



# BMS INSTITUTE OF TECHNOLOGY & MGMT.

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## Department of Mathematics

Date: 02-01-2017

To  
The Principal  
BMSIT,  
Bangalore

Respected Sir,

**Sub:** Report of the Three-day Faculty Development Programme on “ICT & Modeling in Applied Mathematics” held from 30th January to 1st February, 2017.

The three-day Faculty Development Programme on “ICT & Modeling in Applied Mathematics” organized by the department of Mathematics is held from 30th January to 1st February, 2017. The three days had 51 registered participants belonging to various organizations in and around Bangalore. A number of faculty members and students attended the various sessions out of interest, without registering.

Dr. Jojy Joseph Idicula proposed the welcome address during the inaugural function. Dr. G. D. Veerappa Gowda, Dean, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, Bengaluru has delivered keynote address on the topic Partial Differential equations and some of its applications and also delivered a talk on Applications of Hamilton-Jacobi equations in Shape from Shading. Dr. Chethan A. S. proposed the vote of thanks.

Mr. Antony started the next session with the introduction to Scilab followed by simple numerical calculations, built-in functions, Matrices, vectors, plotting on the first day. On the second day he continued with functions, solving ordinary & simultaneous differential equations followed by the initial and boundary value problems using Scilab.

Dr. A. S. Vasudev Murthy, Professor, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, Bengaluru has delivered a talk on the string equation of Narasimha with the brief history of partial differential equations and also gave an insight to some mathematical models.

On the third day of the FDP, Dr. G.B. Marali, Professor & Head, Department of Mathematics BVBCET, Hubli, explained the importance of ICT using an open source software namely geogebra

and conducted hands on sessions on the use of Geogebra software in classroom teaching. By taking examples he demonstrated the Calculus concepts, Numerical techniques, Fourier series expansion, Conformal transformations & tracing of curves etc. through visualization.

All sessions were very informative and enjoyable. Using simple and interesting examples the concepts was made understandable for all present by giving enough time for the participants. The presence of the resource person throughout the day enabled participants to interact and clarify their various queries in the subject and related areas.

The workshop concluded with a valedictory session during which participants gave their feedback and certificates were distributed. The participants in their feedback were highly appreciative of the session.



