LABORATORIES IN THE DEPARTMENT : Computer lab

Ph.D's awarded: 74	**POST DOCTORAL FELLOWSHIP : 01**
DEPARTMENT PROJECTS: 2	**FELLOWSHIPS: 13**

CONFERENCES / WORKSHOPS ORGANIZED: 07

EXTENSION OUTREACH ACTIVITIES CONDUCTED BY THE DEPARTMENT:

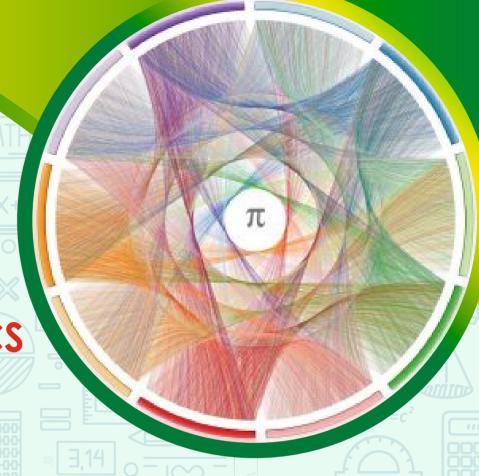|	
Pi day on 14th March every year	National Mathematical Day on 22nd December every year
Teacher's day celebrations on 5th September every year	Women's day celebrations on 8th March every year
Clean and Green Program	Blood donated by Students
Sports and Games	

DEPARTMENT OF
MATHEMATICS

VISION :

- Imparting quality mathematical education and inculcating the spirit of research through the innovative teaching and Research methodologies.
- To achieve high standards of excellence in generating and propagating knowledge in Mathematics
- To provide an environment where students can learn, become competent users of Mathematics and understand the use of Mathematics in other disciplines.

MISSION :

- To emerge as a global centre of learning academic excellence and innovative research.
- To pursue collaborative programs with highly reputed National and International institutions.

ABOUT THE DEPARTMENT

The Department of Mathematics of Sri Venkateswara University was one among the first six departments started in September1954. The department had the good fortune of being lead by the renowned Indian Mathematician Prof. R. Vaidyanatha Swamy followed by Prof. M.V. Subba Rao, Prof. D.P. Banerjee, Prof. K. Sitaram and Prof. P.V. Arunachalam. The department has made many studies and established a multi-dimensional growth in the fields of Algebra, Number theory, Geometry, Graph theory, Approximation theory, Forecasting, Fluid Dynamics, Differential Equations and Theoretical Computer Sciences

HEAD OF THE DEPARTMENT : Prof. D. BHARATHI

Obtained first rank in M.Sc., qualified NET in 1995.She is awarded Ph.D., in Algebra under the guidance of Prof K.Suvarna from Sri Krishna Devaraya University, Anathapuramu. Areas of Research Interest are Algebra and Graph theory. She has 26 Years of Teaching and Research Experience, guided 5 M.Phil's and 14 Ph.D.'s, 79 papers, 1 Chapter in ISBN published in reputed national & International journals, participated and presented papers in 60 National & International Conferences and attended 11 workshops. Associate Fellow of A.P Academy of Sciences Teachers of Excellency award by SVU college of sciences, SVU. General Secretary of Andhra Pradesh & Telangana Society for Mathematical Sciences. Executive Council member of APTSMS. Organized 2 National Conference in the department. Organized 3 International and 3 National Conferences as General Secretary of APTSMS. Deputy Coordinator of UGC SAP-DRS-II project in the Dept of mathematics. Member of Professional bodies such as IMS, APTSMS, ISCA, RMS and CMS. Member of Subject expert committee APSCHE. Member of Academic Senate Committee, SVU. BOS member for various universities such as VSU, Nellore, National Sanskrit university, Tirupati. KVR Govt.Degree College ,Silver Jubilee Govt.Degree College, Cluster University Kurnool, Dr. B.R. Ambedkar University, Srikakakulam, Krishna University, Machilipatnam, IIIT, Idupulapaya. etc. Question paper setter for civil services of Odisha and PSC of Assam, Doctoral Committee member of VIT Vellore. Associate editor of magazine of APTSMS. Examiner of Dept. of Mathematics &Statistics, University of West Indies. Organized seminars and symposia as Deputy director of Dr. B.R. Ambedkar Studies center, SVU, Warden of SVU women's Hostels. Served as BoS Chairperson Department of Mathematics SVU, at present HoD, Department of Mathematics SVU.

