

SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu

SCHOOL OF COMPUTING

DETAILED EVENT REPORT

One-Day Oracle APEX @University Workshop

"Building AI-Powered Applications with Oracle APEX"

A Joint Initiative of the Institution's Innovation Council, Oracle Academy & the Oracle APEX Team

1. Event Overview

Event Title	Oracle APEX @University Workshop – Building AI-Powered Applications with Oracle APEX
Organised By	School of Computing, Sacred Heart College (Autonomous), Tirupattur, in association with the Institution's Innovation Council, Oracle Academy and the Oracle APEX Team
Occasion	Conducted as part of the college's 75th-year celebrations (SHC@75)
Target Audience	Students of UG & PG Departments of Computing
Date	Wednesday, 5th August 2026
Time	9.30 AM – 5.00 PM
Venue	Kamarajar Arangam
Program Co-Ordinators	Rev. Dr. John Borg & Rev. Dr. S. Alexander Suresh
Chief Convenor	Prof. J. John Arockiaraj



Resource Persons from Oracle

Name	Designation	Organisation
Mr. Bharadwaj Asokan	Lead Program Manager	Oracle Academy – South Asia
Ms. Ankita Beri	Senior Product Manager	Oracle APEX
Mr. Santhosh Kumar	Senior Manager, Product Management	Oracle APEX

2. Introduction

As part of its ongoing efforts to bridge the gap between classroom learning and industry practice, the School of Computing, Sacred Heart College (Autonomous), Tirupattur, organised a one-day workshop titled “Oracle APEX @University Workshop” on Wednesday, 5th August 2026, at Kamarajar Arangam. The workshop was jointly initiated by the Institution's Innovation Council, Oracle Academy and the Oracle APEX Team, and was held as part of the college's 75th-year celebrations.

The workshop, themed “Building AI-Powered Applications with Oracle APEX,” was open to all students of the UG and PG departments of computing. It was designed to introduce participants to Oracle APEX, a low-code application development platform, and to demonstrate how artificial intelligence is increasingly being woven into rapid application development. The programme combined conceptual sessions with a practical, hands-on component so that students could move from theory to the actual building of a working application within the same day.

The event was led by three distinguished resource persons from Oracle: Mr. Bharadwaj Asokan, Lead Program Manager, Oracle Academy – South Asia; Ms. Ankita Beri, Senior Product Manager, Oracle APEX; and Mr. Santhosh Kumar, Senior Manager, Product Management, Oracle APEX. The programme was coordinated on behalf of the college by Rev. Dr. John Borg and Rev. Dr. S. Alexander Suresh. The entire programme was meticulously planned and executed by Prof. J. John Arockiaraj, under the able guidance and support of the Principal and Additional Principal of the college.

3. Detailed Proceedings

3.1 Pre-Inaugural Session (9.15 AM – 10.00 AM)

The day's proceedings began well ahead of the formal inauguration with two short video presentations intended to set the context for the workshop:



- 9.15 AM – A video presentation on Oracle Academy was screened, introducing its mission of equipping students and educators worldwide with computing knowledge and skills.
- A further video presentation on the basics of Oracle was shown, giving participants an introductory orientation to the Oracle ecosystem before the technical sessions began.

3.2 Inaugural Ceremony (10.00 AM – 10.30 AM)

The formal inauguration commenced at 10.05 AM and was conducted with the following order of proceedings:

