Report of Workshop

Title of the Program: The Backend Blueprint Workshop (Web Development), GDG, GITS

Date and Time: 22-01-2025, 12:45 PM

Venue: B1-03 Lab GITS

Objective: The "Backend Blueprint Workshop" aimed to provide participants with a comprehensive understanding of backend development in web development. The goals were to introduce foundational and advanced backend concepts, bridge the gap between theoretical knowledge and practical application, and empower students with the skills to develop robust web applications. The workshop also offered an overview of frontend concepts to establish a holistic understanding of full-stack development.

Poster:

Details of the Program: The workshop was conducted under the guidance of Dr. Mayank Patel, Head of the Computer Science , Dr. Ruchi Vyas, GDG Mentor and Computer Science and Engineering Department at GITS. It was hosted by Parth Sharma and The GDG Core Team Members, who expertly navigated participants through the essentials of backend development.

Key activities and topics covered:

- **Introduction to Frontend Development:** A brief overview to set the stage for backend concepts.
- **Node.js:** Basics and practical applications in backend development.
- **NPM (Node Package Manager):** Explanation of package management and its role in efficient development.
- **APIs (Application Programming Interfaces):** Understanding API creation and integration.
- **Express.js:** Building scalable and efficient backend applications using this framework.
- **Libraries:** Utilization of libraries to enhance backend functionalities.

All concepts were explained through a hands-on approach, culminating in the development of a project. This project-based learning ensured that participants could apply theoretical knowledge in a practical scenario, enhancing their grasp of backend development techniques.

Supporting Documents:
  - Geotagged Photos:

Udaipur,Rajasthan,India
Dabok, Udaipur, 313022, Rajasthan, India
Lat 24.619260, Long 73.854537
01/22/2025 01:53 PM GMT+05:30
Note : Captured by GPS Map Camera

Udaipur,Rajasthan,India
Dabok, Udaipur, 313022, Rajasthan, India
Lat 24.619260, Long 73.854537
01/22/2025 02:19 PM GMT+05:30
Note : Captured by GPS Map Camera

- Attendance Sheet:

To,
The HOD , CSE
GITS, Udaipur

Date — 22 January 2025

Subject — Application regarding attendance
marking for the GDG event

R/ Sir,
I am writing to request
the marking of attendance for the
GDG team as we conducted the web
dev. event during 12:45 P.M. to 3:30 PM
on 22 January 2025.
Kindly mark the
attendance for the following and
oblidge.

