



Index

MEDICAL COLLEGE, HOSPITAL & RESEARCH CENTRE, INDORE

(Unit of Mayank's Welfare Society)
(Constituent Unit of Malwanchal University)

ACCREDITED BY NABH & NABL



NABL Certificate No. MC-3448
NABH Certificate No. PEH-2019-0966

IMCHRC/VAC/2024/06

Date – 01/06/2024

CIRCULAR

We are pleased to announce that a Value added course on 'Digital and Technological Skills in Healthcare' has been scheduled from 18th June to 20th June 2024, in the Index Medical College, Hospital & Research Centre, Indore.

It is being organized by the faculty of IMCHRC of Malwanchal University to train the 1st Prof. Medical students to understand the key digital technologies in health care and implement and manage digital health solutions in their day to day life.

The course is free for all students. Interested students are requested to register for the course by 12th June 2024.

For registration contact, Dr. Akanksha Sharma, Contact no. 7357800906

Dean
IMCHRC, Indore

CC

- The Chairman
- Vice Chairman
- Vice Dean
- Registrar – Malwanchal University
- All Administrators
- HODs of all Departments
- Notice Board – College notice board, Hostel – Boy's/ Girl's, PG Hostel
- File

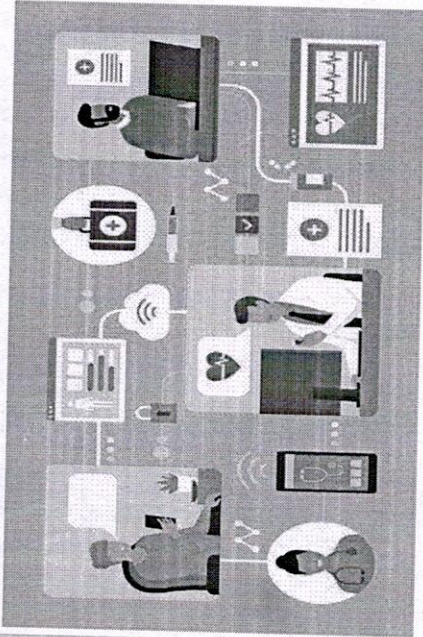


Registrar
Malwanchal University
Indore (M.P.)



Malwanchal University

Index Medical College, Hospital & Research Center, Indore



ABOUT

This course is aimed to bridge the gap between healthcare professionals and rapidly evolving digital technologies that are transforming the healthcare industry.

It also aims to demonstrate the practical application of digital technologies.

REGISTRATION DETAILS

Eligibility: First Year MBBS students (Batch 2023-24)

Coordinator: Dr. Akanksha Sharma (Assistant Professor, Anatomy)

Registration fee:

Free

Dates:

18/06/2024-20/06/2024.

-Venue-

Index Medical College Hospital & Research Center, Indore

Resource Person:

Dr. Vimal Modi (HOD Anatomy)

Dr. Manila Jain (HOD Physiology)

Dr. Jaya Jain (Assoc. Prof Biochemistry)

Dr. Sonali Kalvade (Assoc. Prof Biochemistry)

Dr. Akanksha Sharma (Asst Prof. Anatomy)

Dr. Neeta Singh (Asst. Prof. Physiology)

MODULES

Module 1: Introduction to Digital Health

Module 2: Electronic Health Records (EHR) and Health Information Systems

Module 3: Telemedicine and Telehealth

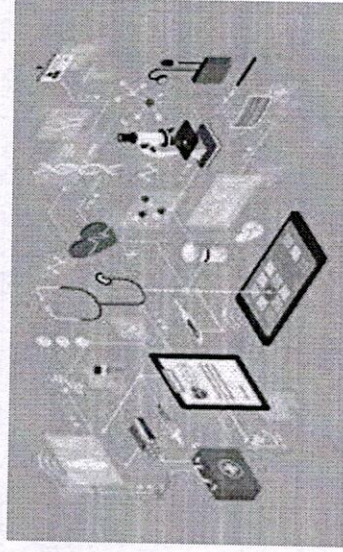
Module 4: Wearable Technology and Mobile Health

Module 5: Artificial Intelligence (AI) and Machine Learning in Healthcare

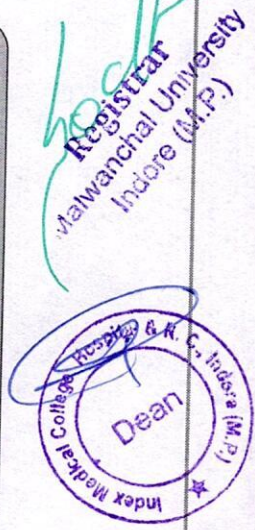
Module 6: Big Data and Analytics in Healthcare

COURSE OUTCOMES

- Understand key digital technologies in healthcare.
- Learn practical applications in various healthcare settings.
- Implement and manage digital health solutions.
- Navigate ethical and regulatory considerations.



