



BISD

**Bharat Institute for
Skill Development**

Learn • Build • Lead

APPLIED MEDTECH, INTEROPERABILITY & HEALTH AI

Build the skills shaping the
future of healthcare technology.



3

**STACKABLE
LEVELS**



24

WEEKENDS



96

**HOURS
OF LEARNING**



**HANDS-ON
LABS**

Practice. Build.
Master.



**REAL-WORLD
PROJECTS**

Solve real healthcare
challenges.



**INDUSTRY-RELEVANT
SKILLS**

Stay ahead with
future-ready learning.



**CAREER-FOCUSED
LEARNING**

Gain skills that
open doors.

LEARN. BUILD. LEAD.

Be future-ready. Be industry-ready.

BE A PART OF THE HEALTHCARE REVOLUTION.

MEPSTRA

vipany
GLOBAL

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STPI**



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WHAT YOU WILL LEARN

A 3-Level structured journey to build future-ready **MedTech** skills.


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LEVEL
1
**MEDTECH
FOUNDATIONS**

 6 Weekends
24 Hours

Build a strong foundation in healthcare systems, clinical data, and medical technologies.

- Healthcare Ecosystem & Stakeholders
- Clinical Data Fundamentals & Data Types
- Coding Systems: ICD, SNOMED CT, LOINC
- Medical Devices: Basics & Regulations
- Introduction to Health IT & Digital Health
- Data Privacy, Security & Ethics


LEVEL
2
**HEALTH DATA
ENGINEERING &
INTEROPERABILITY**

 8 Weekends
32 Hours

Master healthcare data standards, interoperability, and data engineering.

- HL7 Standards & Implementation
- FHIR Resources, APIs & Profiles
- DICOM & Imaging Interoperability
- ABDM, ABHA & Consent Management
- Healthcare Data Pipelines & ETL
- Interoperability Testing & Validation
- Data Governance, Compliance & Security
- Real-world Integration Projects


LEVEL
3
**AI, GENAI &
DEVICES IN
HEALTHCARE**

 10 Weekends
40 Hours

Apply AI, GenAI and device technologies to solve real healthcare problems.

- AI in Healthcare: Concepts & Applications
- Medical Imaging AI & Clinical Decision Support
- GenAI, RAG & Prompt Engineering in Healthcare
- IoT & Edge AI for Medical Devices
- AI Model Evaluation, Bias & Safety
- Capstone Project & Portfolio Development
- Industry Use Cases & Expert Sessions


**SATURDAY
LEARN THE CONCEPTS**

Expert-led sessions, real examples and practical insights.


SUNDAY
BUILD HANDS-ON

Hands-on labs, projects and real-world implementation.

03

CAREER
OPPORTUNITIES

BUILD SKILLS. BUILD YOUR FUTURE.

Step into exciting careers at the intersection of healthcare, technology and innovation.



WHERE CAN THIS PROGRAM TAKE YOU?

Launch your career in high-growth roles across the healthcare technology ecosystem.



HEALTH-IT TRAINEE

Work with hospital information systems, EHRs and clinical workflows.



HEALTH DATA ENGINEER

Design, build and manage healthcare data pipelines and analytics solutions.



HL7 / FHIR INTEGRATION ENGINEER

Implement healthcare interoperability using HL7, FHIR, DICOM and related standards.



CLINICAL AI ENGINEER

Apply AI/ML to imaging, diagnostics and clinical decision support.



MEDTECH R&D ENGINEER

Work on smart medical devices, IoT, Edge-AI and embedded systems.



POTENTIAL EMPLOYERS & INDUSTRY OPPORTUNITIES

Be part of organizations that are transforming healthcare through technology and innovation.



GE HealthCare

PHILIPS

SIEMENS
Healthineers

Medtronic

Engineering the extraordinary

quire.ai

tricog

5C
Network

dozee



Hospital IT, Clinical
Analytics & Healthcare
Technology Firms

*The above are potential employers and industry segments.



PORTFOLIO OUTCOMES

Real projects. Real impact. Real learning.



HL7 → FHIR CONVERTER

Build end-to-end
standards conversion
solutions.



ABDM CONSENT PIPELINE

Design consent
management and
ABHA integration flows.



CLINICAL RAG / AI APPLICATIONS

Create GenAI powered
assistants for healthcare
use-cases.



EDGE-AI / DEVICE PROJECTS

Develop intelligent
medical devices and
IoT solutions.



SKILLS TODAY. IMPACT TOMORROW.

Join the movement that is shaping smarter, connected and patient-centric healthcare.

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04

MEET YOUR
MENTOR &
WHY BISD

LEARN FROM INDUSTRY EXPERTS.

Guided by experience. Designed for impact.


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WHY THIS PROGRAM?



INDUSTRY-FOCUSED CURRICULUM

Designed with real-world relevance and future industry needs.



HANDS-ON LEARNING

Labs, tools and projects that build job-ready skills.



EXPERT MENTORSHIP

Learn from seasoned professionals with deep industry experience.



CAREER-FOCUSED TRAINING

Build a strong portfolio and advance your career in MedTech.



FUTURE-READY SKILLS

Stay ahead in the rapidly evolving world of healthcare technology.



LEAD INSTRUCTOR

SREERAM THOKALA



Software R&D Manager –
IoT & Cloud Connectivity (Azure),
Radiometer



ex-GE Healthcare (19 Years)
Extensive experience in Healthcare
Technology, Medical Devices, IoT
& Cloud Solutions



M.Tech
Electronics & Communications
Engineering
IIT (BHU) Varanasi



THIS PROGRAM
EMPOWERS YOU TO



SOLVE REAL
HEALTHCARE
CHALLENGES



WORK WITH
CUTTING-EDGE
TECHNOLOGIES



COLLABORATE
ON INDUSTRY
RELEVANT PROJECTS



BUILD A STRONG
FOUNDATION FOR
A REWARDING CAREER

READY TO BUILD YOUR FUTURE IN MEDTECH?

LEARN • BUILD • LEAD

BE PART OF THE NEXT WAVE OF
HEALTHCARE INNOVATION.

REGISTRATION & MORE INFORMATION



Website
www.bis-dev.com



Phone
+91-9618660830



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connect@bis-dev.com



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Your journey to impact starts here.

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