

Date:09/08/2025

Report on "STTP on Power BI"

Name of the Program:	STTP on Power BI	Program Dates & Timings:	21-07-2025 to 31-07-2025		
Name & Details of the Resource Person:	Mr. Charan from CAAD TECH, Moodbidri				
Organized by (Clubs/ Dept.)	Mechanical Department	In Association with (clubs)	ARMS		
Number of Participants	28	Students	28	Faculty	00
Program Outcome (PO) Mapping	PO1, PO2, PO5, PO9, PO10, PO12				
Coordinators	Dr. Vighnesha Nayak & Mr. Harold D'Souza				

About the Program: The Department of Mechanical Engineering organized a **Short Term Training Program (STTP)** on **Microsoft Power BI** to strengthen participants' skills in business intelligence, data analytics, and visualization. The training was designed to enable students and faculty to transform raw data into actionable insights using modern analytical tools widely adopted in industry.

The STTP commenced with a warm welcome by **Dr. Vighnesha Nayak**, Program coordinator who highlighted the objective of the event and the vital role of Power BI data analytics software in industry. **Dr. Rajesh Rai P**, HOD of the department, delivered the address, underlining the importance of integrating Power BI software education into academic and industrial activities. **Mr. Harold D'Souza**, addressed introduction of resource person, the program details and vote of thanks.

The resource person of the program, Mr. Charan, an esteemed expert conducted the program for 10 days from 21-07-2025 to 31-07-2025 for 28 students of the final year mechanical engineering.

Power BI is a **business analytics service** developed by Microsoft that enables interactive visualizations and business intelligence capabilities. It allows users to connect to multiple data sources, clean and transform data, create dashboards, and share insights across an organization. Power BI integrates with Microsoft Office tools, SQL databases, cloud services, and ERP systems for comprehensive analytics.

Topics Covered

- Introduction to Business Intelligence & Power BI
- Power BI Desktop Interface & Navigation
- Data Import from Multiple Sources (Excel, SQL, Web, ERP systems)
- Data Cleaning & Transformation using Power Query
- Data Modeling and Relationships
- Creating Measures using DAX (Data Analysis Expressions)
- Designing Interactive Dashboards
- Publishing and Sharing Reports on Power BI Service
- Case Studies on Manufacturing & Supply Chain Analytics
- Integration with SAP/MM for real-time business insights

This session was designed to offer hands-on insights, especially beneficial for students and make them ready for industry.

An interactive Q&A session allowed participants each day to seek expert advice. The queries were addressed with detailed explanations, reflecting the practical knowledge of the speakers.

Participants expressed high satisfaction with the **hands-on training approach and real-world case studies**. Many appreciated learning how to integrate Power BI with ERP systems for manufacturing and supply chain analytics. The STTP successfully achieved its objectives by equipping learners with industry-ready business analytics skills, thereby enhancing their employability and readiness for data-driven roles.

The STTP concluded with a vote of thanks proposed by **Dr. Vighnesha Nayak**, who acknowledged the support of the management, speakers, and the enthusiastic participation of students and faculty members. **Dr. Rajesh Rai P**, HOD of the department, delivered the presidential address.

Objectives: The program Start-up Pitch Session enable students to

1. Introduce participants to the concepts of data visualization and business analytics.
2. Provide hands-on training in Power BI's interface, tools, and features.
3. Enable participants to connect, clean, and transform datasets from various sources.
4. Teach techniques to create interactive dashboards and analytical reports.
5. Demonstrate real-time data analysis and integration with ERP/SAP systems.
6. Develop industry-ready skills in data-driven decision-making.

