



MHRD-RUSA 2.0 "Biomaterials"

Functional Synthetic Materials for Biomedical Applications (Theme-2)

Department of Computer Science

University of Madras



Two Weeks Workshop on Analytical tools for Image Processing

Cordially invites you for the online Workshop on "Analytical tools for Image Processing"

Nanoinformatics on the role of Nano-HAp in cancer imaging, orthodontics and orthopedic: Schema and System Design

February 1 – 17, 2022 @ 4.00 P.M.—5.30 P.M. via ZOOM meet



Patron

Prof. S. Gowri, Vice Chancellor,
University of Madras



RUSA 2.0 Coordinator

Prof. Dr. N. Mathivanan, Registrar I/c,
University of Madras

Organizing PI's

Prof. PL. Chithra,
Prof. M. Sornam,
Assoc Prof. Dr. B. Lavanya,
Department of Computer Science
University of Madras

About Work Shop

The program aims at disseminating knowledge on recent trends in prediction tools, medical image processing, deep learning concepts, linear algebra, and statistical tools with case studies, with respect to cancer imaging, orthodontics, and orthopaedics. Resource persons are highly reputed eminent professors, industry persons from national and international level. Registration is free and certificate for the participants will be provided based on the attendance and online test at the end of the program.

Focus Areas of Workshop

- ◆ Nano Technologies
- ◆ Cancer imaging
- ◆ orthodontics and orthopedic
- ◆ Hands on practices in Python
- ◆ Nanoinformatics
- ◆ Hands-On Training on Predictive Analysis Tools and Case studies

Resource Persons

Eminent Speakers from Industry and Research Organizations and academicians from National and International reputed Institutions will handle the various sessions



MHRD-RUSA 2.0 "Biomaterials"

Functional Synthetic Materials for Biomedical Applications (Theme-2)

Department of Computer Science

University of Madras



Two Weeks Workshop on Analytical tools for Image Processing

Program Schedule

Day 1 Feb 1, 2022	Cancer Imaging and Therapy using Radio-isotopes Dr. S. Santhosh, M.D.(Nuclear Medicine), FEBNM., M.I.M.S.A Clinical Lead, Dept of Nuclear Medicine, Dr.Rela Institue and Medical Center	
Day 2 Feb 2, 2022	Comprehensive Cancer Care Through Biomedical Imaging Dr. D. Peter Augustin Computer Science, School of Science, Bangalore Central Campus	
Day 3 Feb 3, 2022	Respiratory Motion Prediction of Lung Tumor Using Artificial Intelligence Dr. J. Chandra Associate Professor, Department of Computer Science, Christ University,Bengalore	
Day 4 Feb 4, 2022	Computational Modelling of Cancer Genomics Data for Targeted Therapeutics Dr. G. Kumaresan Professor, Department of Genetics , Madurai Kamaraj University	
Day 5 Feb 5, 2022	Breast Cancer Image Classification using Deep Learning Hands-on Dr. M. Nachamai Specialist Research and Technology (Data and AI) Siemens Healthcare Private Ltd., Bangalore	
Day 6,7,8 Feb 7-9, 2022	Secure Network Analytics with Deep Learning and Transfer Learning Dr. T. Senthil Kumar Associate Professor,Computer Science and Engineering Department, Amrita School of Engineering, Ettimadai P.O	
Day 9,10 Feb 10-11, 2022	Dental Image Processing using Deep Neural Networks Dr.P.Shanmugavadivu Professor & Head, Computer Science and Applications, Gandhigram Rural Institute (Deemed to be University)	
Day 11 Feb 12, 2022	New technologies in Cloud for AI Mr. Shiva Thirumazhusai Founder and CEO Nasotech, an Innovative Technology Business Solutions	



MHRD-RUSA 2.0 "Biomaterials"




Functional Synthetic Materials for Biomedical Applications (Theme-2)

Department of Computer Science

University of Madras



Two Weeks Workshop on Analytical tools for Image Processing

<p>Day 12,13 Feb14-15, 2022</p>	<p>Stochastic Bio-Models Dr. S. Udayabaskaran Senior Professor, Department of Mathematics, Vel Tech Rangarajan Dr.Sagunthala R & D Institute of Science and Technology, Avadi</p>	
<p>Day 14 Feb16, 2022</p>	<p>Enhancing Performance of Deep Networks for Medical Image using Regularisers Dr. Kavitha Muthusubash Assistant professor, School of Information and Data Sciences, Nagasaki University, Japan</p>	
<p>Day 15 Feb17, 2022</p>	<p>Test, Feedback and Valedictory</p>	

System Requirements

- ◆ Participants need to get GPU based laptop or desktop for hands on practice
- ◆ Anaconda Distribution (Python 3.6 or higher) preferred preinstalled library

<p>Outcome of the Program</p> <p>The outcome of the program is to provide domain knowledge, explain processing techniques with hands on use cases, thereby to upgrade and incline the young minds to research.</p>	<p>Registration Free</p>	<p>Dates and Venue</p> <p>1st February 2022 to 17th February 2022 @ 4.00 P.M.—5.30 P.M. via ZOOM meet</p>
---	-------------------------------------	--

Contact us

Mail id: rusa2dcs2021.2023@gmail.com
Contact: 044- 22202906
Mobile: 9840928510

Registration Link: <https://forms.gle/XVbxdMjTREF4B18v9>