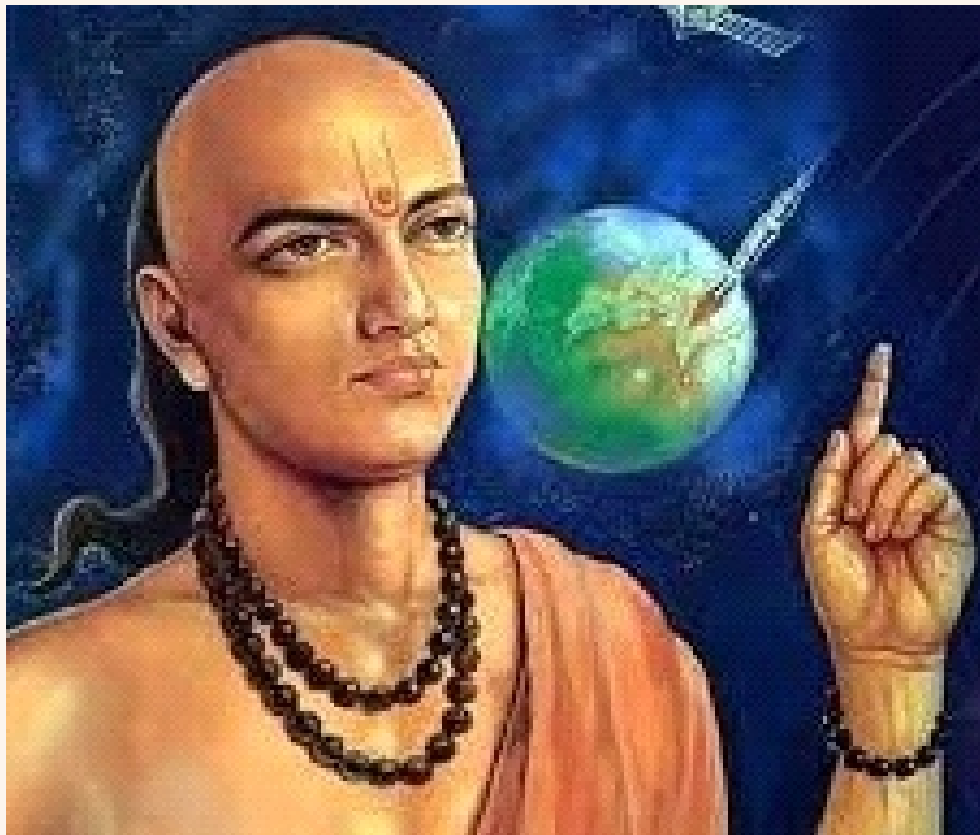




DEPARTMENT OF MATHEMATICS JNTUH COLLEGE OF ENGINEERING HYDERABAD (AUTONOMOUS)

NEWSLETTER FROM 1ST JULY, 2020 TO 30TH JUNE, 2021



ARYABHATTA

Aryabhatta was a well-known astronomer and Mathematician. He was born in the Indian state of Bihar, in the town of Kusumapura (now Patna). Despite his enormous contributions to Mathematics, science, and astronomy, he has received no credit in the history of science. He authored his famous “**Aryabhatiya**” at the age of 25. He understood the idea of zero and he was the first to compute the value of '**pi**' to the fourth decimal point with precision. He was the one who came up with the formula for computing the areas of triangles and circles.

About the Department

The Department of Mathematics was established in the year 1965 at the time of inception of the Nagarjuna Sagar Engineering College to support the Engineering Departments having courses in Mathematics. The Department of Mathematics has become an integral part of JNTU College of Engineering, Hyderabad a constituent college of JNT University, consequent upon the formation of the University in 1972. Ever since the inception, the Department of Mathematics is actively participating in the academic development of the University by properly revising the syllabi of Mathematics Courses to cater the needs of Engineering Departments and the academic industry.

The Department of Mathematics started a 3 Year Post Graduate Course in Mathematics, namely M.Sc (Tech) titled “Systems Theory & Industrial Applications” in 1991. The course was later restructured as two-year M.Sc course in Mathematics with the title “Systems Theory & Computer Modeling” in consonance with the present day developments in global scenario with a suitable curriculum that bridge the gap between academics and industry.

