Medical Research Fellowship Organisation

1-YEAR PROFESSIONAL FELLOWSHIP PROSPECTUS

Medical • Artificial Intelligence • Data Science • Digital Health

12 Career-Oriented Fellowship Programmes | 12-Month Structured Learning

MRFO ENTRANCE EXAM SCHOLARSHIP

Eligible candidates selected through the MRFO Entrance Exam may receive a 100% tuition-fee waiver (₹0 tuition fee) and a stipend/grant of up to ₹1,20,000 per year, subject to eligibility, selection, attendance/performance requirements and applicable terms & conditions.

Admissions & Enquiries

Website: mrfo.in | Email: info@mrfo.in | Helpline: 7480045472 | New Delhi

Medical Research Fellowship Organisation

About the Fellowship Portfolio

MRFO's one-year fellowship portfolio is designed around the growing intersection of healthcare, Artificial Intelligence, Data Science, clinical research and digital-health technologies. Each programme combines structured learning, practical assignments, case-based learning and a final capstone project.

Common Programme Framework

- Duration: 12 Months
- Mode: Online / Hybrid, subject to programme availability
- Learning: Expert-led sessions + self-study + practical assignments + case-based learning
- Assessment: Module-wise quizzes/assignments + practical/project review + final assessment/viva
- Project: One capstone project relevant to the selected fellowship
- Clinical/Field Exposure: Optional expert-led/observational training where arranged with an appropriate partner
- Credential: Fellowship Certificate on successful completion, as issued/authorised by MRFO

Entrance Exam Scholarship & Stipend

The MRFO Entrance Exam may be used as an admission and scholarship-selection mechanism. Candidates meeting the applicable criteria may be considered for a 100% tuition-fee waiver (₹0 tuition fee). Selected/eligible candidates may also be considered for a stipend/grant of up to ₹1,20,000 per year. The amount, continuation and disbursement are subject to the published scheme, eligibility, documentation, attendance/performance and other applicable terms and conditions; it is not an automatic or guaranteed payment for every applicant.

Important Professional Scope

These are professional fellowship/certificate programmes. Completion does not by itself confer an MBBS degree, postgraduate medical degree, specialist registration, medical licence or independent authority to diagnose, prescribe or treat patients. Clinical/diagnostic content is intended for education, technology, research, workflow and supervised professional learning within the learner's existing scope of practice.

Medical Research Fellowship Organisation

01. Fellowship in Artificial Intelligence in Healthcare

Programme Code: MRFO-AIH-01 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A comprehensive one-year fellowship focused on the application of Artificial Intelligence, Machine Learning and Generative AI across healthcare. Learners progress from healthcare data and Python fundamentals to predictive analytics, medical imaging, clinical decision-support concepts and responsible AI.

Learning Outcomes

- Explain major AI/ML concepts and healthcare use cases.
- Prepare, clean and analyse structured healthcare datasets.
- Build and interpret basic predictive and classification models.
- Understand medical imaging AI, NLP and Generative AI applications.
- Design a healthcare AI workflow while considering privacy, safety and responsible-AI principles.

Expert-Led Clinical / Industry Training

Expert-led sessions, case discussions and supervised demonstrations using de-identified/sample datasets; optional hospital/health-tech observership where arranged. Clinical participants may discuss workflow and decision-support use cases under appropriate professional supervision.

Eligibility Criteria

12th Pass (Foundation Track); Graduate/Professional; MBBS/BDS/BAMS/BHMS/BPT/Nursing/Pharmacy and relevant healthcare professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	Healthcare & Medical Technology Foundations
2	Computer, Python & Data Fundamentals
3	Statistics for Healthcare
4	Machine Learning Fundamentals
5	Deep Learning & Neural Networks
6	Medical Imaging AI

7	NLP & Generative AI in Healthcare
8	Clinical Decision Support & Predictive Analytics
9	EHR/EMR & Healthcare Informatics
10	AI Ethics, Privacy & Responsible AI
11	Healthcare AI Project Development
12	Capstone, Viva & Final Assessment

Key Highlights

- AI + ML + GenAI
- Python & healthcare datasets
- Medical imaging and clinical analytics
- Practical capstone project
- Career-oriented digital-health skills

Career / Job Roles

- Healthcare AI Associate
- Clinical AI Project Associate
- Healthcare Data Analyst
- Digital Health Executive
- AI Research Assistant

