

Workshop on Blockchain Technologies: Research Insights to Practical Implementation

Resource Person: Dr. Shashidhar R,

**Security and Blockchain Expert
Samsung Research Institute Bangalore.**

Event Summary

The Department of Computer Science & Engineering organized a two-day hands-on workshop on Blockchain Technology on 20th and 21st May 2024. The speaker was Dr. Shashidhar R, an expert in Security and Blockchain from Samsung Research Institute Bangalore.

Target Audience:

IEEE Student Members and 4th Semester B.E. Students of CSE Streams.

Event Outcomes:

Students are able to understand Blockchain technology tools and use cases.

Report on Blockchain Technologies: Research Insights to Practical Implementation

The Department of Computer Science & Engineering organized a hands-on workshop on Blockchain Technology in the Data Structure Lab. The speaker was Dr. Shashidhar R, an expert in Security and Blockchain from Samsung Research Institute Bangalore. The workshop was held on 20th May 2024 and 21st May 2024 from 9:00 AM to 5:00 PM. Mr. Pramod, a student from the 4th semester, welcomed the gathering and introduced the expert to the audience.



Dr. Manjunath Kotari, Professor and Head of the Department of Computer Science and Engineering, and Dr. Chandra Naik, Associate Professor and coordinator of the event, were present. More than 60 students from the IEEE Members & 4th semester attended the workshop and benefited

from it.

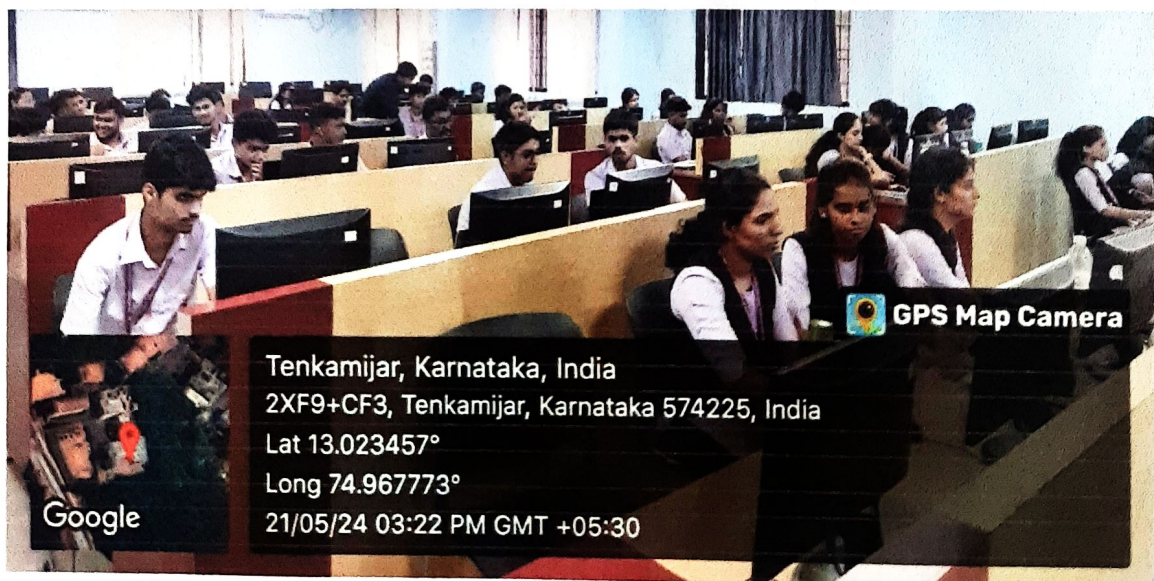


The highlights of the workshop are listed below.

1. Blockchain and Crypto Fundamentals
2. Smart contracts and Solidity Programming
3. Blockchain use cases and research directions

On day-1, morning session, the speaker introduced Blockchain and Crypto Fundamentals. He discussed various components of Blockchain such as transactions, decentralized peers, encryption processes, consensus mechanisms, crypto wallets, transactions, and smart contracts. Furthermore, he discussed the mining process, the Byzantine Generals' Problem, proof of work, proof of stake, types of blockchains, and blockchain platforms.

The afternoon session started at 1:40 pm. During this session, the speaker introduced the Solidity programming language, discussing its syntax and semantics, including variables, operators, arrays, conditional statements, looping statements, and functions. Later, he demonstrated how to write a simple smart contract using Solidity programming.





ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

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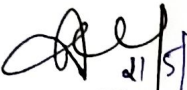
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On day-2, morning session, the speaker discussed running a private block chain network, focusing on the Geth node and setting up a personal block chain network. Furthermore, he covered writing smart contracts using Truffle.

In afternoon Session, the resource person taught attendees how to develop decentralized applications and discussed a few mini-projects using the Ethereum Blockchain. Finally, he provided insights into industry use cases of block chain and research directions.

The event coordinator Dr. Chandra Naik gave a vote of thanks and presented a memento to the expert on behalf of AIET.


Coordinator 21/5/24


HOD 21/5/24

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Principal

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Date: 11/05/2024

From,

Dr. Chandra Naik,
Associate Professor,
Department of CSE
AIET, Mijar.

Through,

Head of the Department
Department of CSE
AIET, Moodbidri

To,


The Principal,
AIET, Moodbidri


Respected Sir,

Subject: Seeking permission to conduct a workshop on Blockchain Technologies: Research Insights to Practical Implementation for students of CSE stream.

With reference to the above cited subject, a hands-on workshop on "Blockchain Technologies: Research Insights to Practical Implementation" will be organised for students of CSE streams on 20th & 21st, May 2024 in the department of CSE and the resource person is Dr. Shashidhara R, Blockchain expert, Samsung R&D Bangalore. Therefore, kindly give permission to conduct the workshop and do the needful.

Thanks & Regards


Coordinator


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Circular

It is informed to all students of CSE stream that the department of CSE is planning to conduct workshop on "Blockchain Technologies: Research Insights to Practical Implementation" on 20th & 21st, May 2024 and the resource person is Dr. Shashidhara R, Blockchain expert, Samsung R&D Bangalore. The registration link will be shared soon. Only first 60 participants are allowed to register for the workshop


Coordinator


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ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Hands-on workshop on Blockchain Technologies

Date: 20th and 21st May 2024

Signature

SL NO	USN	Name	Sector/Phone number	20-05-24 (FN)	20-05-24 (AN)	21-05-24 (FN)	21-05-24 (AN)
2	4AL22AI012	Danesh M Kolavi	AIML 7411585145	<i>AD</i>	<i>AD</i>	<i>AD</i>	
3	4AL22AI037	Pramod Uppoor	7975667147	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
4	4AL22AI050	Shetty Gaurav Jagadeesha	7972690342	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
5	4AL22CS004	Aditya H Shetty	6361090364	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
6	4AL22CS007	Akhillesh	9108503988	<i>AD</i>	<i>AD</i>	<i>AD</i>	
7	4AL22CS008	Akshay	8431133646	<i>AD</i>	<i>AD</i>	<i>AD</i>	
8	4AL22CS018	Arvind Kumar Ojha	9572353826	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
9	4AL22CS020	Ayeshatuli Hafeeza	7760560341	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
10	4AL22CS025	Bhoomika R	6366671577	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
11	4AL22CS032	Chinmay Gowda	8073443248	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
12	4AL22CS033	Chirashri	8310326511	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
13	4AL22CS038	Dhanaraj Biradar	9322087117	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>
14	4AL22CS041	Diya Rai	7483689590	<i>AD</i>	<i>AD</i>	<i>AD</i>	<i>AD</i>

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15	4AL22CS043	Faiza	A	8431387802	A13	A12	A11	
16	4AL22CS045	Gajendra A	A	6360767637	A13	A12	A11	A10
17	4AL22CS058	HARSHITHA HN	A	7676309311	A13	A12	A11	
18	4AL22CS060	Harshitha.M	A	8618628595	A13	A12	A11	A10
19	4AL22CS071	Karthik N	B	8056866519	A13	A12	A11	
20	4AL22CS072	Karthikaya JS	B	9686724126	A13	A12	A11	A10
21	4AL22CS073	Kavya S	B	8549903074	A13	A12	A11	
22	4AL22CS074	Kavyashree	B	8660164715	A13	A12	A11	A10
24	4AL22CS075	Keerthana.M	B	9380622693	A12	A11	A10	
25	4AL22CS077	Keerthiraj SB	B	7795775453	A13	A12	A11	A10
26	4AL22CS079	Kusuma C D	B	8277928478	A13	A12	A11	
27	4AL22CS083	MALLIKA.K	B	7899161005	A13	A12	A11	
28	4AL22CS093	Nikshitha P Rai	B	9353041306	A13	A12	A11	
29	4AL22CS094	Nisarga S	B	6363343472	A13	A12	A11	

