Event Report

Value-added course on Modern Frontend Development with React and TypeScript (December 23 to 27, 2024)

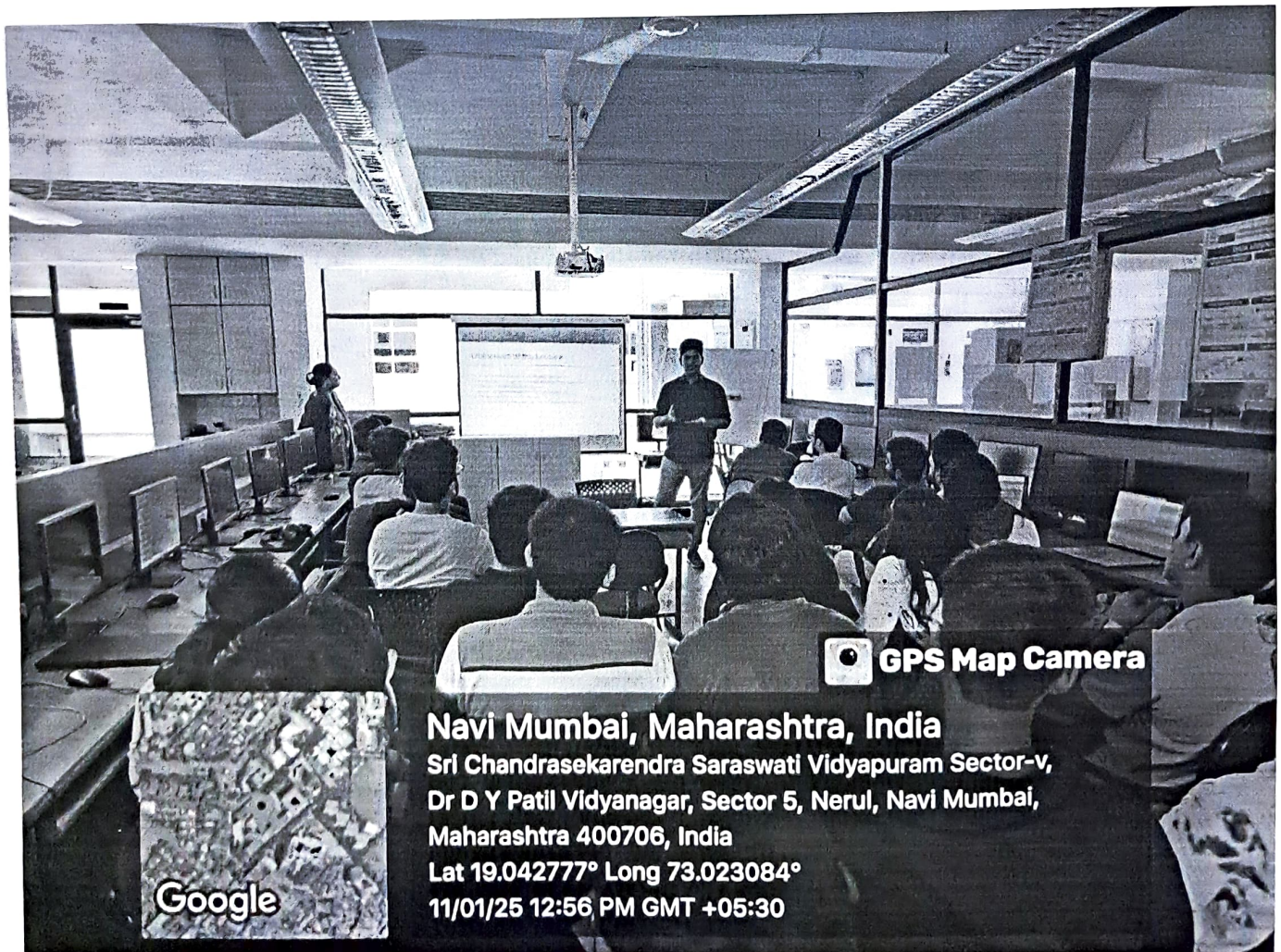| Event Information |
|---|
| **Event Type: Value-added course** |
| **Event Title: Modern Frontend Development with React and TypeScript** |
| **Conducted by: Core Student Development Team of Software & Hardware Committee** |
| **Resource Person:**

 ☐ **Internal Experts:**

 • Ms. Samundiswary S.
 • Ms. Kalpana R. Bodke
 (Faculty from Information Technology, SIES GST)

