

THE TAMIL NADU DR.MGR MEDICAL UNIVERSITY
RESEARCH GRANT UNDER THEME BASED RESEARCH

DURATION OF THE PROJECT: 1 YEAR

RESEARCH GRANT: Minimum 2 Lakhs – Maximum 20 Lakhs (depends on the selection criteria)

PROPOSED THEMES FOR ALLIED HEALTH SCIENCES (AHS)

1. Human–AI Trust, Bias, and Decision Errors in Clinical Practice
2. Digital Burnout, Neuro-Fatigue, and Performance Decline in Health Students
3. Virtual and Augmented Reality in Rehabilitation and Skill Training
4. Wearables, Sensors, and Predictive Health Monitoring
5. Voice, Gait, and Movement as Digital Biomarkers of Disease
6. Gamification and Behavioral Design in Therapy Adherence
7. Microplastics, Nanomaterials, and Hidden Health Exposures
8. Digital Phenotyping for Early Mental Health Risk Detection
9. Smart Hospitals: Technology, Workflow, and Human Factors
10. Ethics, Equity, and Accountability in Emerging Health Technologies.

Tamil Nadu Dr. MGR Medical University – Theme-Based Research Proposal Submission Guidelines

Eligibility:

Only Students and Faculty of Allied Health Sciences from affiliated colleges of Tamil Nadu Dr. MGR Medical University, Guindy, Chennai, are eligible to submit proposals.

Eligibility Criteria

- Undergraduate (UG) students
- Postgraduate (PG) students
- Ph.D. Scholars
- Faculty members of Allied Health Sciences
- Interdisciplinary proposals are encouraged

- **Each applicant is permitted to submit only ONE proposal**

❖ **Final-year UG and PG students are NOT eligible**

Guide / Co-Investigator Requirement

- **One faculty member as Guide / Co-Investigator is mandatory** for all student proposals
- Faculty members may apply as **Principal Investigator (PI)**
- **Maximum one Co-Investigator / Guide only** is permitted

Proposal Submission Guidelines

- Proposals must be **original and unpublished**
- Select **ONLY ONE theme**
- Maximum proposal length: **3 pages**
- Clearly indicate applicant category: **UG / PG / Faculty**
- Methodology must be **feasible within academic timelines**
- **Plagiarism similarity index must be less than 10%**

Selection Criteria

Proposals will be evaluated based on:

- Novelty and innovation (**major weightage**)
- Relevance to the selected theme
- Feasibility and clarity of study design
- Potential academic, clinical, or societal impact

❖ **Selection is strictly novelty-based**

Mandatory Proposal Format

1. **Title of the Study**
(Concise, innovative, and theme-aligned)
2. **Selected Theme**
(Mention theme number and title)

3. Background and Rationale

(Brief context, problem statement, and research gap – maximum 300 words)

4. Objectives

- Primary objective
- Secondary objectives

5. Methodology

- Study design
- Study population and sample size
- Tools, techniques, or technology involved
- Data analysis plan

6. Innovation Component

(Describe what makes the proposal novel or unique)

7. Expected Outcomes

(Academic, clinical, technological, or policy relevance)

8. Applicant Details

- Name and designation (UG / PG / Faculty)
- Department
- Contact details

9. Guide / Co-Investigator Details

- Name and designation
- Department
- Signature (for hard copy submission, if applicable)

Important Information

- **Last date for submission: 25 January 2026**
- **Mode of submission:**

Online (Google Form)

Submission Link

<https://forms.gle/heNc4FvbFixCGcUG6>

General Instructions

- Incomplete proposals will be **rejected without review**
- Only **one proposal per applicant** is permitted
- The decision of the **Selection Committee shall be final**

For Queries

Coordinator – Theme-Based Research

Email: research@tnmgrmu.ac.in

Mobile: 9445936151

Selection Criteria for Theme-Based Research Proposals

Each proposal will be evaluated on the following criteria. Proposals that meet the highest standards in each category will be prioritized for funding.

1. Innovation and Novelty (25%)

The project should demonstrate a high degree of originality and creativity.

Proposals introducing new concepts, methodologies, or approaches will be given preference.

Studies addressing unexplored or under-researched areas in the field of Medical or AYUSH sciences will score higher.

2. Relevance to Health Needs (25%)

The project must address a significant health issue or gap that aligns with current healthcare priorities.

Proposals that contribute to improved health outcomes for communities, particularly in areas critical to public health, will be prioritized.

- Projects that offer solutions to pressing health challenges in Tamil Nadu or the broader Indian population will be considered more favorably.

3. Scientific Rigor and Feasibility (20%)

The proposed methodology should be robust, well-defined, and scientifically sound.

The objectives and hypotheses should be clear and achievable within the study timeline and budget.