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30	4AL22CS096	Nishmitha S Shetty	B	7676591321	<i>AS</i>	<i>AS</i>	<i>AS</i>	<i>AS</i>
31	4al22cs105	pranav	B	9742366246	<i>P</i>	<i>P</i>	<i>P</i>	<i>P</i>
32	4AL22CS106	Prathamesh shetty	B	6362941356	<i>Prath</i>	<i>Prath</i>	<i>Prath</i>	<i>Prath</i>
33	4AL22CS116	RAKSHITTA	B	8904470154	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>
34	4AL22CS127	Sambram	B	8746845139	<i>S</i>	<i>S</i>	<i>S</i>	<i>S</i>
35	4al22cs128	Sameeksha Shetty	C	9535257066	<i>Sam</i>	<i>Sam</i>	<i>Sam</i>	<i>Sam</i>
36	4AL22CS130	Sanjay N	C	7829634581	<i>Sanjay</i>	<i>Sanjay</i>	<i>Sanjay</i>	<i>Sanjay</i>
37	4al22cs131	Sharanya	C	7259292468	<i>Shar</i>	<i>Shar</i>	<i>Shar</i>	<i>Shar</i>
38	4AL22CS135	Shashank Bhandary	C	9019384788	<i>Shashank</i>	<i>Shashank</i>	<i>Shashank</i>	<i>Shashank</i>
39	4AL22CS139	Shashwati BU	C	6362287376	<i>Shashi</i>	<i>Shashi</i>	<i>Shashi</i>	<i>Shashi</i>
40	4AL22CS143	Samay Shetty	C	9987120987	<i>Samay</i>	<i>Samay</i>	<i>Samay</i>	<i>Samay</i>
41	4al22cs145	Shiva kumar v	C	9148096967	<i>Shiva</i>	<i>Shiva</i>	<i>Shiva</i>	<i>Shiva</i>
42	4AL22CS147	Shivani Kamath	C	8762120369	<i>Shivani</i>	<i>Shivani</i>	<i>Shivani</i>	<i>Shivani</i>
43	4AL22CS149	Shlaghana	C	8867981204	<i>Shlag</i>	<i>Shlag</i>	<i>Shlag</i>	<i>Shlag</i>
44	4AL22CS150	Shodhan Kumar shetty	C	7204211400	<i>Shodhan</i>	<i>Shodhan</i>	<i>Shodhan</i>	<i>Shodhan</i>

SLNO	USN	Name	Sector	Phone number	20-05-24 (FN)	20-05-24 (AN)	21-05-24 (FN)	21-05-24 (AN)
60	4AL2208187	VARUN NIR	C	8722001916	AT3	AT3	AT3	
61	4AL2208183	Wenju Lengshan	C	7338295207	AT3	AT3	AT3	
62	4AL2208184	Arjun R.N	C	6360340333	AT3	AT3	AT3	
63	4AL2208185	H.L. Raksha	A	9455860888	AT3	AT3	AT3	
64	4AL2208186	Arushi K.N	A	810109369	AT3	AT3	AT3	
65	4AL2208188	Shashank S	C	8310586511	AT3	AT3	AT3	
66	4AL2208189	CHIRAJI	A	6365090513	AT3	AT3	AT3	
67	4AL2208190	Sakshi B.K	B	8971845585	AT3	AT3	AT3	
68	4AL2208191	Tejshika Shetty	B	9899903303	AT3	AT3	AT3	
69	4AL2208192	Ananth R.K	CSD	8792200196	AT3	AT3	AT3	
70	4AL2208193	Devaum NAR	C	6363451245	AT3	AT3	AT3	
71	4AL2208194	Thrusha K.S	C	7259631926	AT3	AT3	AT3	
72	4AL2208195	Sandhanika Sagar	C	795058716	AT3	AT3	AT3	
73	4AL2208196	Soniya Vohari	B	8999903303	AT3	AT3	AT3	
74	4AL2208197	Vidheshwara	C	8792200196	AT3	AT3	AT3	
75	4AL2208198	Shravananagar?	B	8792200196	AT3	AT3	AT3	
76	4AL2208199	Ananth R.K	CSD	7380903304	AT3	AT3	AT3	

Workshop Coordinator

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78. Rashmi M → CSD

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