DIGITAL AND TECHNOLOGICAL SKILLS IN HEALTHCARE

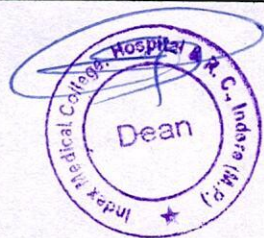


Time Table

Topic: Digital and Technological Skills in Healthcare

For: 1st Year MBBS Students (Batch 2023-24)

Day-1 (18-06-24)		
SUB TOPICS	TIME	SPEAKERS NAME
Introduction to Digital Health	09:00am – 10:00am	Dr. Akanksha Sharma
Electronic Health records and Health information	10:00am – 11:00am	Dr. Vimal Modi
Tea	11:00am – 11:15am	----
Telemedicine and Telehealth	11:15am – 01:15pm	Dr. Akanksha Sharma
Lunch	01:15pm – 02:00pm	----
Telemedicine application models (Practical)	02:00pm – 04:00pm	All Resource Faculties
Day-2 (19-06-24)		
Wearable Technology	09:00am – 10:00am	Dr. Neeta Singh
Mobile Health	10:00am – 11:00am	Dr. Manila Jain
Tea	11:00am – 11:15am	----
Artificial Intelligence & Machine Learning	11:15am – 01:15pm	Dr. Manila Jain
Lunch	01:15pm – 02:00pm	----
Machine Learning Projects in Healthcare (Practical)	02:00pm – 04:00pm	All Resource Faculties
Day-3 (20-06-24)		
Big Data & Analytics	09:00am – 11:00am	Dr. Jaya Jain
Tea Break	11:00am – 11:15am	----
Discussion	11:15am – 01:15pm	Dr. Neeta Singh
Lunch Break	01:15pm – 02:00pm	----
Feedback and question answer assessment	02:00pm – 04:00pm	All Resource Faculties



Neeta Singh
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- **Wearable Technology and Mobile Health (mHealth)**

1. Overview of wearable devices and mobile health applications.
2. Impact of wearables on patient monitoring and disease management.
3. Data privacy and security concerns in mHealth.

- **Artificial Intelligence (AI) and Machine Learning in Healthcare**

1. Basics of AI and machine learning.
2. Applications of AI in diagnostics, treatment planning, and personalized medicine.
3. Challenges and future prospects of AI in healthcare.

- **Big Data and Analytics in Healthcare**

1. Understanding big data in the healthcare context.
2. Techniques and tools for healthcare data analysis.
3. Case studies on the use of big data to improve patient outcomes.

Methodology

The course employed a blend of theoretical and practical teaching methods to ensure comprehensive learning. These included:

- **Lectures and Presentations:** Delivered by industry experts and academics, covering fundamental concepts and advanced topics.
- **Hands-on Workshops:** Participants engaged in practical sessions using digital health tools and software.
- **Case Studies:** Real-world examples and success stories to illustrate the application of digital technologies in healthcare.
- **Group Discussions and Q&A Sessions:** Interactive sessions to encourage participant engagement and address queries.
- **Assignments and Projects:** Practical assignments to reinforce learning and assess participant understanding.

Participants

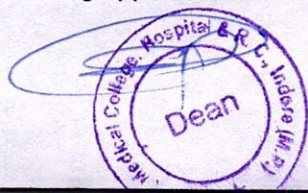
The course was attended by a diverse group of participants, including:

- Healthcare professionals .
- First year medical students .

Outcomes and Feedback

The course successfully met its objectives, as evidenced by the positive feedback received from participants and vote of thanks. Key outcomes included:

- Enhanced understanding of digital technologies and their applications in healthcare.
- Improved skills in using digital tools and software for healthcare management.
- Increased awareness of the ethical and regulatory challenges in digital health.
- Networking opportunities with peers and industry experts.



