KAIROS 2027 — Official Event Brochure

Sathyabama Institute of Science and Technology (Deemed to be University) · Category-1 University (NAAC A++)

Organized by: AWS Student Builder Group (SIST Chapter) · Dept. of CSE, School of Computing

AWS SBG · SIST
48-Hour Cloud Hackathon



GRAND FINALE DATES	OFFICIAL VENUE	PRIZE POOL	SQUAD SIZE
Jan 22–24, 2027 (48H)	**Indoor Stadium, Sathyabama**	**₹1.75L + $50K+ Credits**	**3 to 6 Builders**

1. SCREENING PIPELINE & FEE POLICY

- **Round 0 (Abstract & Cloud Blueprint · Free ₹0):** Register online and submit your team abstract & Round 0 Pitch Deck by **28 Dec 2026**.
- **Round 1 (Online Technical Qualifier · Free ₹0):** Top 250 semi-finalist squads submit working GitHub repositories & attend virtual architecture defense from **02–04 Jan 2027**.
- **Round 2 (On-Campus 48-Hour Grand Finale · Nominal Finalist Fee):** Top 100 national squads compete on campus (22–24 Jan 2027). Nominal confirmation fee applies **only if shortlisted** for Round 2; includes 7 meals, midnight snacks, chartered Chennai shuttle buses & builder streetwear kit.
- **100% Student IP Charter:** Organizers, institution, and sponsors claim **0% equity or IP rights** over code created at KAIROS 2027.

2. FIVE ENTERPRISE INNOVATION TRACKS (15 CHALLENGES · PS01–PS15)

Track	Domain Focus	Core AWS / Tech Stack
Track 01	Agentic AI & Generative Intelligence (PS01–PS03)	Amazon Bedrock, AWS Lambda, Amazon OpenSearch
Track 02	Cloud-Native & Distributed Systems (PS04–PS06)	Amazon ECS, DynamoDB, API Gateway, EventBridge
Track 03	Edge IoT & Clean Energy Infrastructure (PS07–PS09)	AWS IoT Core, Greengrass, Timestream, MQTT
Track 04	FinTech & Zero-Knowledge Cryptography (PS10–PS12)	AWS KMS, CloudHSM, PrivateLink, Nitro Enclaves
Track 05	Open Enterprise & Campus Automation (PS13–PS15)	Cognito, Amplify, S3, Serverless Cloud Architecture

On-Duty (OD) / Faculty Verification Reference: Outstation & local engineering students may present this official brochure (alongside their verified Team Code from *kairos.sathyabama.ac.in*) to request departmental On-Duty permission for **22–24 January 2027**. Verification inquiries: **sistawscc@gmail.com** | +91 6381801640.

3. INSTITUTIONAL GOVERNANCE, CONVENORS & ORGANIZING COMMITTEE

Chief Patrons

- Dr. Mariazeena Johnson — Chancellor, Sathyabama IST
- Dr. Marie Johnson — President, Sathyabama IST
- Ms. Maria Catherine Johnson — Vice President, Sathyabama IST

Patron

- Dr. B. Sheela Rani — Vice Chancellor, Sathyabama IST

Convenors

- Dr. L. Lakshmanan — Dean, School of Computing
- Dr. P. Ajitha — HOD, CSE (AI, BCT, CS, IOT, AIDS, CSBS)
- Dr. Senduru Srinivasulu — HOD, CSE (AIML, AIR, DS)

Faculty Co-ordinators (Dept. of CSE)

- Dr. K. Ashok Kumar — Professor / CSE
- Dr. S. Balapriya — Assistant Professor / CSE
- Ms. U. A. Ranjini — Assistant Professor / CSE

Student Co-ordinators (AWS SBG SIST)

- Mr. Thenappan T — President & SBGL
- Mr. Viswanathan Ashok — Hands-On Builder Lead
- Ms. Nangaiyar M — Community & Events Lead
- Ms. Caroline Mary McPherson — Media Team Lead
- Mr. Shanmugapriyan S — Technical Team Lead
- Mr. Rikish B — Design Team Lead
- Mr. Harshith Raj S — Media Team Lead
- Ms. Hemavashine S — Documentation Team Lead

4. VENUE TRANSIT, ESSENTIALS & EVALUATION MATRIX

Venue & Chartered Transit

- **Venue:** Indoor Stadium (Indoor Auditorium), Sathyabama Institute of Science and Technology, Rajiv Gandhi Salai (OMR), Chennai – 600119.
- **Bus Fleet:** Complimentary morning shuttles from Chennai Central (MAS), Tambaram (TBM), Chennai Airport (MAA), and CMBT Koyambedu on Jan 22.
- **Mandatory Check-In Docs:** Physical College ID card + Gov Photo ID + Digital Pass QR Code.

Judging Rubric (Z-Score Normalized · 100 Pts)

- Technical Architecture & Scalability: 25 pts
- Originality & Problem Understanding: 20 pts
- Working Prototype & UX: 25 pts
- Practical Viability & Pitch Defense: 20 pts
- Security, Code Freeze & Git Commit Hygiene: 10 pts