

Electronics and Communication Engineering Department,  
SRM University - AP organises workshop on

# AI for HEALTHCARE

in Collaboration with IEEE-SRM AP Student Branch

Date: July 25, 2020 | Time: 9:30 am to 1:00 pm

## Technical Talk



Prof. D. Narayana Rao  
Pro-Vice Chancellor,  
SRM University- AP, Andhra Pradesh



Dr. Muralikrishna Voonna  
Managing Director  
Mahatma Gandhi Cancer Hospital & Research Institute



Dr. Rajiv Janardhanan  
Director, Amity Institute of Public Health,  
Professor ACVB

## Panel Discussion, Topic: Impact of Covid-19, AI on Healthcare

## Panel Members:



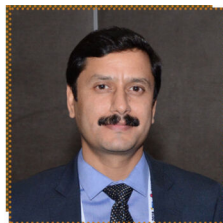
### Padma Shri Awardee

**Prof. Upendra Kaul**

Chairman Batra Heart Centre and Dean Academics  
and Research of BHMRC, New Delhi



Prof. Pooja Ramakant  
Additional Professor, Endocrine  
& Breast Surgery by Department King  
Georges Medical University, Lucknow



Dr. Sunil Taneja  
MD, DM, Assistant Professor  
Department of Hepatology  
PGIMER, Chandigarh



Dr. Muralikrishna Voonna  
MD at Mahatma Gandhi Cancer Hospital  
& Research Institute, Visakhapatnam,  
Andhra Pradesh



Dr. Rajiv Janardhanan  
Director, Amity Institute of Public Health,  
Professor ACVB, Noida Area, India



### Panel Moderator:

Prof. Priya Ranjan,  
Dept. of ECE, SRM AP

**Co-ordinator:** Dr. V. Udaya Sankar (IEEE Senior Member)

Assistant Professor, Dept. of ECE, SRM University - AP  
Email: udayasankar.v@srmap.edu.in | Call: 9663300497

**Register at:** [https://bit.ly/SRMAP\\_AIHealthcare](https://bit.ly/SRMAP_AIHealthcare)

E - certificates will be provided for the desired participants.



## Guest Lecture

**Opening Remarks - Prof. D. Narayana Rao**

**Impact of AI in Clinical Healthcare - Dr. Muralikrishna Voonna**

**Sustainable Healthcare: AI enabled platforms for Affordable and Accessible Healthcare Solutions - Dr. Rajiv Janardhanan**

## Profiles of panel members:

### Prof. D. Narayana Rao

Prof. D. Narayana Rao, Pro Vice-Chancellor, SRM University-AP, Andhra Pradesh is a renowned scientist in the field of Atmospheric Sciences and Radar Technology. In his career spanning over four decades, he has been widely recognized for building institutions of excellence both in research and academia. He was appointed by the Government of India as Director, National Atmospheric Research Laboratory (NARL) of ISRO/ Department of Space in 2002. Prof. Narayana Rao has published more than 150 research papers in highly reputed international journals and 34 students were awarded their Ph.D. degrees under his research supervision. He has received the most coveted awards including Sir. C.V. Raman award for outstanding contribution to Physical Sciences by UGC, K.R. Ramanathan award for outstanding contributions to Atmospheric Sciences, and has been twice awarded by the Hon'ble Prime Minister of India: First in 1996, he was awarded for excellence in the field of Space Science and Applications, and then in 2011, he was given the S.S. Bhatnagar Memorial Award (ISCA). Prof. D. Narayana Rao was the General President of Indian Science Congress Association (ISCA) and organized the 104th Indian Science Congress in January 2017 with Shri Narendra Modi, the Hon'ble Prime Minister of India as the Chief Guest.

### Prof Upendra Kaul

Prof Upendra Kaul is currently the Chairman of Batra Heart Centre and Dean Academics and Clinical Research, Batra Hospital and Medical Research Centre, New Delhi. He pioneered the coronary angioplasty program. He was also the faculty of G B Pant Hospital, PGIMER Chandigarh and AIIMS where he was the Professor of Cardiology. He has also been awarded the coveted Dr. B C Roy Award and Padma Shri from the President of India. Also, he established cardiology units at several hospitals in the Govt. and private sector. He has held the posts of President of the "Cardio-logical Society of India" and SAARC Cardiac Society. He was a founder member of the Asia Pacific Society of Interventional Cardiology. Currently he is the Co-Chairman of the Credentials Committee of the SCAI, USA and Course director of Asia PCR/Sing live and India Live. He is also Editor in Chief of the Journal ASIA Interventions and Fortis Medical Journal. Prof. Kaul is the first Indian Cardiologist to initiate investigator-initiated multicentric trials and one of his recent trials TUXEDO INDIA has received international recognition which included a Late Breaking Trial at the TCT 2015 and a publication in NEJM.

