

Dr. Ambedkar Institute of Technology, Bangalore 560 056
Requirements for the web page

Department of Mathematics

About the Department (Brief Profile of the department):

The Department of Mathematics was established in the year 1980 and teaches Mathematics and its applications to the students of UG & PG programs. The department currently headed by Dr. C. E. Nanjundappa, has evolved from humble beginnings into a team of thirteen (13) highly qualified, experienced and dedicated faculty members out of which eight (8) are doctoral degree holders and five (5) are pursuing Ph.D degree. The committed and sincere efforts of the faculty members have translated into consistent and excellent performance of the students in the internal and semester end examinations. The department also identifies students who need extra mentoring in Mathematics and conducts remedial classes in order to enhance their performance.

The department of Mathematics has a well-established research center which is recognized by VTU and has produced 42 Doctorates till date. Fifteen (15) research scholars are currently pursuing their Doctoral degree in the center. Till date the Department has published 42 papers in National and 269 papers in peer reviewed International Journals. The faculty and the research scholars have also presented more than 150 research papers in National/International Conferences. The Department obtained Award for Best Research Publication from VGST, Government of Karnataka during 2011-12 and 2018-2019 and best paper presentation awards in several National/International conferences. External Funding to the tune of Rs. 7.0 Lakhs has been sanctioned by VTU and VGST for two research projects.



Name of HoD and Qualification: Dr. C. E. Nanjundappa, M.Sc; Ph.D

Designation: Professor and Head

Mobile Number: 8762600979

Email Id: nanjundappace.mat@drait.edu.in

UG Programme


VISION

The department of mathematics envisages to be a centre of excellence in mathematics through vigorous engagement in teaching, research and training.

MISSION

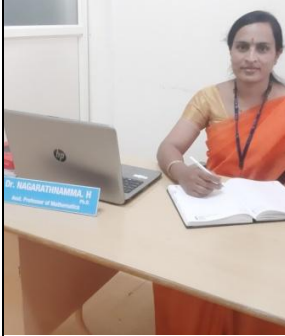

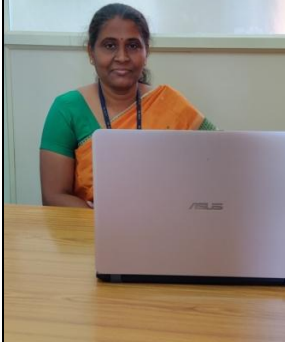
- To transform the budding engineers into competent and motivated professionals with sound theoretical and practical knowledge in mathematics.
- To engender post graduate students with strong foundation and motivation to opt for research and development as a carrier.
- To create an atmosphere conducive to high class interdisciplinary research and to produce researchers with strong analytical skills and vision who can in future become experts in various areas of research in mathematics.
- To contribute to the development of the nation through teaching, research and training.


List of Faculty members

Sl. No	Name of the Faculty	Designation	Specialization	Experience	E-mail id	Mobile Number	Passport Size Photo
1	Dr. C. E Nanjundappa	Professor and Head	Fluid Mechanics	33	nanjundappa.mat@drait.edu.in	8762600979	

2	Dr. R. Murali	Professor	Graph Theory	30	muralir296 8.mat@dr-ait.edu.in	9844259313
3	Dr. B Sooryanarayana	Professor	Graph Theory	31	dr_bsnrao @dr-ait.org	9844236450
4	Dr. Jayalakshmi M	Associate Professor	Graph Theory	23	jayalakshmi.m@dr-ait.org	9448843444
5	Dr. Padma M M	Assistant Professor	Graph Theory	13	padma.mat@dr-ait.edu.in	9482018891



6	Dr. Nagarathnama H	Assistant Professor	Fluid Mechanics	10	nagarathna mma.h@dr-ait.org	9481781018	
7	Ms. Prabhavati G Angadi	Assistant Professor	Differential Geometry	12	prabhavatia ngadi@dr-ait.org	8147412216	
8	Dr. Sunitha Kulkarni	Assistant Professor	Graph Theory	15	sunitha.kul karni@dr-ait.org	9481017400	
9	Mrs. Ashwini R	Assistant Professor	Fluid Mechanics	08	ashwini.r@ dr-ait.org	9742337139	

