



IEEE

Kadi Sarva Vishwavidyalaya
Student Branch



A
Report on
**Web3, Blockchain, and
Rust Programming using the
Arbitrum Ecosystem**

Date: 23th July, 2025

ORGANISED BY:

Department of Computer Engineering,
L.D.R.P. Institute of Technology and Research
IEEE Student Branch, Kadi Sarva Vishwavidyalaya
IEEE KSV WIE Affinity Group



Introduction

- On 23rd July 2025, the Computer Engineering Department, LDRP-ITR, in association with IEEE KSV Student Branch and Lampros Tech Labs Pvt. Ltd., organized a hands-on workshop titled “Web3, Blockchain, and Rust Programming using the Arbitrum Ecosystem” This event was aimed at providing participants with practical exposure to cutting-edge technologies that are shaping the future of decentralized applications and systems.
- The session focused on the foundational concepts of Web3 and Blockchain, and their implementation using Arbitrum. Emphasis was placed on Rust programming, a language known for its safety, making it ideal for blockchain-based development.
- With live demonstrations, interactive problem-solving, and exciting quizzes, the workshop was instrumental in bridging the gap between theoretical knowledge and practical application, empowering attendees to explore the rapidly evolving world of decentralized technologies.





Session Brief

Part 1	
Basics of Web3 and Blockchain	The session began with a comprehensive introduction to blockchain technology, including its architecture and real-world relevance. Participants learned about decentralized networks, distributed ledgers, and consensus mechanisms. The speakers explained how Web3 differs from traditional Web2, highlighting user ownership and decentralization. Smart contracts and their role in automating blockchain transactions were discussed with simple examples.
Part 2	
Rust Programming	An overview of the Rust programming language was provided, emphasizing its safety, speed, and memory management. The concept of ownership in Rust was explained in detail, illustrating how it prevents data races and ensures memory safety. Hands-on examples were provided to help students understand borrowing and lifetimes. Arrays and other data structures in Rust were introduced with practical coding demonstrations.
Part 3	
Quizzes and Interactive Discussion	A fun and challenging quiz was conducted at the end of the technical session to reinforce learning. The quiz covered key concepts from blockchain, Web3, and Rust programming. Students participated actively, showcasing their grasp of the session's content. Winners of the quiz were awarded attractive goodies as a token of appreciation. This interactive segment created an engaging and competitive learning environment for all attendees.

Speakers



Yash Prajapati
Full-Stack Software Engineer

Yash Prajapati is a well-rounded developer with expertise spanning blockchain and full-stack development, and is committed to exploring emerging technologies and delivering impactful solutions.



Abhi Prajapati
Full-Stack Software Engineer

Abhi Prajapati is a skilled engineer with expertise in ReactJS, Node.js, and blockchain solutions. He is passionate about delivering complete web solutions and enjoys collaborating on innovative projects.

**Purvik Panchal**

Full-Stack Blockchain Developer

Purvik Panchal is a Back-end Software Engineer specializing in building scalable and secure Web3 applications. With experience at Lampros Tech, he combines technical expertise with a passion for delivering innovative and user-friendly solutions.

**Meet Paladiya**

Full-Stack Software Engineer

A developer focused on delivering end-to-end software solutions across the stack. Specializes in building secure and efficient smart contracts for decentralized platforms. With experience in leveraging Ethereum, Solidity, and related frameworks he crafts scalable solutions at Lampros Tech.



Abhishek Dubey

Team Lead & Senior Software Engineer

A senior engineer leading development teams and delivering high-impact technical solutions. Expert in architecting and delivering high-impact technical solutions that drive business growth and innovation. He combines strong leadership to guide teams through complex projects.



Prashant Suthar

HR Manager

An accomplished HR professional specializing in talent management and organizational growth. Experienced in identifying, nurturing, and aligning academic talent with evolving industry needs.



Outcomes

<p>The session was conducted smoothly with a well-structured format that featured an expert-led talk by representatives from Lampros DAO Company. The event combined conceptual discussions on Web3 and Blockchain with practical demonstrations in Rust programming, making the content highly relevant and impactful. Participants remained actively engaged throughout, asked thoughtful questions, and participated enthusiastically in coding activities and the concluding quiz. The interactive format fostered a dynamic learning environment and ensured strong participant involvement.</p>	
Event Execution and Participant Engagement	<p>The event was executed seamlessly, covering foundational topics in Blockchain, Web3, and Rust programming. Interactive teaching methods and real-time coding sessions kept participants engaged throughout. A well-structured quiz was conducted at the end, encouraging healthy competition among students. The distribution of goodies to quiz winners further enhanced enthusiasm and participation.</p>
Feedback and Participant Satisfaction	<p>Participants expressed high satisfaction with the quality and clarity of the sessions delivered. They appreciated the hands-on approach and relevance of the topics to current tech trends. Many highlighted the interactive nature of the quiz as a key highlight of the event. Overall, feedback indicated that the session was both informative and enjoyable.</p>
Knowledge and Skill Acquisition	<p>Students gained a clear understanding of blockchain fundamentals and Web3 architecture. Key Rust programming concepts, like ownership and array handling, were effectively taught. By the end of the event, participants had enhanced their conceptual knowledge.</p>
Networking and Collaborative Opportunities	<p>The expert talk provided a valuable platform for students, faculty members, and the guest speaker to connect and engage in meaningful conversations. The informal Q&A and post-session interactions encouraged academic curiosity and opened doors for future collaborations and mentorship opportunities.</p>

