

All presented papers in the conference, only after peer review will be considered for publication in SCOPUS / Web of Science indexed journal with concessional page charges. Kindly Submit your papers through registration link.



## REGISTRATION FREE

### IMPORTANT DATES:

Submission of Full Paper	:	18 <sup>th</sup> November 2020
Notification of Acceptance	:	25 <sup>th</sup> November, 2020
Camera Ready Paper	:	28 <sup>th</sup> November, 2020
Conference Dates	:	2 <sup>nd</sup> -3 <sup>rd</sup> December, 2020



Registration link:  
<https://forms.gle/ywXHwR4njd6g2k936>

About The Conference:  
<https://www.kluniversity.in/math/default.aspx>

### LOCATION:

The KL Deemed to be University is located at Green fields, Vaddeswaram, Guntur Dist, Andhra Pradesh in a 100 acre green campus abutting Buckingham Canal about 9 km from Vijayawada railway station and bus stand. Vijayawada is located on the banks of river Krishna in the state of Andhra Pradesh. The city is well connected by National Highway and railways with Chennai (440km), Hyderabad (275km) and Visakhapatnam (385km). The city is the gateway for trains running from North to South India. Vijayawada is well connected by daily flights from the cities Visakhapatnam, Hyderabad, Chennai, Bangalore and Delhi.

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### CONVENER:

Dr. B. V. Appa Rao, Prof. & Head, Dept. of Mathematics, KLEF

### CO-CONVENERS:

Dr. Sateesh Kumar Deevi, Associate Prof., Dept. of Mathematics, KLEF  
Dr. W. Sridhar, Associate Prof., Dept. of Mathematics, KLEF

### ADVISORY COMMITTEE:

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Department of  
**Mathematics**



Two Day National e-Conference on

## Essence of Mathematics In Engineering Applications

(EMEA-2020)

On 2<sup>nd</sup> & 3<sup>rd</sup> December 2020



[www.kluniversity.in](http://www.kluniversity.in)

### ABOUT THE K L E F:

The Koneru Lakshmaiah Charities was established as a trust in the year 1980 with its official address at Museum road, Governorpet, Vijayawada and started KL College of Engineering in the Academic year 1980-81. The trust was converted into a Society by the name Koneru Lakshmaiah Education Foundation in the year 1996. The KL College of Engineering has attained autonomous status in the year 2006 and in February 2009, the Koneru Lakshmaiah Education Foundation Society was recognized as Deemed to be University offering academic programs at UG, PG, Doctoral and Post-Doctoral levels. The University is recognized by the All India Council for Technical Education (AICTE), New Delhi, has been accredited by the National Board of Accreditation (NBA), and is certified by ISO 9001-2015. It has been accredited by National Assessment and Accreditation Council (NAAC) with A++ grade with 3.57 CGPA on 4-point scale.

The vision of the institution is to be a globally renowned university and the mission is to impart quality higher education and to undertake research and extension with emphasis on application and innovation that cater to the emerging societal needs through all-round development of students enabling them to be globally competitive and socially responsible citizens with intrinsic values.

### ABOUT THE DEPARTMENT:

The department of Mathematics focuses on pure and applied mathematics catering to the professional needs of students of varied backgrounds. The department is offering courses for students majoring in Science, Engineering, Commerce and Business Administration. The department is offering M.Sc. Program in Applied Mathematics and Research Program leading to Ph.D.

### ABOUT THE CONFERENCE:

The purpose of this conference is an earnest attempt to create the right interface for the exchange and dissemination of new ideas and techniques among the young researchers in various fields of mathematical sciences. The program consists of plenary invited talks as well as contributed paper presentations on various technical aspects of different research areas. Mathematics plays a major role in engineering, physical, biological, economi-

cal, medical, computer science and real-world applications. It is ubiquitous in everyday world of software applications in routine engineering. All complex engineering problems are related to arithmetic with large size matrices being handled by computers. Mathematics turns the wheels of engineering analysis and design such as heat and mass transfer in steam power plants and car radiations; air flow in cooling fans; molten metal flows and mixing in weld pools, etc. From reliability in electric power system grids to traffic in networks, mathematics crosses boundaries in a way no other subject can.

### THE CONFERENCE WILL COVER THE FOLLOWING AREAS:

- ✓ Mathematical Applications in Engineering, Science & Technology
- ✓ Computational Fluid Dynamics (CFD)
- ✓ Stress Analysis of Machine Elements
- ✓ Reliability Engineering
- ✓ Mathematical Modelling of Engineering Systems
- ✓ Algebra, Fuzzy Logic and Applications
- ✓ Boundary Value Problems
- ✓ Numerical Methods for Engineers
- ✓ Number Theory and Networks
- ✓ Statistical Methods in Data Warehousing and Mining
- ✓ Applications of Linear Algebra
- ✓ Operations Research

The conference will consist of invited talks and paper presentations.

### FORMAT FOR SUBMISSION OF PAPER:

- ✓ Paper should not exceed 8 (eight) A4 Size sheets
- ✓ Font : Times New Roman
- ✓ Margins : Left = 1.5 Inch Right, Top & Bottom = 1.0 Inch
- ✓ Abstract: 11 Point Italic with single line spacing to be placed after title and other details.
- ✓ Key words : should not exceed 6 (six)
- ✓ Text : 12 Point normal justified Para heading: 12 Point Bold Sentence case Spacing = 1.5 lines Figures to be inserted in jpg Format.
- ✓ At least one of the authors is required to register and attend the conference for presenting the paper.
- ✓ Maximum number of authors is 4 (Four)
- ✓ E-mail of the corresponding author should be given.

### GALAXY OF RESOURCE PERSONS:



**Dr. PRADEEP G. SIDDHESHWAR**  
Professor, Dept. of Mathematics  
CHRIST University  
Bangalore



**Dr. NATESAN SRINIVASAN**  
Professor, Dept. of Mathematics  
IIT-Guwahati



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Professor, Dept. of Mechanical Engineering  
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Professor, Dept. of Mathematics  
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**Dr. B. V. APPA RAO**  
Professor & HOD  
Dept. of Mathematics, KLEF  
Convener, EMEA-2020