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Engineering**



A
Brief Report of Expert Talk
On
“Two-Day Hands-on Workshop on MERN Stack”
IMCA -III

Dated: 3rd & 4th September 2025



Organized By

Department of Computer Application (MCA)
Sankalchand Patel College of Engineering
Sankalchand Patel University Kamana Char Rasta,
Gandhinagar-Ambaji State Highway, Visnagar-384315



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EVENT POSTER



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Faculty of Computer Science
Department of Computer Application (MCA)
Sankalchand Patel College of Engineering,
Visnagar



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(Ministry of HRD Initiative)



EXPERT



Mr. Alkesh Kaba
Project Manager,
Creart Solutions Pvt. Ltd.

Topic: 2 Days Hands on workshop on **MERN Stack**

Topic Cover

- Backend with Node.js, Express.js & MongoDB
- Frontend with React.js
- API Integration & Project Deployment
- Final Mini Project: Notice Manager Application
(Add, View & Delete Notices)



03rd to 04th
Sept, 2025



09:30 am
Onwards



AF - 8 Lab, SPCE

CHIEF PATRON



Shri Prakash Patel
President, SPU

PATRON



Prof. (Dr.) P. M. Udani
Provost, SPU

CONVENERS



Dr. P. J. Patel
Principal, SPCE



Dr. Kirit Modi
Dean, FCS



Dr. M. I. Sandhi
Associate Dean, FCS
HOD, MCA, SPCE

Coordinator:

Mr. Dixit M. Chaudhary
Assistant Professor

www.mca.spcevng.ac.in

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SANKALCHAND PATEL VIDYADHAM
Nr. Kamana Cross Road, Visnagar-384315

FOR A BETTER TOMORROW



Brief Report on 2-Days Hands-on Workshop on MERN Stack by Mr. Alkesh Kaba

Date: 3rd & 4th September 2025

Time: 10:00 AM to Onwards

Venue: AF-8 Lab, SPCE

No of Participants: 40

Event Coordinator: - Mr. Dixit M. Chaudhary Assistant Professor-MCA

An MCA Department organized a 2-day hands-on workshop on MERN Stack on 3rd & 4th September 2025 at the AF-8 Lab. The event featured Mr. Alkesh Kaba, Project Manager at Creart Solutions Pvt. Ltd., who shared his valuable insights on full-stack development using MERN (MongoDB, Express.js, React.js, and Node.js). The sessions enriched participants' knowledge with practical exposure, real-world examples, and coding exercises. The workshop was attended by MCA students and faculty members of SPCE College.

Expert: **Mr. Alkesh Kaba**
Project Manager, Creart Solutions Pvt. Ltd.
(M) 91- 9016647480,
E-Mail: alkesh.kaba@creartsolutions.com

Brief of Expert: -

Mr. Alkesh Kaba is a Senior Software Developer with more than 10 years of experience in the IT industry. He has worked extensively with various programming languages such as PHP, Python, JavaScript, Angular, and Node.js, along with popular frameworks like Laravel, CodeIgniter, Magento, Django, and Express.js. His portfolio includes diverse applications like Job Portals, E-commerce solutions, ERP systems, Expense Management Systems, Student Management Systems, Fees Management Systems, and Single Page Applications (SPA).

Mr. Kaba has delivered over 100 seminars and workshops across multiple states, sharing his expertise with more than 3000+ participants, including students, faculty, and industry professionals. He has corporate training experience with reputed organizations such as Brainvire InfoTech Pvt. Ltd. and Credencys Solutions, where he conducted FDPs and training sessions on AngularJS, PHP, and advanced frameworks.

Technical Skills:

- Programming Languages: C, C++, PHP, Python, Node.js
- Frameworks: CodeIgniter, Laravel, Django, Express.js
- CMS: WordPress, Magento
- Scripting: JavaScript, jQuery, JSON
- Design Patterns: MVC, FACADE
- Web Designing: HTML, HTML5, Bootstrap
- Style Sheets: CSS, CSS3
- Databases: MySQL, SQL, SQLite, MongoDB

Industrial Projects:

- <http://capiforex.com/> ● <https://www.tappancollective.com/> ● <http://praxware.com/>
- <http://socet.edu.in/socet/> ● <http://placement.citgroup.in/>



With his rich industry exposure, project expertise, and strong training background, Mr. Kaba is recognized for his ability to deliver practical, industry-ready applications and mentor students to prepare them for real-world challenges in IT.

