"Hands-On Workshop on Full Stack Development"

(20th January, 2024)

Organized by

Microsoft Learn Student Club
BVM Engineering College
(An Autonomous Institution)
(Affiliated to Gujarat Technological University)

Summary Table:

Title of the Event:	Hands-On Workshop on Full Stack Development	
Name and Designation of the Expert:	Viraj Prajapati	Founder & CEO at Multipoint Infotech Solution
Contact Information of the Expert:	Phone: 7990875353 Email: multipointsolutions@outlook.com	
Name of the Institute:	Birla Vishvakarma Mahavidyalaya Engineering College	
Name of the Principal of the Institute:	Dr. Indrajit Patel	
Year of the Students:	Under Graduate Students	
Professional body under which event organized:	Microsoft Learn Student Club The SSIP Cell	
Date and Time of the Event:	Date: 21/01/2024 Day: Saturday	
Venue:	B-201	
No. of days for Event:	01	
MLSC Branch Counsellor's Details:	Prof. Priyank Bhojak	
Total no. of Students:	85	

Objective of the Event

The objective of the full-stack development workshop was to provide participants with hands-on experience and practical skills in constructing full-stack applications. The workshop aimed to break down the complexities of both front-end and back-end development, ensuring that students gained a thorough understanding of essential technologies and industry. Through interactive exercises, attendees were guided to apply their newfound knowledge to design, implement, and deploy functional full-stack solutions. The objective was to empower students with the confidence and expertise to learn technical skills and apply them in practical, real-world scenarios.

Outcomes of the Event

- **Introduction to Full Stack Development:**

Students were provided with a comprehensive understanding of full-stack development, covering both front-end and back-end technologies.

The concept of technology stack and its components were introduced.

- **Hands-on Learning:**

Facilitation of active participation through practical exercises and projects, allowing participants to apply theoretical concepts in real-world scenarios.

It fostered an environment of applying technical skills and collaborative learning.

- **Technology Proficiency:**

The event familiarized participants with key technologies such as HTML, CSS, JavaScript (or Typescript), PHP and popular frameworks like React or Angular for the front-end.

- **Database Interactions:**

Participants successfully designed and interacted with databases, implementing CRUD operations effectively.

- **API Integration:**

Understanding of API development and consumption, with participants incorporating API calls into their projects.

About Event:

The event commenced with the Microsoft Learn Student Club inaugural ceremony at Birla Vishvakarma Mahavidyalaya, featuring a warm bouquet facilitation for our expert, Viraj Prajapati, by Principal Dr. Prof. Indrajit Patel. In his motivating speech, Dr. Prof I.N. Patel encouraged active student participation in such events, setting the stage for an inspiring learning experience. Dr. Keyur Brahmbhatt, Head of the Department of Information Technology, further added to the enthusiasm with an inspiring address.

Viraj Prajapati, our expert, began the hands-on session on web development with a comprehensive introduction, underlining the real-world significance of web development. The initial focus was on HTML tags, table tags, and form tags, laying the groundwork for participants to understand the foundational structure of web pages.

The session seamlessly transitioned to Bootstrap usage, with Viraj providing practical insights into its integration into local machines. JavaScript functions were then introduced, demonstrating their pivotal role in enhancing interactivity and functionality on web pages, enriching participants' understanding of dynamic web development.

After a rejuvenating recess break, Viraj led an advanced hands-on session, progressing from database creation to DBMS queries, exemplifying the connection of databases through PHP. Participants witnessed real-world application as databases seamlessly integrated with the pre-break form, bridging theoretical concepts to practical web development. Viraj's guidance facilitated a smooth learning experience, offering participants practical insights into database management and query handling within the realm of web development.

The interactive nature of the event facilitated an engaging and educational atmosphere, fostering collaboration and knowledge sharing among participants. The session concluded with an insightful and dynamic question-and-answer session, allowing participants to seek clarification on specific topics and further enrich their understanding.

In summary, the hands-on session on Full Stack Web Development emerged as a comprehensive and immersive learning experience. The combination of theoretical

insights, practical demonstrations, and interactive discussions provided participants with valuable skills and knowledge applicable in real-world web development scenarios. The success of the event is attributed to the support of dignitaries, including Principal Dr. Prof. Indrajit Patel and Dr. Keyur Brahmbhatt, as well as the expertise of Viraj Prajapati in delivering an impactful and educational session.

About Speaker:

Mr. Viraj Prajapati is seasoned professional in the field of web and software development. Mr. Prajapati hails from Vadodara, India, and has established himself as a leading expert in the industry. He has completed his Bachelor's in Computer Science & Engineering (B.E) from Gujarat Technological University and Master's in Computer Engineering (M.E) from Gujarat Technological University.

With over 7 years of hands-on experience, Mr. Prajapati has been a key player in the web development and application development landscape. His commitment to understanding client requirements and respecting project timelines has been instrumental in delivering high-quality solutions to clients, particularly those based in the USA.

Attendance Sheet:

1	Sobia Vohra	43	Dangashiya Yash
2	Bhavi Mistry	44	Patel Dhrumil K
3	Khushi Shah	45	Saraiya Ayush R
4	Sakshi Patel	46	Narendra Mali
5	Diya Mehta	47	Valiya Parth
6	Dhruvi Patel	48	Daksh Khungla
7	Mehul Mistry	49	Hirani Kahan
8	Akshay Doshi	50	Param Buddh
9	Rudra Chauhan	51	Nit Patel
10	Sujal Patel	52	Neel Dobariya
11	Lachumal Jaydip	53	Jagdish Pathateji
12	Krunal Parmar	54	Hitarth Shah
13	Meet Patel	55	Sujal Patel
14	Rushi Diveda	56	Aasthakkar Parth H.
15	Faliya Aakash	57	Krunal Rohit
16	Neil Jansukiya	58	Agrawal Deep
17	Karan Mavelaya	59	Pratham V Patel
18	Shubham Mistry	60	Shashank Sinha
19	Jeel Barad	61	Raj Joshi
20	Siddhant Rathod	62	Om Bhanderi
21	Srishti Singh	63	Vishva Shah
22	Shlok Goswami	64	Vihaa Shah
23	Hatim Chharchhoda	65	Shivam Patel
24	Prajapati Dhaval	66	Manan Fatak
25	Het Patel	67	Krisha Koli
26	Vatsal Joshi	68	Shah Shashishekhar
27	Harshvardhansinh Parmar	69	Vineet Kadu
28	Aashka Shah	70	Poojan Dobariya
29	Vraj Upadhyay	71	Keval Hingu
30	Het Patel	72	Mitesh Kotadiya
31	Rahul Parmar	73	Manish Avadhiya
32	Khanjan soni	74	Manan Patel
33	Veer Vora	75	Manan Patel
34	Aastha Patel	76	Chovatiya Het
35	Khushi Patel	77	Vegad Ronak
36	Mahek Tolat	78	Desai Karansinh
37	Kuljeet Rana	79	Thakkar Dharmik
38	Chirag Rathod	80	Gohil Kush
39	Prof. Dipika Kothariya	81	Jaimin Parmar
40	Prof. Dharmesh Patel	82	Merin Patel
41	Krish Patel	83	Dwitiya Vasavada
42	Gujarati Viral	84	Diya Prajapati
		85	Viral Bhoi

Glimpses of Event: