP
31	<b>Dr.G.Sucharitha</b>	Faculty Development Programme on Scientific Documentation using LaTeX (SDL-2021)	09-08-2021 To 14-08-2021	Department of Engineering Mathematics and Humanities ,SRKR Engineering college, Bhimagram, AP
32	<b>Dr.G.Sucharitha</b>	Faculty Development Programme on Creative thinking and Quality Publications	29-9-2021 to 1-10-2021	Sri Sai Ram collage of Engineering ,Bangalore
33	<b>Dr.G.Sucharitha</b>	One week online faculty development programme on “MATHEMATICS FOR A BETTER WORD”	21-04-22 to26-04-22	JNTU Ananthapuram
34	<b>Dr.G.Sucharitha</b>	Five Days Online Faculty Development Programme on “Scientific Application Packages for State of the Art Techincal Computing”	14-04-22 to 18-04-22	Presidenchy University ,Bengaluru
35	<b>Dr.G.Sucharitha</b>	Two Days online Faculty Development Programme on “ Research And Publication Ethics”	26-02-22 to 27-02-22	SITAMS,Chittoor
36	<b>Dr.G.Sucharitha</b>	Expert talk on “ Wellness & Women’s Mental Health in	7-03-22	SRMIST, Chennai

		the time of Covid -19 Pandemic		
37	<b>Dr.G.Sucharitha</b>	Faculty Development programme on "NewAdvanced in Mathematical and Computational Sciences	13-9-21 to 18-09-21	Yogi vemanan University , Kadapa. A.P
38	<b>Dr.G.Sucharitha</b>	Scientific Documentation using LaTeX (SDL-2021)	09-08-2021 to 14-08-2021	SRKR Engineering college, Bhimagaram ,A.P
39	<b>Dr.G.Sucharitha</b>	Creative thinking and Quality Publications	29-09-2021 to 1-10-2021	Sri Sai ram Collage of Engineering ,Bangalore
40	<b>SYED FAZURUDDIN</b>	International Webinar, Development of Governing Equations of Fluid flow	02-08-2021 To 03-08-2021	KPR Institute of Engineering and Technology, Coimbatore
41	<b>SYED FAZURUDDIN</b>	National Level Webinar The Power of Youth of the 21st Century	21-03-2021	Kasigiri School of life skills, Kadapa
42	<b>SYED FAZURUDDIN</b>	Webinar Life Skills and Professional Ethics	14-03-2021	Kasigiri School of life skills, Kadapa
43	<b>SYED FAZURUDDIN</b>	National Level Webinar,MATHEMATICAL APPROACHES IN SCIENCE AND ENGINEERING	01-03-2021	YOGI VEMANA UNIVERSITY Kadapa
44	<b>SYED FAZURUDDIN</b>	3 - Day NATIONAL E-WORKSHOP	27-05-2021 To 29-03-2021	Chadalawada Ramanamma Engineering College, Tirupati
45	<b>SYED FAZURUDDIN</b>	Faculty Development Programme (one Week) on LaTeX	07-06-2021 To 12-06-2021	Auxilium College of Arts and Science for Women, Pudukottai-TN
46	<b>SYED FAZURUDDIN</b>	Faculty Development Programme (two days), Development of Governing Equations of Fluid Flow	02-08-2021 To 03-08-2021	KPR Institute of Engineering and Technology, Coimbatore
47	<b>SYED FAZURUDDIN</b>	Faculty Development Programme (one Week), Mathematics for a better world	21-03-2022 To 26-03-2022	GATES INSTITUTE OF TECHNOLOGY, Ananthapur
48	<b>CH AMANULLA</b>	One week Faculty Development Programme	05-11 Jan ,2022	Mizan-Tepi University, Ethiopia

49	<b>CH AMANULLA</b>	Two Day Online Faculty Development Programme, Research And Publication Ethics	26th & 27th February 2022	SITAMS,CHITTOOR
50	<b>CH AMANULLA</b>	Faculty Development Programme (one Week), Mathematics for a better world	21-03-2022 To 26-03-2022	GATES INSTITUTE OF TECHNOLOGY, Ananthapur

## 2. Research Publication by Faculty members (Journals)

Sl. No	Name(s) of the authors	Title of the paper	Particulars of the journal in IEEE format (Publisher Name, Volume, Issue No. PP & Year)	Indexing details
1	<b>Dr.H.Umamahesvari</b>	Theoretical electron excitation study in liquid phase (protic, aprotic, non-polar) and inter and intra molecular reactivity of 2-hydroxy-5-[1-hydroxy-2-(4-phenylbutan-2-ylamino) ethyl] benzamide	Journal of the Indian Chemical Society. 0019-4522	Scopus & Web of Science
2	<b>Dr.H.Umamahesvari</b>	Conformational Analysis, Spectroscopic Insights, Chemical Descriptors, ELF, LOL and Molecular Docking Studies of Potential Pyrimidine Derivative with Biological Activities	The Journal of the International Society for Polycyclic Aromatic Compounds, 1040-6638 Online ISSN: 1563-5333	Scopus & Web of Science
3	<b>Dr.H.Umamahesvari</b>	Modeling the DFT structural and reactivity studies of a pyrimidine - 6-carboxylate derivative with reference to its wave function-dependent, MD simulations and evaluation for potential antimicrobial activity	Journal of Molecular Structure, 0022-2860	SCI
4	<b>Dr.U.Balakrishna</b>	Solving open travelling salesman subset-tour problem through a hybrid genetic algorithm	Journal of Project Management, ISSN 2371-8374 (Online) - ISSN 2371-8366 (Print)	SCI