Topics Covered:

1. Introduction to MERN Stack

- Overview of MongoDB, Express.js, React.js, and Node.js
- MERN architecture and real-world applications
- Environment setup and installation

2. Backend Development with Node.js & Express.js

- Building basic servers and handling requests
- CRUD operations using MongoDB
- RESTful API development
- Middleware and error handling

3. Frontend Development with React.js

- React components, props, and state management
- Event handling and form processing
- Hooks and lifecycle methods
- Integration of React frontend with backend APIs

4. Hands-on Practice

- Live coding exercises for building APIs
- Real-time integration of frontend and backend
- Debugging and troubleshooting common issues

5. Mini Project: Notice Manager Application

- Add, View, and Delete Notices
- Complete MERN-based CRUD functionality
- Code walkthrough and testing
- Best practices for scalable development

6. Deployment & Industry Practices

- Hosting MERN applications on cloud platforms
- GitHub for version control
- Introduction to CI/CD pipelines
- Industry use cases and career opportunities

7. Final Tips and Guidance

- Importance of continuous practice
- Roadmap for mastering MERN stack
- Insights into full-stack developer career paths

Conclusion

The 2-day hands-on workshop on MERN Stack was a highly enriching experience for MCA students. The expert, Mr. Alkesh Kaba, effectively combined theoretical concepts with live coding sessions and project-based learning. Participants gained confidence in backend and frontend integration, building REST APIs, React-based user interfaces, and developing a complete CRUD-based Notice Manager Application. They also explored deployment strategies and industry-oriented practices.

The workshop concluded with enthusiastic feedback from students, who expressed that the sessions significantly enhanced their understanding of full-stack development and motivated them to pursue advanced projects using the MERN stack.



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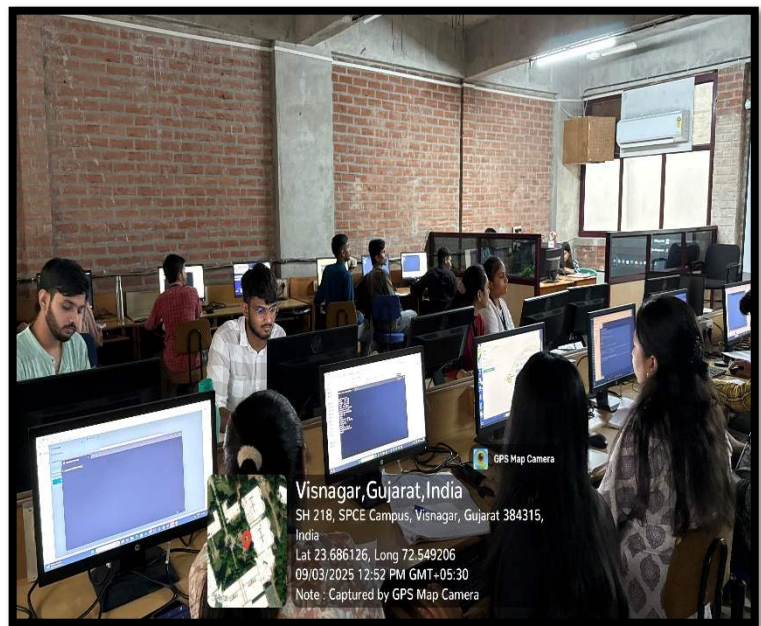
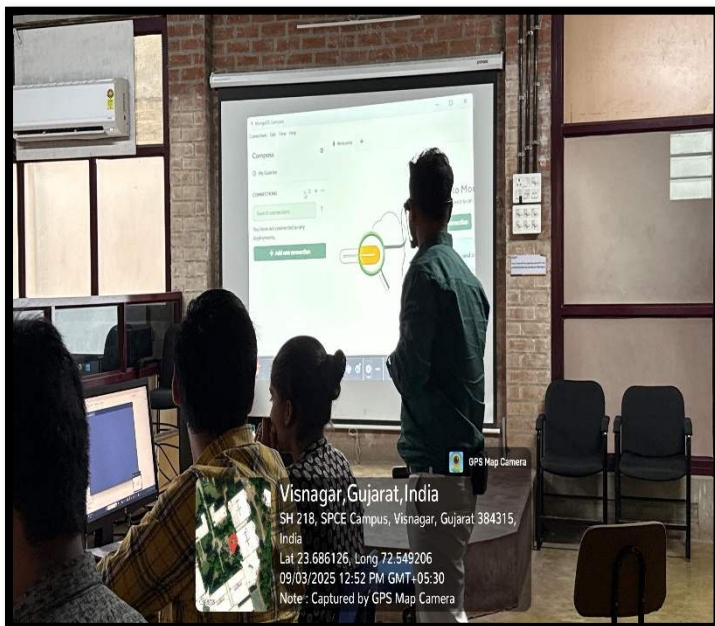
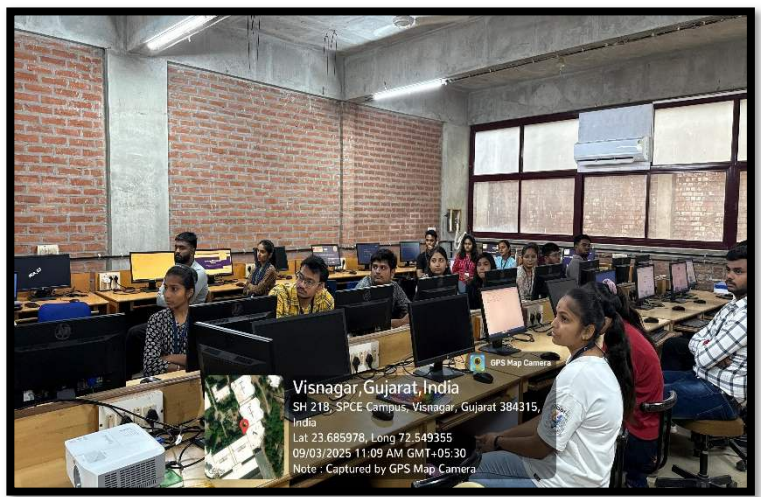
Glimpses of the Expert Talk Day 1