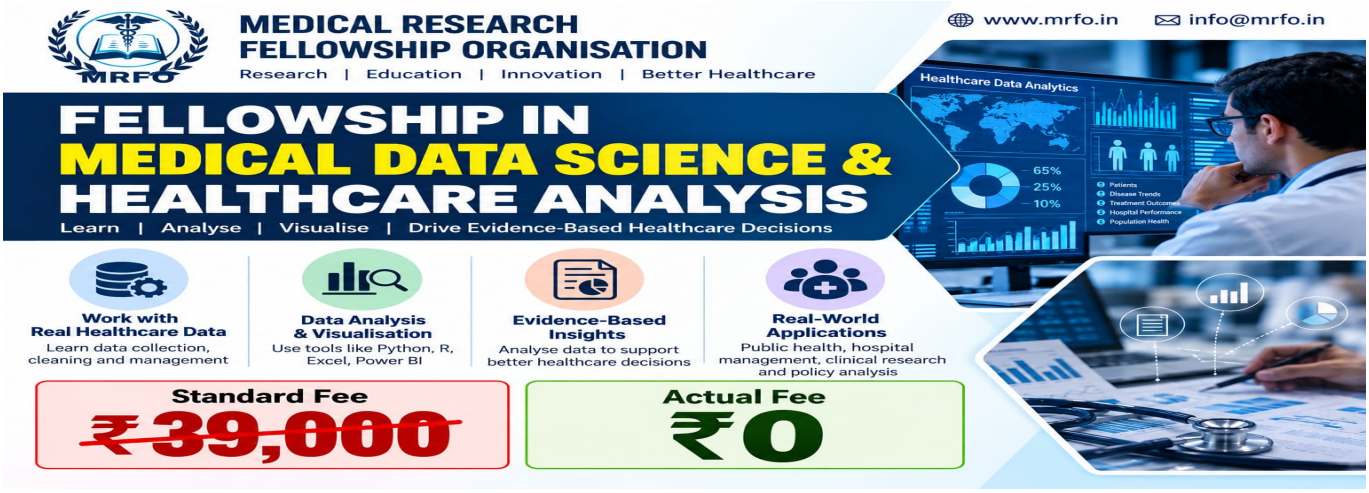
Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

02. Fellowship in Medical Data Science & Healthcare Analytics

Programme Code: MRFO-MDS-02 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A data-centric fellowship combining statistics, Python, SQL, data visualisation, Power BI and Machine Learning with real-world healthcare analytics. The programme is designed for learners who want to work with hospital, public-health, clinical or health-program data.

Learning Outcomes

- Understand healthcare data structures and quality issues.
- Use Excel, SQL and Python for data preparation and analysis.
- Apply descriptive statistics and basic machine learning.
- Build healthcare dashboards and KPI reports.
- Present an end-to-end healthcare analytics capstone.

Expert-Led Clinical / Industry Training

Expert-led analytics labs using sample hospital/public-health datasets, dashboard walkthroughs, case-based interpretation and supervised project reviews. Clinical learners can work on workflow and clinical KPI cases without making independent clinical decisions.

Eligibility Criteria

12th Science (Foundation); Graduate; B.Sc./B.Pharm/BMLT/Nursing/Allied Health; MBBS and healthcare professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	Healthcare Data Fundamentals
2	Advanced Excel for Healthcare
3	Statistics & Biostatistics
4	Python Programming
5	NumPy & Pandas
6	SQL & Healthcare Databases

7	Data Cleaning & Quality
8	Power BI/Tableau Healthcare Dashboards
9	Machine Learning
10	Predictive Healthcare Analytics
11	Real-World Healthcare Data Project
12	Capstone, Viva & Assessment

Key Highlights

- Python + SQL + Power BI
- Healthcare statistics
- Real-world data projects
- Dashboard development
- Strong employability for analytics roles

Career / Job Roles

- Healthcare Data Analyst
- Medical Data Analyst
- Healthcare BI Analyst
- Clinical Data Associate
- Hospital MIS/Analytics Executive

