



# **NARSIMHA REDDY ENGINEERING COLLEGE**

An Autonomous Institution | Affiliated to JNTUH | Approved by AICTE  
Accredited by NBA & NAAC with 'A' Grade

## **Four Days Faculty Readiness Program On**

**“POWER BI - Data Visualization”**

**on**

**03-06-2026 to 06-06-2026**



your roots to success...

**Organized By**

**Department of CSE(AI & ML)**

**NARSIMHA REDDY ENGINEERING COLLEGE  
(Autonomous)**

**HYDERABAD-500100**

<b>Title of The Event</b>	<b>“POWER BI - Data Visualization”</b>
<b>Resource Person</b>	<b>Prof. GVV Prasad</b> HOD-AI&ML
<b>Event Convenor Details</b>	<b>Dr. N. Rajasekhar</b> DEAN- EXTERNAL AFFAIRS, NRCM
<b>Program Type*</b>	FRP
<b>Start Date :</b> <b>End Date :</b> <b>Duration of the activity :</b>	10:00 AM to 03:30 PM
<b>Mode of Session</b>	Offline
<b>Number of Faculty Participants *</b>	09
<b>Objectives of the FRP</b>	<p><b>Objectives of the FRP on “POWER BI - Data Visualization”</b></p> <ul style="list-style-type: none"> <li>• To strengthen the fundamental concepts of data analytics, business intelligence, and data-driven decision-making among faculty members.</li> <li>• To enhance understanding of Power BI components, including Power BI Desktop, Power BI Service, data connectivity, and report publishing.</li> <li>• To develop analytical thinking and data interpretation skills required for transforming raw data into meaningful insights.</li> <li>• To improve proficiency in data preparation, transformation, and modeling using Power Query and Data Modeling techniques.</li> <li>• To provide hands-on experience in creating interactive dashboards, reports, visualizations, and KPI monitoring solutions using Power BI.</li> <li>• To enable faculty members to effectively teach Business Intelligence and Data Analytics concepts through practical demonstrations and real-world datasets.</li> <li>• To enhance knowledge of data visualization principles, dashboard design techniques, and storytelling with data.</li> <li>• To familiarize participants with advanced Power BI features such as DAX (Data Analysis Expressions), calculated columns, measures, and custom visualizations.</li> <li>• To bridge the gap between theoretical concepts and practical implementation through case studies, hands-on exercises, and project-based learning.</li> <li>• To improve faculty confidence in conducting analytics laboratories, guiding student projects, and mentoring data-driven applications.</li> <li>• To encourage innovative teaching methodologies using interactive dashboards, live analytics, and industry-relevant business scenarios.</li> <li>• To promote continuous professional development and</li> </ul>

	<p>technology upgradation in the fields of Business Intelligence and Data Analytics.</p> <ul style="list-style-type: none"> <li>• To prepare faculty members to train students in industry-oriented data analysis, reporting, and decision-support systems.</li> <li>• To create a collaborative learning environment where faculty members share knowledge, experiences, best practices, and innovative applications of Power BI across various domains.</li> </ul>
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<p><b>Outcomes of FRP/ Benefit in terms of learning/Skill/Knowledge obtained</b></p>	<p><b>Outcomes of the FRP on “POWER BI - Data Visualization”</b></p>
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	<ul style="list-style-type: none"> <li>➤ Understand the concepts of Business Intelligence (BI), data analytics, and data-driven decision-making.</li> <li>➤ Import, transform, and manage data from multiple sources using Power BI.</li> <li>➤ Apply data cleaning and preprocessing techniques using Power Query Editor.</li> <li>➤ Design and develop interactive dashboards and reports using Power BI Desktop.</li> <li>➤ Create effective visualizations such as charts, graphs, maps, KPIs, and scorecards for data analysis.</li> <li>➤ Develop data models by establishing relationships among datasets and implementing best practices.</li> <li>➤ Utilize DAX (Data Analysis Expressions) to create calculated columns, measures, and advanced analytics solutions.</li> <li>➤ Analyze business data and derive meaningful insights to support strategic decision-making.</li> <li>➤ Publish, share, and collaborate on reports and dashboards using Power BI Service.</li> <li>➤ Implement real-time and dynamic reporting solutions for organizational and academic applications.</li> <li>➤ Integrate industry-oriented case studies and practical datasets into teaching and learning activities.</li> <li>➤ Conduct hands-on laboratory sessions and guide students in data visualization and analytics projects.</li> <li>➤ Apply innovative pedagogical approaches using interactive dashboards and data storytelling techniques.</li> <li>➤ Enhance professional competency in modern Business Intelligence tools and emerging analytics technologies.</li> <li>➤ Promote a culture of data-driven learning, collaborative knowledge sharing, and continuous skill development among faculty members.</li> </ul>
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**Brief Report:**