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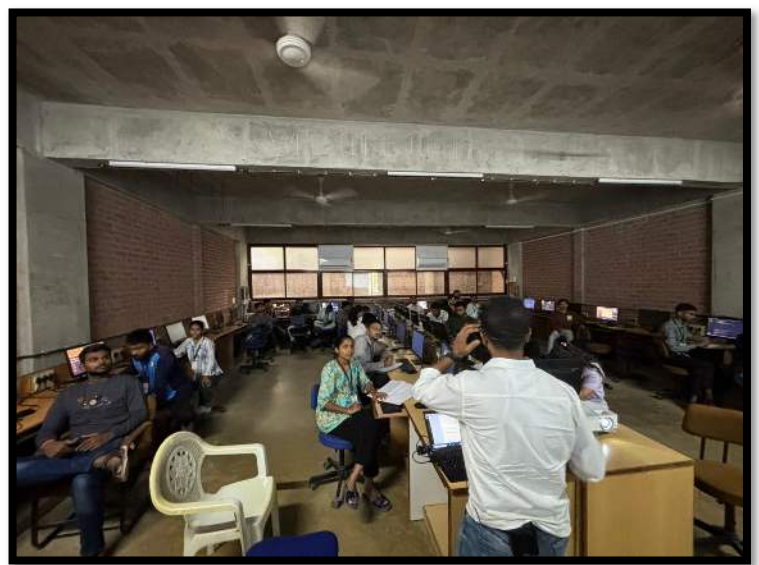


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Day 2





LIST OF STUDENTS PARTICIPANT (3/9/2025 & 4/9/25)