- Invocation was presented through an Audio-Visual segment, invoking divine blessings on the workshop.
- Welcome Address was delivered by Rev. Dr. John Borg, Dean, School of Computing, who welcomed the gathering, the dignitaries from Oracle, and the participating students.
- Lighting of the Kuthuvilakku, the traditional lamp was lit jointly by Fr. Principal, Fr. Additional Principal, the Dean, Ms. Ankita Beri (Resource Person from Oracle) and Edwin (Student Member), symbolically inaugurating the workshop.
- Honouring the Oracle Guests with Shawls and Mementos (Books) – the three resource persons from Oracle were felicitated by the college dignitaries as follows:
    - Fr. Principal presented a shawl to Mr. Bharadwaj Asokan, and a memento was presented by Fr. John Borg.
    - Fr. Additional Principal presented a shawl to Ms. Ankita Beri, and a memento was presented by Fr. Alexander Suresh.
    - Prof. J. John Arockiaraj, Chief Convenor, presented a shawl to Mr. Santhosh Kumar, and a memento was presented by Dr. A. George Louis Raja.
- Inaugural Address of the Workshop – delivered by Fr. Principal, who spoke on the importance of industry exposure and emerging technologies for computing students, and formally declared the workshop open.
- Felicitation Address – delivered by Fr. Additional Principal, who extended his greetings to the resource persons and encouraged students to make the most of the day-long learning opportunity.

The inaugural ceremony concluded at 10.30 AM, following which the technical sessions of the workshop commenced.

3.3 Technical Session I – Resource Person: Mr. Santhosh Kumar (10.30 AM – 12.40 PM)

The first and longest technical session of the day was conducted by Mr. Santhosh Kumar, Senior Manager, Product Management, Oracle APEX. Over the course of roughly two hours, he took participants through the foundations of Oracle and Oracle APEX before moving into more advanced and emerging concepts. The topics covered, in the order discussed, were as follows:



1. What is Oracle

An introduction to Oracle Corporation and its core database technology, positioning Oracle as one of the world's leading providers of enterprise database and cloud solutions.

2. What is APEX

An explanation of Oracle Application Express (APEX) as a low-code development platform that runs on the Oracle Database, allowing developers to design, build and deploy data-driven web applications rapidly using primarily declarative, browser-based tools.

3. Advantages of Oracle APEX

A discussion of the key benefits of the platform, including rapid application development, minimal hand-written code, built-in security and scalability, tight integration with the Oracle Database, and low overall cost of ownership for organisations and institutions.

4. Three Stages to Build a Web or Mobile Application

The resource person outlined the typical development lifecycle within Oracle APEX — moving from designing and modelling the underlying data, to declaratively building the pages, logic and user interface, and finally deploying and publishing the completed application.

5. Web and Mobile Application Development Using Oracle APEX

A walkthrough of how APEX applications are automatically responsive, adapting to desktop, tablet and mobile screens through its Universal Theme, enabling a single application to be accessed across devices without separate development effort.

6. API Types

An overview of Application Programming Interfaces relevant to modern app development, including REST and SOAP based APIs, and how Oracle APEX applications can both consume external APIs and expose their own data and logic as services.

7. Vibe Coding

An introduction to “vibe coding” — the emerging, informal style of software development in which developers describe what they want in natural language and rely on AI tools to generate, refine and iterate on the underlying code — and how this trend is beginning to intersect with low-code platforms.

8. Pros and Cons of Oracle APEX

A balanced discussion weighing the platform's strengths, such as speed of development and low cost, against its limitations, including a learning curve for highly customised requirements and a degree of dependency on the Oracle ecosystem.



9. APEX Wave

The resource person introduced APEX Wave, an AI-assisted capability within the Oracle APEX platform aimed at accelerating application building through natural-language, prompt-driven interactions, reflecting Oracle's broader push to bring AI into low-code development.

10. Small Activity Using the APEX Wave Concept

The session concluded with a short, guided activity in which participants experimented with the APEX Wave concept, giving them a first-hand feel for prompt-driven, AI-assisted application development.

3.4 Technical Session II – Resource Person: Ms. Ankita Beri (12.40 PM – 1.00 PM)

The second technical session, conducted by Ms. Ankita Beri, Senior Product Manager, Oracle APEX, was a focused twenty-minute session covering key builder-level features of the platform:

1. Features of APEX

A recap and extension of core Oracle APEX capabilities that support fast, declarative application development for institutions and enterprises alike.

2. Interactive Report

An explanation of the Interactive Report component, which allows end users to customise report output on the fly — sorting, filtering, highlighting, grouping and downloading data — without any additional development effort.

