



K. S. INSTITUTE OF TECHNOLOGY

#14, Raghuvanahalli, Kanakapura Main Road, Bengaluru-5600109

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



A REPORT ON “Honeywell Women / Youth Empowerment”

Semester	7 th Semester - Section “A” & “B”
Event Type	Workshop / Training
Event Name	ICT Honeywell Youth Empowerment Program
Date/Duration	03/09/2024 to 23/09/2024/ 20 Days
Associated Professional Bodies	ICT Academy / Honeywell
No. of Students	63
Venue	NB - 4 th Floor - Online Laboratory
Online link/Offline	Offline

Introduction:

Overview of ICT Honeywell Training

The Salesforce Development training at ICT Honeywell Academy is a hands-on program designed to equip participants with the skills to build and manage custom applications on the Salesforce platform. It covers core topics like Apex programming, Lightning Component Framework, and Salesforce integration with external systems, alongside essential administration and data modeling skills. The course also includes practical labs, real-world projects, and certification preparation to ensure participants are ready for roles as Salesforce developers.

Objectives of the Session:

- To equip participants with in-depth knowledge and practical skills in Salesforce development, including Apex programming, Lightning Components, and data modeling.
- To enable participants to build, customize, and integrate applications within the Salesforce platform to meet business requirements effectively.
- To prepare participants for Salesforce certification exams, enhancing their credentials and

employability in the Salesforce ecosystem.

Topics Covered:

The Salesforce Development training at ICT Honeywell Academy typically provides a comprehensive program to equip students with Salesforce platform skills, focusing on both basic and advanced concepts of Salesforce development. Here's a summary of what the training might include:

1. Introduction to Salesforce

- o Overview of Salesforce as a CRM and its ecosystem.
- o Salesforce architecture and key components (Salesforce CRM, Service Cloud, Marketing Cloud, etc.).

2. Salesforce Developer Fundamentals

- o Basics of Salesforce, data modeling, and understanding of objects, fields, and relationships.
- o Introduction to Apex programming language (Salesforce's proprietary language).
- o Understanding of Visualforce for creating custom pages and Lightning framework for building modern, responsive applications.

3. Salesforce Administration Essentials

- o Key administration tasks, including managing user roles and profiles, setting up security models, and handling data management.
- o Introduction to Salesforce workflows, approvals, and automation rules.

4. Apex Programming

- o Advanced Apex programming techniques, including triggers, classes, and batch processing.
- o Working with SOQL (Salesforce Object Query Language) and SOSL (Salesforce Object Search Language).

5. Lightning Component Framework

- o Developing custom Lightning components to enhance UI and improve user experience.
- o Building reusable components using Lightning Web Components (LWC) and Aura components.

6. Salesforce Integration

- o REST and SOAP API integrations to connect Salesforce with external applications.

- o Understanding of callouts and how to work with external web services.

7. Salesforce Deployment and Testing

- o Tools and best practices for deployment within Salesforce environments.
- o Testing Apex classes and triggers, and using the Salesforce Test Framework.

8. Real-World Projects

- o Hands-on practice through real-world projects and use cases to build confidence in applying skills on live environments.

9. Certification Preparation

- o Assistance with preparing for Salesforce certifications, such as Salesforce Certified Platform Developer I and II.

Resource Persons

Name of Resource Person: Syed Kamaran – Salesforce Development Trainer

Relevance to NAAC Accreditation

The program exemplifies continuous improvement through specialized training in the latest Salesforce tools and methodologies, demonstrating ICT Honeywell Academy's commitment to innovation—a quality that resonates with NAAC's criteria for promoting continuous learning and academic excellence.

Summarized Learning Outcomes:

The session provided the following key learning outcomes for the participants:

1. Technical Proficiency

Equip students with hands-on skills in Salesforce development, including Apex programming, SOQL, and building custom applications using the Lightning Component Framework.

2. Industry-Ready Skills

Prepare students to design, implement, and integrate Salesforce solutions, enhancing their ability to meet real-world business requirements and increasing their employability.

3. Certification Readiness

Enable students to confidently pursue Salesforce certification exams, adding valuable credentials to their profiles and preparing them for careers in CRM and cloud technology roles.

Summary:

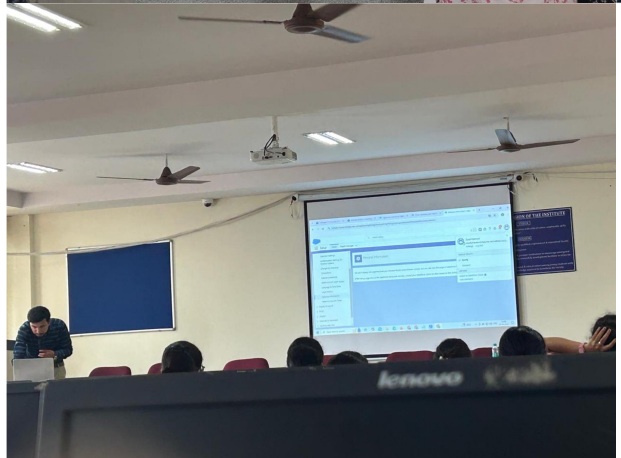
The 20-day Salesforce Development training at ICT Honeywell Academy for KSIT provides an intensive,