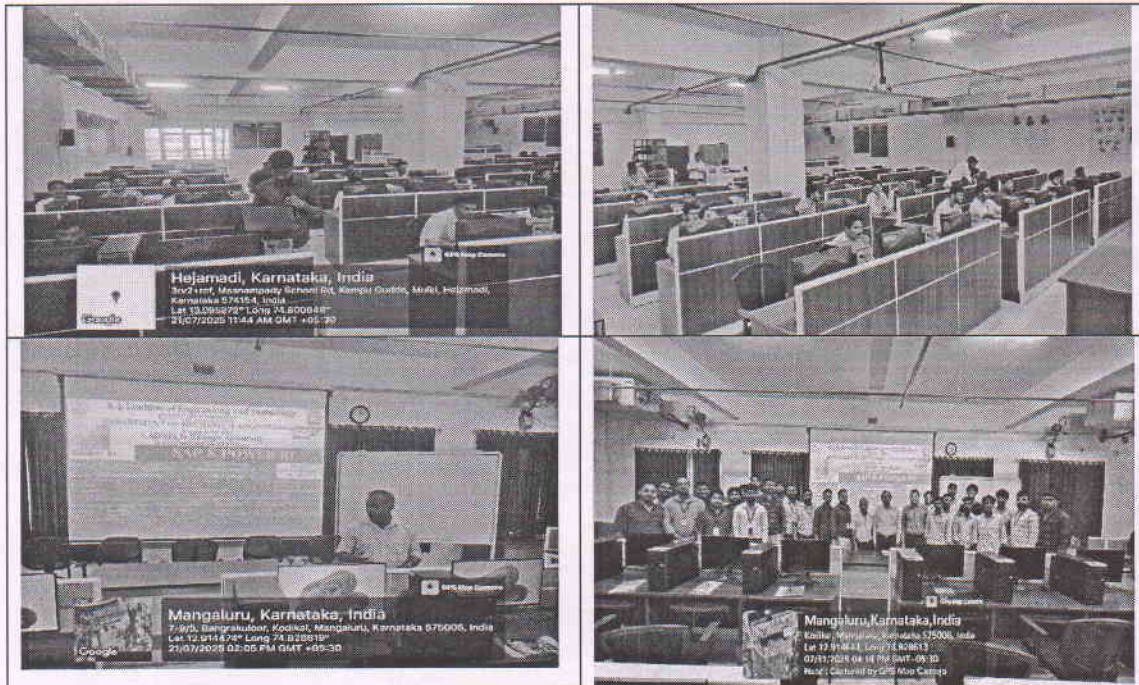
Outcomes: On successful completion of program, the student should able to:

1. Understand business intelligence concepts and Power BI workflow.
2. Create calculated measures and columns using DAX functions and Develop interactive dashboards for data visualization.
3. Publish and share reports for collaborative analysis & Apply Power BI for real-world problem-solving in manufacturing, sales, and supply chain domains.

Articulation Matrix:

Course Outcomes	Program Outcomes											
	1	2	3	4	5	6	7	8	9	10	11	12
1	2	2	-	-	3	-	-	-	1	1	-	1
2	2	2	-	-	3	-	-	-	1	1	-	1
3	2	2	-	-	3	-	-	-	1	1	-	1
Average	2	2	-	-	3	-	-	-	1	1	-	1

Photos:



[Handwritten Signature]
Event Coordinator

[Handwritten Signature]
Dean (Academics)

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HOD- ME
 H.O.D. - Mechanical Engineering
 A.J. INSTITUTE OF ENGINEERING AND TECHNOLOGY
 Mangaluru - 575 006, D.K., Karnataka

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Principal
 Principal
 A.J. Institute of Engineering & Technology
 Mangaluru - 575 006

Attendance on "STTP on Power BI"