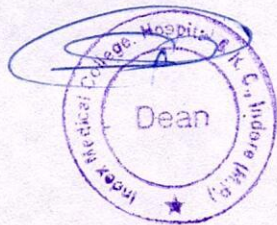
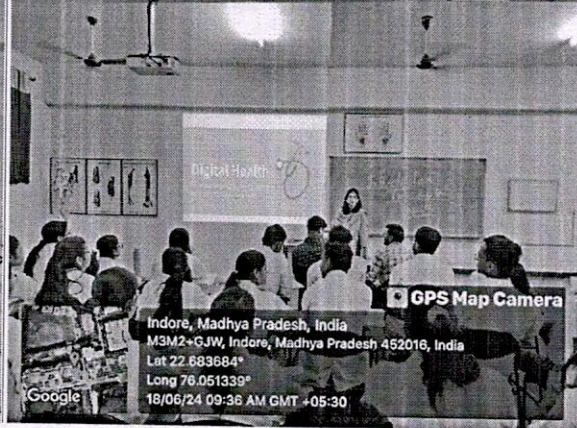
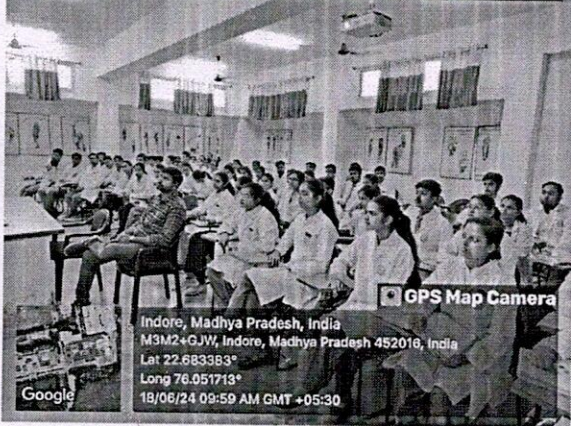
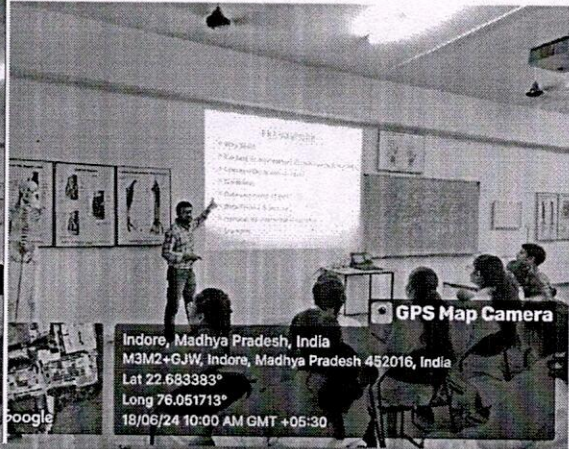
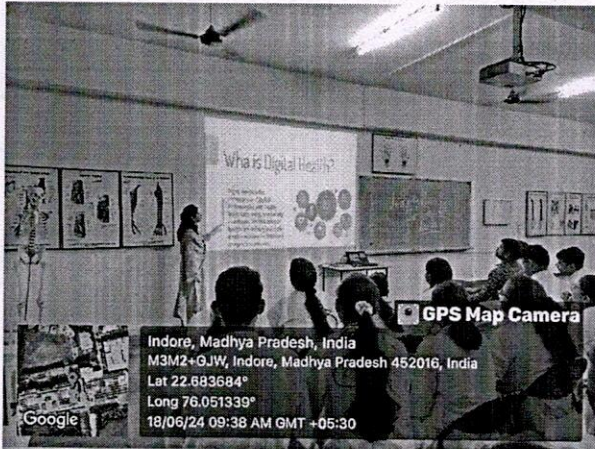
Course Coordinator

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Registrar
Mawanchal University
Indore (M.P.)

Value Added Course

Topic: Digital and Technological Skills in Healthcare

(18th to 20th June 2024)



Signature
Registrar
Mauwanchal University
Indore (M.P.)