Keeping in view of the requirements of the students community the Syllabus and structure of the course is revised in 2012 and the M.Sc program is renamed as **APPLIED MATHEMATICS**. The M.Sc(Applied mathematics) course is unique in the structure by the presence of the blend of pure mathematics, applied mathematics and computer science subjects in the curriculum. The students from abroad are encouraged to do certain pre requisite courses (if necessary) to understand the concepts from the day one in the class room. Also all the students are encouraged to take up project work related to the real world problems at the final semester which is compulsory in the curriculum. The course is received extremely well in the fields of teaching, research and industry

◆ The Vision

- To enrich the problem solving and analytical skills of the stake holders
- To promote research innovation and excellence.
- To solve Ecological, Environmental, Atmospheric and Real World problems.
- To support the Industry and Government in solving the social challenges.

◆ The Mission:

The Department of Mathematics encourages and promotes the analytical skills of the stake holders with the use of Advanced Mathematical, Computational and Informatics Techniques to solve the various Industrial and Environmental problems for the benefit of society and to make more competition in the global environment.

◆ Programs/Courses Offered

- B.E/ B. Tech
- Ph.D. in Mathematics (Regular & Part–Time)

◆ The areas in which the faculty members are actively engaged in research:

- Fluid Dynamics
- Mathematical modeling
- Topology
- Dynamical systems

◆ Facilities in the department:

Computer lab: The computer lab is equipped with well configured systems with all the latest software for doing computations and simulations at research level in addition to the regular courses for M. Sc students.

Library: The department has a well equipped library, consisting of books from all branches of mathematics. Department library with approximately 300 volumes for regular usage is made available to students

◆ **Interactive sessions, competitive exams, career Guidance:**

Quit often the department conduct interactive meetings with the people from software industry and research organizations to enlighten the students, particularly for the students of P.G course.

◆ **Credentials of the Department of Mathematics:**

- In the year 2008, professor of the Department Dr. B. Krishna Gandhi became the first Vice Chancellor of JNTU Anantapur.
- Professor Dr. G. Lakshminarayana was Vice chancellor of JNTU (combined) for Two terms. He was the first vice chancellor from the Department of Mathematics.

◆ **Scholarships & Awards:**

Dr. Shahnaz Bathul (Retd Professor of mathematics JNTUCEH) has instituted an award of Rs 15,000 for the B.Tech student of JNTUCEH who gets a maximum total of marks in 3 Mathematics papers put together.

A gold medal is constituted by Dr. Shahnaz Bathul, for the student who secures highest percentage of marks in P.G Course.

This medals will be presented to the student at the university convocation

◆ **Strengths, Weaknesses, Opportunities, Challenges and Future plans of the department:**

Strengths:

- The faculty of the Department are actively engaged in research, well experienced and have knowledge in diverse fields of the Mathematics.
- Well qualified faculty
- Actively participation of each faculty in various college committees.
- Mathematics Laboratory with internet facility
- Mathematics Department with internet facility

Weaknesses:

- The Department does not have all positions filled with permanent staff.
- More effort is needed to increase the number of state/central government funded projects to strengthen the department.
- Soft skills and communication skills of students need to be improved.
- Student and staff are to be encouraged for paper presentation at various National / International conferences, workshops and seminars.


Opportunities:

- Wide higher education option.
- This department is known for its student friendly atmosphere. We attend to all the problems of the students at a very intimate personal level
- Mathematical softwares (useful in teaching, learning and research)

Challenges:

- The challenge is to train the students to learn the Mathematical concepts which can be applied to the real world problems.
- To increase students strength in the Department of Mathematics
- To remove phobia about subject and to create interest among the student learn fundamental concepts of Mathematics with joy.
- Manage, improve and upgrade physical facilities.
- To develop the analytical and logical thinking of the students and their skills so that they can apply Mathematical Methods to their real-life situations.
- To develop the analytical and logical thinking of the students and their skills so that they can apply Mathematical Methods to their real-life situations.

♦ The persons headed and molded the department:

❖ Prof. G. Purushotham	❖ Prof. M.M.V.SubbaRao	❖ Prof. D.Narasimha Murthy
❖ Prof. V.RamaMohanRao	❖ Prof.V.S.Rao	❖ Prof. G. Rama Krishna Rao
❖ Prof M.G. Ramaiah	❖ Prof. V. SreehariRao	❖ Prof. B.Krishna Gandhi
❖ Prof.A.Rama Krishna Prasad	❖ Prof. Shahnaz Bathul	
Head of the Department		
	Prof. M. A. Srinivas	From: 06-05-2011
		To: till date

