



International Conference on Global Mental Health and Public Health Challenges and Innovation (GMHPHCI'22)

25th -27th NOVEMBER 2022

About Ranchi

Ranchi, capital of Jharkhand also known as City of Waterfalls is the home to not only many waterfall but it is known for its scenic beauty and temples and unexplored beauty. Few of the famous of waterfalls and locations of Ranchi includes Panch Gagh Falls, Dasham Falls, Hundru Falls, Jonha Falls, Hirni Falls, Sita Falls, Jagannath Temple, Rock Garden, Kanke Dam, Sun Temple, Tagore Hill, Pahari Mandir, Patratu Valley, Birsa Zoological Park and many more.

About the Institute

IIIT Ranchi is an Institute of National Importance under the act of Parliament of India established in 2016. The major objective was to set up a model of education which can produce best-in-class human resources in IT and harnessing the multidimensional facets of information technology in various domains.

The Institute is currently offering B. Tech (Hons.) degree in Computer Science and Engineering (CSE) and Electronics and Communication Engineering (ECE) as well as B.Tech CSE with specialization in Data Science and Artificial Intelligence and B.Tech ECE with specialization in Embedded Systems and IoT. The institute also offers M. Tech in Data Science and Artificial Intelligence and M. Tech in Embedded Systems and IoT as well as Ph. D programs.

About NAMAH Foundation

NAMAH Foundation is registered under Trust Act. It works with communities to raise mental health awareness, enable early detection of mental illnesses and to aid, assist, provide, and offer comprehensive care and professional counselling services, as well as high-quality mental health services, in order to promote and improve overall well-being. Their mission is to provide counselling services to children, adolescents, adults, couples, families, and senior citizens from various socioeconomic backgrounds

Program Committee

- Dr. Kalman J. Kaplan, Professor, University of Illinois, Chicago, USA
- Dr. Ashoke Saha, Professor, Jagannath University, Dhaka, Bangladesh.
- Dr. Dinie Ratri Desiningrum, Faculty of Psychology, Diponegoro University, Indonesia
- Dr. Sandeep Kumar, Professor, Banaras Hindu University (BHU), India
- Dr. SPK Jena, Professor, Delhi, University, India
- Dr. Rabindra Kumar Pradhan, Associate Professor, IIT Kharagpur, India
- Dr. Nilesh Thakre, Associate Professor, SNDT Women's University, Mumbai, India
- Dr. Suvashisa Rana, Assistant Professor, School of Medical Sciences, University of Hyderabad, India
- Dr. Sandhyarani Mohanty, Research Officer, Institute of Mental Health and Hospital, Agra, India
- Dr. Dinakaran, Assistant Professor, NIMHANS

- Dr. Cesar Merino Soto, Professor, University of San Martin, Lima, Peru
- Dr. Patryk Stecz, Associate. Professor, University of Lodz, Poland
- Dr. Narendra Thaguna, Mental Health Professional, Nepal
- Dr. V K Singh, Professor, Narayana Medical College and Hospital, Rohtas, Bihar, India
- Dr. Rasmita Das Swain, Professor, NIEPA, India
- Dr. Swati Mukherjee, Scientist-E, DIPR, DRDO, Delhi, India
- Dr. Pooja Garg, Associate Professor, IIT, Roorkee, India
- Dr. Abhay Kumar, Assistant Professor, ANMCH, Gaya, India
- Dr. Sumitra Mishra, Clinical Psychologist, IMHA, Agra, India
- Dr. Sandhya Verma, Clinical Psychologist, DIPR, Delhi, India
- Ms. Hrit Kaushik, Consultant, NAMAH Foundation, India

- Dr. Reuven Gal, Senior Research Fellow, Samuel Neaman Institute, Israel
- Dr. Katarina Millova, Associate. Professor, University of Ostrava, Czech Republic
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- Dr. Nishant Goyal, Associate Professor, CIP, Ranchi
- Dr. Ajoy Goyal, Assistant Professor, NIMHANS, India
- Dr. Bam Bahadur Sinha, Assistant Professor, IIIT Ranchi, India
- Dr. Jayadeep Pati, Assistant Professor, IIIT Ranchi, India
- Dr. Shalini Mahato, Faculty, IIIT Ranchi, India

About the Conference

Mental health issues negatively impacts millions of people's life globally. Mental health is an important issue with many challenges in investigation, diagnosis, treatment, monitoring, drug of choice, and side effects. Public health is the science and art of preventing disease, prolonging life and promoting health through the organized efforts and informed choices of society, organizations, public and private, communities and individuals. Modern technologies like the Internet of Things (IoT), Artificial Intelligence (AI), Machine Learning (ML), and Deep Learning (DL), among others, could help to solve problems in the domain of mental health and public health.

