



**AVIT**  
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S  
RESEARCH FOUNDATION**  
(Deemed to be University under section 3 of the UGC Act 1956)



## A REPORT ON

### **Workshop on “Mathematical Applications in Computer Science Engineering” On 23 –11 – 2022**

Mathematics Division of Humanities and Science along with Computer Science engineering department organized a workshop on “**Mathematical Applications in Computer Science Engineering**” on 23<sup>rd</sup> November 2022 at 9.30 am at the digital room, AVIT, Dr. BASKAR BABUJEE, Associate Professor Anna University, MIT Campus, Chennai was invited as the Chief Guest. Dr. Jennifer G Joseph, Professor & Head, Humanities & Science delivered a Welcome Address. The Chief Guest was introduced by Dr.L.TamilSelvi, Professor, Department of Mathematics. Dr. J. Jagadeesan, Professor, Head/CSE felicitated the gathering. In the Felicitation Address, he advocated the role of Mathematics in sustainability of their career even after getting employed. Then the Chief Guest started the session, initially with the application of modular arithmetic in encryption, and he introduced graph theory and demonstrated “Encryption through graph labeling techniques” through complete graph on  $k_9$  vertices. Then he started the session on “Topological indices of molecular graphs and drug design”. Here he covered how the Characteristic polynomial and eigenvalues are used to measure the energy of molecules and how the stability of drugs are measured with the help of graph theory. Finally he gave some references for the emerging fields on study on use of graph theory and showed some references on drug designing for cancer treatment as well. Around 50 Students from third year computer science engineering were participated and interacted well. Finally a vote of thanks was delivered by Dr. M.Thamizhsudar, Assistant Professor of Mathematics (Gr-II).



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## EVENT BROCHURE



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**AVIT**  
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Cordially invites you all for the Workshop on

### Mathematical Applications in Computer Science Engineering

23<sup>rd</sup> Nov 2022

Time : 09.30 a.m.

Digital Room

#### Resource Person



**Dr. J. Baskar Babujee**

Associate Professor, Department of Applied Sciences and Humanities,  
Anna University, MIT Campus, Chennai

#### In the presence of

Dr. G. Selvakumar  
Principal, AVIT

Dr. S.P. Sangeetha  
Vice-Principal (Academics), AVIT

Dr. J. Jagadeesan  
Professor and Head, CSE, AVIT

Dr. L.Prabhu  
Vice-Principal (Admin), AVIT

Dr. Jennifer G Joseph  
Head, H&S, AVIT

Event Convener : Dr. L. Tamilselvi, Head, Maths Division, H&S

Organized by : Department of Humanities and Sciences &  
Department of Computer Science Engineering



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## EVENT GALLERY



GPS Map  
Camera Lite

M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude  
12.6569078°

Longitude  
80.1794139°

Local 09:47:04 AM  
GMT 04:17:04 AM

Altitude 9.52 meters  
Wednesday, 23.11.2022

Note : AVIT, Paiyanoor



GPS Map  
Camera Lite

M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude  
12.6568472°

Longitude  
80.1794395°

Local 09:48:12 AM  
GMT 04:18:12 AM

Altitude 9.52 meters  
Wednesday, 23.11.2022

Note : AVIT, Paiyanoor



GPS Map  
Camera Lite

M54H+HM8, Pattipulam, Tamil Nadu 603104, India

Latitude  
12.6568127°

Longitude  
80.1794558°

Local 09:54:55 AM  
GMT 04:24:55 AM

Altitude 9.52 meters  
Wednesday, 23.11.2022

Note : AVIT, Paiyanoor



GPS Map  
Camera Lite

M54H+WMM, Karunguzhipallam, Tamil Nadu 603104, India

Latitude  
12.657161°

Longitude  
80.1792708°

Local 09:55:14 AM  
GMT 04:25:14 AM

Altitude 9.52 meters  
Wednesday, 23.11.2022

Note : AVIT, Paiyanoor