5	<b>Dr.U.Balakrishna</b>	Turkish Online Journal of Qualitative Inquiry (TOJQI)	Solving an Open $k$ -city Travelling Salesman Problem with Ordered Constraint: An Exact Lexi-search Algorithm,e-ISSN 1309-6591	Scopus
6	<b>Dr.U.Balakrishna</b>	An Articulation Point Based Heuristic Algorithm for Minimum Weight Vertex Cover Problem	GIS SCIENCE JOURNAL,1869-9391	SCOPUS
7	<b>Dr.U.Balakrishna</b>	An exact pattern recognition based Lexi search algorithm Forrestricted unbalanced assignment Problem	International Journal of Mechanical Engineering,0974-5823	SCOPUS
8	<b>Mr.P.V.Ramanamoorthy</b>	Machine Learning Techniques for Atmospheric data using WEKA	The International Journal of Engineering and Science (IJES)	
9	<b>Dr.G.Sucharitha</b>	Effect of Eline Magnetic Field and Slip on Peristaltic flow Of a Williamson Fluid in a Flexible conduit with porous medium	Journal of Advances in Fluid Dynamics, <a href="https://doi.org/10.1007/978-981-15-4308-1_59">https://doi.org/10.1007/978-981-15-4308-1_59</a>	Scopus
10	<b>Dr.Syed Fazuruddin</b>	Numerical simulation of slip effect on lid-driven cavity flow problem for high Reynolds number: Vorticity – stream function approach	Mathematical Modelling of Engineering Problems,2369-0739 (print); 2369-0747 (online)	SCOPUS
11	<b>Dr.Syed Fazuruddin</b>	Effect of Various Tilted Positions of a Thin Fin on Natural Convection of Laminar Viscous Flow in a Square Cavity	International Journal of Heat and Technology, 0392-8764	WOS
12	<b>Dr.Syed Fazuruddin</b>	Mhd Radiative Heat Transfer Analysis Of Carreau Nanofluid Flow Past Over A Vertical Plate: A Numerical Study	Nanoscience and Technology, 2572-4258	ESCI WOS
13	<b>Dr. CH Amanulla</b>	Numerical Study of a Williamson Fluid Past a Semi-Infinite Vertical Plate with Convective Heating and Radiation Effects	<i>Diffusion Foundations</i> , 28, 1-15	Scopus



14	<b>Dr. CH Amanulla</b>	Magneto Casson-Carreau Fluid Flow through a Circular Porous Cylinder with Partial Slip	Journal of Applied and Computational Mechanics	Scopus WOS
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### 3. Conference / Seminar Publications by Faculty

Sl. No	Name(s) of the authors	Title of the paper	Particulars of the journal in IEEE format
1	<b>Dr.H.Umamahesvari</b>	The Implementations of Magnetic materials in logical storage Devices	International Conference on Challenges and Opportunities in renewable energy Smart Systems and E-Mobility ( ICCORSE-2020) from 30 <sup>th</sup> to 31 <sup>st</sup> July 2020
2	<b>Dr.H.Umamahesvari</b>	A resolutely innovation for power dissipation – electronic, magnetic quantum dot cellular automata	International conference on Challenges and Opportunities in Renewable Energy Smart Systems and E-Mobility, Eswari College of Engineering , Chennai, 7 <sup>th</sup> &8 <sup>th</sup> October 2021
3	<b>Dr.H.Umamahesvari</b>	The Emergent Innovation of nonmagnetic materials for the implementation of Storage devices	International Conference on Emerging trend in Engineering. material , nanotechnology, commerce and Management, Alpha College of Engineering, Pondicherry, 29 <sup>th</sup> & 30 <sup>th</sup> December 2021

### 4. Books Published by Faculty

Sl. No.	Name(s) of the author(s)	Title of the book	Book type	ISBN number	Name and place of the publisher
1	<b>Dr.H.Umamahesvari</b>	<b>COVID-19 and Indian Education System Challenges and Opportunities (Book Chapter)</b>	<b>Edited Book</b>	<b>ISBN 978-93-88688-02-4</b>	<b>Adithya Publishers and Distributers, Delhi, India</b>
2	<b>Dr.H.Umamahesvari</b>	Application Adoptive Assignment –A New Assessment Methodology in Online Pedagogy	<b>Edited Book</b>	ISBN 978-93-91373-10-8	Noval Materials for Emerging Applications
3	<b>Dr.R.Kodandan</b>	Stability analysis of system of additive functional equations from a Hotel model Via fixed point method	<b>Edited Book</b>	ISBN:978-81-950475-0-5	Recent Advancement of Mathematics in Science and Technology