BOS : PROF. V. SUGUNAMMA

Achieved first rank in M.Sc, Applied Mathematics in 1991 and M.Phil in 1993, PhD in the field of fluid dynamics from Sri Krishnadevaraya University, Anantapur in 1997 under the supervision of Prof.D.V.Krishna, A.P, 27 years of Teaching, Research experience and guided 7 M.Phils, 13 PhDs, Pursuing 7PhDs Published 124 papers, National(16) & International Journals(108), Participated, presented in national, international conferences(66),workshops(15), Acted as Chairperson in conferences(21), Organized 4 national and 1 international conferences, Delivered lectures as resource person, Member of Professional bodies – APSMS,ISCA ,IMS, RMS, Asia Pasific Cbees, Hong Kong MAX Academy for Excellence, Editorial member of Global journal of Engineering and Applied Sciences, Blue Ocean Research journals, Reviewer for reputed journals like Elsevier, Springer, JAFM, Served as coordinator for Self Supporting MSc Applied Mathematics (2009-2012), UGC Refresher course(2017), Treasurer for women teachers association, Member of Inspection committee of (affiliated colleges-SVU), Anti-ragging committee, Advisory Committee,SVU, Doctoral Committee for VIT,Vellore, Research Review Meeting (RRM),YVU, BOS Chairperson forVSU,Nellore, PVKN,Chittoor, SVU,Tirupati, BOS member for SPMVV, SKU, Central University of Karnataka, KSRM, YVU, Thiruvalluar University, GITAM, NBKR, Subject expert for University Interview such as YVU, Madras University, JNTUK, Tiruvalluvar University, JNTUA, Question paper setter for AUSET, Tata Consultancy, PhD viva voce examiner for Bharathiyar University, Rayalaseema University, Aadhikavi Nannaya University, GITAM, Achieved awards such as Associate Fellow(2017), Bharat Vikas award(2017), Distinguished women in science(2019), A.P.J. Abdul Kalam award for Teaching Excellence(2019), Distinguished Scientist(2019), Outstanding Scientist Award(2021), Fellow(2021), Best Woman Researcher Award(2022), Outstanding Woman Educator and Scholar Award(2022), Teacher of Excellency (2022), SVUCS, SVU, Received State Universities Best Teacher Award 2022 from CM of A.P., served the department as BOS Chairperson (2018-2020), Head (2020-2022). At present serving as Coordinator (UGC-SASP-DRS-II), BOS Chariperson, in the department of Mathematics.

Dr. C. Jaya Subba Reddy completed M.Sc., degree in Mathematics in 2003 (Sri Krishnadevaraya University, Anantapur) and awarded Ph.D., (Mathematics) on the topic "Right Alternative Rings". Appointed as Assistant Professor inthe Department of Mathematics, Sri Venkateswara University in July 2007 and Associate Professor from July 2019. Area of Research: Algebra and Graph Theory. He has 19 years of research and 15 years of teaching experience. He organized 12 National and International events. He published 125 research papers in National and International Journals and attended for 163 National and International seminars, conferences and workshops.Authored 4books. Under his guidance 11 Ph.D's and 10 M.Phil. degrees were awarded and 1 Ph.D. degree was submitted. He served as member in the Sri Venkateswara University Consumer's Co-op. Stores Ltd., membership in professional bodies: Andhra Pradesh and TelanganaSociety for Mathematical Sciences, Indian Mathematical Society, Indian Society for Probability and Statistics, Association of Mathematics Teachers of India, Seventh Sense Research Group Journals, International Association of Engineers and International Research Journal of Pure Algebra.Other Positions were also held such as Editorial Board Member 25, Review Board Member 6, Associate Editor 2, Advisory board Member 3. He received the Best Paper Award-2016 for Research Article (Title: Prime Near rings with generalized Jordan Derivations), the Rajiv Gandhi Excellence Award-2015(For Outstanding performance in the field of Education), the Bharat Jyothi Award-2014 (For Meritorious Services, Outstanding Performance and Remarkable Role) and the Shiksha Rattan Puraskar-2014 (For Outstanding Services, Achievements & Contributions).He is External Member of Board of Studies (P.G) in Mathematics, AcharyaNagarjuna University,Guntur;Member in Board of Studies (University Nominee) in DRW College (Autonomous College),Guduru,Nellore Dist.,A.P.; Member in Board of Studies (University Nominee) in Sri Ramakrishna Degree & P.G College , (Autonomous College), Nandyal, Kurnool Dist.,A.P.; Board of Studies Member of SVU, Tirupati; Member in "Fund for Improvement of science and Technology" (FIST) and DST; Doctoral committee member of VIT University, Vellore, TamilNadu; Executive Council Member of APSMS;Executive Council Member of Faculty Club, SVU, Tirupati; Research Supervisor in Rayalaseema University, Kurnool; Research Supervisor in JNTU, Anantapurum,Deputy Warden in SVU College of Sciences Hostel for Men(June-2016 to July-2018), Tirupati; General Secretary of Andhra Pradesh &Telangana Society for Mathematical Sciences (APTSMS).