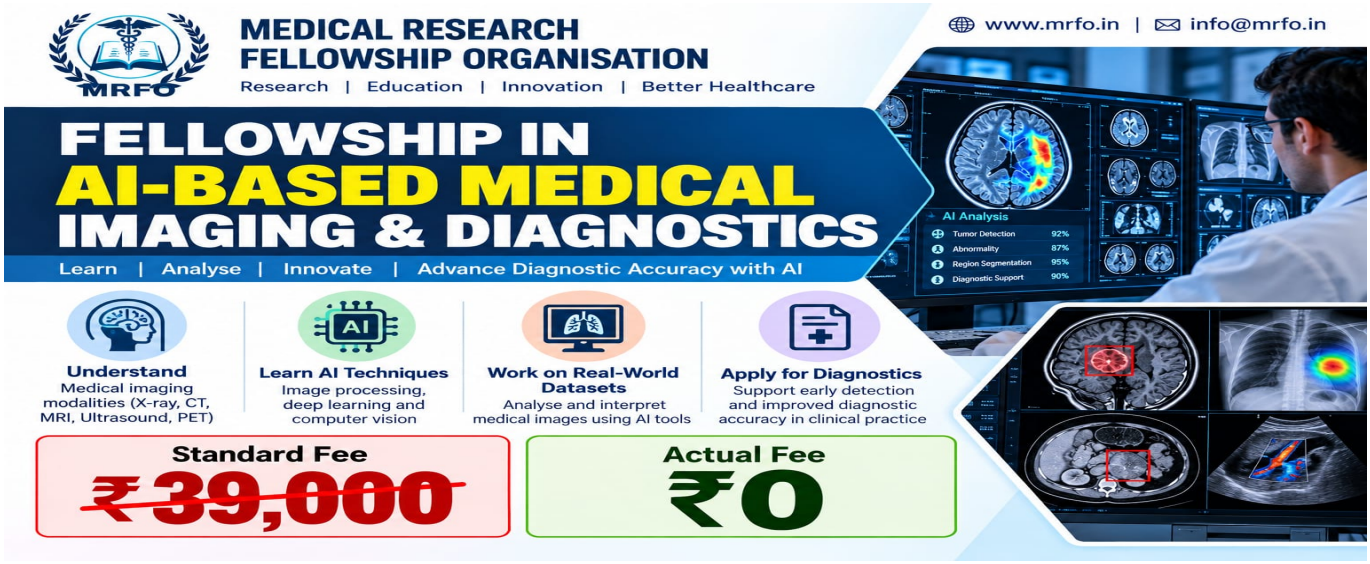
Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

03. Fellowship in AI-Based Medical Imaging & Diagnostics

Programme Code: MRFO-AMI-03 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A specialised programme covering medical imaging fundamentals and the use of computer vision and deep learning for analysis of X-ray, CT, MRI and other digital medical images. Emphasis is placed on technology, research and workflow support rather than independent diagnosis.

Learning Outcomes

- Explain core X-ray, CT and MRI concepts.
- Prepare and visualise digital medical-image datasets.
- Understand computer vision and CNN workflows.
- Evaluate basic image-classification and segmentation concepts.
- Develop an imaging-AI capstone using sample/de-identified data.

Expert-Led Clinical / Industry Training

Expert-led imaging workshops, digital-image demonstrations, computer-vision labs and supervised case discussions. Where arranged, learners may receive observational exposure to radiology/imaging workflows; clinical interpretation remains with qualified professionals.

Eligibility Criteria

12th Science (Foundation); B.Sc./BMLT/Radiology/Allied Health; MBBS/MD and relevant medical/imaging professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	Medical Imaging Foundations
2	X-Ray & Digital Radiography
3	CT Imaging Fundamentals

4	MRI Fundamentals
5	Digital Image Processing
6	Python for Medical Imaging
7	Computer Vision
8	CNN & Deep Learning
9	Image Classification
10	Segmentation & Detection
11	Medical Imaging AI Project
12	Capstone, Viva & Assessment

Key Highlights

- X-ray/CT/MRI + AI
- Computer Vision
- CNN & Deep Learning
- Image-processing practicals
- Research-oriented capstone

Career / Job Roles

- Medical Imaging AI Associate
- Radiology Data Analyst
- Imaging Informatics Associate
- Medical AI Research Assistant
- Healthcare Computer Vision Associate

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

04. Fellowship in Clinical Informatics & Digital Health

Programme Code: MRFO-CID-04 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A one-year programme on the intersection of healthcare delivery, information systems, clinical data and digital technologies. It introduces EHR/EMR, hospital information systems, interoperability, clinical decision-support concepts, telemedicine and healthcare analytics.

Learning Outcomes

- Map basic hospital and clinical information workflows.
- Understand EHR/EMR and health-information systems.
- Explain interoperability concepts including HL7/FHIR at an introductory level.
- Use healthcare data and dashboards for operational insights.
- Design a digital-health improvement project.

Expert-Led Clinical / Industry Training

Expert-led hospital workflow case studies, EHR/EMR demonstrations, digital-health implementation exercises and supervised project reviews. Optional field/hospital exposure may be arranged subject to availability.