S. No	USN	Name	21-07-25	22-07-25	23-7-2025	24-07-2025
			9-1	9-11	9-11	9-11
1	4JK22ME001	AASHEEL T	Asheel	Asheel	Asheel	Asheel
2	4JK22ME002	ABDURRAHMAN	Abdur	Abdur	Abdur	Abdur
3	4JK22ME003	AKASH B SHETTY	Akash	Akash	Akash	Akash
4	4JK22ME005	ARJUN SANIL KUMAR P	Arjun	Arjun	Arjun	Arjun
5	4JK22ME007	C S SANDRAJITH	Cs	Cs	Cs	Cs
6	4JK22ME009	DHANUSH	Dhanush	Dhanush	Dhanush	Dhanush
7	4JK22ME010	DIPIN CHANDRA P K	Dipin	Dipin	Dipin	Dipin
8	4JK22ME011	FABIN MARTIN (Backlog)	Fabin	Fabin	Fabin	Fabin
9	4JK22ME012	GOWTHAM	Gowtham	Gowtham	Gowtham	Gowtham
10	4JK22ME013	HENOK C S	Henok	Henok	Henok	Henok
11	4JK22ME014	ISHAN AHMED (Medical)	← ABSENT →			
12	4JK22ME015	JIJINRAJ	Jijinraj	Jijinraj	Jijinraj	Jijinraj
13	4JK22ME018	MONITH K	Monith	Monith	Monith	Monith
14	4JK22ME019	MUHAMMAD H HAFEEZ	Muham	Muham	Muham	Muham
15	4JK22ME021	NAVADEEP V N	Navadeep	Navadeep	Navadeep	Navadeep
16	4JK22ME022	NIKHIL P KOCHREKAR	Nikhil	Nikhil	Nikhil	Nikhil
17	4JK22ME024	PRANAM R	Pranam	Pranam	Pranam	Pranam
18	4JK22ME025	PRATHAM SHETTY	Pratham	Pratham	Pratham	Pratham
19	4JK22ME026	SACHIN	Sachin	Sachin	Sachin	Sachin
20	4JK22ME027	SACHIN S M (Backlog)	← ABSENT →			
21	4JK22ME028	SALIAN AYUSH	Salian	Salian	Salian	Salian
22	4JK22ME030	SANIJ S SHAJI	Sanij	Sanij	Sanij	Sanij
23	4JK22ME031	SATHVIK S POOJARY	Sathvik	Sathvik	Sathvik	Sathvik
24	4JK22ME034	SOHAN M	Sohan	Sohan	Sohan	Sohan
25	4JK22ME035	SURAKSHITH KUMAR K R	Surakshith	Surakshith	Surakshith	Surakshith
26	4JK22ME036	SURYA	Surya	Surya	Surya	Surya
27	4JK22ME038	SWITTIN SREEJITH	Swittin	Swittin	Swittin	Swittin
28	4JK22ME039	THARUN	Tharun	Tharun	Tharun	Tharun
29	4JK22ME040	YAKSHITH	Yakshith	Yakshith	Yakshith	Yakshith
30	4JK23ME400	ADHITH	Adhith	Adhith	Adhith	Adhith
31	4JK23ME401	ANJALI GOUDAR (Medical)	← ABSENT →			
32	4JK23ME402	SHARANDEEP	Sharan	Sharan	Sharan	Sharan

