Registration Form

(Photocopy may be used if required)

Name (in BLOCK letters):_____

_____

Department:_____

Permanent Address:_____

_____

_____

Name of the College:_____

_____

E mail id :_____

Contact Number:_____

Declaration:

The information furnished above is true to the best of my knowledge.

Date:

Place: Signature of the Applicant

Mr./Ms./Dr._____

is an employee of our institute. He/She will be permitted to attend the programme if selected in virtual mode.

Date:

Place:

Signature & Seal
HOD/Principal

or

Kindly fill Registration using Online Google Form using the link given below:

https://forms.gle/g5HdVuVfmUpvgVmf9

Chief Patron

Dr. T. Venkat Vardhan, President, GVET

Mr. Rahoul Kengal Vardhan, Vice President, GVET
Mr. Rohahn Kengal Vardhan, Vice President, GVET

Patron

1. Dr. Syed Ariff, Principal
2. Dr. Shenoy H.G, Vice Principal
3. Prof. Ruckmani Divakaran, Dean Academics

Organising chair

Dr. Manjunatha C, HOD Mathematics

Organising committee

1. Dr. Kalyana Kumar S, Professor
2. Prof. Sandhya K G, Assistant. Professor
3. Prof. Anand N, Assistant. Professor
4. Prof. Maria Florita L, Assistant. Professor
5. Prof. Samreen Sultana M, Assistant. Professor
6. Prof. Shashank R, Assistant. Professor

Note:

1. No registration fee
2. The participants have to send scanned copy of the Registration forms to the Email Id: florita@drttit.edu.in / shashank@drttit.edu.in or they can fill on-line registration form attached.
3. The participants are required to join using the Microsoft Teams ten minutes before for each session.
4. 75% attendance is mandatory to get e-certificate.
5. The participants can use chat box for their queries.
6. The participants have to fill feedback forms given through link after completion of every session.

Golden Valley Educational Trust

Dr. T. THIMMAIAH INSTITUTE OF TECHNOLOGY

Approved by AICTE, Govt. of India, New Delhi
Affiliated to Visvesvaraya Technological University, Belagavi.
Accredited by NBA (CSE, ECE, EEE, ME & MNE Programs)
Accredited by NAAC with 'A' Grade
Oorgaum, Kolar Gold Fields - 563120

Five Days National Level Online Faculty Development Programme on "Advanced Mathematical Frameworks for Nonlinear Dynamics, Modelling and Geometric Analysis in the Era of Artificial Intelligence"

16th to 20th Feb 2026

Organised by

DEPARTMENT OF MATHEMATICS

About the Institute

Dr. T. Thimmaiah Institute of Technology (Formerly Known as Golden Valley Institute of Technology - GVIT) was started in the year 1986 at Kolar Gold Fields by Dr. T. Thimmaiah, Ph.D. (London), IAS (Retired), as the founder President under the aegis of Golden Valley Educational Trust, with the sole purpose of imparting quality technical education.

. Dr. T. Thimmaiah Institute of Technology is affiliated to Visvesvaraya Technological University (VTU) - Belagavi, Karnataka and is approved by the All-India Council for Technical Education (AICTE) - New Delhi, accredited by NBA & NAAC 'A 'Grade and at present offers BE Courses in Engineering as given below. It has under graduate courses in, Mechanical Engg, Electrical& Electronics Engg ,Mining Engg , Computer Science & Engg, Electronics & Communication Engg and CSE(AI & ML).

About the Department

The Department of Mathematics at DR. TTIT came into existence in 1986 along with the institute. The department has well qualified and experienced faculty dedicated to teaching and research. Faculty are actively involved in research in the frontier fields of Mathematics such as Fluid Mechanics, Graph theory & Number theory. Over the years, the department has played a vital role in strengthening analytical thinking and problem-solving skills among students. It offers a supportive academic environment with experienced faculty and a well-designed curriculum.

Objectives of the FDP

The Faculty Development Programme intends to fulfill the following objectives:

- To develop an understanding of nonlinear dynamical systems and their transformative role in modern mathematics, particularly in the context of artificial intelligence and complex systems.
- To equip participants with analytical skills in mathematical modelling of real-world problems using linear algebraic techniques and advanced methods such as the Homotopy Analysis Method for solving nonlinear differential equations.
- To introduce advanced concepts in geometric analysis, with particular emphasis on Ricci solitons, and promote their integration into interdisciplinary research and research-oriented teaching practices.

Outcomes of the FDP

After completion of the FDP, participants will be able to:

- **Apply** concepts of non-linear dynamics and linear algebra to **model and analyze real-world systems** relevant to Artificial Intelligence.
- **Implement** the Homotopy Analysis Method to **solve nonlinear differential equations** arising in mathematical and engineering problems.
- **Analyze and evaluate** Ricci solitons and **explain their significance** in geometric analysis and advanced mathematical research.

Important dates

Last date for Registration: 13/02/2026

Date of confirmation: 14/02/2026

Microsoft Teams link for attending all the session will be shared in WhatsApp group before start of session

Note: All Participants are requested to join in the **WhatsApp group** using the link after registration.

FDP Schedule:

Date Time	Topic	Speaker
16. 02.26 11:00 AM To 12:30 PM	**Inauguration** followed by the session Non- Linear Dynamics	**Dr. Madhukar K** Professor, Department of Mathematics BMSCE Bangalore
17. 02.26 11:00 AM To 12:30 PM	Transforms Mathematics in the Age of Artificial Intelligence	**Prof. Purushotham P** Assistant Professor Department of AI & DS SEA College of Engineering and Technology, Bangalore
18. 02.26 11:00 AM To 12:30 PM	Mathematical Modelling of Real-World Systems Using Linear Algebra	**Dr. K Meenakshi** Professor, HOD Department of Mathematics CMRIT, Bangalore
19. 02.26 11:00 AM To 12:30PM	Homotopy Analysis Method for solving nonlinear Differential Equations	**Dr. Sungantha Devi K** Assistant Professor Department of Mathematics Bangalore University
20.02.26 11:00 AM To 12:30 PM	Introduction to Ricci solitons and their role in geometric analysis Session followed by **Valedictory**	**Dr. Gurupadavva Ingalahalli** **Prof. Anil SC** Assistant Professor Department of Mathematics JNNCE, Shimoga