The feasibility of conducting the research within the institution and resource availability will be assessed.

4. Potential for Impact (15%)

Proposals with the potential to significantly influence healthcare practices, policies, or treatments will be prioritized.

Projects that could have a transformative impact on patient care, disease prevention, or public health practices will be rated higher.

Studies likely to result in publishable findings in high-impact journals or to lead to further research will score well in this category.

5. Sustainability and Practical Application (15%)

The project should have long-term relevance and applicability in real-world settings.

Proposals that include plans for translating findings into practice or policy and outline a pathway for sustainable implementation will be favored.

6. Ethical Considerations

The study must comply with ethical standards and include provisions for participant safety and data confidentiality.

Each criterion will be scored on a scale from 1 to 5, with higher scores indicating stronger alignment with the criterion. Only proposals meeting all these criteria will be considered for funding. Projects that excel in these areas will be considered strong candidates for funding and support under the Theme-Based Research initiative.

Proposal Template

1. Title of the Project

Choose a concise, descriptive title that reflects the main objective of the study.

Avoid jargon and acronyms unless widely accepted.

2. Principal Investigator (PI) and Co-Investigators

Provide the name, designation, department, institution, and contact information of the PI.

Include names and affiliations of coinvestigators and collaborators, if any.

3. Rationale/Background

Describe the problem or issue the study addresses.

Summarize relevant literature to provide a context for the research.

Clearly state the gap(s) in knowledge or unmet needs that the project aims to address.

Specify the significance and relevance of the study in terms of public health or scientific advancement.

4. Objectives

State the primary and secondary objectives of the study.

Objectives should be specific, measurable, achievable, relevant, and timebound (SMART).

5. Hypotheses (if applicable)

State the hypothesis or hypotheses to be tested in the study.

Ensure they align with the objectives.

6. Methodology

Study Design: Describe the type of study (e.g., observational, experimental, cross-sectional, cohort, randomized controlled trial).

Study Population: Define the target population, including inclusion and exclusion criteria.

Sample Size: Provide a sample size estimate, including the justification and calculations.

Data Collection: Describe the methods and tools for data collection (e.g., surveys, clinical assessments, laboratory tests).

Variables: List primary and secondary variables with measurement units, if applicable.

Data Analysis: Outline the statistical methods or software that will be used for analysis.

Ethics Consideration: State ethical considerations and procedures for obtaining informed consent.

7. Expected Outcomes/Impact

Describe the anticipated results or findings.

Explain the potential impact on public health, policy, or further research.

8. Work Plan/Timeline

Provide a timeline with key milestones and activities for each phase (e.g., literature review, data collection, analysis, report writing).

Include estimated completion time in months or quarters.

9. Budget

Give a preliminary estimate of the budget required for the study.

Break down costs by categories like personnel, equipment, consumables, travel, and contingency.

10. References

List all references cited in the proposal, following a standard citation format (e.g., Vancouver or APA style).

11. Appendices (if any)

Attach any additional documents, like preliminary data, survey tools, or letters of support, if required by ICMR guidelines.

Covering letter template

From

Date

To

The Registrar

The TN Dr.MGR Medical University

69, Anna Salai, Guindy, Chennai-32

Subject: Submission of Research Proposal for Funding under TBR -AHS 2025 – Project Title

Dear Sir/Madam,

We are pleased to submit a research proposal titled “[Title of the Project]” for consideration of funding under the TN Dr.MGR Medical University TBR grants scheme. This study aims to address [briefly state the main objective and importance of the study, e.g., “the association between maternal serum homocysteine levels and pregnancy-induced hypertension” or “the development of a sustainable biosensor for water pollutant detection”]. The study’s results are expected to [mention anticipated impact or significance, e.g., “provide crucial insights into preventive strategies for maternal health” or “contribute to sustainable environmental monitoring solutions in India”].

The research team is led by [Principal Investigator’s Name, Designation], with the collaboration of [Coinvestigators’ Names and Institutions, if applicable]. Our institution, [Name of Institution], is fully committed to supporting this research and providing the necessary resources to ensure its successful completion.

We have enclosed all required documents, including the detailed proposal, budget estimate, and ethical clearance certificate, for your perusal. We believe that this study aligns with the objectives of the University and addresses a pressing need in the field of [mention field, e.g., maternal health, public health, environmental science].

We kindly request you to consider this proposal for funding. We are committed to ensuring compliance with all ICMR guidelines and ethical standards in conducting this research.

Thank you for considering our submission. We look forward to a positive response and the opportunity to contribute to advancing research in [mention field].

Sincerely,

Principal Investigator's Name

Principal Investigator's Designation and Department

Institution Name

Contact Information, including email and phone number

Endorsed by:

Head of Institution's Signature with seal