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Program Coordinator

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S. No	USN	Name	25-07-2025	26-07-2025	29-07-2025
			9-11	9-11	9-1, 2-4
1	4JK22ME001	AASHEEL T	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
2	4JK22ME002	ABDURRAHMAN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
3	4JK22ME003	AKASH B SHETTY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
4	4JK22ME005	ARJUN SANIL KUMAR P	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
5	4JK22ME007	C S SANDRAJITH	<i>[Signature]</i>	<i>[Signature]</i>	
6	4JK22ME009	DHANUSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
7	4JK22ME010	DIPIN CHANDRA P K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
8	4JK22ME011	FABIN MARTIN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
9	4JK22ME012	GOWTHAM.	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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13	4JK22ME018	MONITH K	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
14	4JK22ME019	MUHAMMAD H HAFEEZ	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
15	4JK22ME021	NAVADEEP V N	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
16	4JK22ME022	NIKHIL P KOCHREKAR	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
17	4JK22ME024	PRANAM R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
18	4JK22ME025	PRATHAM SHETTY	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
19	4JK22ME026	SACHIN	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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21	4JK22ME028	SALIAN AYUSH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
22	4JK22ME030	SANIJ S SHAJI	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
23	4JK22ME031	SATHVIK S POOJARY	<i>[Signature]</i>	<i>[Signature]</i>	← AB →
24	4JK22ME034	SOHAN M	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
25	4JK22ME035	SURAKSHITH KUMAR K R	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
26	4JK22ME036	SURYA	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
27	4JK22ME038	SWITTIN SREEJITH	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
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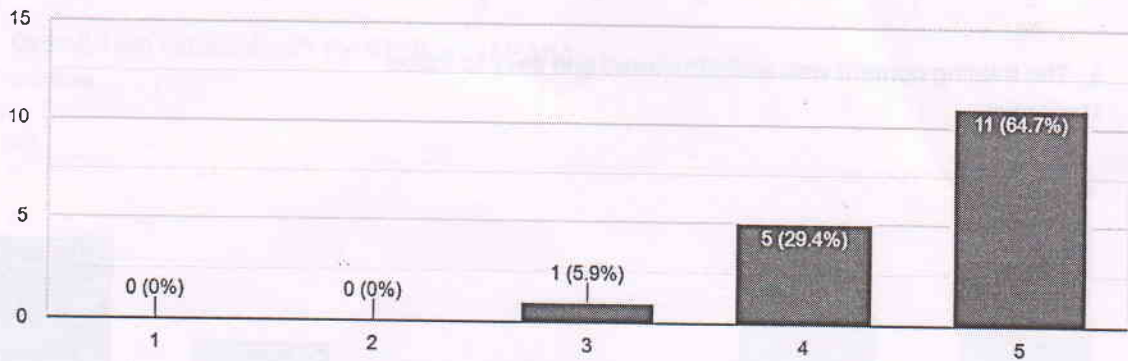
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Program Coordinator

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HOD-ME

FEEDBACK:

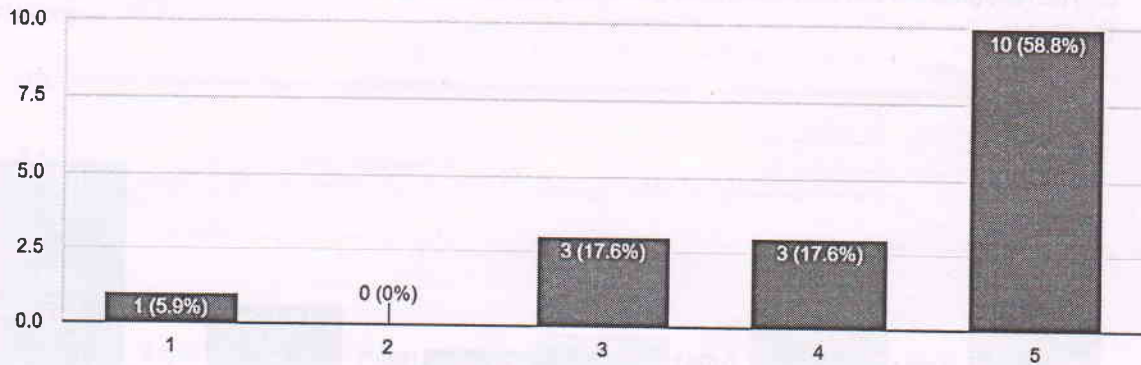
1. The objectives of the STTP were clearly explained.