Eligibility Criteria

12th Science (Foundation); Graduate; Nursing/Pharmacy/Allied Health; MBBS and healthcare professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	Healthcare Systems & Digital Transformation
2	Hospital Information Systems
3	EHR/EMR Fundamentals

4	Healthcare Databases
5	Clinical Data Standards
6	HL7 & FHIR Introduction
7	Clinical Decision Support
8	Healthcare Analytics
9	AI in Clinical Informatics
10	Digital Health & Telemedicine
11	Health IT Project
12	Capstone & Final Assessment

Key Highlights

- EHR/EMR
- Digital health
- Interoperability
- Clinical data analytics
- Health-IT project

Career / Job Roles

- Clinical Informatics Associate
- Health IT Executive
- EHR Implementation Associate
- Digital Health Coordinator
- Hospital IT/Data Executive

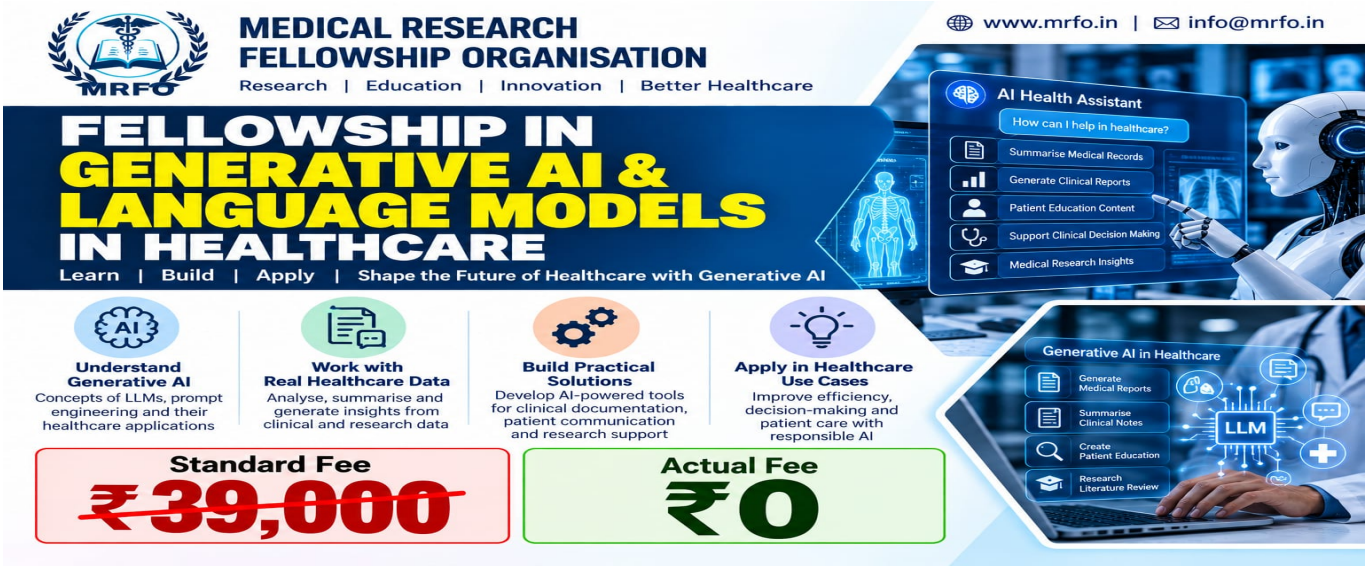
Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

05. Fellowship in Generative AI & Large Language Models in Healthcare

Programme Code: MRFO-GAI-05 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A future-focused fellowship on Generative AI, Large Language Models, prompt engineering, medical NLP, retrieval-augmented generation and AI workflow automation. Learners build practical prototypes for documentation, information retrieval, communication and administrative use cases.

Learning Outcomes

- Explain Generative AI and LLM fundamentals.
- Create effective and safe healthcare prompts.
- Understand NLP, embeddings and RAG concepts.
- Prototype healthcare chat/information workflows.
- Evaluate hallucination, privacy, bias and safety risks.

Expert-Led Clinical / Industry Training

Expert-led GenAI labs, prompt-engineering workshops, medical-documentation simulations and supervised AI prototype reviews using non-sensitive/sample information. The programme does not authorise autonomous clinical diagnosis or treatment.

