



**IEEE Conference on IoT for Rural Health Care 2021
(CIRH-2021)
December 16-18, 2021
VFSTR Deemed to be University, Guntur, A.P.**



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY)
-Estd. u/s 3 of UGC Act 1956

Schedule-Day 01 (Thursday, 16, 2021)			
Start Time	EVENTS		
08:00 -10:00	REGISTRATION		
10:00 -11:30	<p align="center">Tutorial Track 1: Descriptive and Diagnostic Analytics using PowerBI <i>By: S Bhavani Shakar & Team, Efftronics Pvt. Ltd., Vijayawada</i> (OFFLINE)</p>	<p align="center">Tutorial Track 2: Wireless connectivity in IoT <i>By: Mr. N Venkatesh & Team, Silicon Labs, Hyderabad</i> (OFFLINE)</p>	<p align="center">Tutorial Track 3: Invented for Life <i>By: Mr. Hariharan Sethuraman, Business Domain Head-Healthcare, Robert Bosch, Coimbatore</i> (ONLINE)</p>
11:30 -11:45	TEA BREAK		
11:45 -13:15	<p align="center">Tutorial Track 1: Descriptive and Diagnostic Analytics using PowerBI <i>By: S Bhavani Shakar & Team, Efftronics Pvt. Ltd., Vijayawada</i> (OFFLINE)</p>	<p align="center">Tutorial Track 2: Wireless connectivity in IoT <i>By: Mr. N Venkatesh & Team, Silicon Labs, Hyderabad</i> (OFFLINE)</p>	<p align="center">Tutorial Track 3: Deep Learning for medical therapies based on movement <i>By: Mr. Yoram Segal BGU, Department School of Electrical and Computer Engineering Ben Gurion University of the Negev, Israel</i> (ONLINE)</p>
13:15 -14:15	LUNCH		
14:15 -15:15	<p align="center">Tutorial Track 1: Descriptive and Diagnostic Analytics using PowerBI <i>By: S Bhavani Shakar & Team, Efftronics Pvt. Ltd., Vijayawada</i> (OFFLINE)</p>	<p align="center">Tutorial Track 2: Unmanned Aerial Vehicles <i>By: Prof. G V V Sharma & Team, Electrical Engineering, IIT Hyderabad</i> (OFFLINE)</p>	<p align="center">Tutorial Track 3: Innovation in Healthcare <i>By: Dr. Sanjeev Kubakaddi, Founder itie Knowledge Solutions</i> (ONLINE)</p>
15:15 -15:30	TEA BREAK		
15:30 -16:30	<p align="center">Tutorial Track 1: Descriptive and Diagnostic Analytics using PowerBI <i>By: S Bhavani Shakar & Team, Efftronics Pvt. Ltd., Vijayawada</i> (OFFLINE)</p>	<p align="center">Tutorial Track 2: Unmanned Aerial Vehicles <i>Prof. G V V Sharma & Team, Electrical Engineering, IIT Hyderabad</i> (OFFLINE)</p>	<p align="center">Tutorial Track 3: Innovation in Healthcare <i>By: Dr. Sanjeev Kubakaddi, Founder itie Knowledge Solutions</i> (ONLINE)</p>



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Schedule-Day 2 (Friday, 17, 2021)

Start Time	EVENTS				
08:00 -9:15	REGISTRATION				
09:15 -10:30	INAUGURATION Address by Conference Organizers and Patrons VFSTR (Deemed to be University) Chief Guest: Prof. P. Chakrabarti, Director, IEST Shibpur (Ex-Director MNIT Allahabad)				
10:30 -11:15	Inaugural Plenary Talk: Prof. P. Chakrabarti, Director, IIST, Shibpur, WB (ONLINE) Topic: Recent Advancement of Technologies				
11:15 -11:45	HIGH TEA				
11:45 -12:15	Plenary Session: Dr. MYS Prasad, Ex-Director ISRO (ONLINE) Topic: Role of Satellite Technologies In Rural Health Care				
12:15 -13:00	Keynote Talk: Professor Jose Ranjan, Industrial Science & Technology, Universiti Malaysia Pahang (ONLINE) (at 14:45 in Malaysia) Topic: Advanced Textiles for Energy, Sensing, and Healthcare				
13:00 -14:00	LUNCH				
14:00 -14:45	Keynote Talk: Prof. Ofer Hadar, Professor, Ben Gurion University, ISRAEL (ONLINE) (at 10:30 in ISRAEL) Topic: Risks of cyber security of using IoT devices especially in medical applications				
14:45 -15:15	Track 1: Sensors & Edge Devices Invited Talk: Mr. Dinesh Chand Sharma, Director – Standards & Public Policy (SESEI) Topic: e-Healthcare: Standards Perspective (ONLINE)	Track 2: Communication Technologies Invited Talk: Dr. Sanjay Kimbahune, Sr. Research Scientist TCS. Topic: IoTs for Rapid Screening of Cardiovascular Issue and Wireless Sensing Node for Rapid EColi Detection (ONLINE)	Track 3: Analytics, Contextual Algorithms & Applications Invited Talk: Mr. N Venkatesh, Sr. Director, Engineering, Silicon Labs Topic: Technology in the IoT (OFFLINE)	Track 4: Intelligence Invited Talk: Dr. N. Usha Rani, Professor, VFSTR, Vadlamudi Topic: Machine Learnign for Medical Diagnostics (OFFLINE)	Track 5: Miscellaneous Keynote Talk: Dr. Santanu Das, Prof., IIT BHU. Topic: Two-Dimensional Hybrid Materials For Functional Applications: New Archetypes Of Nano-Scale Engineering (ONLINE)
15:15 -15:45	TEA BREAK				
15:45 -17:15	Track 1 Paper Presentations (4) Paper IDs: 66, 86, 116, 119	Track 2 Paper Presentations (5) Paper IDs: 71, 96, 259, 255, 104	Track 3 Paper Presentations(4) Paper IDs: 59, 127, 153, 74	Track 4 Paper Presentations (5) Paper IDs: 3, 83, 90, 98, 113	Track 5 Paper Presentations(5) Paper IDs: 134, 91, 82, 191, 262
17:15 -18:15	Poster Presentation (PP-01 -45)/ Student				
18:15 -18:30	BREAK				
18:30 -19:15	CULTURAL NIGHT FOLLOWED BY GALA DINNER				