Faculty Profiles

Name of the Faculty	Designation	Qualifications
Regular Faculty		
Dr. M. A. Srinivas	Professor	M.Sc, Ph.D, M.Tech
Dr. B. Ravindra Reddy	Associate Professor	M.Sc., M.Phil., Ph.D
Dr. V. Srinivasa Kumar	Assistant Professor	M.Sc., M.Phil., Ph.D
Contract Faculty		
Dr. B. Shankar Goud	Assistant Professor (C)	M. Sc, M. Tech, B.Ed, Ph. D
P. Megaraju	Assistant Professor (C)	M. Sc
Dhanalakshmi Naidu	Assistant Professor (C)	M. Sc
V. Madhu Kumar	Assistant Professor (C)	M. Sc
Non Teaching Staff		
B. Swapna	Programmer	B. Tech
R. Neelima	Attender	10 th Class



Dr. M.A. Srinivas

M.Sc (A.U), M.Tech ,Ph.D (A.U),

Professor & Head of the Department

Prof M. A. Srinivas is currently heading the Department of Mathematics. He is Chairperson, Board of Studies (BOS) of Mathematics, JNTUH College of Engineering, Hyderabad. He is member of BOS of Mathematics for JNTU Hyderabad and many autonomous colleges of engineering and technology of the states Telangana and Andhra Pradesh.

Research interests include Differential Equations, Mathematical Modeling. He guided 6 students for Ph.D and 3 for M.Phil. Presently he is guiding 4 students. He Published 31 research papers in peer reviewed journals of national and international standard. He has 27 years of teaching and research experience. He has done Post Doctoral Research, at ICTP, Italy.

He was member of academic senate of Andhra University during 1988-90. He acted as panel member for several universities in the process of selection/ recruitment of teaching positions. He is member of Board of studies of several Autonomous Colleges. He is life time member of various professional organizations viz; Indian Mathematical Society and I S T E. He is a Panel member for A.P Maths Forum, formed by Rajiv Vidya mission, Govt. of A.P. He was member of book selection committee of District Grandhalaya Samstha. He was a resource person to the training program conducted by N I T T T R ,Hyderabad .

His present current activities are:

- Contributing for the advancement of basic knowledge among students in pure and applied mathematics
- Applying mathematical concepts to biological / ecological sciences.
- He had completed a research project funded by U G C.



Dr. V. Srinivasa Kumar

M.Sc (OU), M.Phil(ANU), Ph.D (ANU)

Assistant Professor

His research interests include Real Analysis, Topology, Functional Analysis, Fixed Point Theory And Algebra. He has 18 years of teaching and research experience. He has Published 36 papers in various national and international reputed journals. He Qualified **CSIR-UGC NET** examination for Lectureship. He guided 1 student for Ph.D. He is presently guiding 2 Ph.D students. He did a few courses at various universities like Central University of Hyderabad and TIFR Bangalore etc. He is a Life-Time member of Andhra Pradesh Society for Mathematical Sciences and Calcutta Mathematical Society.

Courses offered in the Department

List of courses in the A. Y. 2020-21

Sl. No	Course Name	Offering Year & semester
1	Mathematics – I	B. Tech I year I sem (for all branches except Chemical Engineering)
2	Engineering Mathematics	B. Tech I year I sem (for Chemical Engineering)
3	Mathematics- II	B. Tech I year II sem (for all branches except Chemical Engineering)
4	Applied Mathematics	B. Tech I year II sem (for Chemical Engineering)
5	Probability and Statistics	B. Tech II Year I Sem (for CIVIL Engineering)
6	Engineering Mathematics – III	B. Tech II year I sem (For Mechanical, Metallurgical and Chemical Engineering Branches)
7	Mathematics - III	B. Tech II year I sem (for EEE)
8	Computer Oriented Statistical methods	B. Tech II year II sem (for CSE)
9	Mathematics - III	B. Tech II year II sem (for ECE)

Paper Publications in A. Y. 2020-2021

Sl. No	Name of the Faculty	No. of Journals in A. Y. 2020-21
1	Prof. M. A. Srinivas	5
2	Dr. B. Ravindra Reddy	3
3	Dr. V. Srinivasa Kumar	3
4	Dr. B. Shankar Goud	17
5	P. Megaraju	2
	Total:	30

