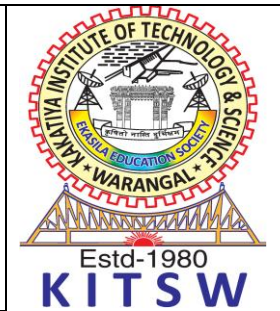




Electronics & ICT Academy
National Institute of Technology Warangal
FDP on "Artificial Intelligence & Machine Learning for Biomedical Signal and Image Analysis"
Department of Electronics and Communication Engineering
Kakatiya Institute of Technology and Science, Warangal - 506015 (TS)
(An Autonomous Institute under Kakatiya University, Warangal) (Accredited by NAAC with 'A' Grade)



27th JUNE, 2022 - 06th JULY, 2022
Schedule

Date & Day	Session-I (10.00am-12.00pm)		Session-II (02.00pm-04.00pm)	
27/6/22 MON	Inauguration (10.00 AM) Chief Guest Prof. Sudipta Mukhopadhyay Professor, Dept. of ECE, IIT Kharagpur	Prof. Sudipta Mukhopadhyay Professor, Dept. of ECE, IIT Kharagpur Topic: <i>Bayesian Learning – Gold Standard for Pattern Recognition</i>	Prof. K.. Ashoka Reddy Principal , KITSW Topic: <i>Biomedical Signals- Analysis and Processing</i>	Dr. M. Raghu Ram Associate Professor, Dept. of EIE, KITSW Topic: <i>Reduction of motion artifacts from pulse oximeter signals</i>
28/6/22 TUE	Prof.T.Kishore Kumar Professor, Dept. of ECE, NITW Topic: <i>Introduction to AI & ML in Health Informatics</i>	Smt. E. Vishnu Priya Assistant Professor, Dept. of CSE,KITSW Topic: <i>Medical Image Analysis using python</i>	BREAK	
29/6/22 WED	Dr. Jothi Prabha A, Associate Professor, Department of CSE-N, KITSW Topic: <i>State-of -the -art CNN architectures for image recognition</i>		Praful P. Pai, PhD MathWorks, India Topic: <i>Building and Deploying ML/DL Models for Biomedical Signal and Image Analysis</i>	
30/6/22 THU	Dr. Bikesh Kumar Singh Assistant professor & HoD, Biomedical Engg., NIT, Raipur Topic: <i>Medical image processing - Analysis of biomedical images for breast cancer</i>		Sri. J. Premkumar Sr. Application engineer, Capricott Tech. Hyderabad Topic: <i>Hands on usage of Signal Processing Toolbox of MATLAB</i> Dr. E. Hari Krishna Assistant Professor, Dept. of ECE, Kakatiya University Topic: <i>ML based ECG Signal Analysis and Classification</i>	

<p>01/7/22 FRI</p>	<p>Dr. M. Jagannath Senior Associate Professor, School of Electronic Engineering, Vellore Institute of Technology, Chennai</p> <p>Topic: <i>ML in Medical Applications and Exploratory Data Analysis</i></p>	<p>Dr. Ram Bilas Pachori Department of Electrical Engineering Associate Dean of Academic Affairs (UG Programme) IIT Indore, Simrol, Indore, India</p> <p>Topic: <i>Analysis and classification Methods for EEG signals.</i></p>		
<p>02/7/22 SAT</p>	<p>Sri. Satish Jadav Founder, Biokit (Industry), Mumbai</p> <p>Topic: <i>Time varying analysis of heart rate variability and example of Biosignals, AI and Data Science.</i></p>	<p>Prof. Sumohana S. Channappayya Professor, Dept. of Electrical Engg., IIT Hyderabad</p> <p>Topic: <i>Analysis and classification Methods for BioMedical applications</i></p>		
<p>03/7/22 SUN</p>	<p>Prof. T. Kishore Kumar Professor, Dept. of ECE, NITW</p> <p>Topic: <i>Case studies on AI & ML in biomedical applications (Face Emotion and Gesture recognition)</i></p>	<p>Dr. Udit Satija Assistant Professor, Electrical engineering, IIT, Patna</p> <p>Topic: <i>Machine Learning For Biomedical Image Analysis</i></p>		
<p>04/7/22 MON</p>	<p>Dr. DEEPAK JOSHI Assistant Professor, IIT Delhi</p> <p>Topic: <i>Machine learning applications for neuromuscular signals</i></p>	<table border="1"> <tbody> <tr> <td data-bbox="1267 647 1666 943"> <p>Dr. B. Kiran Kumar Associate Professor, Dept. of IT, KITSW</p> <p>Topic: <i>Pre-processing of data</i></p> </td> <td data-bbox="1666 647 2157 943"> <p>Dr. R. Srikanth Assistant Professor, Dept. of ECE, KITSW</p> <p>Topic: <i>Artificial Intelligence and Machine Learning Algorithms for Medical Images: A technology Review</i></p> </td> </tr> </tbody> </table>	<p>Dr. B. Kiran Kumar Associate Professor, Dept. of IT, KITSW</p> <p>Topic: <i>Pre-processing of data</i></p>	<p>Dr. R. Srikanth Assistant Professor, Dept. of ECE, KITSW</p> <p>Topic: <i>Artificial Intelligence and Machine Learning Algorithms for Medical Images: A technology Review</i></p>
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<p>05/7/22 TUE</p>	<p>Dr. S. Geetha Professor, Associate Dean, SCOPE, VIT University, Chennai</p> <p>Topic: <i>Case Studies in the areas of Biomedical signal and image analysis</i></p>	<p>Dr. P. A. Karthick Assistant Professor, Dept. of Instrumentation Engg., NIT, Trichy</p> <p>Topic: <i>Recent trends in signal processing techniques for the assessment of neuromuscular and neurological disorders</i></p>		
<p>06/7/22 MON</p>	<p>Dr. Saroj Kumar Biswas Assistant Professor, Dept. of CSE, NIT Silchar</p> <p>Topic: <i>Artificial Neural Networks (ANNs) as ML Classifier</i></p>	<table border="1"> <tbody> <tr> <td data-bbox="1267 1185 1666 1433"> <p>Sri. Ajay Nitin Philips, Hyderabad</p> <p>Topic: <i>Applications of signal & image processing in medical Imaging</i></p> </td> <td data-bbox="1666 1185 2157 1433"> <p>Dr. B. Raghu Ram Assistant Professor, Dept. of CSE, KITSW</p> <p>Topic: <i>Clustering and Classification Mechanisms</i></p> </td> </tr> </tbody> </table>	<p>Sri. Ajay Nitin Philips, Hyderabad</p> <p>Topic: <i>Applications of signal & image processing in medical Imaging</i></p>	<p>Dr. B. Raghu Ram Assistant Professor, Dept. of CSE, KITSW</p> <p>Topic: <i>Clustering and Classification Mechanisms</i></p>
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Valedictory on: 06/07/22 at 4:00 pm to 4.30 pm

Exam on: 06/07/22; Duration: 30 Mins; Online link will be active from 5.00 pm to 7.00 pm