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Schedule-Day 3 (Saturday 18, 2021)					
Start Time	EVENTS				
09:00 -09:45	<p align="center">Keynote Talk : Prof. Sarah Kurtz, Professor, University of California Merced/Ex-Director NREL, USA. (17.12.2021, at 19:30 in California, USA) Topic:-Seeking a Clean Energy System at Lower Cost</p>				
09:45 -10:30	<p align="center">Keynote Talk : Prof. Brahmjit Singh, NIT Kurukshetra Topic: IoT and its synergy with Machine Learning</p>				
10:30-11:00	HIGH TEA				
11:00-11:30	<p align="center">Track 1:Sensors & Edge Devices <i>Invited Talk:</i> Dr. Ujjwal Das, Prof. University of Delaware Topic: Opportunities and challenges of solar PV in IoT. (ONLINE)</p>	<p align="center">Track 2: Communication Technologies <i>Invited Talk:</i> Prof. Ravi Sekhar, VFSTR. Topic:-6G Communications -Vision and Technology Integration with Societal Sustainable Development Goals (OFFLINE)</p>	<p align="center">Track 3: Analytics, Contextual Algorithms & Applications <i>Invited Talk:</i> Surbhi Saraswat, UCC Corck, Ireland. Topic:-Big data processing and artificial intelligence at the network Edge (BRAINE)) (OFFLINE)</p>	<p align="center">Track 4:Intelligence <i>Invited Talk:</i> Bala Prasad Peddigari, Growth and Transformation Innovation Leader -HiTech Unit at TCS Topic: Application of IoT across the Industry and Health sector (OFFLINE)</p>	<p align="center">Track 5: Miscellaneous <i>Invited Talk:</i> Dr. N V R Vikram G, VFSTR, Vadlamudi. Topic: Role of Thin Films in Healthcare (OFFLINE)</p>
11:30 -13:00	Track 1 Paper Presentations (4) Paper IDs: 124, 132, 141, 212	Track 2 Paper Presentations (4) Paper IDs: 131, 211, 316, 320	Track 3 Paper Presentations (4) Paper IDs: 289, 245, 270, 267	Track 4 Paper Presentations (4) Paper IDs: 121, 197, 258, 277	Track 5 Presentations (4) Paper IDs: 268, 196, 321, 29
13:00 -14:00	LUNCH				
14:00 -14:45	<p align="center">KeynoteTalk: Dr. Kensuke Takech, Toyota Central R&D, Nagoya, Japan (ONLINE) (at 17:30 in Tokyo) Topic: Recent Progress, Application and Perspective of Materials Informatics</p>				
14:45 -15:30	<p align="center">Keynote Talk: Dr. Sandip Roy, Executive Vice President at IDM Technologies, United Arab Emirates (ONLINE) (at 13:15 in UAE) Topic: Global Covid-19 Vaccines Supply to the Rural Area Using IoT Based Cold Chain Monitoring</p>				
15:30 -16:00	HIGH TEA				
16:00 -17:00	<p align="center">Panel Discussion on "Health Care" Organizer: Er. D. Ramakrishna Moderator: Prof. Prithiviraj Venkatapathy</p>				
17:00 -18:00	Valedictory and Prize Distribution (In Various Categories) By Guest (ONLINE/OFFLINE)				
18:00 -18:01	NATIONAL ANTHEM				