Prof. M. A. Srinivas

1. NP Kumar, KS Reddy, **MA Srinivas**, K Acharyulu, A Mathematical Analysis of the SIR model with Holling type II Functional Occurrence Rate and Treatment Rate, Annals of the Romanian Society for Cell Biology, 1522-1533, 1 2020
2. S Hariprasad, **MAS Srinivas**, N Phanikumar, Analysis of Ecological model with Diffusion reaction and Holling type Functional Response, Annals of the Romanian Society for Cell, Biology, 1534-1547, 1 2020
3. N Subadra, **MA Srinivas**, SD Purohit, Mathematical approach to study heat and mass transfer effects in transport phenomena of a non-Newtonian fluid, AIP Conference Proceedings 2269 (1), 060006, 2 2020
4. NPK S Hariprasad , **M A S Srinivas**, Three Species Epidemiological Model with Holling Type Functional Responses, INTERNATIONAL JOURNAL OF MATHEMATICAL MODELS AND METHODS IN APPLIED SCIENCES ... 2020
5. **M A S Srinivas** AND NP K . SIVAREDDY, Mathematical study of SEIR model with functional rates of incidence and treatment, Malaya Journal of Matematik 8 (4), 1953-1960, 2020

Dr. B. Ravindra Reddy

- 1 G. Ranjith Kumar, K. Lakshmi Narayan, Karuna BNR and **B. Ravindra Reddy**, Optimal Control an SIR Epidemic Model under Saturated Treatment Function, Bull. Cal. Math. Soc., 112, (1) 19-30, 2020.
- 2 M. Sridevi, **B. Ravindra Reddy**, Stability Analysis of Tumor and Immune System Interactions with Treatment, Jour of Adv Research in Dynamical & Control Systems, ISSN 1943-023X, Vol. 12, No.8, 2020.
- 3 M. Sridevi, **B. Ravindra Reddy**, Dynamics of an SIS Epidemic Model with Double Epidemic Hypothesis, International Journal of Ecology & Development, ISSN 0973-7308 (Online), Vol. 35, No.4, 2020.

Dr. V. Srinivasa Kumar

1. G. Gangadhar, Dr.K. SharathBabu& **Dr.V.Srinivas Kumar**, Numerical Process to Solve Two -Point Boundary Value Problems, Journal of Engineering, Computing and Architecture, Vol.10, 5, 127-135, 2020
2. R.Pandurangarao, **V. Srinivasa Kumar** and A. Prabhukumar, Rough Vague Ideals in a Ring, Journal for the Study of the Research, Vol.12, 3, 30-42, 2020
3. R.Pandurangarao, **V. Srinivasa Kumar** and A. Prabhukumar, L-Vague Normal L-Semirings of L-Semirings, A Journal Of Composition Theory, Vol.13, 1, 740-751, 2020

Dr. B. Shankar Goud

1. **B. Shankar Goud**, Y. Dharmendar Reddy, V. Srinivasa Rao, Zafar Hayat Khan “Thermal radiation and joule heating effects on a magnetohydrodynamic Casson nanofluid flow in the presence of chemical reaction through a non-linear inclined porous stretching sheet”, Journal of Naval Architecture and Marine Engineering, 7(2), 2020, pp.143-164. <http://dx.doi.org/10.3329/jname.v17i2.49978>