**IEEE****Kadi Sarva Vishwavidyalaya**
Student Branch

Attendance Sheet

**IEEE**Kadi Sarva Vishwavidyalaya
Student Branch

KADI SARVA VISHWA VIDYALAYA
LDRP INSTITUTE OF TECHNOLOGY AND RESEARCH
COMPUTER ENGINEERING DEPARTMENT

One day Workshop in association with KSV-IEEE Student Branch
"Web3-Blockchain and Rust Programming using the Arbitrum ecosystem"
Company Name: Lampros Tech Labs Pvt. Ltd

Date: 23/7/2025**Time: 9:00 AM to 3:00 PM**

SR NO.	ENROLLMENT NO.	STUDENT NAME	SEM & DIV	SIGNATURE
1	22BECE30012	Barad Sharadkumar N	A	
2	22BECE30013	Priyanshu Baraiya	A	
3	22BECE30032	Chaniyara Yashkumar N.	A	
4	22BECE30035	CHAUDHARI HARSH SAHADEVBHAI	A	
5	22BECE30036	Hetkumar Gabhubhai Chaudhari	A	
6	22BECE30037	Mahir Chaudhari	A	
7	22BECE30038	Mayurbhai Chaudhari	A	
8	22BECE30043	Chaudhary Dinesh	A	
9	22BECE30045	Hiren Chaudhary	A	
10	22BECE30061	Chitroda Kruti	A	
11	22BECE30064	Chudasama Urvish Vipulbhai	A	
12	22BECE30069	Dankhara Utkarsh Rameshbhai	A	
13	223SBECE30006	Bhuptani Sarthak Manojbhai	A	
14	223SBECE30008	Desai Zeelkumar Pankajbhai	A	
15	223SBECE30009	OUM SHYAMBHAI GADANI	A	
16	223SBECE30011	Golaniya Darshil Kamleshbhai	A	
17	22BECE30072	Darji madhav	B	
18	22BECE30075	Mohsinali Datardi	B	
19	22BECE30077	Dave Nirali Nileshkumar	B	
20	22BECE30090	GAJJAR DEVANSH	B	
21	22BECE30093	Gami Krutik Jagdishbhai	B	
22	22BECE30100	HARSH R. GOHEL	B	
23	22BECE30101	GOHIL DIVYA YOGESHBHAI	B	
24	22BECE30103	Hetvi Gor	B	