A One-week FRP on “**POWER BI - Data Visualization**” was successfully conducted at **NARSIMHA REDDY ENGINEERING COLLEGE (Autonomous)**, Hyderabad on 3<sup>rd</sup> to 6<sup>th</sup> June 2026. The workshop was organized by the CSE(AI&ML) department under the guidance of Dr. N. Rajasekhar.

**1. Introduction**

A Four-Day Faculty Readiness Program (FRP) on “POWER BI – Data Visualization” was successfully conducted at Narsimha Reddy Engineering College (Autonomous), Hyderabad, from 3<sup>rd</sup> to 6<sup>th</sup> June 2026. The workshop was organized by the Department of Computer Science and Engineering (AI & ML) under the guidance of Dr. N. Rajasekhar.

The program was designed to enhance the knowledge and practical skills of faculty members in the field of Business Intelligence (BI), Data Analytics, and Data Visualization using Microsoft Power BI. It aimed to equip participants with modern data analysis techniques and effective visualization strategies for academic and industry-oriented applications.

**2. Program Details**

**Program Title:** Faculty Readiness Program (FRP) on **POWER BI - Data Visualization**

**Duration:** Four Days (from 3<sup>rd</sup> to 6<sup>th</sup> June 2026)

**Resource Person:** Prof. GVV Prasad

**Department:** CSE (AI&ML)

**Venue:** Tech Park

**Participants:** Faculty Members from various departments

**3. Objectives of the Program**

The primary objective of the FRP was to provide faculty members with comprehensive knowledge of data visualization and business intelligence concepts using Power BI. The program focused on developing skills in data collection, transformation, modeling, analysis, and dashboard creation.

**4. Activities Conducted**

During the program, a series of expert lectures, demonstrations, hands-on sessions, case studies, and practical exercises were conducted. Faculty members actively participated in dashboard development activities and data analysis exercises.

The sessions covered:

- Introduction to Business Intelligence and Power BI
- Data Importing and Data Transformation using Power Query
- Data Modeling and Relationship Management
- Creating Interactive Reports and Dashboards
- Data Visualization Techniques and Best Practices
- DAX Fundamentals and Advanced Calculations
- KPI Development and Business Analytics
- Dashboard Publishing and Sharing through Power BI Service
- Real-Time Industry Use Cases and Case Studies
- Data Storytelling and Decision-Making using Visual Analytics

## **5. Outcomes of the Program**

The FRP enabled participants to

- Gain a strong understanding of Business Intelligence and Data Visualization concepts.
- Develop interactive and insightful dashboards using Power BI.
- Perform data transformation, cleaning, and modeling efficiently.
- Create advanced reports using DAX calculations and KPIs.
- Analyze datasets and derive meaningful insights for decision-making.
- Integrate real-world data analytics examples into classroom teaching.
- Improve confidence in handling analytics laboratories and student projects.
- Adopt innovative and industry-relevant teaching methodologies.

## **6. Participant Performance**

The participants demonstrated excellent enthusiasm, dedication, and active involvement throughout the program. Hands-on assignments, dashboard development exercises, and practical assessments enabled faculty members to evaluate and strengthen their analytical and visualization skills.

Faculty members successfully developed interactive dashboards and demonstrated their understanding of data analytics concepts through practical implementations. The top performers were recognized for their outstanding performance, while all participants were appreciated for their active participation and commitment to continuous learning.

## **7. Conclusion**

The Faculty Readiness Program on “**POWER BI – Data Visualization**” was successfully completed with enthusiastic participation and positive feedback from faculty members. The program served as an effective platform for enhancing knowledge in Business Intelligence, Data Analytics, and Data Visualization while promoting innovative teaching and learning practices.

The FRP concluded with a valedictory session, during which gratitude was expressed to the management, organizing committee, coordinators, resource person, and all participants for their valuable support and cooperation. The program significantly contributed to the professional development of faculty members and strengthened their ability to incorporate modern analytics tools into teaching, research, and academic projects.