2. **B.ShankarGoud**, P Bindu, Pudhari Srilatha, Y. Hari Krishna “ The Joule heating effect on MHD natural convective fluid flow in a permeable medium over a semi-infinite inclined vertical plate in the presence of the chemical reaction”, IOP Conf. Series: Materials Science and Engineering 993 (2020) 012111 [.doi:10.1088/1757-899X/993/1/012111](https://doi.org/10.1088/1757-899X/993/1/012111).
3. M.AnilKumar, Y. DharmendarReddy,B.ShankarGoud,V. SrinivasaRao, Effects of Soret, Dufour, Hall current and rotation on MHD Natural convective heat and mass transfer flow past an accelerated vertical plate through a porous medium;, International Journal of Thermofluids,19 December 2020, 100061,<https://doi.org/10.1016/j.ijft.2020.100061>.
4. **B.Shankar Goud**, Pudhari Srilatha, P. Bindu, and Y. Hari Krishna “Radiation effect on MHD boundary layer flow due to an exponentially stretching sheet”, Advances in Mathematics: Scientific Journal, 9(12), 2020, pp.10755–10761. DOI: <https://doi.org/10.37418/amsj.9.12.59>.
5. **B. Shankar Goud**, P. Pramod Kumar, Bala Siddulu Malga “Effect of Heat source on an unsteady MHD free convection flow of Casson fluid past a vertical oscillating plate in porous medium using finite element analysis”, Partial Differential Equations in Applied Mathematics Volume 2, December 2020, 100015. <https://doi.org/10.1016/j.padiff.2020.100015>.
6. **B. Shankar Goud** “Heat Generation/Absorption influence on steady stretched permeable surface on MHD flow of a micropolar fluid through a porous medium in the presence of variable suction/injection”, International Journal of Thermofluids, vol.7-8 (2020) 100044. <https://doi.org/10.1016/j.ijft.2020.100044>.
7. **B. Shankar Goud**, K. Sudhakar Reddy, P. Suresh M.V. Ramana Murthy “Numerical solution of free convective stratified fluid flow over an infinite vertical porous plate with hall effect”, International Journal of Mechanical and Production Engineering Research and Development, Vol. 10, Issue 3, Jun 2020, 10019–10030.
8. P. Pramod Kumar, **B. Shankar Goud**, Bala Siddulu Malga “Finite element study of Soret number effects on MHD flow of Jeffrey fluid through a vertical permeable moving plate”, Partial Differential Equations in Applied Mathematics, 1 (2020) 100005. <https://doi.org/10.1016/j.padiff.2020.100005>
9. **B. Shankar Goud**, D Mahendar, and M. N. Raja Shekar “Thermal radioactive influence on MHD free convection flow across a porous medium in a vertical surface with temperature”, AIP Conference Proceedings 2246, pp. 020081-7 (2020); <https://doi.org/10.1063/5.0014524>.
10. **B. Shankar Goud**, Pudhari Srilatha, Someshwar Siddi, Amraj Srilatha “Effects of thermal radiation on MHD free convection flow past a vertical porous plate in the presence of chemical reaction- FEM”, Journal of Critical Reviews, 7(18), 2020, pp. 2600-2609.
11. Hari Singh Naik, **B. Shankar Goud**, P. Suresh, M. V. Ramana Murthy “Suction/injection effects on free convective fluid flow over a moving vertical porous plate with variable time”, Journal of Critical Reviews, 7(18), 2020, pp. 1324-1328.
12. **B. Shankar Goud** “Thermal Radiation Influences on MHD Stagnation Point Stream over a Stretching Sheet with Slip Boundary Conditions”, International Journal of Thermofluid Science and Technology (2020), 7(2), Paper No.070201.

13. **B. Shankar Goud.**, Pudhari Srilatha., Dr.K.Ramesh Babu., L.Indira “Finite element approach on MHD flow through porous media past an accelerated vertical plate in a thermally stratified fluid”, Journal of Critical Reviews,7(16),2020,pp.69-74. (Scopus).
14. **B. Shankar Goud** and Dharmendar Reddy Yanala “Radiation and magnetic field effects of free convective flow over a linearly moving permeable vertical surface in the presence of suction”, Journal of Xi'an University of Architecture & Technology, Page No: 2696-2701,12(5), 2020. <https://doi.org/10.37896/JXAT12.05/1677>.
15. Hari Singh Naik, **B.Shankar Goud**, P. Suresh, M. V. Ramana Murthy “Radiation and Hall Effect on MHD mixed convection of Casson fluid over a stretching sheet”, International Journal of Advanced Science and Technology Vol. 29, No. 7, (2020), pp. 1121-1131.
16. **B. Shankar Goud**, Kotagiri Srihari, M V Ramana Murthy., FDM and FEM correlative approach on unsteady heat and mass transfer flow through a porous medium”, Journal of Xidian University, 14(4), 2020, pp:2144-2153.
17. **B. Shankar Goud** ,Dharmendar Reddy Yanala “Heat source effect on MHD Fluid flow over a moving vertical plate in the presence of chemical reaction with convective surface boundary conditions” Journal of Engineering, Computing and Architecture, 10(1), 2020, Page No: 38-46.

P. Megaraju

1. Megaraju P., Siva Reddy Sheri, Raja Shekar M.N., “Transient MHD flows through an exponentially accelerated isothermal vertical plate with Hall effect and chemical reaction effect: FEM,” *Partial Differential Equations in Applied Mathematics*, 4, 2021, 100047, <https://doi.org/10.1016/j.padiff.2021.100047>
2. Siva Reddy Sheri, Megaraju Peesu, Rajashekar Mamidi Narsimha, “Hall current, chemical reaction, and radiation results on transient magnetohydrodynamic flow past an inclined plate: FEM,” *Heat Transfer*, 2021, 1–24, DOI: 10.1002/htj.22379