Index Medical College Indore

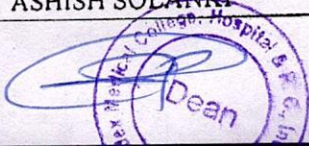
Department of Physiology

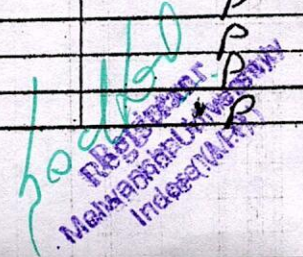
MBBS I Year

Value Added Course: Digital & Technological Skills

Attendance Sheet

Sr. N	Name of Students	Dates		
		18-06-2024	19-06-2024	20-06-2024
1	SATYA PATEL	P	P	P
2	YADVENDRA YADAV	P	P	P
3	VEENA JOSHI	P	P	P
4	POOJA GUPTA	P	P	P
5	KRATIKA SHARMA	P	P	P
6	OM SALI	P	P	P
7	NIKITA MUNIYA	P	P	P
8	AATIF SHEIKH	P	P	P
9	DEEPAK	P	P	P
10	BRIJESH SOLANKI	P	P	P
11	ABHISHEK KANASE	P	P	P
12	ASHMITA KATARE	P	P	P
13	ABHIJEET SINGH RATHORE	P	P	P
14	DIVYA PATIDAR	P	P	P
15	ANSH PATEL	P	P	P
16	GOKUL PRASAD	P	P	P
17	HARSH RATHORE	P	P	P
18	NAINA MALVIYA	P	P	P
19	MONIKA BATHOLIYA	P	P	P
20	NYASA DANGI	P	P	P
21	KAYNAT KHAN	P	P	P
22	POOJA GAUTAM	P	P	P
23	PALASH AGNIHOTRI	P	P	P
24	MAYANK MAKWANE	P	P	P
25	MAHI KATARIYA	P	P	P
26	RAGHUVIR AHIRWAR	P	P	P
27	SIMMY JAIN	P	P	P
28	VIKAS MISHRA	P	P	P
29	VISHAKHA CHOUHAN	P	P	P
30	SAKSHI NAGLA	P	P	P
31	RIYA KELKAR	P	P	P
32	SHADAB KHAN	P	P	P
33	YUVRAJ JAT	P	P	P
34	VIJAY MAKWANA	P	P	P
35	ROSHNI JADHAV	P	P	P
36	SANDEEP PATEL	P	P	P
37	VIDHI DIWADE	P	P	P
38	YOGITA PATIDAR	P	P	P
39	TANISHKA CHOUDHARY	P	P	P
40	RAJVARDHAN SINGH KAURAV	P	P	P
41	SRISHTI SINGH	P	P	P
42	VANDANA VISHWAKARMA	P	P	P
43	PRATHAM PATIDAR	P	P	P
44	LUCKY VERMA	P	P	P
45	ASHISH SOLANKI	P	P	P


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46	AKASH MALVIYA	P	P	P
47	ALEENA LOVAN	P	P	P
48	ANUSHKA RAI	P	A	P
49	DAVAR SHANKAR LAKHANBHAI	P	P	P
50	AMAN PATIDAR	P	P	P
51	DIKSHA TOMAR	P	P	P
52	MINI HEMWANI	P	P	P
53	NIKHIL AHIRWAR	P	P	P
54	JAY GOUD	P	P	P
55	PURVI BILGAINYA	P	P	P
56	VANSHIKA SHUKLA	P	P	P
57	SAJAL GUPTA	P	P	P
58	TUSHAR GUPTA	A	P	P
59	RAMRUP DAGWAL	P	P	P
60	VEDANG SAXENA	P	P	P
61	VINAYAK AGRAWAL	P	P	P
62	RUMAISA KHAN	P	P	P
63	RANGREZ ABDUL QADIR MD AARIF	P	P	A
64	RACHIT DUA	P	P	P
65	ASTHA PATIDAR	P	P	P
66	ANAMIKA MEWADE	P	P	P
67	ANJU	P	P	P
68	AWDHESH SINGH THAKUR	P	P	P
69	BHANU MANGAL	P	P	A
70	ADITI KAURAV	P	P	P
71	MANVI YADAV	P	P	P
72	POONAM SINGH GURJAR	P	P	P
73	SHIVANI PATIDAR	P	P	P
74	RADHAKRISHNA VARMA	P	P	P
75	SHIVANGI BILLORE	P	P	P
76	VIKAS BADERIYA	P	P	P



(Signature)
VAC. Co-Ordinator

(Signature)
Registrar
Malwanchal University
Indore (M.P.)