 ☐ **Industry Expert:**

 • Mr. Thevar Kanddakumaran Murugan
 (Founder, CodScripto) |
| **Mode of Conduction:** Offline |
| **Event date: December 23 to 27, 2024** |
| **Organized for: All** |
| **Organized by:** Prof. Kalpana R Bodke, Assistant Professor. |
| **Attachments:**
 1. Photographs (in JPEG/PNG)
 2. Attendance report
 3. Feedback |

Event Description

The Department of Information Technology, SIES GST, Nerul, organized a five-day intensive course on "**Modern Frontend Development with React and TypeScript**" from **December 23 to 27, 2024**. The workshop was led by internal faculty experts **Ms. Samundiswary S.** and **Ms. Kalpana R. Bodke**, and featured industry expert **Mr. Thevar Kanddakumaran Murugan** from **CodScripto**. The event was coordinated by the **Core Student Development Team of the Software & Hardware Committee**.

The course focused on equipping participants with skills required to develop scalable, maintainable, and type-safe web applications using **React** and **TypeScript**. The sessions were structured to build proficiency from foundational concepts like JSX and React Hooks to advanced topics like Context API, reducers, and performance optimization.

Each day combined in-depth theoretical insights with hands-on lab activities, enabling students to build, manage, and deploy their own React projects using best development practices. The final day included the completion and demonstration of individual mini-projects.

Key topics included:

- ☑ React fundamentals: JSX, functional components, and hooks
- ☑ Strongly-typed component development using TypeScript
- ☑ State management using Context API and reducers
- ☑ API handling, form management, and error handling
- ☑ Project-based development and deployment strategies

This practical, industry-aligned training program enhanced students' readiness for real-world frontend development roles.

GPS Map Camera

Navi Mumbai, Maharashtra, India
Sri Chandrasekarendra Saraswati Vidyapuram Sector-v,
Dr D Y Patil Vidyanagar, Sector 5, Nerul, Navi Mumbai,
Maharashtra 400706, India
Lat 19.042777° Long 73.023084°
11/01/25 12:56 PM GMT +05:30

Google

Id	Start time	Completion time	Email	Name	Roll No	Department	How is the session?
1	23-12-2024 16:16	23-12-2024 16:23	thaufeeqahit122@gst.sies.edu.in	THAUFEEQ HUSSAIN	122A3062	IT	4
2	23-12-2024 16:16	23-12-2024 16:23	poojasce123@gst.sies.edu.in	POOJA	123A1091	CE	5
3	23-12-2024 16:23	23-12-2024 16:23	latikascce122@gst.sies.edu.in	LATIKA CHETTIAR	122A1050	CE	5
4	23-12-2024 16:23	23-12-2024 16:23	falgunivpce123@gst.sies.edu.in	FALGUNI PATIL	123A1085	CE	5
5	23-12-2024 16:23	23-12-2024 16:23	ishitavpce123@gst.sies.edu.in	ISHITA POONJA	123A1092	CE	5
6	23-12-2024 16:18	23-12-2024 16:18	rhythmtce123@gst.sies.edu.in	RHYTHM THAKUR	123A1095	CE	5
7	23-12-2024 16:18	23-12-2024 16:18	amalsmit224@gst.sies.edu.in	AMAL MON	224A3068	IT	4
8	23-12-2024 16:18	23-12-2024 16:19	shravaniliextc122@gst.sies.edu.in	SHRAVANI INDALKAR	122A2051	EXTC	4
9	23-12-2024 16:19	23-12-2024 16:19	damayantibeit123@gst.sies.edu.in	DAMAYANTI EPILI	15	IT	4
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11	23-12-2024 16:19	23-12-2024 16:19	aaryasvaids123@gst.sies.edu.in	AARYA VARSOLKAR	60	AIDS	5
12	23-12-2024 14:05	23-12-2024 16:20	premgraiml122@gst.sies.edu.in	PREM RANA	122A9034	AIML	5
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14	23-12-2024 16:20	23-12-2024 16:20	shrutisriot122@gst.sies.edu.in	SHRUTI RAWAT	122AX045	IOT	5
15	23-12-2024 16:19	23-12-2024 16:20	amanssaids122@gst.sies.edu.in	AMAN SINGH	122A8009	AIDS	5
16	23-12-2024 16:20	23-12-2024 16:21	vinaybpaiml122@gst.sies.edu.in	VINAY POKHARKAR	122A9061	AIML	5
17	23-12-2024 16:20	23-12-2024 16:21	adityadkaids123@gst.sies.edu.in	ADITYA KOPARKAR	123A8028	AIDS	5
18	23-12-2024 16:22	23-12-2024 16:22	satishbsaids122@gst.sies.edu.in	SATISH SOYAL	122A8050	AIDS	5
19	23-12-2024 16:22	23-12-2024 16:23	arvindvcaids122@gst.sies.edu.in	ARVIND CHOUDHARY	122A8014	AIDS	5
20	23-12-2024 16:25	23-12-2024 16:28	ashishjmiot122@gst.sies.edu.in	ASHISH MISHRA	122AX016	IOT	4
21	23-12-2024 16:30	23-12-2024 16:31	jatinapaids122@gst.sies.edu.in	JATIN PATIL	122A8028	AIDS	5
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25	24-12-2024 15:05	24-12-2024 15:06	sahilppiot122@gst.sies.edu.in	SAHIL PAWAR	122AX041	IOT	5
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29	24-12-2024 15:06	24-12-2024 15:06	damayantibeit123@gst.sies.edu.in	DAMAYANTI EPILI	Damayanti.Basudev Epili	IT	4
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31	24-12-2024 15:06	24-12-2024 15:06 shrutisriot122@gst.sies.edu.in	SHRUTI RAWAT	122AX045	IOT	4
32	24-12-2024 15:06	24-12-2024 15:07 ishitavpce123@gst.sies.edu.in	ISHITA POONJA	123A1092	CE	5
33	24-12-2024 15:07	24-12-2024 15:08 latikascce122@gst.sies.edu.in	LATIKA CHETTIAR	122A1050	CE	4
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41	24-12-2024 15:09	24-12-2024 15:14 amalsmit224@gst.sies.edu.in	AMAL MON	224A3068	IT	4
42	24-12-2024 15:13	24-12-2024 15:14 vinaybpaiml122@gst.sies.edu.in	VINAY POKHARKAR	122A9061	AIML	5