Eligibility Criteria

12th Pass/Science (Foundation); Graduate; MBBS and healthcare professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	AI & Generative AI Foundations
2	Prompt Engineering
3	Python for AI

4	Natural Language Processing
5	Large Language Models
6	Medical NLP
7	Embeddings & RAG
8	AI Agents in Healthcare
9	Medical Documentation Automation
10	Responsible & Safe AI
11	Healthcare GenAI Project
12	Capstone, Viva & Assessment

Key Highlights

- GenAI + LLM
- Prompt engineering
- Medical NLP
- RAG and AI agents
- Hands-on prototype

Career / Job Roles

- Healthcare GenAI Associate
- AI Prompt Specialist
- Medical AI Content Analyst
- Healthcare Automation Associate
- AI Research Assistant

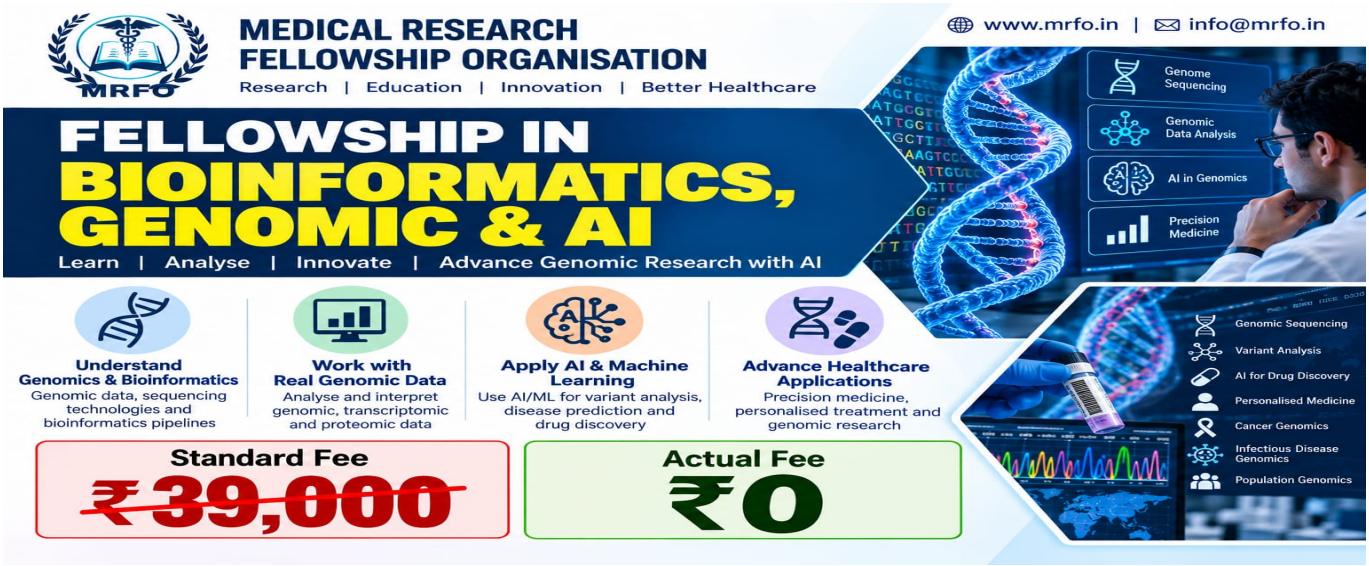
Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

06. Fellowship in Bioinformatics, Genomics & AI

Programme Code: MRFO-BGA-06 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A research-oriented fellowship combining genetics, genomics, bioinformatics, biological databases, Python and AI/ML. The programme introduces learners to modern genomic data workflows and precision-medicine concepts.

Learning Outcomes

- Explain genetics, genomics and sequencing fundamentals.
- Work with biological and genomic datasets at an introductory level.
- Use Python for basic bioinformatics analysis.
- Understand AI/ML applications in genomics.
- Develop a genomics/precision-medicine research project.

Expert-Led Clinical / Industry Training

Expert-led bioinformatics demonstrations, genomic-data exercises and supervised research-project mentoring using public/sample datasets. Clinical applications are discussed as educational/research workflows.

Eligibility Criteria

12th Science; B.Sc. Biotechnology/Biochemistry/Life Sciences; B.Pharm; MBBS and relevant professionals.

12-Month Course Curriculum

Month	Module
1	Molecular Biology Foundations
2	Genetics & Genomics
3	DNA/RNA Sequencing
4	Bioinformatics Fundamentals
5	Biological Databases
6	Python for Bioinformatics
7	Genomic Data Analysis

8	Machine Learning in Genomics
9	Precision Medicine
10	AI for Genomic Interpretation
11	Genomics Research Project
12	Capstone & Assessment

Key Highlights

- Genomics + AI
- Python bioinformatics
- Sequencing concepts
- Precision medicine
- Research project

Career / Job Roles

- Bioinformatics Associate
- Genomics Data Analyst
- Research Assistant
- Precision Medicine Associate
- Life Science Data Analyst

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

07. Fellowship in AI in Radiology & Medical Imaging

Programme Code: MRFO-RAD-07 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A radiology-focused AI fellowship covering imaging workflows, PACS/DICOM, image processing, computer vision and AI-assisted detection concepts. It is designed for technology, research and imaging-informatics career pathways.