<p align="center">Department of Computer Application (MCA) Sankalchand Patel College Of Engineering, Visnagar MCA Semester-III (2025-26) MERN Stack 2 Days Workshop Attendance Sheet Date: 03/09/2025 Time: 09:30 AM</p>			
Sr.No.	Roll No.	Students Name	Signature
1	1	BANKER MANAV AJITBHAI	<i>Manav</i>
2	2	BAROT ASTHA JIGNESHKUMAR	
3	3	BAROT JAYRAJKUMAR RAKESHKUMAR	<i>Barot Jayraj De.</i>
4	4	CHAUDHARI SANDIPKUMAR DINESHBHAI	<i>(Chaudhary)</i>
5	5	CHAUDHARY HARSHIL DINESHBHAI	
6	6	CHAUDHARY PRIYA MADHUBHAI	<i>Priya</i>
7	7	GOSWAMI ANJALIBEN NARENDRAPURI	<i>A.N.G.</i>
8	8	JANSARI MAHIR MAHENDRAKUMAR	<i>Manoj</i>
9	9	KARDANI NIP KIRITBHAI	<i>AVIP</i>
10	10	MALI MAHENDRAKUMAR RAMESHBHAI	
11	11	MODI ISHITA BHARATBHAI	<i>Imodi</i>
12	12	MUJPARA DEEP VISHNUBHAI	<i>Deep</i>
13	13	NAYAK NANDINI BHUPENDRAKUMAR	
14	14	NAYAK RUDRA ASHOKKUMAR	
15	15	PAREKH TIRTH MANOJBHAI	<i>Tirth</i>
16	16	PARMAR HINABEN RAJENDRAKUMAR	<i>Hines</i>
17	17	PARMAR JIGAR RAMESHBHAI	<i>J.R. Parmar</i>
18	18	PARMAR MEET ASHVINKUMAR	
19	19	PARMAR PARINABEN GANPATBHAI	<i>Parin</i>
20	20	PARMAR SALONI VINODKUMAR	<i>Saloni</i>
21	21	PATEL DEV DIPAKBHAI	<i>Dev</i>
22	22	PATEL DIYABEN DINESHBHAI	<i>Diyab</i>
23	23	PATEL JILSHI JAYESHBHAI	<i>Patel</i>
24	24	PATEL JIYABEN JITENDRABHAI	
25	25	PATEL MANSIBEN VIPULKUMAR	
26	26	PATEL POOJAN HASMUKHBHAI	
27	27	PATEL SRUSHTIBEN MAHESHBHAI	<i>Shr</i>
28	28	PRAJAPATI HIMANIBEN MUKESHBHAI	
29	29	PRAJAPATI JAY RAMESHBHAI	
30	30	PRAJAPATI KETULKUMAR SURESHBHAI	<i>K</i>
31	31	PRAJAPATI MILAN RAMESHBHAI	<i>M</i>
32	32	PRAJAPATI PARTH KAUSHIKKUMAR	<i>Parth</i>



33	33	SALU MAHAMADSAFIK SAIFULLAH	<i>S. M. Surik</i>
34	34	SATHAVARA JAIMIN VIRAMBHAI	<i>J.V.S.</i>
35	35	SENAMA JAYDEEPKUMAR BHIKHABHAI	
36	36	SENMA CHETANKUMAR JESANGBHAI S	
37	37	SENMA JAYMINKUMAR GIRISHBHAI	
38	38	SHAIKH MAHAMMADFAIZAN PARVEZBHAI	<i>S. M. Par</i>
39	39	SIPAI ROJINABANU JABIRHUSEN	
40	40	SONI AISHWARYA VISHNUKUMAR	
41	41	SUMARA MOINUDIN ISMAILBHAI	
42	42	THAKOR KARANJI CHAMPUJI	<i>Ke. + hykor</i>
43	43	THAKOR SATISHKUMAR BHAVANJI	<i>S.B. Thakor</i>
44	44	THAKOR TUSHALJI HARESHJI	
45	45	THAKOR VISHAL AMRATJI	
46	46	UDIT NARENDRAKUMAR CHAUDHARI	<i>Udit</i>
47	47	VANKAR HARVIBEN MAHESHBHAI	<i>Harvi</i>
48	48	DARJI RAJ DIXITKUMAR	<i>Raj</i>
49	49	PATEL DHRUMIKKUMAR NITINKUMAR	<i>Dhruv</i>
50	50	AGAJA NIKITABEN DINESHBHAI	
51	51	RAJGOR NITIBEN ASHVINKUMAR	<i>Nitib</i>



**Department of Computer Application (MCA)
Sankalchand Patel College Of Engineering, Visnagar
MCA Semester-III (2025-26)
MERN Stack**