3. Interactive Page

A discussion of Interactive Pages / Interactive Grids, which allow users to view and edit data in a spreadsheet-like, highly interactive format directly within the browser.

4. Page Filters

An overview of how page-level filters can be configured to let end users narrow down displayed data dynamically, improving usability for reports and dashboards built on the platform.

3.5 Lunch Break (1.00 PM – 2.00 PM)

A lunch break was provided for all resource persons, faculty and participating students, allowing time to network informally with the visiting Oracle team.

3.6 Hands-on Session (2.00 PM – 3.45 PM)

The post-lunch segment was devoted entirely to practical, hands-on learning. Participants, guided by the Oracle resource persons, individually built and ran a working application using Oracle APEX — applying the declarative development concepts, interactive components and AI-assisted features discussed during the morning sessions. This session formed the practical core of the workshop, ensuring that students left with direct, first-hand experience of application development on the platform rather than theoretical knowledge alone.



- 2.00 PM – Hands-on session begins; participants create an application using Oracle APEX under the guidance of the resource persons.
- 3.45 PM – Short break.

3.7 Feedback Session (4.00 PM – 4.30 PM)

Following the break, representative students from each participating department shared their feedback on the workshop. Participants spoke about the clarity of the technical sessions, the value of the hands-on component, and their overall experience of building an application using Oracle APEX within a single day.

3.8 Valedictory Session (4.30 PM – 4.45 PM)

- 4.30 PM – Vote of Thanks proposed by Rev. Dr. S. Alexander Suresh, the Assistant Dean who thanked the resource persons from Oracle, the college management, the organizing committee and the participating students.
- 4.45 PM – The programme concluded with the singing of the College Anthem.

4. Outcomes / Learning Benefits

- Students gained a clear, foundational understanding of Oracle and the Oracle APEX low-code development platform.
- Participants learnt the stages involved in building web and mobile applications, along with core APEX features such as Interactive Reports, Interactive Pages and Page Filters.
- Exposure was provided to emerging concepts such as vibe coding and APEX Wave, connecting AI-assisted development practices with the APEX ecosystem.
- Through the hands-on session, students independently built a working application on the Oracle APEX platform, translating theoretical knowledge into a practical, demonstrable skill within a single day.
- The workshop strengthened industry–academia collaboration between Sacred Heart College and the Oracle Academy / Oracle APEX teams, and supported the college's broader innovation goals under the Institution's Innovation Council.
- Feedback shared by student representatives from each department indicated strong engagement with both the technical content and the hands-on component of the workshop.

5. Conclusion

The one-day Oracle APEX @University Workshop, held on 5th August 2026 at Kamarajar Arangam, successfully achieved its objective of familiarising UG and PG computing students with low-code, AI-powered application

development using Oracle APEX. Through a well-structured blend of an engaging inaugural ceremony, expert-led technical sessions by Mr. Bharadwaj Asokan's Oracle Academy team, Mr. Santhosh Kumar and Ms. Ankita Beri, and a practical hands-on module, participants were able to build a functional application by the end of the day.

The programme reflected the continued commitment of the School of Computing and the Institution's Innovation Council, Sacred Heart College (Autonomous), Tirupattur, to providing students with direct exposure to current industry tools and practices, in keeping with the spirit of the college's 75th-year celebrations. The workshop concluded on a note of gratitude towards the resource persons and the organising team, with a formal vote of thanks followed by the singing of the college anthem.

6. Acknowledgement

The School of Computing places on record its sincere gratitude to Fr. Principal and Fr. Additional Principal for their guidance and support, to Rev. Dr. John Borg, Dean, School of Computing, for his welcome address, to Prof. J. John Arockiaraj, Chief Convenor, for coordinating the workshop, and to Mr. Bharadwaj Asokan, Ms. Ankita Beri and Mr. Santhosh Kumar of Oracle for generously sharing their time and expertise with the students. Sincere thanks are also extended to the faculty, technical team and student volunteers whose efforts ensured the smooth conduct of the workshop.




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