10	Mrs. Pavithra A	Assistant Professor	Fluid Mechanics	07	pavithra.a@dr-ait.org	8494969821	
11	Dr. Shivaprasanna G.S.	Assistant Professor	Differential Geometry	14	shivaprasanna.mat@drait.edu.in	9964622475	
12	Mrs. Savitha Y.L	Assistant Professor	Fluid Mechanics	10	savithayl.mat@drait.edu.in	8147541289	
13	Ms. Bhavya S	Assistant Professor	Fluid Mechanics	06	sbhavya.mat@drait.edu.in	9632702246	

List of BoS Members

S.No	Name of the Member	Organization	Designation
1	Dr. C. E. Nanjundappa	Professor, Department of Mathematics, Dr AIT, Bengaluru-560 056	Chairman
2	Dr. R. Murali	Professor, Department of Mathematics, Dr AIT, Bengaluru-560 056	Member
3	Dr. B. Sooryanarayana	Professor, Department of Mathematics, Dr AIT, Bengaluru-560 056	Member
4	Dr. Jayalakshmi M	Associate Professor, Department of Mathematics, Dr AIT, Bengaluru-560 056	Member
5	Dr. Pandurangappa C	Professor & Head, Department of Mathematics, University B.D.T. College of Engineering, Davanagere-577004	VTU Member
6	Dr. A. S. Vasudeva Murthy	Professor, TIFR Centre for Applicable Mathematics, Sharadanagar, Chikkabommasandra, Yelahanka, Bengaluru-560 065	Member
7	Dr. B. M. R. Prasanna	Professor, Department of Mathematics, Siddaganga Institute of Technology, Tumkur 572103	Member
8	Dr. Srinivasa. G	Professor and Head, Department of Mathematics, New Horizon College of Engineering, Bengaluru- 560103	Member
9	Dr. Sudhir Prakash Srivastava	Professor and Head, Department of Mathematics, Institute of Engineering and Technology, Dr Rammanohar Lohia Avadh University, Ayodhya, UP-224001	Member

Syllabus

(One pdf file for each Program, include all the schemes in the same file)

Infrastructure Details

Applied Mathematics Lab

- ❖ 06 Nos. i7 Computer desktops
- ❖ 03 LaserJet printers
- ❖ Hitachi-LED projector
- ❖ 02 Nos. UPS-APC model
- ❖ MATHEMATICA 12.0 Software package
- ❖ Origin 16.0 Software package

Applied Mathematics lab for R & D activities is equipped with Intel i7 computer system, several advance software packages such as Mathematica-12.0 and Origin 16 sanctioned under VGST, VTU and TEQIP-3 research grants scheme of Rupees 15 lakhs.





Publications (in numbers)

Year	National Journals	International Journals	National Conferences	International Conferences
2019-20	Nil	52	Nil	10
2018-19	Nil	38	Nil	Nil
2017-18	01	29	Nil	Nil

R&D Projects

S.No	Scheme	Title of the Project	Funding Agency	Sanctioned Amount
1	2016-17	Investigation on Stability problems of Thermo Capillary Effects in Magnetic Nanofluid and Dielectric Fluid Layer Heated From Below	VGST	3.00 lakh
2	2014-15	Thermomagnetic Convection in Magnetic Nanofluids under Microgravity Effects in Space Processing	VTU	4.00 lakh

VTU Research Centre Details

S.No	Name of Research supervisor	Area of Specialization	No of Ph.Ds awarded	No. of Research Scholars pursuing
1	Dr. C. E. Nanjundappa	Fluid Mechanics	08	07
2	Dr. R. Murali	Graph Theory	15	03
3	Dr. B. Sooryanarayana	Graph Theory	18	02
4	Dr. Jayalakshmi M	Graph Theory	01	01
5	Dr. G. S. Shivaprasanna	Differential Geometry	00	02

Events Organized by the Department



National Conference organized by the department & its participants