Conferences in A. Y. 2020-2021

Sl. No	Name of the Faculty A. Y. 2020-21	No. of Conferences in
1	Prof. M. A. Srinivas	1
	Total:	1

- 1) Prof. M.A. Srinivas: **International Conference on Advances in Applicable Mathematics**, organized by the Department of Mathematics, Bharatiar University, Coimbatore, 2020

Workshops/ Seminars/ FDPs/ Conferences attended in A. Y. 2020-21

Sl.no	Name of the Faculty	Nature of the Event	Title of the Event	Date(s)	Venue
A. Y. 2020-21					
1	Prof. M. A. Srinivas	International Conference	International Conference on Advances in Applicable Mathematics	21st & 22 February, 2020	Department of Mathematics, Bharatiar University, Coimbatore-641046
2	Prof. M. A. Srinivas	National Conference	29 th congress of Andhra Pradesh, Telangana society for mathematical sciences, Conference on “Mathematics and its applications”	3 rd -5 th Dec, 2020	Mahathma Gandhi University, Nalgonda
3	Prof. M. A. Srinivas	FDP	Laplace Transforms and its Applications	22 ND June 2020	Mallareddy Institute Of Technology and Science
4	Prof. M. A. Srinivas	FDP	Fluid Dynamics	23 RD June 2020	Manipal University, Jaipur
5	Prof. B. Ravindra Reddy	FDP	Ensuring Universal Human Values through Education	19 th – 23 rd October 2020	Vardaman College of Engineering, Hyderabad
6	Prof. B. Ravindra Reddy	FDP	National Level one week Faculty Development Program on Research Methodology	26 th April to 1 st May, 2021	Kamla Nehru Mahavidyalaya, Nagpur
7	Dr. V. Srinivasa Kumar	FDP	Modern online tools and software for remote teaching and E-content development	4 th – 6 th August, 2020	JNTU, Hyderabad
8	Dr. V. Srinivasa Kumar	FDP	Teaching Mathematics effectively in online Mode: various ICT tools and softwares	9 th August, 2020	Tech Edu Teacher
9	Dr. B. Shankar Goud	FDP	National level faculty development program on LATEX	1 st -5 th June 2020	CMR Engineering College
10	Dr. B. Shankar Goud	FDP	Taxonomy of Softwares related to mathematical sciences	9 th -14 th June 2020	Gokaraju Rangaraju Institute of Engineering and Technology
11	Dr. B. Shankar Goud	FDP	Importance of Mathematics in Science and Technology	25 th -29 th June 2020.	GMR Institute of Technology, Rajam, AP, India

12	Dr. B. Shankar Goud	Webinar	Fluid Dynamics	23 rd June 2020	Manipal University Jaipur
13	Dr. B. Shankar Goud	FDP	Multidisciplinary Approach towards Emerging trends in Science & Humanities	1 st – 5 th June, 2020	Ramachandra College of Engineering, Eluru
14	Dr. B. Shankar Goud	Webinar	How to Improve teaching Skills	4 th June 2020	MLR Institute of Technology
15	P. Megaraju	Webinar	Basic Author workshop Research Article Writing and Reference Management using Mendeley	22 nd June, 2020	Annamalai university
16	P. Megaraju	Webinar	Modelling and Simulation of Fluid Flows using Partial Differential Equations	25 th June, 2020	CMR Engineering College, Hyderabad
17	P. Megaraju	Webinar	National Webinar in Mathematics and Statistics	24 th June 2020	University College for Women, OU
18	P. Megaraju	Webinar	How to Improve teaching Skills	24 th June 2020	MLR Institute of Technology
19	P. Megaraju	FDP	International FDP on “Importance of Mathematics in Science and Technology”	25 th - 29 th June 2020.	GMR Institute of Technology, Rajam, AP
20	Dhanalakshmi Naidu	FDP	Mathematical modeling & simulation (In association with ISTE)	25 th to 30 th June 2020	M.V.S.R. Engineering College, Hyderabad
21	Dhanalakshmi Naidu	FDP	Role of Machine Learning & Data Sciences in AI	28th June to 2nd July 2020	(MGIT), Hyderabad
22	Dhanalakshmi Naidu	FDP	International FDP on “Importance of Mathematics in Science and Technology”	25 th - 29 th June 2020.	GMR Institute of Technology, Rajam, AP
23	V. Madhu Kumar	FDP	International FDP on “Importance of Mathematics in Science and Technology”	25 th - 29 th June 2020.	GMR Institute of Technology, Rajam, AP
24	V. Madhu Kumar	Webinar	How to Improve teaching Skills	24 th June 2020	MLR Institute of Technology