Thanking You
Yours Sincerely
Charvi Bapna   (Sec. A)
Jatin Dangi   (Sec A)
Animesh Bhatt   (Sec A)
Chetan Malviya   (Sec A)
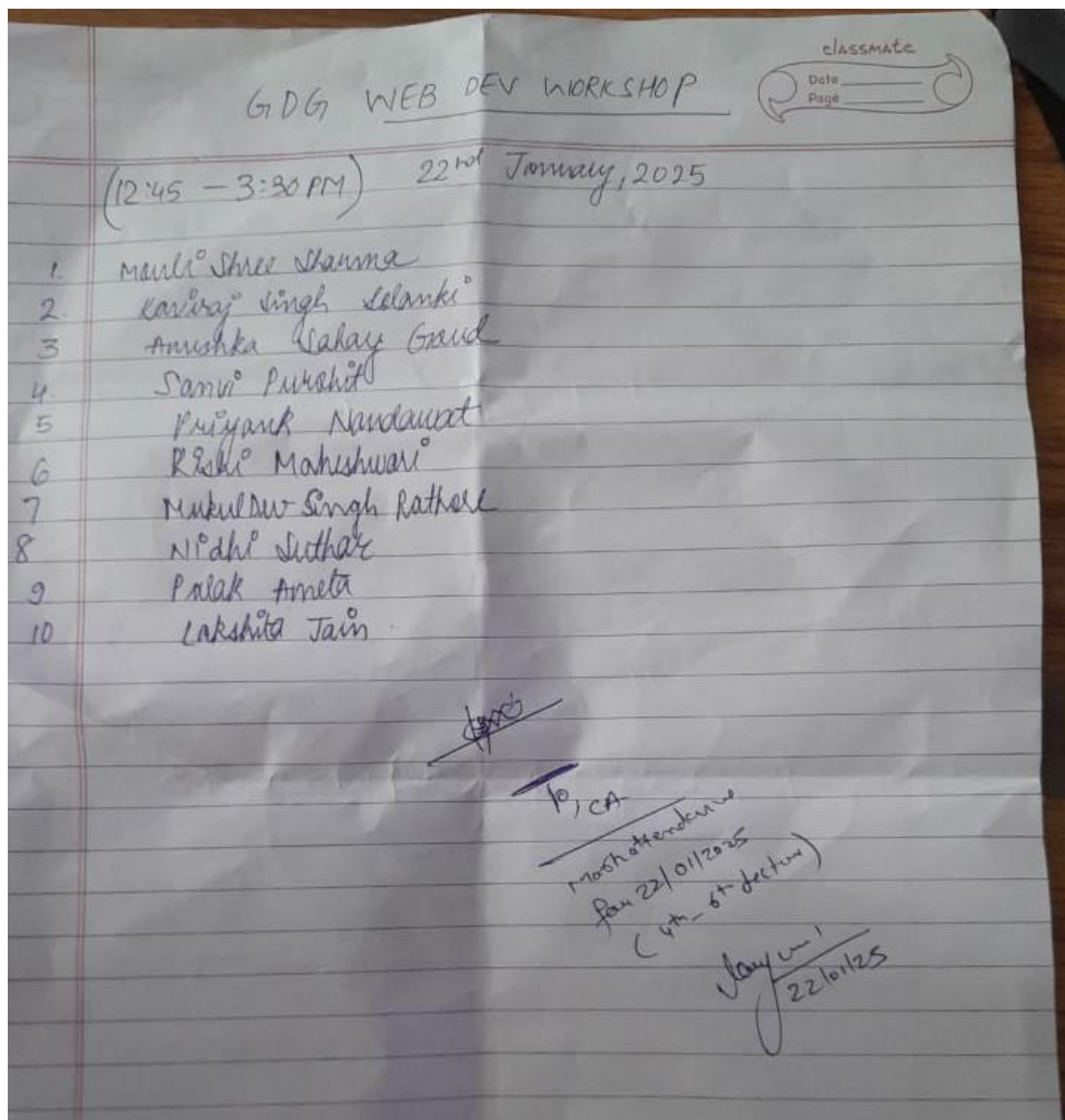Dashrath kumar   (Sec. A)
Parth Sharma   (Sec B)
Devdath Sajayan (Sec D)

To,
CA
March Attendance
from 22/01/25
(4th-6th filter)
Jay
22/01/25

GDG WEB DEV WORKSHOP

(12:45 - 3:30 PM)   22nd January, 2025

1. Mauli Shree Sharma
2. Raviraj Singh Solanki
3. Anushka Sahay Gaud
4. Sanvi Purohit
5. Priyank Nandawat
6. Rishi Maheshwari
7. Mukuldev Singh Rathore
8. Nidhi Suthar
9. Palak Ameta
10. Lakshita Jain

To, CA

Marked attendance for 22/01/2025
(4th - 6th lecture)

22/01/25

Participants: The workshop saw active participation from 30 students, who gained valuable insights and hands-on experience in backend development.

Outcome: The workshop successfully achieved its objectives by:
- Equipping students with a strong foundation in backend development.
- Providing practical exposure to Node.js, Express.js, and other key technologies.
- Enhancing participants' understanding of the interplay between frontend and backend development.
- Enabling students to confidently build and manage backend projects using modern tools and techniques.

This impactful workshop served as a stepping stone for participants toward becoming proficient backend developers, significantly contributing to their academic and professional growth.