2 Days Workshop Attendance Sheet

Date: 04/09/2025

Time: 09:30 AM

Sr.No.	Roll No.	Students Name	Signature
1	1	BANKER MANAV AJITBHAI	
2	2	BAROT ASTHA JIGNESHKUMAR	
3	3	BAROT JAYRAJKUMAR RAKESHKUMAR	Barot Jayraj R.
4	4	CHAUDHARI SANDIPKUMAR DINESHBHAI	Chaudhary
5	5	CHAUDHARY HARSHIL DINESHBHAI	
6	6	CHAUDHARY PRIYA MADHUBHAI	Priya
7	7	GOSWAMI ANJALIBEN NARENDRAPURI	
8	8	JANSARI MAHIR MAHENDRAKUMAR	Mahir
9	9	KARDANI NIP KIRITBHAI	Nip K.
10	10	MALI MAHENDRAKUMAR RAMESHBHAI	
11	11	MODI ISHITA BHARATBHAI	
12	12	MUJPARA DEEP VISHNUBHAI	Deep
13	13	NAYAK NANDINI BHUPENDRAKUMAR	
14	14	NAYAK RUDRA ASHOKKUMAR	
15	15	PAREKH TIRTH MANOJBHAI	Tirth
16	16	PARMAR HINABEN RAJENDRAKUMAR	Hinab
17	17	PARMAR JIGAR RAMESHBHAI	J. R. Parmar
18	18	PARMAR MEET ASHVINKUMAR	
19	19	PARMAR PARINABEN GANPATBHAI	Parinab
20	20	PARMAR SALONI VINODKUMAR	
21	21	PATEL DEV DIPAKBHAI	Dev P.
22	22	PATEL DIYABEN DINESHBHAI	Diyab
23	23	PATEL JILSHI JAYESHBHAI	
24	24	PATEL JIYABEN JITENDRABHAI	
25	25	PATEL MANSIBEN VIPULKUMAR	Mansib
26	26	PATEL POOJAN HASMUKHBHAI	
27	27	PATEL SRUSHTIBEN MAHESHBHAI	S.m. Patel
28	28	PRAJAPATI HIMANIBEN MUKESHBHAI	
29	29	PRAJAPATI JAY RAMESHBHAI	
30	30	PRAJAPATI KETULKUMAR SURESHBHAI	Ketul
31	31	PRAJAPATI MILAN RAMESHBHAI	Milan
32	32	PRAJAPATI PARTH KAUSHIKKUMAR	Parth



33	33	SALU MAHAMADSAFIK SAIFULLAH	<i>Son. Sa. Pk</i>
34	34	SATHAVARA JAIMIN VIRAMBHAI	<i>J. V. S.</i>
35	35	SENAMA JAYDEEPKUMAR BHIKHABHAI	
36	36	SENMA CHETANKUMAR JESANGBHAI S	
37	37	SENMA JAYMINKUMAR GIRISHBHAI	
38	38	SHAIKH MAHAMMADFAIZAN PARVEZBHAI	<i>Sh. Faizan</i>
39	39	SIPAI ROJINABANU JABIRHUSEN	<i>Rojina</i>
40	40	SONI AISHWARYA VISHNUKUMAR	<i>Aishwarya</i>
41	41	SUMARA MOINUDIN ISMAILBHAI	<i>Sym. M. I</i>
42	42	THAKOR KARANJI CHAMPUJI	<i>Ke. + by 1208</i>
43	43	THAKOR SATISHKUMAR BHAVANJI	<i>S. B. Thakor</i>
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49	49	PATEL DHRUMIKKUMAR NITINKUMAR	<i>D. N. Patel</i>
50	50	AGAJA NIKITABEN DINESHBHAI	
51	51	RAJGOR NITIBEN ASHVINKUMAR	<i>Niti</i>



Impact Analysis:

The 2-Day Hands-on Workshop on MERN Stack created a significant academic and professional impact on the participants. The following outcomes were observed:

1. Skill Enhancement

- Students gained practical exposure to **full-stack development** using MongoDB, Express.js, React.js, and Node.js.
- Participants successfully developed a **CRUD-based Notice Manager Application**, demonstrating their ability to apply concepts learned.

2. Industry Relevance

- The expert shared **real-world projects and case studies**, helping students understand how MERN stack is applied in the IT industry.
- Participants became aware of **deployment practices, version control (GitHub), and CI/CD workflows** used in professional environments.

3. Confidence Building

- Interactive coding sessions boosted students' confidence in **writing APIs, debugging code, and integrating frontend with backend systems**.
- Many participants expressed readiness to **work on independent MERN-based projects** after the workshop.

4. Professional Readiness

- The workshop bridged the gap between academic knowledge and industry expectations.
- Students learned **best practices for scalable applications**, improving their employability in the software development sector.