17 responses



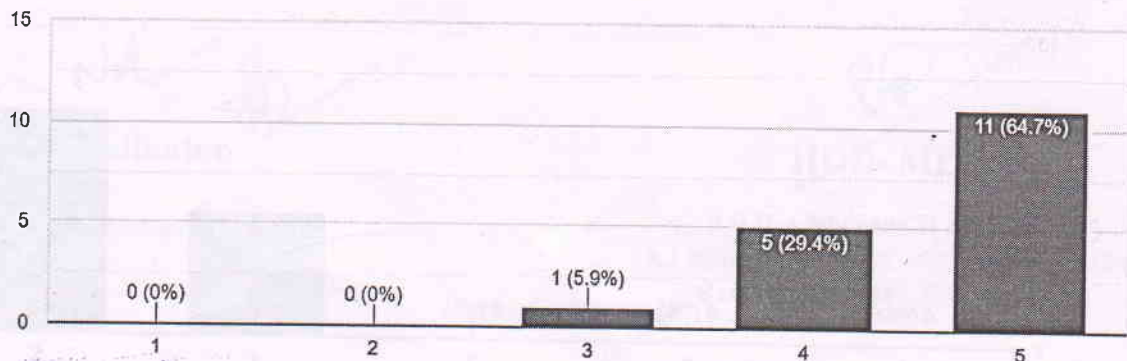
2. The topics covered were relevant and useful for my academic/industry requirements.

17 responses



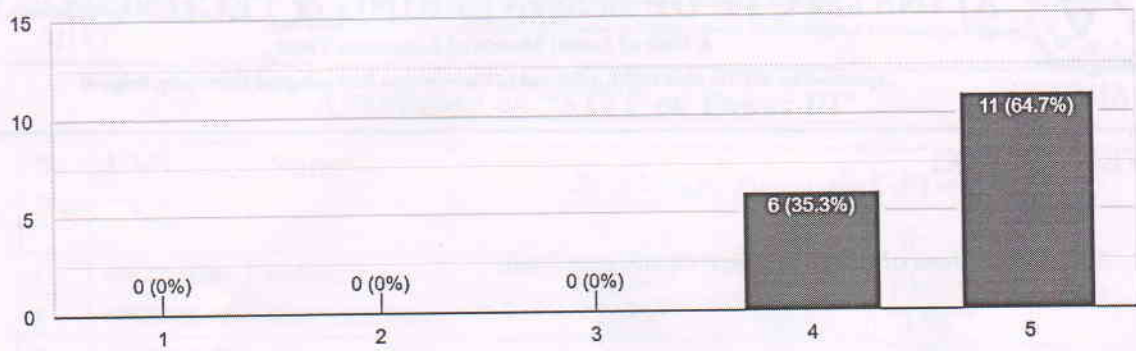
3. The depth of coverage in Power BI concepts was appropriate.

17 responses



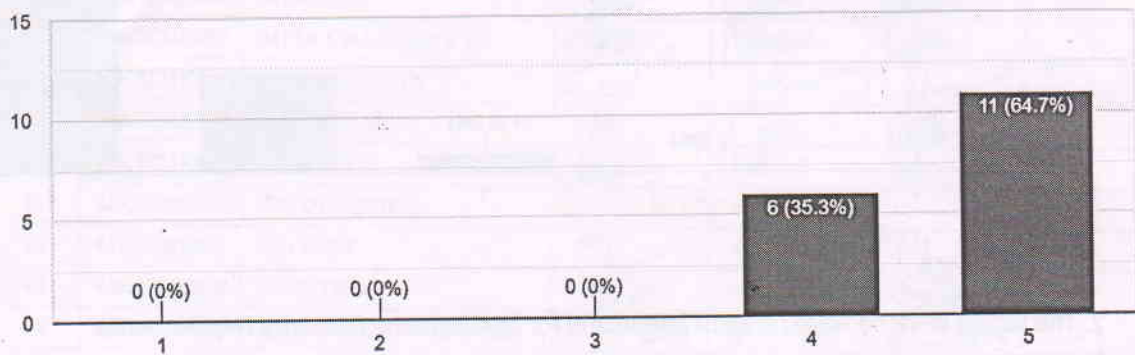
4. The balance between theory and hands-on practice was effective.