Sr. no	Roll No	Name of Student	Department	Project Title	Project Description	Git link for Project
1	122A9021	KUNAL KISAN SAWANT	AIML	CAMPUS	EVENTS AND Hiring FOR VARIOUS SOCIETIES AND COMMITEES IN COLLEGE.(ON MASTER BRANCH)	https://github.com/kunalk971/campus.git
2	123A8028	ADITYA D. KOPARKAR	AI&DS	Quiz Management system	quiz management app allowing users to add, delete, update quizz questions, and receive scores	https://github.com/spicydino/DefuseTheQuiz
3	123A1095	RHYTHM THAKUR	CE	INVENTORY MANAGEMENT SYSTEM	SYSTEM THAT HELPS TRACK, MANAGE AND OPTIMIZE THEIR STOCK LEVEL IN REAL LIFE	https://github.com/Rhythm1095/Inventory-Management-System
4	123A1085	Falguni Vivek Patil	CE	Student Marketplace	A website where students can sell and purchase academic items	https://github.com/falguni0603/Student_marketplace
5	123A3015	Damayanti.B.Epili	IT	Cafeteria Billing system project	A website which optimize ordering process and improve customers service.	https://github.com/Damyanti29/Cafeteria_MERN
6	122A3062	Thaufeeq Ahamed	IT	exam Seating Arrangement		
7	122AX045	Shruti Rawat	IOT	E-Commerce Platform	An advanced full-stack E-Commerce application built using the MERN stack	https://github.com/Ashish4144/ECOMMERCE01
8	122AX016	Ashish Mishra	IOT	Chat Application	A real time chat application built using MERN and socket.io is used for real time communication	https://github.com/Ashish4144/OnlyChat
9	123A3010	Bhumika Jinnah	IT	Travel Itinerary	A website where users can get information about various cities and also get a digital planner with them.	https://github.com/bhumiii22/Travel-itinerary.git
10	122A8050	Satish Soyal	AI & DS	Devin-Ai	Devin AI is a collaborative development platform that enables real-time teamwork on projects.	SatishSoyal/devin-ai
11	122A8014	Arvind Choudhary	AI & DS	CODECLIMB	A MERN-based application used to monitor progress, bookmark questions, add notes, and visualize completion of DSA .	https://github.com/Arvind250/CODECLIMB.git