5. Quantitative Outcomes

- 40 participants** trained during the workshop.
- 92%+ students** gave positive feedback, highlighting practical learning as the key benefit.
- 94%+ participants** expressed interest in pursuing advanced MERN or full-stack projects.

6. Institutional Benefit

- Strengthened the MCA Department's reputation for conducting **industry-oriented training programs**.
- Encouraged collaborations for future **faculty development programs, corporate training, and advanced workshops**.



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Certificate of Participation

This is proudly presented to

<<Student Name>>

For Actively Participating

“Two Days Hands on Workshop on MERN Stack”

Organized By

Department of Computer Application (MCA), Sankalchand Patel College of Engineering,
Sankalchand Patel University, Visnagar held on 3rd – 4th September, 2025.

The workshop provided participants with practical exposure to MongoDB, Express.js, React.js,
and Node.js, covering fundamentals to advanced concepts of MERN stack development

Asst.Prof. Dixit Chaudhary
Event Coordinator

Dr. M. I. Sandhi
Associate Dean,
FCS HOD-MCA, SPCE

Mr. Alkesh Kaba
Expert

Dr. Piyush J. Patel
Principal, SPCE

Serial No: SPU/SPCE/2025/<<Sr>>

Date:- <<Date>>



EVENT FEEDBACK BY STUDENTS

Feedback Form Link: - <https://forms.gle/LrYfpndHWnVKjivn9>

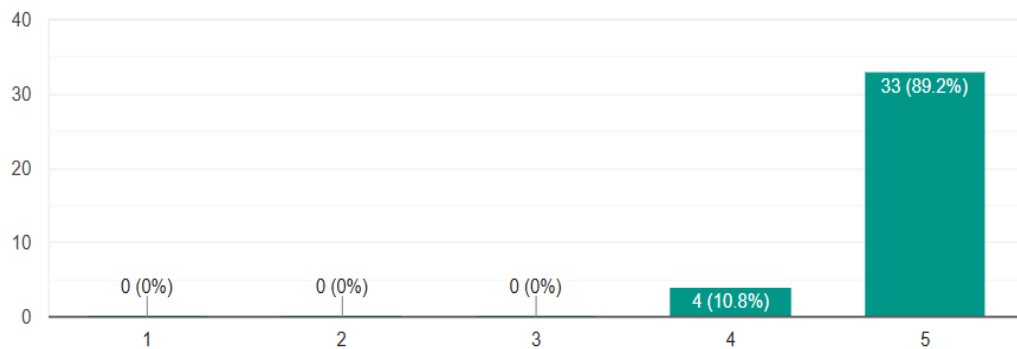
Feedback Analysis:

Workshop Content & Delivery

How would you rate the overall workshop experience?

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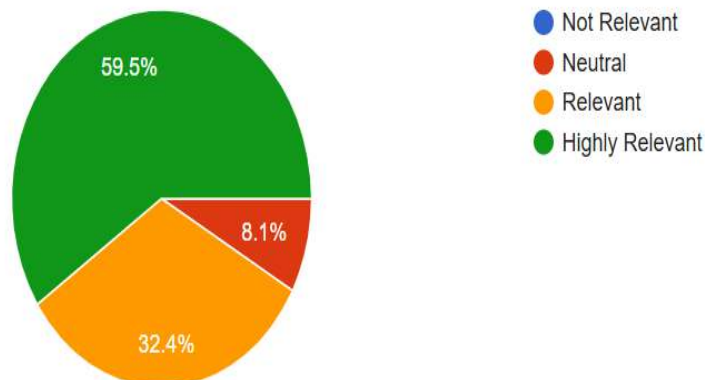
37 responses



The topics covered (Node.js, Express.js, MongoDB, React.js, API, Mini Project) were:

