AIIMS Bibinagar and IIIT Hyderabad host hackathon and pick five AI-based healthcare innovations

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Access to Rs 5 lakh seed grant, research support, prototype development, and long-term incubation for winners

In a pioneering initiative to foster innovation at the intersection of medicine and technology, AIIMS Bibinagar and the Centre for Innovation and Entrepreneurship (CIE) at IIIT Hyderabad jointly conducted the *MedCare AI Impact Hackathon.*

The event brought together doctors, medical students, researchers, and deep-tech innovators to co-create scalable, AI-driven healthcare solutions.

Over 65 ideas were submitted for the challenge, of which 17 promising teams were shortlisted for the final round. The top five teams were awarded early-stage programme funding, access to IIIT-H's research labs, and incubation support under a joint CIE-AIIMS initiative.

Winning ideas included smart dental diagnostics, ML-based defect detection post-root canal therapy, portable caries scanners, predictive analytics for surgical planning, and real-time monitoring for critical care.

The hackathon featured dual tracks—one tailored for medical practitioners and the other for med-tech researchers—focusing on building AI-enabled clinical tools, diagnostics, and care delivery models. The event was designed to translate on-ground clinical challenges into viable healthtech solutions using AI/ML, computer vision, and IoT.

Top Innovations included-

o *AI Dent Triage*: AI-powered multimodal triage for dental diagnostics

o *NeoScreen AI*: Offline-compatible stool image analyser for early detection of Extrahepatic biliary atresia (EHBA)

o *TMJ 3D View*: Automated 3D segmentation of the temporomandibular joint (TMJ) from MRI scans

o *Gluco Pulse*: Smart 3D-printed mouthguard to monitor salivary glucose

o *Safeped AI*: Pediatric surgical safety checklist powered by AI