17 responses



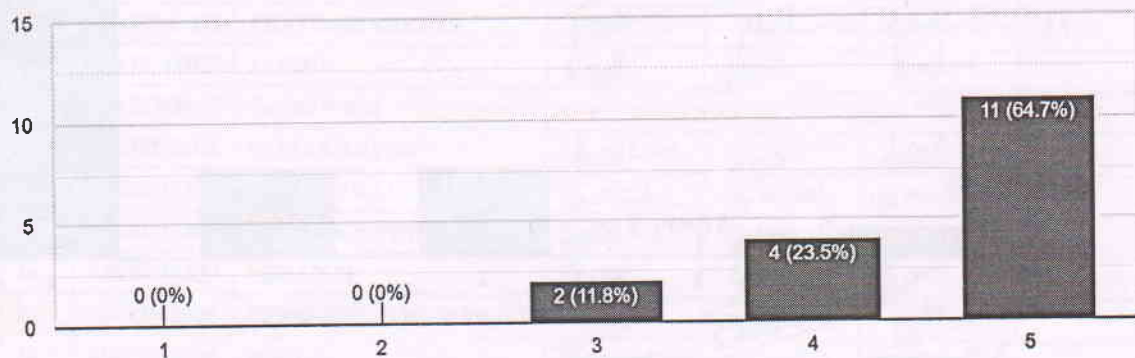
5. The training content was well-structured and easy to follow.

17 responses



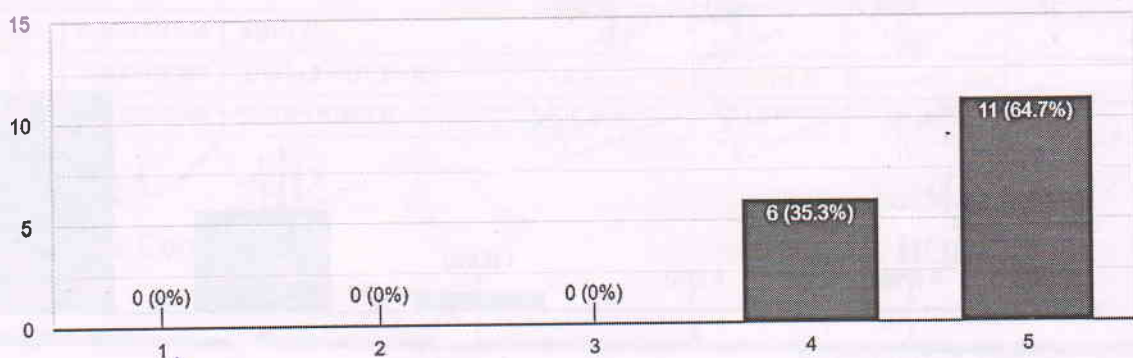
6. The resource person demonstrated good subject knowledge.

17 responses



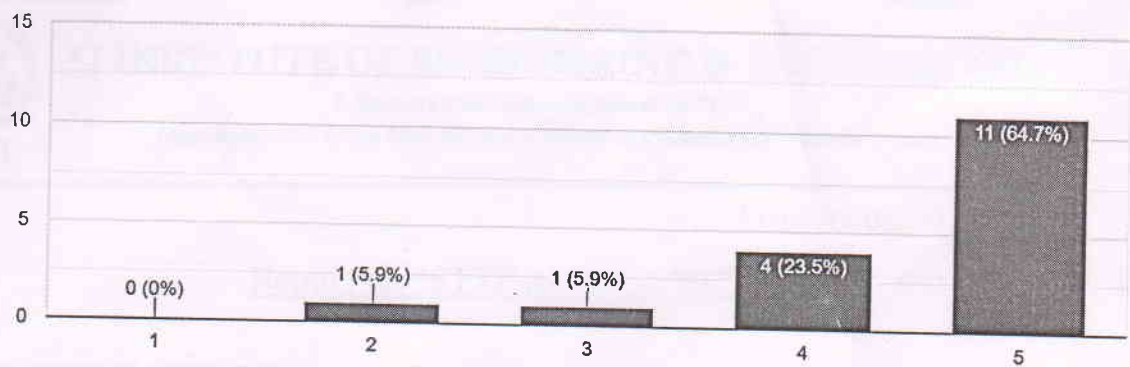
7. The resource person explained concepts clearly and answered queries effectively.