12	122A1050	Latika Chettiar	CE	Event Planner	A basic event planner website using HTML & CSS for frontend and DJango Framework for backend.	https://github.com/iamlatsss/Event-Planner.git
13	123A1091	Pooja Sriram	CE	Ecommerce	An Mern based Ecommerce Website	https://github.com/poojasriram09/Project
14	122A9034	Prem Rana	AIML	Event Planner Calender	A Calender webapp made using PostgreSQL , Express , React and Node	https://github.com/Prem16-pro/MERNS-Learning/tree/main/Projects/final_P
15	123A1092	Ishita Poonja	CE	Social Media	A mern based social media website	https://github.com/ishitaa2621
16	122A8007	Adityakumar Sahu	AI&DS	Campus Sarthi	inefficient admission predictions, faculty allocation, and resource management in educational institutions.	https://github.com/Aditya717803/Campus-Sarthi

Responses Overview   Active

Responses

10

Average Time

15:33

Duration

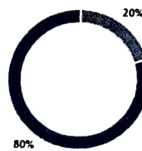**85** Days

1. Roll No

10
Responses

1 respondents (10%) answered 122A8050 for this question.

122AX045   123A1091
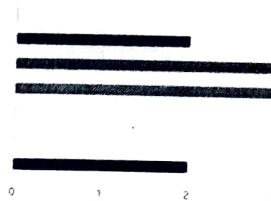**122A8014   122A8050   122A9021**
122A9034   122A1050   122AX056
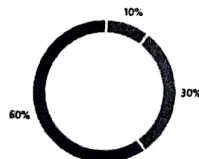
2. Class

- SE   2
- TE   8
- BE   0

20%
80%

3. Department

- IT   0
- AIDS 2
- CE   3
- IOT   3
- ECS   0
- EXTC 0
- AIML 2

0   1   2   3

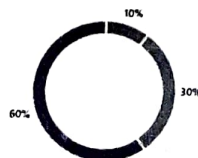## 4. The workshop delivery helped me understand Contents of training.

- Strongly disagree   0
- Disagree   0
- Neutral   1
- Agree   3
- Strongly agree   6

10%
30%
60%

5. The instructors effectively conveyed complex concepts in training
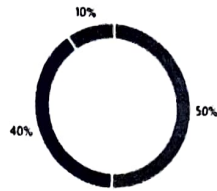
- Strongly disagree   0
- Disagree   0
- Neutral   1
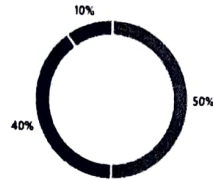- Agree   3
- Strongly agree   6

10%
30%
60%

6. The workshop provided practical skills that I can apply in my work or studies.

- Strongly agree — 5
- Agree — 4
- Neutral — 1
- Disagree — 0
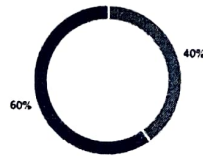- Strongly disagree — 0

10%
50%
40%

7. The workshop format (engagement, interactivity) kept me engaged throughout the session.

- Strongly agree — 5
- Agree — 4
- Disagree — 0
- Strongly disagree — 0
- Neutral — 1

10%
50%
40%

8. The workshop inspired me to pursue further education or training in same subject.

- Strongly agree — 4
- Agree — 6
- Disagree — 0
- Strongly disagree — 0
- Neutral — 0

40%
60%

9. List a few take aways from the session.

9
Responses

Latest Responses

"Very informative session on webapp security from cyberattacks and also taught t... "

...

"Hands on practice and learnt many new topics related to web as well"

...

3 respondents (30%) answered session for this question.

↻ Update

understanding of the basics webapp security Hands on practice
great experience session on cybersecurity informative session perfect start
new topics good basics **session** web development
amazing session new backend development experience end backend
incredible experience basic fundamentals basics of both frontend

Impact Analysis
- **Skill Development in Modern Frontend Technologies**

Participants gained hands-on experience with the latest tools and frameworks in frontend development, including React and TypeScript, improving their employability and technical depth.
- **Practical Implementation of Concepts**

Through day-wise labs and project work, students were able to transform theoretical knowledge into practical skills by building a complete frontend project from scratch.
- **Type-Safe Coding Practices**

By integrating TypeScript into React development, students understood the importance of static typing and how it enhances code quality, scalability, and debugging.
- **Exposure to Industry Standards**

The presence of an industry expert provided exposure to real-world frontend development practices, tools, and project deployment workflows.
- **Confidence in Independent Development**

Participants completed and deployed full-fledged projects, giving them confidence to take on internships, freelance opportunities, or independent application development.
- **Interactive and Collaborative Learning**

The lab-intensive nature of the course encouraged collaboration, peer learning, and real-time problem-solving under expert guidance.

Coordinator

HOD