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37 responses

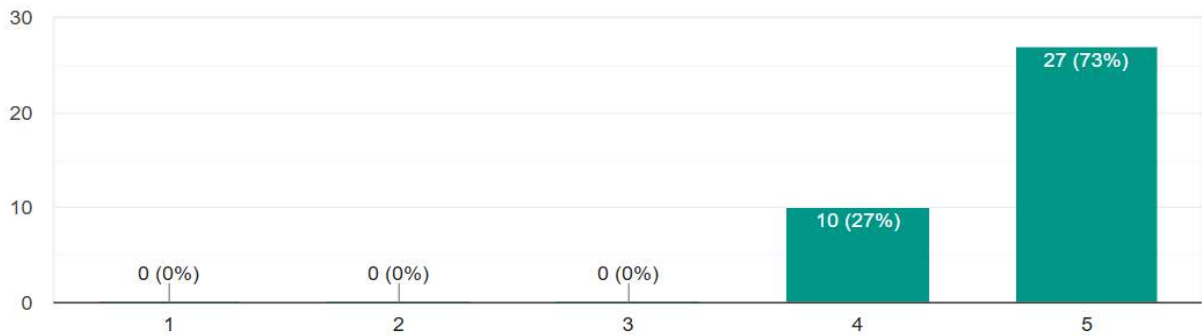




The content was delivered in a clear and understandable way.

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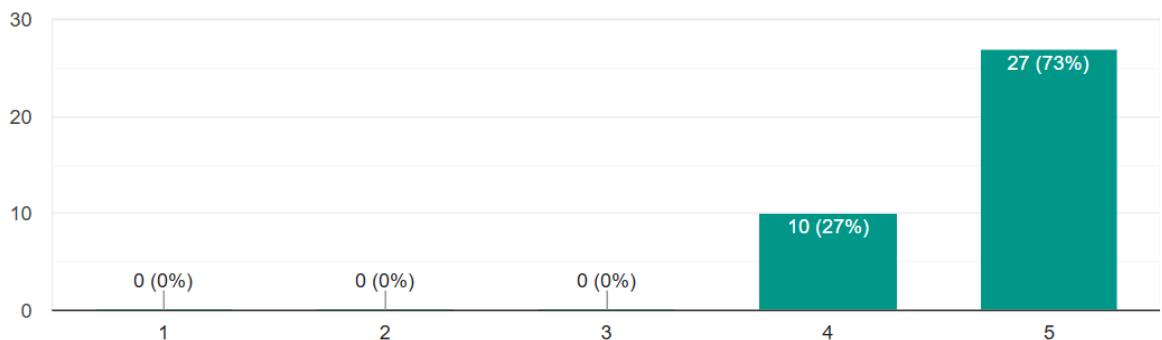
37 responses



The information presented was relevant to your needs & expectation.

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37 responses

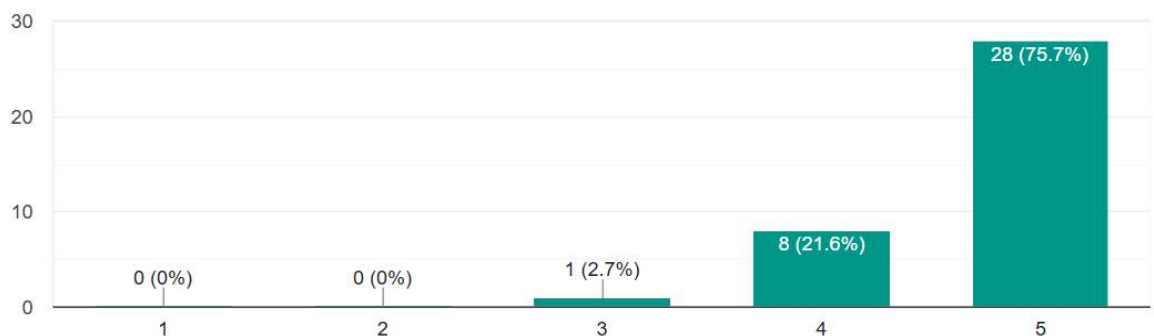


Expert Evaluation

The expert's subject knowledge and command over MERN stack was:

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37 responses

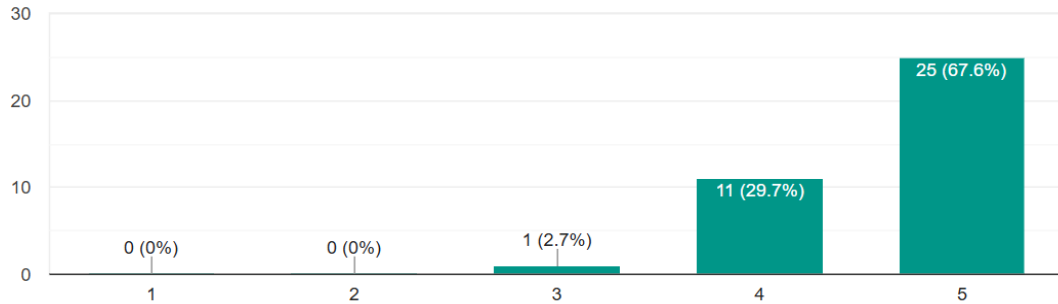




The expert encouraged interaction and solved queries effectively.