Dr. A. Sudhakaraiah obtained Ph.D in Mathematics from Sri Venkateswara University, Tirupati and carrying out research in all areas relating to Graph theory and Algebra etc. He has guided 16 Ph.D scholars and 12 M.Phils. Scholars. He published about 99 research papers in international journals and he participated about 78 conferences national and internationals. He also served 7different co-ordinators and member ships of ISCA,IAO.IAENG,IMS,APSMS, Nominated Member of Editorial Board in Glacier Journal of Scientific Research, Ahmadabad. He got the awards, Bharat GauravPuraskar award-2019, Global India Excellence Achievement Award – 2021, Adarsh Vidya Saraswati rashtriya puraskar – 2022 with Gold Medal, S.V.U, Tirupathi, Co-Ordinator, Unnat Bharat Abiyan Cell from 26/8/ 2017 to till date S.V.U, Tirupati,Co-Ordinator, Skill Development from 03/04/2017 to till date S.V.U, Tirupati, Special officer UG & PG exams from 11/10/2019 to till date S.V.U Tirupati.,Co-Ordinator, Teaching Establishment From 24.09.2020 to till date S.V.U Tirupati, Co-Ordinator, Information System Audit From 24.09.2020 to till date S.V.U Tirupati., Co-ordinator, campus beautification from 25/06/2021 to till date S.V.U, Tirupati, Liason officer for SC Cell from 25/06/2021 to till date S.V.U, Tirupati, NAAC steering committee member from 25/06/2021 to till date S.V.U, Tirupati.

COURSES OFFERED:
M.Sc., Mathematics - Regular, M.Sc., Applied Mathematics - Regular
Ph.D (Full time and Part time)

CURRICULUM DETAILS FOR M.SC., MATHEMATICS		CURRICULUM DETAILS FOR M.SC., APPLIED MATHEMATICS	
SEMESTER	**TITLE OF THE PAPER**	**SEMESTER**	**TITLE OF THE PAPER**
Semester – I Mathematics	Algebra	Semester – I Applied Mathematics	Methods of Applied Mathematics
	Real Analysis		Real Analysis
	A) Ordinary Differential Equations B) Linear Algebra		A) Ordinary Differential Equations B) Viscous Flows
	A) Numerical Methods B) Lattice Theory		A) Numerical Methods B) Boundary Value Problems
	Complex Analysis		Complex Analysis
	Discrete Mathematics		Discrete Mathematics
	Audit Course-I		Audit Course-I
Semester –II Mathematics	Galois Theory	Semester –II Applied Mathematics	Mathematical Modeling
	Partial Differential Equations		Partial Differential Equations
	A) Topology B) Semi Group Theory		A) Topology B) Magneto Hydro Dynamics
	A) Advanced Complex Analysis B) Non-linear Analysis		A) Advanced Complex Analysis B) Non-linear Analysis
	Measure and Integration		Measure and Integration
	Mathematical Statistics		Mathematical Statistics
	Audit Course-II		Audit Course-II
Semester – III Mathematics	Commutative Algebra	Semester – III Applied Mathematics	Continuum Mechanics
	Functional Analysis		Functional Analysis
	A) Differential Geometry B) Algebraic Coding Theory		A) Differential Geometry B) Mathematical Methods
	Classical Mechanics		Classical Mechanics
	MAT-LAB		MAT-LAB
	A) Business Mathematics - I B) Fundamentals of Mathematics Statistics		A) Business Mathematics - I B)Fundamentals of mathematics Statistics
Semester –IV Mathematics	Number Theory	Semester –IV Applied Mathematics	Number Theory
	Banach Algebra		Fluid Dynamics
	A) Graph Theory B) Approximation Theory		A) Graph Theory B) Approximation Theory
	Operations Research for Industry and Community Development		Operations Research for Industry and Community Development
	Computer Oriented Numerical Methods		Computer Oriented Numerical Methods
	A) Business Mathematics -II B) Basic Mathematics for social sciences		A) Business Mathematics -II B) Basic Mathematics for social sciences

ACADEMIC CONSULTANTS

Dr. T. Mahesh Kumar	Dr. K. Ramakrishna	Dr. B. Kumaraswamy Achari	Dr. V. Vasu
Dr. Y. Rajesh Yadav	Dr. R. L. V. Renuka Devi	Dr. Yennapusa. Swapna	Dr. E. Hemalatha