

**Indian Institute of Information Technology
Ranchi, Jharkhand, India**



Announces

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



(25th to 27th November, 2022)

Organized by

Indian Institute of Information Technology Ranchi

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Mr. Arun Jain

Chairman, BoG-IIIT, Ranchi

Patron

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IIIT Ranchi

Convenor

Dr. Jayadeep Pati,

Assistant Professor,
IIIT Ranchi

Co-Convenor

Dr. Shalini Mahato,

Faculty,
IIIT Ranchi

Co-Convenor

Dr. Bam Bahadur Sinha,

Assistant Professor,
IIIT Ranchi

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 could produce best in class human resources in IT and harness 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 the Conference

Mental health issues negatively impact millions of people's lives 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 domains of mental health and public health.

GMHPHCI'2022 aims to bring together researchers, leading scientists, psychiatrists, psychologists, 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.

Organizing Committee

- **Dr. Dhananjay Bhakta**, IIIT Ranchi
- **Dr. Jitendra K. Mishra**, IIIT Ranchi
- **Dr. Santosh K. Mahto**, IIIT Ranchi
- **Dr. Shashi K. Sharma**, IIIT Ranchi

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- **Dr. Nishant Goyal**, Central Institute of Psychiatry, Ranchi, Jharkhand.
- **Dr. Piyush Swami**, Technical University of Denmark, Kongens Lyngby, Denmark.
- **Dr. Prabhu Prasad**, IIIT Dharwad, Karnataka.
- **Dr. Pranesh Das**, NIT Calicut, Kerala.
- **Dr. Pramod Mane**, IIM Rohtak, Haryana.
- **Ms. Priyanka Sadhu**, Slalom, New York, USA.
- **Dr. Rakesh K. Sinha**, BIT Mesra, Ranchi, Jharkhand.
- **Dr. Sanjay K. Munda**, Central Institute of Psychiatry, Ranchi, Jharkhand.
- **Dr. Sushil K. Mandal**, IIIT Ranchi, Jharkhand.
- **Dr. Sourav Khanra**, Central Institute of Psychiatry, Ranchi, Jharkhand.
- **Dr. Surendiran B**, NIT Pondicherry.
- **Dr. Sunil Kumar**, Katholieke Universiteit Leuven, Belgium.
- **Dr. Smith Khare**, Aarhus University, Denmark.
- **Dr. Tarini Mandal**, IIIT Ranchi, Jharkhand.
- **Dr. Vandana**, Assistant Professor, IIM Sirmour, Himachal Pradesh
- **Dr. Varun Bajaj**, IIITDM Jabalpur.

Topic of Interest

Health care and Artificial Intelligence

- Machine learning for healthcare
- Diagnosis in medical imaging
- Deep learning for medical systems and applications
- Pattern recognition in biomedical applications
- Machine Learning in Bioinformatics
- Outbreak 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
- Time series analysis for Health care
- Computational and Cognitive Neurosciences
- Computational psychiatry
- Human activity recognition
- Image processing and computer vision and Healthcare
- Information security of Healthcare Data
- Robotics and control in Healthcare
- Web search and mining and Healthcare

Mental Health and Well-Being

- Psychiatry, and Neurological Sciences
- Medical consultation
- Climate change and mental health
- Community mental health services
- Legal aspects of mental health
- Neurology and Neurological Sciences
- Tele/online mental health

- Resilience at work
- Organizational well-being and neurosis
- Yoga and Mental Health
- Counselling and Mental health
- Stress, Burnout, and Wellbeing

Public Health Challenges

- Disparities in healthcare access & outcomes
- Public health and vulnerable communities
- Access to quality healthcare
- Rural healthcare
- Social isolation

Registration Fees

| Category | Indian Delegates | Foreign Delegates |
|----------|------------------|-------------------|
| Student | INR 3000 | USD 100 |
| Faculty | INR 3500 | USD 150 |
| Industry | INR 5500 | USD 200 |
| Attendee | INR 3500 | USD 150 |

Bank Details for Registration Fee Payment

Bank Name: SBI Namkum

Name: Indian Institute of Information Technology Ranchi

Account Number: 39114253842

IFSC Code: SBIN0009011

CIF NO: 90500315570

MICR CODE: 834002017

Venue

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

Registration Form (GMHPHCI' 2022)

Name(In block letters)

Designation

Organization

Academic Qualification

Area/ Specialization

Address of Correspondence

.....

Contact No.

E-mail

WhatsApp Number.....

Payment Details:

Payment Mode:.....

Online Payment Reference number:.....

Date of Payment:.....

Mode for attending the Conference: Online/Offline

Date

Signature of Applicant

Click the following link for online registration:

<https://forms.gle/4bNpaFAjPVumh9cJ8>

For any query:

Email: gmhphci_22@iiitranchi.ac.in

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