Learning Outcomes

- Understand radiology workflow and digital imaging systems.
- Explain PACS and DICOM fundamentals.
- Apply basic image-processing techniques.
- Understand CNN-based radiology AI workflows.
- Build a supervised imaging-informatics project.

Expert-Led Clinical / Industry Training

Expert-led radiology workflow demonstrations, PACS/DICOM orientation, imaging-AI labs and supervised case discussions. Optional observational training may be arranged with an appropriate clinical/diagnostic partner.

Eligibility Criteria

12th Science (Foundation); B.Sc. Radiology/Imaging/Allied Health; MBBS/MD/DNB Radiology and relevant professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	Radiology Fundamentals
2	X-Ray
3	CT
4	MRI
5	PACS & DICOM
6	Digital Image Processing

7	Computer Vision
8	CNN & Deep Learning
9	AI-Assisted Detection
10	Radiology Data & Workflow
11	Radiology AI Project
12	Capstone & Final Assessment

Key Highlights

- Radiology + AI
- PACS/DICOM
- Computer vision
- Deep learning
- Imaging workflow project

Career / Job Roles

- Radiology AI Associate
- Imaging Informatics Executive
- Radiology Data Analyst
- Medical AI Research Associate

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

08. Fellowship in AI in Clinical Research & Clinical Trials

Programme Code: MRFO-CRT-08 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A clinical-research fellowship integrating research methodology, biostatistics, clinical-trial operations, clinical data management, AI/ML and real-world evidence. It prepares learners for research and data-support roles.

Learning Outcomes

- Explain clinical-research and trial fundamentals.
- Understand study design, endpoints and basic biostatistics.
- Work with clinical datasets and data-quality processes.
- Understand AI/ML use cases in clinical research.
- Prepare a structured clinical-research project/report.

Expert-Led Clinical / Industry Training

Expert-led protocol and case-review sessions, data-management exercises, trial workflow simulations and supervised research-project mentoring. Clinical-trial participation is educational and does not independently authorise trial conduct.

Eligibility Criteria

Graduate; B.Pharm/Pharm.D/Life Sciences/Nursing; MBBS; 12th Science may enter Foundation Track.

12-Month Course Curriculum

Month	Module
1	Clinical Research Fundamentals
2	Research Methodology
3	Biostatistics
4	Clinical Trial Design
5	Trial Phases & Operations
6	Clinical Data Management
7	Python for Research
8	AI/ML in Clinical Research
9	Real-World Evidence

10	Pharmacovigilance & Analytics
11	Research Project
12	Dissertation/Capstone & Assessment

Key Highlights

- Clinical research + AI
- Biostatistics
- Clinical data management
- RWE & analytics
- Research capstone

Career / Job Roles

- Clinical Research Associate
- Clinical Data Associate
- Clinical Research Coordinator
- Research Data Analyst
- Clinical Trial Data Executive

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

09. Fellowship in AI in Pathology & Digital Pathology

Programme Code: MRFO-PAT-09 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A digital-pathology programme introducing histopathology, microscopy, digital image processing, computer vision and AI-assisted pathology workflows. The focus is on technology, data, research and laboratory workflow support.

Learning Outcomes

- Explain core pathology and histopathology terminology.
- Understand digital-slide and microscopy workflows.
- Process and visualise pathology images.
- Explain AI image-classification concepts.
- Develop a digital-pathology research/technology project.

Expert-Led Clinical / Industry Training

Expert-led digital microscopy demonstrations, image-analysis labs and supervised case-based learning using sample/de-identified material. Diagnostic decisions remain the responsibility of qualified pathology professionals.

Eligibility Criteria

12th Science; BMLT/DMLT/B.Sc. MLT/Life Sciences; MBBS/Pathology professionals (Advanced Track).