**IEEE****Kadi Sarva Vishwavidyalaya**
Student Branch**IEEE****Kadi Sarva Vishwavidyalaya**
Student Branch

25	22BECE30120	Dev Jani	B	<i>Dev Jani</i>
26	22BECE30122	Jani Mishwa	B	<i>Jani Mishwa</i>
27	22BECE30123	Yagnik Jasoliya	B	<i>Yagnik Jasoliya</i>
28	22BECE30126	JHAVERI AISHWARY RUSHIKESH	B	<i>Aishwary</i>
29	22BECE30132	Yash Joshi	B	<i>Yash Joshi</i>
30	22BECE30133	Bansi S Kadiya	B	<i>Bansi S Kadiya</i>
31	22BECE30134	Smit Anilkumar Kagathara	B	<i>Smit Anilkumar Kagathara</i>
32	22BECE30137	Hasti Kaneriya	B	<i>Hasti Kaneriya</i>
33	222SBECE30036	Prabtani Devkumar Rajulbhai.	C	<i>Prabtani Devkumar Rajulbhai.</i>
34	22BECE30146	Aryan Khamar	C	<i>ABSENT</i>
35	22BECE30149	KHATWANI JAY KISHOR	C	<i>ABSENT</i>
36	22BECE30152	KUKADIYA PRINS BIPINBHAI	C	<i>Prins Kukadiya</i>
37	22BECE30160	Makvana Tanish	C	<i>T.U. MAKVANA</i>
38	22BECE30166	Mankad Drashti Pannagbhai	C	<i>Drashti Mankad</i>
39	22BECE30184	MODI PRATHAMKUMAR MEHULKUMAR	C	<i>Pratham Modi</i>
40	22BECE30185	Yagni Modi	C	<i>Yagni Modi</i>
41	22BECE30197	Nayak Dhruvi Jigneshbhai	C	<i>Dhruvi Nayak</i>
42	22BECE30208	Viral Jayeshkumar Panchal	C	<i>ABSENT</i>
43	22BECE30211	KULDIP PANDYA	C	<i>Kuldip Pandya</i>
44	22BECE30227	Parmar Tejas A	D	<i>Tejas Parmar</i>
45	22BECE30228	Yogin Parmar	D	<i>Yogin Parmar</i>
46	22BECE30237	Anagh Patel	D	<i>ABSENT</i>
47	22BECE30270	Patel Heli Vasantkumar	D	<i>Heli Patel</i>
48	22BECE30271	Hemangi Sunilbhai Patel	D	<i>Hemangi Patel</i>
49	223SBECE30032	Jinesh Jitendrabhai Patel	D	<i>Jinesh Patel</i>
50	223SBECE30033	Patel kunj jitendrakumar	D	<i>Kunj Patel</i>
51	223SBECE30034	Patel ManasiBen kalpeshbhai	D	<i>Manasi Patel</i>
52	22BECE30303	Manthan M Patel	E	<i>ABSENT</i>
53	22BECE30311	Patel Nand Bhadreshkumar	E	<i>Nand Patel</i>
54	22BECE30334	PATEL RIYA RAKESHKUMAR	E	<i>Riya Patel</i>
55	22BECE30335	Riya Patel	E	<i>ABSENT</i>
56	22BECE30343	Patel Smit Swapnil	E	<i>ABSENT</i>
57	22BECE30398	Rathod Arpit Kiritbhai	F	<i>Arpit Rathod</i>
58	22BECE30414	Sata Mihir Hiren	F	<i>Mihir Sata</i>
59	22BECE30426	Yash shah	F	<i>Yash Shah</i>

**IEEE**

Kadi Sarva Vishwavidyalaya
Student Branch



60	223SBECE30049	Shah Kirtan	F	Kirtan
61	223SBECE30050	Shukla Dhvani Anantbhai	F	ABSENT
62	223SBECE30053	Solanki Shraddhaba	F	ABSENT
63	22BECE30443	Soni Prasangkumar Bharatbhai	G	ABSENT
64	22BECE30445	Sorathiya Bhavin D	G	ABSENT
65	223SBECE30059	VADALIYA TIRTH NILESHBHAI	G	Tirth
66	223SBECE30065	Gajjar Yash H.	G	Yash
67	223SBECE30064	Chakrasuma Kishor Vasantbhai	A	Chakrasuma
67	22BECE30049	Chauhan Anand H.	A	Anand

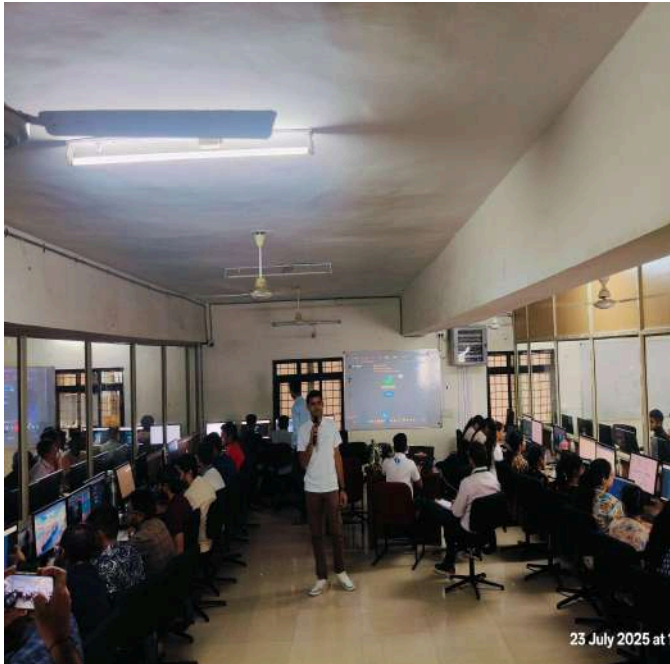


IEEE

Kadi Sarva Vishwavidyalaya
Student Branch

Glimpse of the Event







IEEE

Kadi Sarva Vishwavidyalaya
Student Branch





Conclusion

The session proved to be a highly enriching and insightful experience, offering an ideal balance of conceptual depth and practical application. The expert-led discussions on Web3 and Blockchain provided participants with clarity on the rapidly evolving digital landscape, while the hands-on Rust programming activities ensured technical skills were reinforced through practice. The interactive design of the session, coupled with engaging discussions, coding exercises, and a lively concluding quiz, kept participants motivated and actively involved throughout. The enthusiasm displayed by the attendees reflected not only their keen interest but also the effectiveness of the session in fostering meaningful learning. Overall, the event succeeded in broadening participants' perspectives, equipping them with valuable skills, and inspiring them to further explore opportunities in emerging technologies.