

About the University

The Gandhigram Rural Institute (GRI), founded by two dedicated disciples and contemporaries of Mahatma Gandhi, Dr.G.Ramachandran and Dr. T. S. Soundaram Ramachandran, has as its foundation Mahatma Gandhiji's revolutionary higher education philosophy of Nai Talim, which effectively bridges the cognitive and practical dimensions, and focuses on the holistic development of learners, with an emphasis on skill development through value-assured education, rooted in indigenous cultures and traditions. Since its establishment in 1956, GRI has been unstintingly contributing to the higher education through academic, research and community engagement targeting at integrated rural development. The pioneering services in higher education and rural development had earned GRI the status of Deemed University in 1976 by UGC. GRI was accredited the five-star status in 2002, 'A' Grade during the re-accreditation in 2010 and 'A' Grade in its third cycle of re-accreditation by NAAC in the year 2016.

About the Department

The Department of Computer Science and Applications, established in 1996, offers Master Computer Applications (M.C.A) and B.Sc. (Computer Science) leading to highly rewarding careers. The department also offers Ph.D in Computer Science and Applications to strengthen its research dimension. The thrust areas of research are Artificial Intelligence, Big Data Analytics, Cloud Computing, Digital Image Processing, Information Security, Internet of Things, Medical Image Segmentation & Analysis, Network Security and Parallel Computing. The department is a recipient of several sponsored research projects by UGC, ICMR, PMMMNMTT and DST. The department has received fund under UGC-SAP DRS-1 (Rs. 41 Lakhs) and DST-FIST Level-1 (Rs. 45 Lakhs). In addition, the department is also a proud recipient of UGC Indo-US 21st Century Knowledge Initiative Award in 2017. The department was also a Lead Zonal Partner of Leadingindia.ai, a nationwide prestigious project for promoting Artificial Intelligence skilling and research during 2018-2020. The mission of the department is to provide its students with the highest quality education and professional experiences, to achieve excellence in their career.

About the Conference

The International Conference on Advanced Computing Technologies for Innovative Solutions (ICACTiS 2023) aims to serve as a research forum for researchers, experts, academicians and industry professionals across the globe to

deliberate upon the new age technologies and their innovations. This conference will focus on the recent trends and applications in the broad spectrum of disciplines including Healthcare, Agriculture, Education, Logistics, Remote Sensing, Robotics and much more. The plenary sessions of (ICACTiS 2023) include keynote address by eminent international and national experts.

Objectives

The primary objectives of ICACTiS 2023 is to establish an effective platform to foster and disseminate knowledge on

- Recent advances in Computing Technologies.
- Novel applications and Innovative solutions using cutting-edge technologies.

This conference intends to create opportunities for budding researchers worldwide to explore the promising avenues of their research.

Thrust Areas

This conference will focus on the recent research innovations in the following areas, but are not limited to:

- ❖ Artificial Intelligence Models
- ❖ AI Applications
- ❖ Applied Mathematics
- ❖ Augmented / Virtual Reality
- ❖ Bio-informatics
- ❖ Blockchain Technology
- ❖ Big Data Analytics
- ❖ Cloud Computing
- ❖ Cognitive Intelligence
- ❖ Cyber Physical Systems
- ❖ Cyber Security
- ❖ Data Science
- ❖ Decision Support Systems
- ❖ Digital Image Processing
- ❖ Edge Computing
- ❖ Explainable AI
- ❖ Future Generation Networks
- ❖ Fuzzy Systems
- ❖ Grid Computing
- ❖ Geo Informatics
- ❖ Health Care
- ❖ High Performance Computing
- ❖ Internet of Things (IoT)
- ❖ Machine Learning
- ❖ Mathematical Modeling
- ❖ Multimedia
- ❖ Nano Technology
- ❖ Natural Language Processing
- ❖ Neural Networks
- ❖ Parallel Computing
- ❖ Pattern Recognition
- ❖ Remote Sensing
- ❖ Signal and Video Processing/ Analytics
- ❖ Simulation Modeling
- ❖ Soft Computing
- ❖ Software Engineering
- ❖ Robotics
- ❖ Wearable Devices

Call for Papers

ICACTiS 2023 includes plenary and invited lectures by renowned experts for their contributions in the thrust areas of the conference. The faculty members, scientists, research scholars, industry professionals and students are invited to present their original and unpublished research work on the thrust areas. The prospective authors should submit their research article through e-mail to icacts2023@gmail.com in the prescribed format on or before 30.01.2023.

Acceptance of the paper will be intimated through e-mail.

- At least one author of the accepted paper should register for the conference
- Only the registered papers of the extended abstract will be published in the conference proceedings with ISBN

Extended version of the presented papers will be published in a Scopus indexed journal based on the specialization (on extra payment)

Payment of Registration Fee

- Information on the mode of payment of **Registration Fees** is available in the conference website

Academicians	-	₹ 2000
Research Scholars	-	₹ 1500
Students	-	₹ 1000
Others	-	₹ 2000

- Registration fee includes the conference kit, proceedings, lunch and refreshments

Important Dates

Paper Submission Deadline	: 30.01.2023
Notification of Acceptance	: 10.02.2023
Registration & Camera-Ready Paper	: 01.03.2023
Conference Dates	: 16.03.2023 & 17.03.2023

Accommodation

- Accommodation will be provided on twin sharing basis at the Faculty Guest House on the first-come first-served basis at an extra cost
 - Non A/C Room - ₹ 300 per day per person
 - A/C Room - ₹ 1000 per day (two persons)
- Accommodation will be arranged only for the participants on prior request

Note: **Registration Forms** and **Paper Template** can be downloaded from the Conference Web link (<https://sites.google.com/view/icacts> or www.ruraluniv.ac.in)

Location

Gandhigram Rural Institute is located between Dindigul and Madurai on NH7 (12 kms South of Dindigul & 55 kms North of Madurai). It is well connected by road and rail.

Address for Correspondence

Dr. P. SHANMUGAVADIVU

Conference Chair, (ICACTiS 2023)

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Save Papers! Save Trees! Save Earth!



Organizing Committee

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International Conference on Advanced Computing Technologies for Innovative Solutions (ICACTiS 2023)

16th & 17th March 2023



Organized by
Department of
Computer Science and Applications

**The Gandhigram Rural Institute
(Deemed to be University)**

Ministry of Education (Shiksha Mantralaya), Govt. of India,
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