12-Month Course Curriculum

Month	Module
1	Pathology Foundations
2	Histopathology
3	Cytology
4	Digital Pathology

5	Microscopy & Digital Images
6	Image Processing
7	Computer Vision
8	Deep Learning
9	AI Image Classification
10	Digital Pathology Workflow
11	Pathology AI Project
12	Capstone & Assessment

Key Highlights

- Digital pathology
- AI + computer vision
- Microscopy workflows
- Image analytics
- Research project

Career / Job Roles

- Digital Pathology Associate
- Pathology Data Analyst
- Medical Imaging AI Associate
- Research Assistant

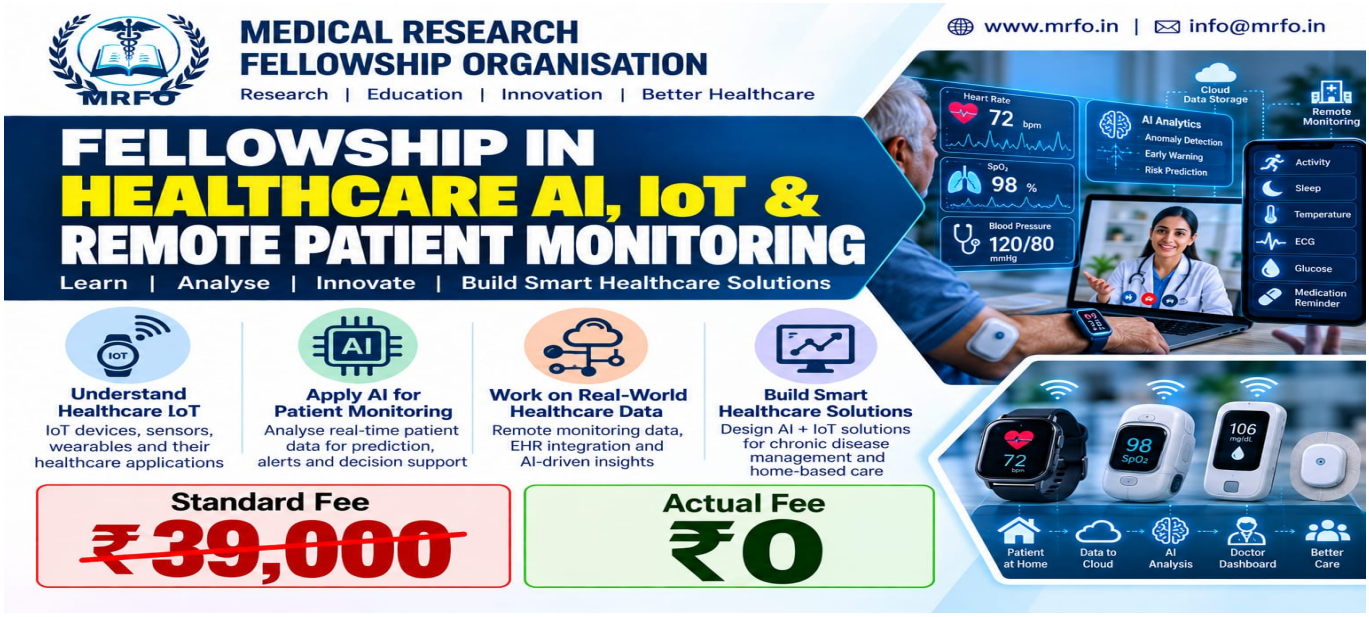
Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

10. Fellowship in Healthcare AI, IoT & Remote Patient Monitoring

Programme Code: MRFO-IOT-10 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A technology-focused fellowship covering healthcare IoT, sensors, wearables, remote patient monitoring, healthcare data pipelines and AI-based predictive monitoring. Learners understand how connected devices can support digital-health workflows.

Learning Outcomes

- Explain healthcare IoT and remote-monitoring architecture.
- Understand sensors, wearables and basic data pipelines.
- Analyse time-series healthcare data at an introductory level.
- Understand predictive-monitoring models.
- Design a remote-monitoring technology prototype/project.

Expert-Led Clinical / Industry Training

Expert-led demonstrations of wearable/IoT concepts, sample sensor-data analysis, remote-monitoring workflow simulations and supervised project development. No independent clinical monitoring or treatment authority is conferred.

Eligibility Criteria

12th Science; Graduate; Nursing/Allied Health; MBBS and healthcare professionals.

12-Month Course Curriculum

Month	Module
1	Healthcare IoT Foundations
2	Sensors & Wearables
3	Remote Patient Monitoring
4	Healthcare Data Pipelines

5	Python
6	IoT Data Analytics
7	Machine Learning
8	Predictive Monitoring
9	Telemedicine
10	AI-Based Patient Monitoring
11	IoT Healthcare Project
12	Capstone & Assessment

Key Highlights

- AI + IoT
- Wearables
- Remote monitoring
- Predictive analytics
- Digital-health project

Career / Job Roles

- Digital Health Associate
- Remote Monitoring Coordinator
- Healthcare IoT Analyst
- Health-Tech Executive
- Digital Health Project Associate

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

11. Fellowship in Public Health Data Science & Epidemiology

Programme Code: MRFO-PHD-11 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

A practical public-health analytics fellowship combining epidemiology, biostatistics, health-survey data, Python, SQL, dashboards and AI/ML. It is suitable for learners interested in health programmes, surveillance and evidence-based decision support.