GMHPHCI'2022 aims to bring together researchers, leading scientists, psychiatrist, psychologist, doctors, statisticians, and healthcare workers to share knowledge, present their novel ideas, and discuss the challenges and present novel solutions in the field of healthcare. The conference also strives to provide an opportunity for young researchers, academicians, and practitioners with multidisciplinary interests to meet and interact with members across a range of disciplines.

Chief Patron

Prof. Vishnu Priye, Director, IIIT Ranchi

Patron

Dr. Updesh Kumar, Former Head of Mental health and Counseling Division of Defense Institute of Psychological Research, DRDO

Convenor

Dr. Rabindra Kumar Pradhan, Associate Professor, IIT Kharagpur

Co-Convenor

Dr. Jayadeep Pati, Assistant Professor, IIIT Ranchi

Secretary

Dr. Shalini Mahato, IIIT Ranchi

Mr. Debasis Biswal, NAMAH Foundation

Dr. Bam Bahadur Sinha, IIIT Ranchi

Topic of Interest

GMHPHCI'2022 aims to examine some recent developments in the interaction between emerging technologies addressing mental health issues and innovations. The conference will focus on finding relevant applications of different tools and techniques for diagnosing, and analysing the challenges of global health. Topics of interest for submission include, but are not limited to:

Mental Health

- Psychiatry, Neurology and Neurological Sciences
- Medical consultation
- Climate change and mental health
- Community mental health services
- Legal aspects of mental health service delivery
- Tele/online mental health
- Women mental health
- Innovative mental health service delivery
- General Hospital psychiatry
- From Asylums to community-based care in psychiatry
- Biological markers in psychiatry
- Brain stimulation in psychiatry.
- Psychosocial aspects of mental health.
- Post-traumatic Stress Disorder(PTSD)
- Trauma management
- Psychological first aid.

Mental Health and Well-Being

- Workplace well being
- Happiness, Well-being and Resilience at work
- Emotional issues in organization
- Organizational stress, health, well-being and neurosis
- Public Health
- Yoga and Mental Health
- Couselling and Mental health
- Suicide and Mental Health
- Positive psychology and mental health
- Stress, Burnout, and Wellbeing
- Workplace Balance and Employee Well-being
- Spirituality and Wellbeing
- Indigenous health practices and Mental Wellbeing

Health care and Artificial Intelligence

- Machine learning for healthcare
- Diagnosis in medical imaging
- Deep learning for medical systems and applications
- Expert System for Healthcare
- Pattern recognition in biomedical applications
- Machine Learning in Bioinformatics
- Outbreak Prediction
- Biomedical signal analysis and image processing for prediction
- Advanced medical image retrieval and reconstruction
- Big Data Analytics
- Smart Health Records
- Healthcare IoT
- Integration of E-Health and IoT
- Advanced molecular/pathologic image analysis
- Multimodal neurochemical and/or imaging biomarkers
- Medicine recommendation using Chatbot
- Markov decision processes for clinical decision support
- Medical Imaging Diagnosis
- Gait and motion analysis using complex biomedical signals
- Big data in health care
- Learning with non-stationary data
- Complex medical data and data analysis
- Crowd sourced medical data collection

Public Health Challenges

- Disparities in Healthcare Access and Outcomes
- Public health and vulnerable communities
- Access to Quality Health Care
- Rural health care
- Social Isolation
- Violence and Trauma

Registration Fees

Category	Indian Delegates	Foreign Delegates
Student	INR 3000	USD 150
Faculty	INR 3500	USD 200
Industry	INR 5500	USD 200

NOTE: Lodging and food in not included in the registration fees. It will be arranged by IIIT Ranchi on request basis

Important Dates

Abstract Submission Deadline : 25th August 2022

Abstract Acceptance Notification : 30th August 2022

Full Paper Submission Deadline : 16th September 2022

Acceptance Notification : 10th November 2022

Awards

- Young Scientist Award
- 3 Best Research Paper Award
- 3 Best Poster Award
- Best Dissertation Award in PhD Level

Proceedings

All the accepted abstract/paper/ poster would be presented in the conference and all accepted papers would be published in ELSEVIER / SPRINGER (Confirmation awaited)

Organized by

Indian Institute of Information Technology Ranchi, Jharkhand, India
in collaborations with
National Association of Mental Health and Allied Health (NAMAHA) Foundation

Venue

Auditorium, IIIT Ranchi, Smart City
JUPMI Building, 3rd Floor, Plant Plaza Road, Dhurwa,
Ranchi, Jharkhand – 834004, India