



Sarvajani University



Sarvajani College of Engineering and Technology

Computer Engineering Department

**A
Report
on**

BUILD YOUR OWN APP WITH AI & AWS

**Organized By
Coding Club & AWS SBCL**



Date: 17th August 2026 & 24th August 2026



Time: 3:00 PM to 5:00 PM



Venue: N. J. Seminar Hall



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Objectives of the event

- To bridge the gap between theoretical software concepts and practical production deployment using AWS Cloud infrastructure and AI tools.
- To guide students through the end-to-end application development lifecycle, from identifying real-world problems to developing and launching a scalable, user-ready application using AI and AWS.
- To provide hands-on exposure to full-stack serverless architecture, compound engineering, and AI-assisted software development.
- To empower student builders with industry resources, including **\$100 AWS credits**, access to the AWS Builder Center community, and startup pathways via AWS Activate.

Summary of the event

The Computer Engineering Department of SCET, in association with the SCET Coding Club and the AWS Student Builder Campus Program, organized a two-part hands-on seminar titled **“Build Your Own App with AI & AWS” on 17th and 24th August 2026 at the N. J. Seminar Hall**. The seminar was designed to bridge the gap between theoretical learning and building production-grade cloud software, with **291 Registrations**.

The event was conducted under the leadership of **Prof. (Dr.) Mayuri Mehta, Head of the Computer Engineering Department**, with guidance from faculty coordinators **Prof. (Dr.) Dhatri Pandya and Prof. (Dr.) Purvi Tandel**. The sessions were led by **Monil Patel (AWS Student Builder Campus Leader)**, along with **SCET Coding Club Lead Dwarkesh Ramani and Event Coordinator Yug Suthar**. The seminar included interactive quizzes, architectural breakdowns, real-world product case studies, live app demonstrations, and cloud credit onboarding.

Welcome Address & Guidance by HOD

The Head of the Department, **Prof. (Dr.) Mayuri Mehta** welcomed the participants and highlighted the importance of learning beyond the prescribed academic curriculum. The key points emphasized were:

- Academic learning contributes only 40–50% to a student’s overall education; **hands-on experiences through workshops, events, and practical activities** play an important role in skill development.
- Students should actively participate in hands-on events to **gain practical exposure and**

enhance their learning.

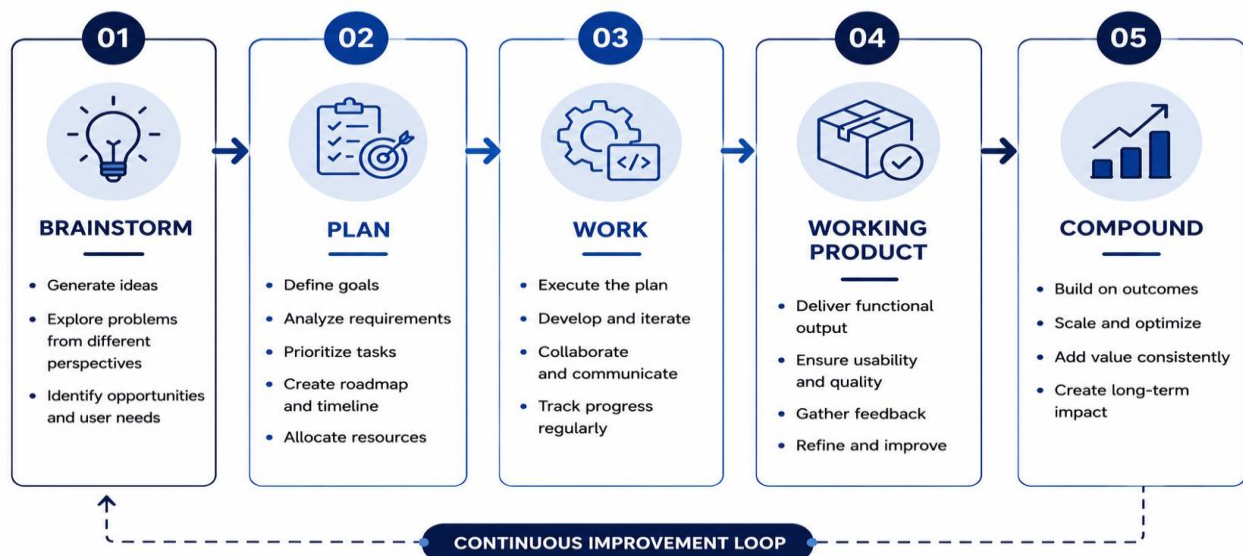
- Students should remain prepared for **new opportunities and emerging areas of technology**.
- Such events provide valuable opportunities for **network building and interaction with peers, professionals, and experts**.
- AI can **simplify tasks, enhance productivity, and improve efficiency**; students should learn to use AI effectively and responsibly while developing a strong understanding of the underlying concepts.