### Dr. Sunil Taneja

Dr. Sunil Taneja (MD, DM) is the Assistant Professor in the Department of Hepatology PGIMER, Chandigarh. He did his MBBS in 2000, MD (Internal Medicine) in 2005 from Indira Gandhi Medical College, Shimla and DM (Hepatology) from PGIMER, Chandigarh in 2011. He is from the first batch of physicians who have received formal training in the field of Hepatology from Postgraduate Institute of Medical Education and Research (PGIMER), Chandigarh, a premier institute of the country. He is adept in the management of patients suffering from a wide variety of liver diseases, ICU care of critically sick patients, and pre and post-operative management of patients who have undergone liver transplantation. He is member of National Academy of Medical Sciences, Indian Society of Gastroenterology, Indian National Association for Study of Liver, International society for Hepatic encephalopathy and Nitrogen Metabolism and European Association of Study of Liver. The areas of his current research interests are Liver Transplantation, Malnutrition in Cirrhosis, Autoimmune Liver Disease, and Hepatitis C.

### Dr. Rajiv Janardhanan

Dr. Rajiv obtained his Ph.D. from the University of Delhi in 2003 with a specialization in the areas of Microbial Ecology and Bioprospecting. Subsequently, he went to premier institutions such as United States for advanced training in interdisciplinary areas of signal transduction pertaining to in vitro and in vivo studies on unmet clinical needs and epigenetics in premier institutions such as Mayo Clinic Foundation, Rochester, MN. He joined Amity University in 2012 as a Professor in Amity Institute of Biotechnology and since 2014, he is heading the Amity Institute of Public Health. He is an Associate Editor of Cardiovascular Toxicology and is an ad-hoc reviewer in many science citation indexed journals. His current research interests include Restenosis, Fibrosis, Diabetes, Renal Physiology, Cell Biology, Signal Transduction, Vascular Biology, Bioprospecting, and Artificial Intelligence. His research is currently funded by Department of Biotechnology, Government of India and Indian Council of Medical Research, Government of India.

### Prof. Pooja Ramakant

Dr. Pooja Ramakant is the Additional Professor in Endocrine Surgery Department, King Georges' Medical University, Lucknow, India. She is a KGMU Library Committee Member, faculty in Medical Education and Technology, and Vice Dean – Innovation and Intellectual Property Cell, KGMU. Her accolades include UICC FELLOW, Faculty in Medical Education Unit, MCh Examiner, and she is the member of many national and international societies. She has more than 50 publications and has made more than 150 presentations at conferences (national and international). Dr. Pooja Ramakant is the Co-author of 2 Hindi books, and has published Book Chapters in 4 books. Her research interest lies in breast cancer, thyroid cancer, and adrenal tumors.

### Dr. Murali Krishna Voonna

Dr. Murali Krishna Voonna is the Managing Director & Chief Surgical Oncologist at Mahatma Gandhi Cancer Hospital and Research Institute, Visakhapatnam. He has over 24+ years of extensive experience in offering specialized Surgical Oncology to Head & Neck, Breast & Gynaec, and Bones & Soft tissues. He is a renowned surgical cancer specialist and has also won many laurels in the form of awards & accreditations which includes "The Nuclear Physicians of India", and "Legend of the year in Surgical Oncology" by Times HealthCare Achievers 2018 & 2019. Also, he is the Chief Promoter of Mahatma Gandhi Cancer Hospital and Research Institute, Visakhapatnam. Dr. Muralikrishna Voonna has established MGCHRI as Comprehensive State-of-the-Art Cancer Treatment Centre and Research Institute, and is the reviewer of "National Health Policy", Government of India for policies related to "Non-Communicable Diseases".

### Dr. Priya Ranjan

Priya Ranjan graduated from IIT Kharagpur, West Bengal, India, and earned M.S. (EE) and Ph.D. (ECE) degrees from the University of Maryland, College Park, USA in 1999 and 2003, respectively. To pursue his passion for discovering new ideas in control theory and applications, he joined the Center for Artificial Intelligence and Robotics (CAIR, Bangalore). To continue and expand his studies, in 1997 he moved to the Computer-Aided Control Systems Engineering (CACSE) lab at the Institute for Systems Research (ISR) at the University of Maryland where his work was supported by leading government funding agencies including NSF and DARPA. His latest interest is in biological computation and oncological image processing. He has received many large project awards from some of the most reputed agencies like National Science Foundation (NSF)-USA, DARPA-USA, Delhi University, DBT, DST-RFBR, ICMR etc. He has authored more than 50 research articles in different international conferences, many heavily cited journal papers and many book chapters in heavily cited books published by IEEE and Springer Press.

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