# Poster/ Brochure of the Event



## NARSIMHA REDDY ENGINEERING COLLEGE

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Admissions Open 2026-27  
www.nrcmec.org

For Admissions : 9951688777

Faculty Readiness Program

### CSE (AI & ML)

COURSE TITLE

## Power - BI

03.06.2026 → 06.06.2026

4 Days

Four Days Programme

Daily Timing : 10:00 AM - 03:30 PM

Programme Type : Four Days Programme

COURSE COORDINATOR

## Prof. GVV Prasad

Assistant Professor



HOD, Department of CSE (AI & ML)

Presenting

A Faculty Readiness Programme on

**Power BI**



VENUE

IT PARK

CSE (AI & ML)

4 Days

03.06.2026 — 06.06.2026

10:00 AM to 03:30 PM

#### About NRCM

##### Autonomous Institution

JNTUH Affiliated | AICTE Approved

##### NBA & NAAC Accredited

With 'A' Grade — Quality Assured

##### Established 2007

20+ Years of Academic Excellence

##### Maisammaguda (V), Kompally

Secunderabad - 500100, Telangana



For Admissions

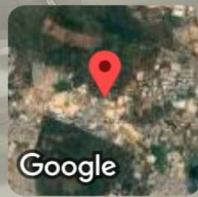
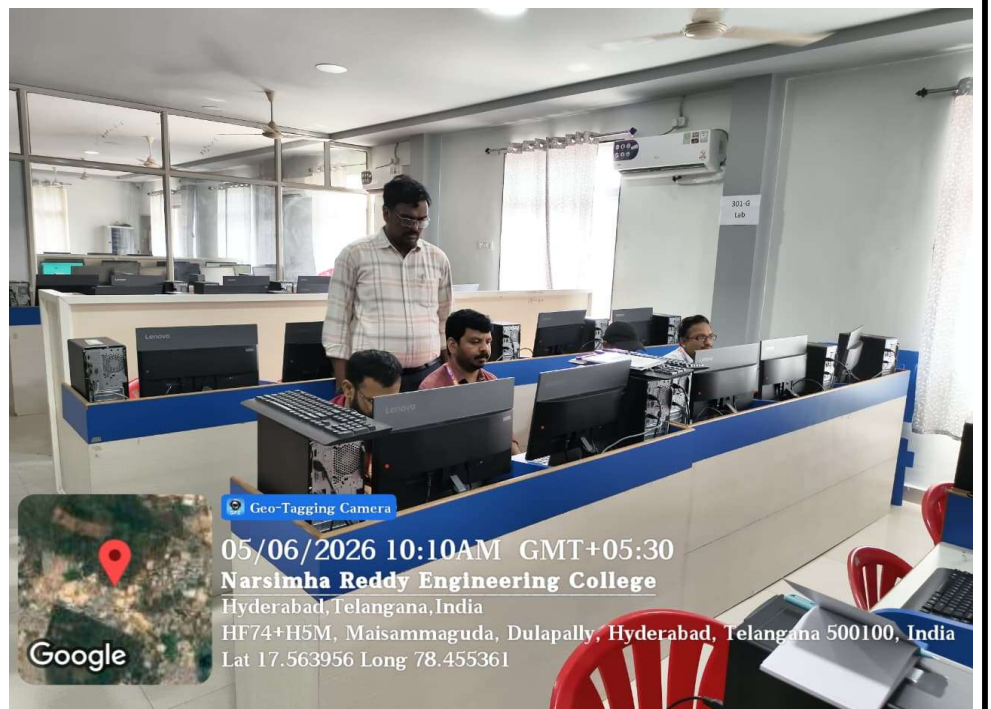
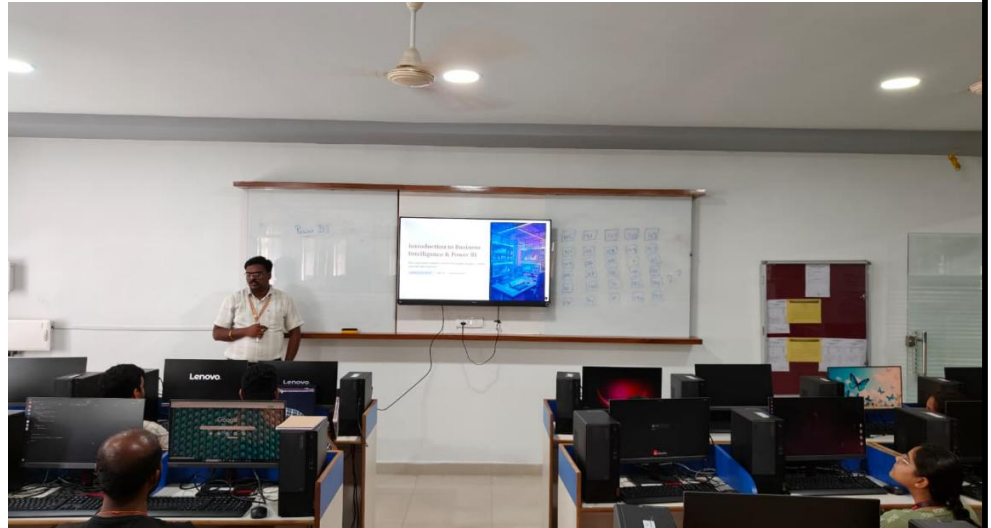
+91 9951688777

