

About Bhavan's Vivekananda College of Science, Humanities and Commerce

Bhavan's Vivekananda College of Science, Humanities and Commerce was established under the aegis of Bharatiya Vidya Bhavan, on 2nd of August, 1993 with 131 students. Since inception, the college has been strongly promoting the ideals of the Bhavan, by providing education blended with a strong foundation of the fundamental values of life. The college offers undergraduate programmes in Physical sciences, Lifesciences, commerce, Mass communication and Business administration as well as 5 post graduate programmes (Computer Science, Microbiology, Biochemistry, Business administration and Commerce). Currently, 2 doctoral programmes are offered in Microbiology and Biochemistry. The curriculum of the courses is designed to cater to the growing needs of industry and society. The college also strives to raise the intellectual and moral standards of the students.

The college has been accredited with 'A' grade by NAAC in 2012 and granted autonomy by the UGC in 2015. The sprawling, vibrant campus has a peaceful atmosphere conducive to not only teaching and learning, but also to the development of the future citizens of our country.

About Mathematics & Statistics

The Department of Mathematics and Statistics offers courses for MECS, MPCS, and MSCS programs, along with an Honours Degree in Data Science. The department also teaches interdisciplinary Mathematics and Statistics courses for BBA, BCA, MBA, and M.Sc. Computer Science students. It is supported by a team of 11 dedicated and highly qualified faculty members committed to academic excellence. Three faculty members have been honored with the prestigious Best Teacher Award by the Telangana State Government. The department actively encourages students to participate in conferences, seminars, workshops, paper presentations, and research publications. Faculty members continuously update their knowledge through research, training programs, and professional development activities. Through its strong focus on teaching, research, and innovation, the department prepares students for higher education and successful careers.

Principal

Dr. GSVRK Choudary

HOD

Dr. G. S. Mini, Department of Mathematics & Statistics

Coordinator

Dr. Santi Rohit Rao



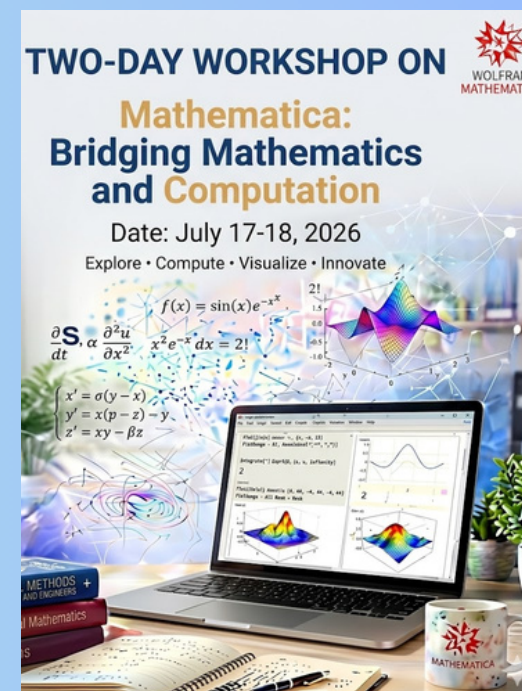
BHAVAN'S VIVEKANANDA COLLEGE
of Science, Humanities & Commerce

Sainikpuri, Secunderabad-500094
Autonomous College, Affiliated to O.U
Reaccredited with 'A' grade by NAAC

A TWO - DAY WORKSHOP ON
MATHEMATICA: Bridging
Mathematics and Computation
(Hybrid Mode)

17th and 20th July 2026

Organised by Department of
Mathematics and Statistics



Sponsors:



About the Workshop

The Department of Mathematics and Statistics, Bhavan's Vivekananda College of Science, Humanities & Commerce is organizing a Two Day Workshop on "MATHEMATICA: Bridging Mathematics and Computation" from 17-07-2026 and 20-07-2026. This workshop aims to equip mathematics faculty members and students with practical knowledge of Mathematica for teaching, learning, and research. The workshop will cover fundamental to intermediate-level computational techniques, including symbolic and numerical computations, graphical visualization, matrix operations, differential equations, and mathematical modeling. It will enable participants to integrate computational tools into undergraduate mathematics courses and explore research-oriented applications such as simulation, data analysis, and scientific visualization.

The workshop is expected to enhance both pedagogical effectiveness and research capabilities of faculty and students.

Topics to be Covered

- Introduction to Mathematica
- Symbolic Computation
- Numerical Computation
- Visualization and Graphics
- Programming in Mathematica
- Applications in Mathematics and Research

Course Outcomes

At the end of the workshop, participants will be able to:

- Demonstrate proficiency in using the Mathematica environment and its core computational tools.
- Perform symbolic and numerical computations relevant to undergraduate and postgraduate mathematics courses.
- Generate high-quality 2D and 3D visualizations for effective classroom teaching and research presentations.
- Develop Mathematica programs for solving mathematical problems involving algebra, calculus, linear algebra, and differential equations.
- Integrate computational techniques into mathematics teaching and utilize Mathematica for enhancing research productivity and scholarly publications.

Resource Persons



Mr. Venugopal Parasuraman
Aaryaman Geo Info Solutions
Pvt Ltd
Wolfram Mathematica Launch
Associate (India 2000)
Long-Serving Reseller &
Product Support Specialist



Prof. J.V. RAMANA MURTHY
Professor (HAG)
Department of Mathematics
NIT Warangal



Dr. P. Aparna
Associate Professor &
Head,
Department of
Mathematics
& Management Sciences.
VNR VJIET, Hyderabad



Dr. P. Raja Shekar
Assistant Professor
Department of
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Management Sciences.
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Dr. M. Pavan Kumar Reddy
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