Key highlights of the Seminar

The session began with an introduction to the software product development journey, covering problem identification, product ideation, design, development, testing, deployment, validation, launch, and growth.

Students then explored the **practical process of taking a product idea from concept to a working application**, using the real-world example of Samrajya, a student-built multiplayer productivity application. Its technology stack was discussed, including **React Native, Expo, Amazon API Gateway, AWS Lambda, Amazon DynamoDB, Amazon Cognito, and Amazon S3**, along with the fundamentals of **serverless architecture** and how these **AWS services** work together in a real application.

The session also introduced Compound Engineering as a structured approach to software development: **Brainstorm → Plan → Work → Working Product → Compound**. Students discussed practical questions such as which AWS services are required for building an application, how backend and database services connect, and whether development can be started with limited hardware.



A key part of the session was AWS Builder Center, demonstrated as a platform to learn, build, and connect. Students explored technical articles, real-world projects, hands-on workshops, builder profiles, AWS communities and networking opportunities with other builders and experts. **AWS User Group Surat, AWS Builder ID**, and startup resources including AWS Activate credits were also introduced to help students continue learning and explore opportunities beyond the seminar.

The sessions were conducted through **quizzes, polls, Q&A, audience interaction & problem-identification activities** making the technical concepts practical and engaging.

Participant Deliverables

Participants received access to **\$100 AWS Cloud Credits** through verified student sign-ups to support personal projects. They were also provided access to the **complete prompt library, seminar slide deck, and Compound engineering plugin workflows**, enabling them to continue applying the concepts covered during the sessions.

Overall, students gained an understanding of application architecture, AWS serverless services, product development, deployment, cloud resources, technical learning pathways, and community networking, along with a practical perspective on turning a software idea into a scalable and potentially profitable product.

Feedback of the seminars

The seminar received highly positive feedback from the participating students, with the majority rating the overall event as **excellent and highly engaging**.

- Students appreciated the **informative and practical nature** of the session and found it useful for enhancing their understanding of the topics covered.
- The Quiz Round was well received, providing an interactive and enjoyable way to reinforce the concepts discussed during the seminar.
- Most participants found the quiz questions relevant to the seminar content.
- Overall, the feedback reflected **high student satisfaction** and highlighted the seminar as a valuable learning experience.
- Participants also expressed their **interest in attending similar seminars and learning activities** organized by the department in the future.

Acknowledgements

We express our profound gratitude to our Principal, **Prof. (Dr.) Hiren Patel**, for granting permission and encouraging student-led technical initiatives. Heartfelt thanks go to **Prof. (Dr.) Mayuri Mehta**, Head of the Computer Engineering Department, for her inspiring leadership and support.

We sincerely thank **all the faculty members** of the Computer Engineering Department for their valuable direct and indirect support, cooperation, and assistance. We also acknowledge and thank **Ms. Jinal Engineer** for her continuous availability, technical assistance, and support in ensuring the smooth execution of the event.

We also extend our sincere appreciation to all **student participants** from various engineering disciplines for their enthusiastic participation and active engagement, which contributed significantly to the success of **Build Your Own App with AI & AWS**.

Details of the Student Team

NAME	ROLE / DOMAIN	ENROLLMENT NO.	DEPARTMENT
LEADERSHIP & COORDINATION			
Monil Patel	AWS SBCL Lead	ET23BTCO114	Computer Engineering
Yug Suthar	Event Coordinator	ET23BTCO134	Computer Engineering
TECHNICAL TEAM			
Dwarkesh Ramani	Tech Team, Coding Club Lead	ET25BTCO818	Computer Engineering
Shailja Patel	Tech Team	ET25BTCO816	Computer Engineering
MANAGEMENT TEAM			
Krishna Wagh	Management Team	ET24BTCO217	Computer Engineering
Honey Patel	Management Team	ET25BTCO089	Computer Engineering
Ishan Deshwal	Management Team	ET25BTEC015	Electronics & Communication
GRAPHICS TEAM			
Kesha Naik	Graphic Team	ET23BTCO100	Computer Engineering

NAME	ROLE / DOMAIN	ENROLLMENT NO.	DEPARTMENT
Darshita Shingala	Graphic Team	ET25BTCO052	Computer Engineering
Hetavi Korat	Graphic Team	ET25BTCO019	Computer Engineering
MARKETING TEAM			
Devarshi Patel	Marketing Team	ET24BTIC009	Instrumentation & Control
Aashvi Kantharpuri	Marketing Team	ET24BTIT071	Information Technology
Rajvi Raval	Marketing Team	ET25BTIT056	Information Technology

Faculty Coordinators

NAME	ROLE
Prof. (Dr.) Dhatri Pandya	Convener, Coding Club
Prof. (Dr.) Purvi Tandel	Co-Convener, Coding Club

Event Photographs