25	V. Madhu Kumar	Webinar	National Webinar in Mathematics and Statistics	24 th June 2020	University College for Women, OU
26	V. Madhu Kumar	Webinar/ FDP	National Level FDP On “Mathematical Modelling and Simulation”	25 th – 30 th June 2020	MVSR Engineering College, Hyderabad
27	Dr. B. Shankar Goud	FDP	Applications of Mathematics in Science and Engineering	5 Days/ 7 th - 11 th July, 2020	Vishnu Institute of Technology : Bhimavaram
28	Dr. B. Shankar Goud	FDP	FDP on “Applications of Mathematics in Engineering”	Two Days 3 rd and 4 th July 2020.	Mahatma Gandhi Institute of Technology (MGIT), Hyderabad
29	Dr. B. Shankar Goud	FDP	Applications of Mathematics in Engineering	27 th – 31 st July, 2020	KPR Institute of Engineering and Technology, Coimbatore
30	Dr. B. Shankar Goud	FDP	Recent Advance in Mathematics & Statistics	7days/ 3 rd -8 th Aug, 2020	Gitam University Department of Mathematics, Vishakhapatnam, AP
31	Dr. B. Shankar Goud	FDP	An Introductory Course on Fluid Dynamics	4days/ 17 th - 20 th Aug, 2020	Department of Mathematics, CHRIST (Deemed to be University), Bangalore
32	Dr. B. Shankar Goud	FDP	Application of Mathematics in Engineering(Series-IV)	4Days/ 25 th -28 th Aug, 2020	KPR Institute of Engineering and Technology , Coimbatore
33	Dr. B. Shankar Goud	FDP	Relevance of Mathematics to Core Engineering Sciences	7days/ 12 th -16 th Oct, 2020	Mahatma Gandhi Institute of Technology, Hyderabad
34	Dr. B. Shankar Goud	Workshop	“Science Academies” Lecture workshop on Linear Transformations, Matrices and their Applications-2020	6Days/ 2 nd -7 th Nov, 2020	Sri Venkateshwara University, Department of Mathematics, Tirupathi.
35	Dr. B. Shankar Goud	FDP	Applications of Mathematics and Statistics in Engineering (AMSE-2020)	5 days/ 23 rd - 27 th Nov, 2020	Malla Reddy Engineering College(Autonomous)
36	Dr. B. Shankar Goud	FDP	Modern online tools and software for Remote Teaching and e-Content Development	3Days/ 04 th - 06 th Aug, 2020	JNTUH College of Engineering Hyderabad
37	P. Megaraju	Webinar	National Webinar on “Numerical and Scientific Computing”	One Day 1 st July 2020	Department of Mathematics and Statistics, School of Basic Sciences, Manipal University Jaipur

38	P. Megaraju	FDP	FDP on “Applications of Mathematics in Engineering”	Two Days 3 rd and 4 th July 2020.	Mahatma Gandhi Institute of Technology (MGIT), Hyderabad
39	P. Megaraju	Webinar	National Level Webinar on “Exploration of Physical Science and Engineering with Mathematica”	One Day 6 th July 2020	Department of Basic Sciences and Humanities, Gayatri Vidya Parishad College for Degree and PG Courses
40	P. Megaraju	Webinar	Nation Webinar on “Applications of Mathematics for Engineers”	Two Days 4 th and 5 th July 2020	Department of Science and Humanities, Bharat Institute of Engineering and Technology, Hyderabad
41	P. Megaraju	FDP	One Week International Online Faculty Development Programme On Applications of Mathematics in Science & Engineering	One Week 7 th - 11 th July, 2020	Department of Basic Science (Mathematics), Vishnu Institute of Technology, Bhimavaram, W. G. District, Andhra Pradesh,
42	P. Megaraju	FDP	One Week Online Faculty Development Programme On Exploring Innovations in Mathematical Sciences	25 th June – 1 st July 2020	Sathyabama Institute of Science and Technology
43	Dhanalakshmi Naidu	Webinar	Applications of Mathematics in Engineering	3rd and 4th July 2020.	Mahatma Gandhi Institute of Technology (MGIT), Hyderabad
44	Dhanalakshmi Naidu	FDP	Applications of Mathematics in Science and Engineering	7th to 11th July, 2020	Vishnu Institute of Technology, Bhimavaram.
45	Dhanalakshmi Naidu	Webinar	Recent Advances in Pure & Applied Mathematics (RAPAM)	10th & 11th July, 2020	Narajole Raj College, Narajole : Paschim Medinipur
46	V. Madhu Kumar	FDP	FDP on “Applications of Mathematics in Engineering”	Two Days 3 rd and 4 th July 2020.	Department of Mathematics & Humanities, Mahatma Gandhi Institute of Technology (MGIT), Hyderabad
47	V. Madhu Kumar	FDP	FDP on “MATLAB” and its applications	One day 5 th July, 2020	Department of Mathematics Aurora’s Degree and PG College
48	V. Madhu Kumar	Webinar	Nation Webinar on “Applications of Mathematics for Engineers”	Two Days 4 th and 5 th July 2020	Department of Science and Humanities, Bharat Institute of Engineering and Technology, Hyderabad