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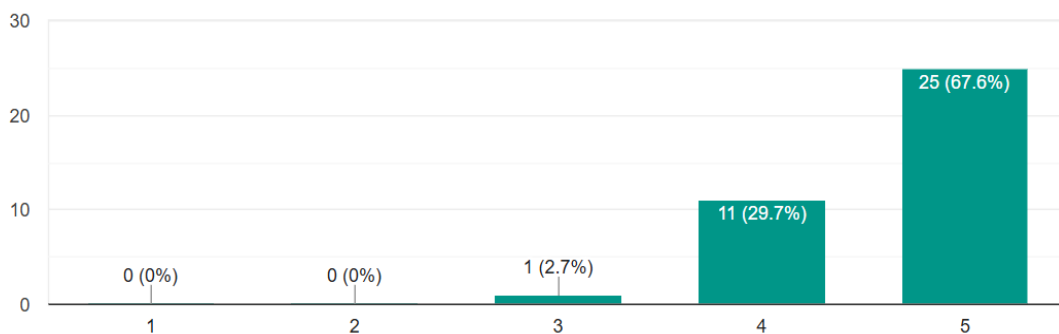
37 responses



The expert encouraged interaction and solved queries effectively.

[Copy chart](#)

37 responses



Overall Learning Outcome

What was your key learning from this workshop?

37 responses

Mongo db

My key learning from this workshop was the value of adapting to new ideas through collaboration.

Mern stack

My key learning from the MERN stack workshop was understanding how to build a full-stack web application using MongoDB, Express.js, React, and Node.js, and how these technologies work together seamlessly.

Mongodb, react, express js,

Improved understanding of concepts with practical insights.

Mogodb,node.js,api

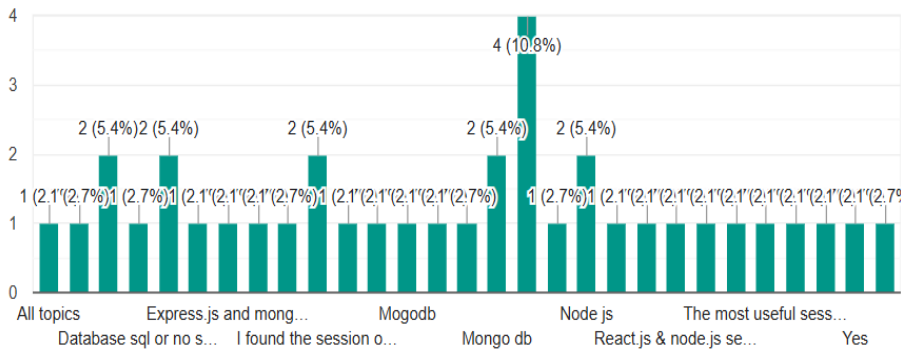
Full stack developer



Which topic or session did you find *most useful*?

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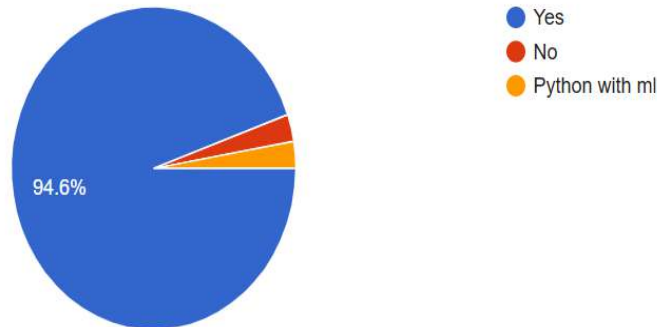
37 responses



Would you like to attend *more hands-on workshops* on advanced technologies (AI, Cloud, Cybersecurity, etc.)?

[Copy chart](#)

37 responses



Prepared by:

Verified by:

Approved by:

Mr. Dixit M. Chaudhary

Dr. Idrish I. Sandhi

Dr. P. J. Patel

Assistant Professor

Head of Department (MCA)

Principal, SPCE, SPU