Maisammaguda (V), Kompally,  
Secunderabad - 500100,  
Telangana, India.

Website


www.nrcmec.org  
admissions@nrcmec.org

Event Photographs



05/06/2026 10:10AM GMT+05:30  
**Narsimha Reddy Engineering College**  
Hyderabad, Telangana, India  
HF74+H5M, Maisammaguda, Dulapally, Hyderabad, Telangana 500100, India  
Lat 17.563956 Long 78.455361


Grand Test Result & Valedictory Session



**NRCM**  
your roots to success...  
Estd. 2007

## FACULTY READINESS PROGRAM (FRP) ON POWER BI

# GRAND TEST RESULT




Power BI

★ Max Score: 120 ★

★ Congratulations to All Participants! ★

RESOURCE PERSON



Prof. GVV Prasad  
HOD - CSE (AIML)

RANK	FACULTY NAME	SCORE (OUT OF 120)	PERCENTAGE	GRADE
1	Prasanjit Singh	114/120	95%	A+
2	T Rupa Rani	113/120	94%	A+
3	Ramala Ashok	112/120	93%	A+
4	Dr. Manne Venu	110/120	91.67%	A+
5	P Sunanda	106/120	88.33%	A
6	M Gopal	104/120	86.67%	A
7	Jeevitha Kottha	101/120	84.17%	A
8	D Sravan	98/120	81.67%	A
9	D Namratha	95/120	79.17%	A

**TOTAL PARTICIPANTS**

9

**HIGHEST SCORE**

114/120  
(95%)

**AVERAGE SCORE**

105.9/120


**AVERAGE PERCENTAGE**

88.24%

**A+ ACHIEVERS**

4  
(44.44% of 9)

GRADE DISTRIBUTION



TOTAL PARTICIPANTS: 9

TOP PERFORMERS

<p>1 Prasanjit Singh 114/120 95%</p>	<p>2 T Rupa Rani 113/120 94%</p>	<p>3 Ramala Ashok 112/120 93%</p>
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OTHERS PERFORMANCE

4 Dr. Manne Venu	110/120	91.67%	A+
5 P Sunanda	106/120	88.33%	A
6 M Gopal	104/120	86.67%	A
7 Jeevitha Kottha	101/120	84.17%	A
8 D Sravan	98/120	81.67%	A
9 D Namratha	95/120	79.17%	A

KEY HIGHLIGHTS

- 4 Participants Scored A+ (90% and above)
- Highest Score: 114/120 (95%)
- Strong Performance in Conceptual Understanding of Power BI
- Consistent Effort Leads to Excellent Results

CONCLUSION

The grand test results demonstrate a strong grasp of Power BI concepts by the participating faculty members. Several participants achieved excellent scores, with the highest score reaching 95% (114/120). The results reflect the effectiveness of the Faculty Readiness Program and the commitment of the faculty members toward enhancing their Power BI skills. This strong performance provides a solid foundation for the upcoming advanced sessions.

★ Congratulations to all participants for their excellent performance and dedication to continuous learning and academic excellence! ★

**GRADE SCALE**

A+ 90% - 100% (Outstanding)	A 75% - 89% (Very Good)	B 60% - 74% (Good)	C Below 60% (Needs Improvement)
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\*\*\*\*\*~End of the Report~\*\*\*\*\*