



Sarvajani University
Sarvajani College of Engineering & Technology
Department of Computer Applications



Date: 12th October 2026

Report

Workshop on “AI Builders: Building with Claude APIs”

The poster is for a workshop titled "AI BUILDERS: Building with Claude API". It features a dark blue background with glowing circuit patterns and a city skyline. At the top, it lists the organizing institutions: Sarvajani Education Society, Sarvajani University, Sarvajani College of Engineering and Technology, and the Department of Computer Applications, MCA and MCA Integrated. The main title "AI BUILDERS: Building with Claude API" is in large, stylized letters, with a small robot icon next to "AI" and a code icon next to "API". Below the title, it says "Under the banner of 'Share What I Gain'" with the SCETAA Alumni Association logo. On the left, there are three blue boxes with icons and text: a calendar icon for "DATE & TIME 3rd October 2026", a clock icon for "DATE & TIME 10:00 AM to 3:00 PM", and a location pin icon for "VENUE MCA Lab". On the right, there is a circular portrait of the trainer, Mr. Rizwan Malek, with his name and title "IT ANALYST, TCS" below it. The bottom of the poster shows a laptop with code on the screen and a stack of books.

SARVAJANIK EDUCATION SOCIETY
SARVAJANIK UNIVERSITY
SARVAJANIK COLLEGE OF ENGINEERING AND TECHNOLOGY
Department of Computer Applications
MCA and MCA Integrated

WORKSHOP ON

AI BUILDERS:
Building with Claude API

Under the banner of
“Share What I Gain”

SCETAA
ALUMINI ASSOCIATION

DATE & TIME
3rd October 2026

DATE & TIME
10:00 AM to 3:00 PM

VENUE
MCA Lab

Trainer
Mr. Rizwan Malek
IT ANALYST, TCS

The Department of Computer Applications, SCET, organized a workshop titled “AI Builders: Building with Claude APIs”, under our club TechVerse. The workshop was focused on providing students with practical exposure to prompt engineering, AI tools, and the integration of AI model APIs into web applications.

The details of workshop are as follow:

Title:	AI Builders: Building with Claude APIs
Date & Time:	3 rd October 2026, 10:00 PM – 4:30 PM
Venue:	MCA Lab, Department of Computer Applications, SCET
Coordinated By:	Dr. Gayatri Kapadia and Dr. Prashant Keswani
Conducted By:	Mr. Rizwan Malek, IT Analyst, TCS and Alumnus of SCET
Total Participants:	93

The workshop combined conceptual explanations with hands-on activities to introduce students to AI tools and application development. Students practised prompt engineering, explored Claude models and features such as Claude in Visual Studio Code (VS Code), Artifacts, and Projects, and learned about Context Engineering and AI security. The practical sessions also covered AI model API integration, including connecting Gemini APIs with ExpressJS and demonstrating the integration of ReactJS, ExpressJS, and Gemini APIs to develop an AI-enabled web application.

Key Topics and Practical Activities

- Prompt Engineering
- Claude models and their applications
- Practical use of Claude in VS Code
- Claude Artifacts and Projects
- Context Engineering
- AI security
- AI model API integration
- Gemini API integration with ExpressJS
- Basic integration of ReactJS, ExpressJS, and Gemini APIs

The workshop enabled students to:

- Apply prompt engineering techniques effectively.
- Explore Claude models and AI development tools.
- Understand Context Engineering and AI security.
- Integrate AI model APIs into applications.
- Develop a basic understanding of AI-enabled web application development using ReactJS, ExpressJS, and Gemini APIs.

The workshop provided students with practical exposure to contemporary AI tools and API-based application development. The hands-on activities helped bridge the gap between conceptual learning and implementation, while giving students an opportunity to explore skills relevant to AI-enabled software development and industry-oriented employability.

A few glimpses of the workshop....



SCET ખાતે “AI Builders: Building with Claude APIs” વિષય પર પ્રાયોગિક વર્કશોપનું આયોજન

સાવરજનિક યુનિવર્સિટીની સાર્વજનિક કોલેજ ઓફ એન્જિનિયરિંગ એન્ડ ટેકનોલોજી (SCET) ના MCA ડિપાર્ટમેન્ટના Techverse ક્લબ દ્વારા વિદ્યાર્થીઓને Generative AI અને આધુનિક AI ટેકનોલોજીનો પ્રાયોગિક પરિચય આપવા માટે “AI Builders: Building with Claude APIs” વિષય પર એક પ્રાયોગિક વર્કશોપનું આયોજન કરવામાં આવ્યું હતું.

વર્કશોપ દરમિયાન વિદ્યાર્થીઓને Generative AI, Large Language Models (LLMs), Prompt Engineering અને Claude Models અંગે મૂળભૂત તેમજ પ્રાયોગિક સમજ આપવામાં આવી હતી. વિદ્યાર્થીઓએ Claude API, API integration અને authentication દ્વારા AI ક્ષમતાઓને વિવિધ એપ્લિકેશનમાં કેવી રીતે સંકલિત કરી શકાય તે શીખ્યું.



વર્કશોપમાં Claude Artifacts, Claude Projects અને Context Engineering જેવા અદ્યતન વિષયો સાથે છં applications-ll architecture, AI security તથા AI-powered applicationsના debugging અને im-

provement અંગે પણ માર્ગદર્શન આપવામાં આવ્યું. VS Code{k Claude™ku practical ઉપયોગ દર્શાવી વિદ્યાર્થીઓને hands-on experience આપવામાં આવ્યો. આ સમગ્ર સગ દરમિયાન વિદ્યાર્થીઓને

નાના working prototypeના નિર્માણ દ્વારા AI આધારિત ઉકેલોના development workflowનો પ્રત્યક્ષ અનુભવ મળ્યો. આ વર્કશોપ દ્વારા વિદ્યાર્થીઓને જનરેટિવ AI, AI મોડેલ્સ અને AI એપ્લિકેશન પ્રોગ્રામિંગ ઇન્ટરફેસના પ્રાયોગિક

ઉપયોગ સાથે આધુનિક વેબ ટેકનોલોજીના સંકલનનો અનુભવ મળ્યો. આ તાલીમથી વિદ્યાર્થીઓમાં ઉદ્યોગની જરૂરિયાતોને અનુરૂપ ટેકનિકલ કૌશલ્યો વિકસ્યા અને તેઓ રોજગારક્ષેત્રમાં વધુ આત્મવિશ્વાસ સાથે આગળ વધવા માટે સજ્જ બન્યા.

સાવરજનિક યુનિવર્સિટી
પ્રતાપ દર્પણ

08-10-2026

We express our sincere gratitude to Dr. Hiren Patel, Principal, SCET, Shri Bhaskar Cheruku, Registrar, SCET, Dr. Chirag Paunwala, SCETAA Convener and, Dr. Prashant Keswani, Head, Department of Computer Applications, for their support, and encouragement. We also thank Mr. Rizwan Malek (IT Analyst - TCS) for his valuable industry insights, and all faculty members, coordinators, and students for their contribution to the successful conduct of the workshop.

Report compiled by Dr. Gayatri Kapadia and Dr. Prashant Keswani