49	V. Madhu Kumar	FDP	One Week International Online Faculty Development Programme on Applications of Mathematics in Science & Engineering	One Week 7 th - 11 th July, 2020	Department of Basic Science (Mathematics), Vishnu Institute of Technology, Bhimavaram, W. G. District, Andhra Pradesh, An Autonomous Institute Permanently Affiliated to JNTUK.
50	V. Madhu Kumar	FDP	Faculty Development Programme on Algebra and Analysis	Two Day 16 th and 17 th July 2020	Department of Mathematics CA , Vellalar College for Women (Autonomous), Erode-12
51	V. Madhu Kumar	FDP	Faculty Development Program on “Applications of Mathematics in Engineering”	Six Days 20 th – 25 th July 2020	Department of Mathematics, KPR Institute of Engineering and Technology (Autonomous) Avinashi Road, Arasur, Coimbatore-641407
52	V. Madhu Kumar	FDP	Faculty Development Program on “Recent Advances in Mathematics and Statistics”	One Week 3 rd – 8 th August 2020	Department of Mathematics, Institute of Science and Centre for Learning and Sustainability, GITAM (Deemed to be University), Vishakhapatnam, AP
53	V. Madhu Kumar	FDP	3-Day TTT Program on Modern Online Tools and Software for Remote Teaching and E-Content Development	Three Days 4 th -6 th August 2020	JNTUH-CEH and Internal Quality Assurance Cell (IQAC) Under TEQIP III.
54	V. Madhu Kumar	FDP	5-Day Online Faculty Development Program on Applications of Mathematics and Statistics in Engineering (AMSE-2020)	Five days 23 rd – 27 th Nov, 2020	Department of Mathematics, Malla Reddy Engineering College(Autonomous), Secunderabad

Books Published by the faculty in. A. Y. 2020-21

S. No	Name of the Faculty	Title of the Book	Publisher	ISBN Number
6	Dr. B. Ravindra Reddy	Differential Equations	Spectrum University Press	978-93-83640-36-2
7	Dr. B. Ravindra Reddy	Linear Algebra and Calculus for Engineers	Seven Hills International Publishers	978-93-83640-20-1

Ph.D s awarded by the faculty in. A. Y. 2020-21

Sl. No	A. Y	Year of award	Supervisor Name	Student Name	Title of the Research Topic
1	2020-21	2021	Dr. B. Ravindra Reddy	V. Vidya Sagar	Numerical Methods for Singularly Perturbed Differential – Difference Equations
TOTAL					1

Research Projects in A. Y. 2020-21

S. No	Name of the Principal Investigator(s)	Title of the Project	Duration of the Project	Year	Sanctioned Agency	Amount
1	Prof. M. A. Srinivas Co - PI	Peristaltic transport of nano fluids	1 year	2020	TEQIP III - CRS	2,00,000/-
2	Prof. M. A. Srinivas Co - PI	Dynamics of certain non linear systems in epidemiology	1 year	2020	TEQIP III - CRS	2,00,000/-

Professional Bodies / Memberships of the faculty

Sl. No	Name of the faculty	Name of the Organization	Membership
1	Prof. M. A. Srinivas	The Indian Mathematical society	Life Member
2	Prof. M. A. Srinivas	Indian Society of Theoretical and Applied Mechanics	Life Member
3	Prof. B. Ravindra Reddy	The Indian Society for Technical Education	Life Member
4	Prof. B. Ravindra Reddy	Andhra Pradesh Society for Mathematical Sciences	Life Member
5	Dr. V. Srinivasa Kumar	Andhra Pradesh Society for Mathematical Sciences	Life Member



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