

### **Registration Form**

Faculty Development Programme on  
Numerical Linear Algebra and Partial Differential  
Equation

Sponsored by  
**APJ Abdul Kalam Technological University**  
Organized by  
**Department of Science and Humanities,  
Ahalia School of Engineering and Technology,  
Palakkad**

Name:  
Designation:  
Qualification:  
Department:  
Organization:  
Address:  
Mobile:  
Email:  
Signature:

### **Certificate**

Mr./Ms./Dr.....

.....is here by sponsored to attend the Faculty Development  
Programme on Numerical Linear Algebra and Partial Differential  
Equation from 05 to 07 December 2018.

Place: Signature of  
Date: Authority with seal

### **Objectives**

The course will enable a participant to gain a practical knowledge of modern computational techniques for numerical solution of Linear Algebra problems and Partial Differential Equations using MATLAB as vehicle for computation. The course consist of a unified presentation of computation, analysis of basic algorithms and the numerical techniques

### **Topics**

1. Linear Algebra
2. Wavelet Transform
3. Machine Learning
4. Partial Differential Equations
5. Computational Fluid dynamics
6. Numerical Methods
7. MATLAB

### **Resource Persons**

1. Dr. K. Murugesan (NIT, Trichy)
2. Dr. Sarath Sasi (IIT, Palakkad)
3. Dr. Chandrashekar Lakshminarayanan  
(IIT, Palakkad)
4. Dr. Lakshmi Sankar K. (IIT, Palakkad)
5. Dr. Niranjana H (VIT, Vellore)
6. Dr. Palanisamy T. (Amrita University, CBE)
7. Dr. Sukanta Nayak (Amrita University, CBE)
8. Dr. Ram Mohan (FCRI)-Kanjikode
9. Dr. G. Muruganath (ASET, Palakkad)

### **Target Participants**

Faculties of Engineering Colleges, affiliated to APJ Abdul Kalam Technological University, who desire to pursue PhD and have the passion to excel in advanced mathematics.

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On  
Numerical Linear Algebra and  
Partial Differential Equation

05, 06 & 07 December 2018

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**APJ Abdul Kalam  
Technological University**



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**Department of Science and Humanities**



### **Advisors**

Dr. Usha Titus IAS (VC, In-charge), KTU  
Dr. V.Praseeda Lekshmi, JD, Academics, KTU  
Dr. P.R. Sreemahadevan Pillai, Director,  
Ahalia Group of Institutions,AHHKV  
Dr. Krishna Kumar Kishor, Asst.Director Academics

### **Coordinators**

Dr.Binoy Balan K  
Professor and Head  
Dept. of Science & Humanities.

Prof.Vignesh D  
Asst. Professor  
Dept. of Science & Humanities.

### **Address for Correspondence**

Coordinators  
FDP on Numerical Linear Algebra and Partial  
Differential Equation  
Department of SCIENCE & HUMANITIES  
Ahalia School of Engineering and Technology,  
Palakkad-678557

Email: [hodsh@ahalia.ac.in](mailto:hodsh@ahalia.ac.in),  
[vignesh.d@ahalia.ac.in](mailto:vignesh.d@ahalia.ac.in),

Mobile: 9020990466 & 8300108556

### **Important Dates**

Last Date for submitting applications: 26/11/2018

Workshop Date: 05/12/2018 to 07/12/2018

### **Registration**

#### **No Registration Fee**

Apply through the filled registration form to the coordinators by sending scanned copy or hard copy. Admission will be based on first come first serve basis.

### **Ahalia Health, Heritage & Knowledge Village**

Ahalia Health, Heritage & Knowledge Village is a project of Ahalia International Foundation located in an exotic region of Palakkad at the foot of Western Ghats amid breath taking valleys, verdant paddy fields and the dense herbal gardens, away from the din and bustle of city life. Ahalia Health, Heritage & Knowledge Village, one of the biggest campus in the country, offers a perfect blend of nature and technology. The campus is situated 5 kms off the National Highway between Kanjikode and Walayar in Kerala. Coimbatore International Airport is at 1 hour drive (50 kms) and Palakkad(Palghat) Junction railway station is 20 kms away from the campus.

Ahalia Health, Heritage & Knowledge Village is an integrated campus consisting of Ahalia Foundation Eye Hospital, Ahalia Ayurveda Medical College & Hospital, Ahalia Diabetes Hospital, Ahalia Children's Hospital, Ahalia Medicine Manufacturing Unit(Ayurveda), Ahalia childrens Village, Ahalia Heritage Village, Ahalia School of Management, Ahalia School of Optometry, Ahalia School of Engineering & Technology, Ahalia School of Pharmacy, Ahalia School of Paramedical Sciences, Ahalia Public School, IIT Palakkad and many more.

### **Ahalia School of Engineering & Technology**

Ahalia School of Engineering & Technology (ASET) was established in the year 2012. The college is located in a lush green campus to the beautiful view of the Western Ghats, and it provides a peaceful and congenial atmosphere, ideal for students for their overall holistic development. Ahalia School of Engineering & Technology offers five B.Tech. courses, that is complemented by various co-curricular and extra-curricular activities. ASET,

managed by Ahalia International Foundation, is approved by AICTE, New Delhi and affiliated to A.P.J. Abdul Kalam Technological University.

### **The Department**

The Department of Science and Humanities imparts basic knowledge in Physics, Chemistry, Mathematics, English and Management which is the cornerstone of the engineering discipline. The Department offers courses for various branches of Engineering from the first semester to eighth semesters. The Department has well-spaced Chemistry and Physics Laboratories equipped with most modern facilities and instruments that adds significance to the department.

### **Vision**

Grow as a Centre of learning and research, transforming students to professionals with knowledge, skill, competence, commitment, confidence and ethics to serve the society

### **Mission**

**M1-** To impart value-based education and promote curricular, co-curricular and extra-curricular activities amongst students through extensive theoretical and practical training by qualified and experienced personnel using state-of-the-art facilities

**M2-** To promote research and consultancy for institution development and contribution the society.