



## IGNITE

### Inspiring Growth, Novelty, Innovation, Translation & Exploration

#### **An Initiative by Amala Integrated Medical Research Department (AIMRD) For MBBS Students – Amala Institute of Medical Sciences (AIMS)**

The Amala Integrated Medical Research Department (AIMRD) proudly introduces a new and independent initiative, the IGNITE (Inspiring Growth, Novelty, Innovation, Translation & Exploration), exclusively designed for MBBS students at Amala Institute of Medical Sciences (AIMS). This program is built to nurture early-stage innovation, critical thinking, and collaborative problem-solving among undergraduate medical students, laying the foundation for their journey as future clinician-innovators.

#### **Program Overview:**

The IGNITE Program engages students in brainstorming-based innovation sessions, where they will work in groups of three to explore real-world medical and healthcare challenges. Through guided ideation and structured discussions, students will conceptualize innovative solutions or research ideas with translational relevance. The most promising concepts will be refined under AIMRD mentorship and supported through IPR (Intellectual Property Rights) filing, ensuring students are introduced early to the process of innovation protection and development.

#### **Core Objectives:**

- To introduce medical undergraduates to creative and translational thinking in medicine.
- To provide a platform for collaborative ideation and innovation.
- To empower students to translate clinical observations into researchable or patentable ideas.
- To enhance awareness about the importance of intellectual property in medical research.
- To build a culture of research-centric inquiry and innovation at the undergraduate level.

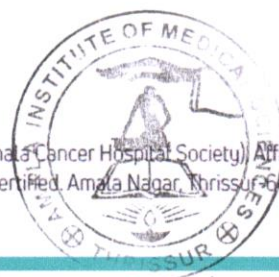
#### **Program Flow:**

1. Team Formation – Groups of 3 students formed across the MBBS 2nd year batch.
2. Brainstorming Sessions – Guided workshops for ideation, problem mapping, and solution modeling.
3. Idea Selection – Shortlisting of ideas based on novelty, feasibility, and relevance.
4. Mentorship Phase – Scientific and strategic support from AIMRD to refine ideas.
5. IPR Support – Training on basics of patents and hands-on assistance with filing IPR for selected ideas.
6. Presentation & Recognition – Opportunity to present outcomes within institutional forums.

#### **Anticipated Impact on Amala Institute of Medical Sciences:**

- Cultivates an early culture of innovation among undergraduate medical students.
- Positions AIMS as a forward-thinking, research-integrated medical institution.
- Increases institutional intellectual property output and visibility in the innovation ecosystem.
- Inspires a generation of clinically observant and research-savvy physicians.

The IGNITE marks a transformative step toward student-led medical innovation and will serve as a dynamic platform for nurturing tomorrow's healthcare pioneers.





### **Institutional Impact & Strategic Advantages:**

The IDEA Program is poised to generate significant academic and reputational impact for Amala Institute of Medical Sciences:

- **Improvement in Accreditation and Ranking Metrics**  
The program directly aligns with key evaluation criteria set by national accreditation and ranking bodies such as:
  - NAAC (National Assessment and Accreditation Council) – Enhances “Research, Innovation & Extension” metrics through student-led projects and IPR outputs.
  - NIRF (National Institutional Ranking Framework) – Contributes to “Research and Professional Practices,” including IPR filings, project outcomes, and student engagement.
  - KIRF – Improves knowledge innovation indicators and institutional research standing in Kerala.
  - NMC (National Medical Commission) – Fulfills mandates under "Attitude, Ethics & Communication (AETCOM)" and research skill development.
  - KUHS (Kerala University of Health Sciences) – Reinforces institutional commitment to undergraduate research excellence and innovation.
- **IPR Generation**  
Patentable ideas developed under this program will add to the institute’s intellectual property portfolio, showcasing its innovative capabilities.
- **Research Culture Enhancement**  
By exposing undergraduates to research and innovation early, AIMS strengthens its academic ecosystem, setting a model for other institutions.
- **Faculty-Student Engagement**  
Encourages cross-disciplinary mentoring and collaboration between faculty and students, thereby enhancing mentoring quality and research output.

*Betsy*



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