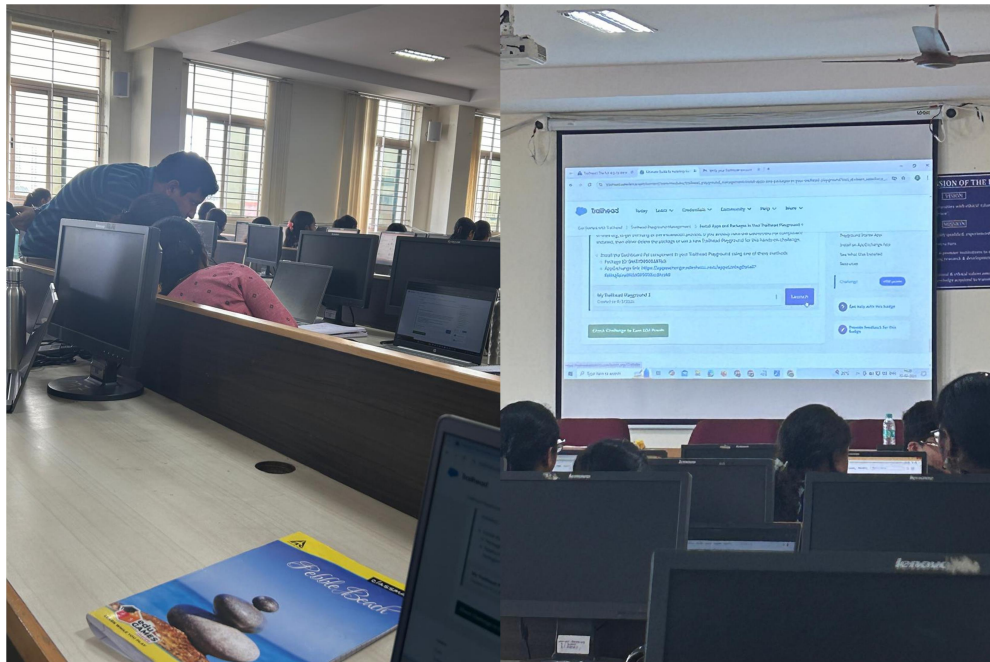
hands-on experience designed to equip students with essential skills for Salesforce development. The program covers foundational concepts such as Salesforce architecture, data modeling, and the use of Apex programming for building applications. Participants gain practical experience through labs and projects, focusing on the Lightning Component Framework and integration techniques with external systems. The training also includes preparation for Salesforce certification exams, ensuring that students are well-prepared to enter the job market with industry-relevant skills and credentials. Overall, this training aims to foster technical proficiency, enhance employability, and align with current industry demands.



Glimpse of the Training:







Sample Badges:



4 Superbadges



Superbadge

Approval Process Troubleshooting Superbadge Unit

Completed September 20, 2024

Use your approval process troubleshooting skills to increase productivity.



Superbadge

User Authentication Settings Superbadge Unit

Completed September 19, 2024

Bring user authentication settings up to standard to secure your org.



Superbadge

Apex Specialist

Completed September 17, 2024

Use integration and business logic to push your Apex coding skills to the limit.



Superbadge

Approval Process Management Superbadge Unit

Completed September 10, 2024

Demonstrate your ability to automate and enhance approval processes.

EO#	EVENT OUTCOMES
EO1	Participants will acquire Proficient Salesforce Development Skills
EO2	Students will demonstrate the ability to apply their knowledge to real-world scenarios, developing solutions that meet business needs within the Salesforce platform.
EO3	Participants pursue Salesforce certification exams, enhancing their qualifications and increasing their employability in the competitive tech job market.

PO1: Science and engineering Knowledge	PO7: Environment and Sustainability
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PO1: Science and engineering Knowledge PO2: Problem Analysis PO3: Design & Development PO4: Investigations of Complex Problems PO5: Modern Tool Usage PO6: Engineer & Society PSO1: Ability to understand, analyze problems, and implement solutions in Programming languages, as well to apply concepts in core areas of Computer science in association with professional bodies and clubs.	PO7: Environment and Sustainability PO8: Ethics PO9: Individual & Team Work PO10: Communication PO11: Project Management & Finance PO12: Lifelong Learning PSO2: Ability to use Computation Skills and apply software knowledge to develop effective solutions and data to address real world challenges.
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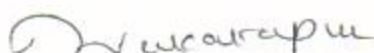
EO-PO Mapping

EO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
EO1	3	3	3	-	-	-	-	-	-	1	-	1	3	3
EO2	3	3	2	2	-	2	-	-	-	1	-	1	3	3
EO3	3	3	3	2	-	-	-	-	-	2	-	1	3	3

3	Substantial (High) Correlation
2	Moderate (Medium) Correlation
1	Slight (Low) Correlation
-	No correlation.

PO's Attained: PO1, PO2, PO3, PO4, PO6, PO10 and PO12.

PSO's Attained: PSO1 and PSO2.



Co-Ordinator Sign


Head of Institution