17 responses



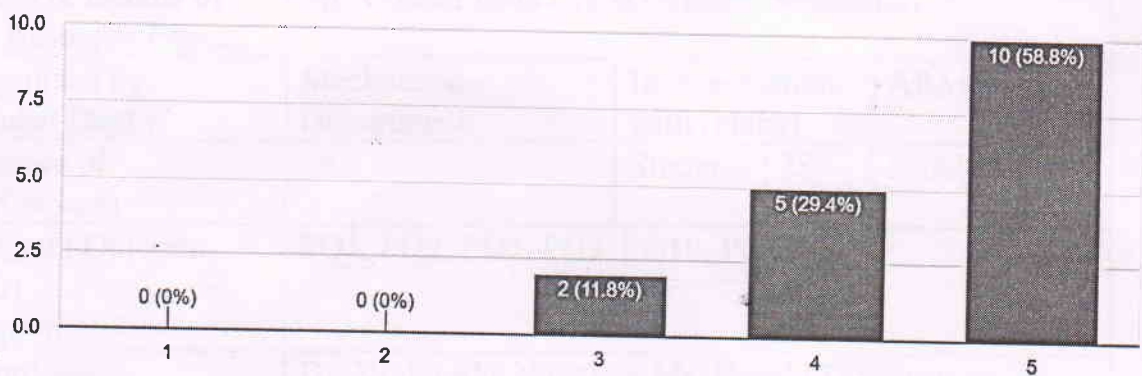
8. The training pace was comfortable and manageable.

17 responses



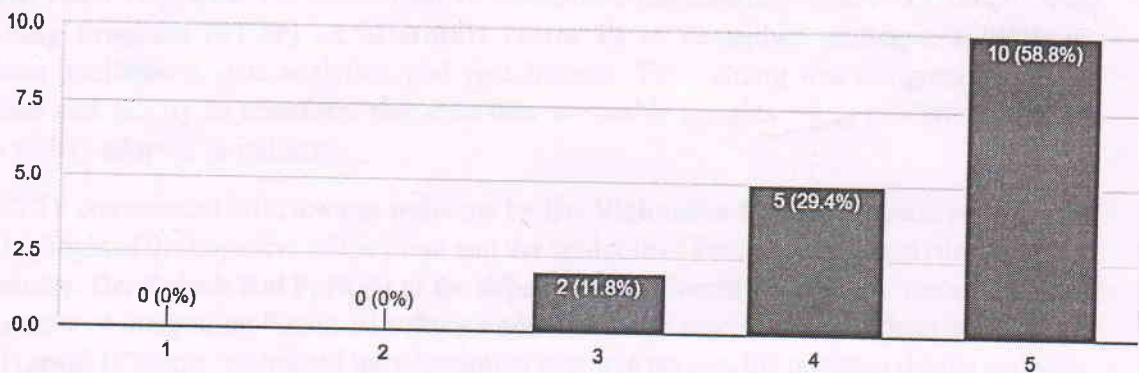
9. Overall, I am satisfied with the STTP on SAP MM.

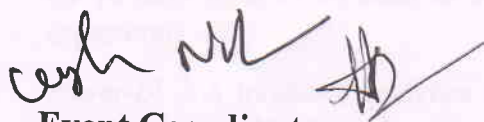
17 responses



10. I would recommend this training to others.

17 responses




Event Coordinator


HOD- ME

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