Learning Outcomes

- Explain basic epidemiology and public-health indicators.
- Clean and analyse survey/health-programme data.
- Use statistics, SQL and Python for analysis.
- Build public-health dashboards and reports.
- Apply basic AI/ML concepts to population-health datasets.

Expert-Led Clinical / Industry Training

Expert-led public-health case studies, surveillance-data exercises, dashboard labs and supervised project reviews using sample/de-identified datasets.

Eligibility Criteria

12th Pass/Science (Foundation); Graduate; Nursing/Public Health/Life Sciences; MBBS and healthcare professionals.

12-Month Course Curriculum

Month	Module
1	Public Health Foundations
2	Epidemiology

3	Biostatistics
4	Health Survey Data
5	Excel & SQL
6	Python
7	Data Visualisation
8	Power BI
9	AI/ML in Public Health
10	Disease Surveillance
11	Public Health Dashboard Project
12	Capstone & Assessment

Key Highlights

- Epidemiology + Data Science
- Python + SQL
- Power BI
- Health surveillance
- Dashboard project

Career / Job Roles

- Public Health Data Analyst
- Epidemiology Data Associate
- Health Programme MIS Analyst
- Public Health Research Assistant
- Health Dashboard Executive

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

12. Fellowship in AI-Based Drug Discovery & Precision Medicine

Programme Code: MRFO-DDP-12 | Duration: 1 Year | Standard Fee: ₹39,000



Course Description

An advanced research-oriented fellowship introducing drug-discovery workflows, pharmacology concepts, bioinformatics, molecular data, machine learning and precision medicine. It is designed for learners interested in pharmaceutical, biotechnology and computational research pathways.

Learning Outcomes

- Explain major stages of modern drug discovery.
- Understand molecular and biological datasets.
- Use introductory Python and ML for research workflows.
- Explain AI applications in drug discovery and precision medicine.
- Develop a computational drug-discovery/precision-medicine capstone.

Expert-Led Clinical / Industry Training

Expert-led research seminars, molecular-data demonstrations, computational exercises and supervised capstone mentoring using public/sample datasets. The programme is educational/research-focused and does not authorise clinical prescribing.

Eligibility Criteria

12th Science; B.Pharm/Pharm.D/B.Sc. Life Science/Biotech; MBBS; M.Pharm/M.Sc. and relevant professionals.

12-Month Course Curriculum

Month	Module
1	Drug Discovery Fundamentals

2	Pharmacology Basics
3	Molecular Biology
4	Bioinformatics
5	Molecular Databases
6	Python
7	Machine Learning
8	AI in Drug Discovery
9	Molecular Modelling
10	Precision Medicine
11	AI Drug Discovery Project
12	Capstone, Viva & Assessment

Key Highlights

- Drug discovery + AI
- Bioinformatics
- Machine learning
- Precision medicine
- Research capstone

Career / Job Roles

- Drug Discovery Research Associate
- Bioinformatics Associate
- Computational Biology Associate
- Pharmaceutical Data Analyst
- AI Research Assistant

Standard Fee	MRFO Entrance Exam Route	Stipend / Grant
₹39,000	**₹0 Tuition Fee***	**Up to ₹1,20,000 / Year***

** Subject to MRFO Entrance Exam selection, eligibility, documentation, scheme availability and applicable terms & conditions. Stipend/grant is not guaranteed to every applicant.*

Medical Research Fellowship Organisation

Admission & Enquiry

How to Apply

- Select the fellowship programme according to your educational background and career objective.
- Complete the MRFO admission/entrance examination process as announced.
- Submit the required eligibility and identity documents.
- Candidates selected under the scholarship scheme may receive a 100% tuition-fee waiver and may be considered for the applicable stipend/grant.
- Complete the 12-month academic, practical and capstone requirements for fellowship certification.

Contact MRFO

Organisation	Medical Research Fellowship Organisation (MRFO), New Delhi
Website	mrfo.in
Helpline	7480045472
Email	info@mrfo.in

“Learn. Apply. Research. Innovate in Healthcare.”

Sample Certificate

