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COLLEGE OF ENGINEERING
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“PEPWALK: Roadmap to become a successful Data Engineer”

by Mrs. Soumya Murthy

Date: 12th June 2021

Time: 12:00 PM to 2:00 PM

Mode: Online (Webinar)

Total Number of Participants: 61

The event began with a brief introduction about the speaker, Mrs. Soumya Murthy.

Mrs. Soumya Murthy is a pragmatic engineering leader with over a decades' experience in leading teams to architect and build large-scale, innovative solutions in the web and commerce domains. She is currently working as a Senior Engineer Manager, Data Engineer with over 15 years of experience in the IT field and has worked in major companies like Motorola, Yahoo, Reliance Jio, Reliance industries, LogMeIn, and now Target.

The event started with an opening question by the speaker, “How many of you want to be successful engineers?”. In response, all the students said, “Yes”. In continuation, ma'am showed a picture of a skyscraper and told that just like how a strong foundation is important for a skyscraper to stand strong, similarly, a strong foundation is important for every student to become a successful engineer.

On that note, ma'am gave some quick tips on building a strong foundation in technical subjects. She also shared some ideas with the participants on how to keep up the pace with technology.

Later on, she started summarizing the soft skills required in the corporate industry. She also mentioned that these skills are required but not enough. With that, she continued explaining the use of strategic skills using picture references of 'Eat that Frog', 'Being Shameless', 'Get Stuff Done', and 'The Amazing Spider-Girl'.

The session continued with an introduction to Data Engineering, evolution in technology, and evolution in role. After this, the speaker differentiated between the roles of a Data Analyst, a Data Engineer, and a Data Scientist. While distinguishing she also gave tips on how to prepare for each of these roles as a student. In conclusion, the speaker explained elaborately the different roles in Data Science with a detailed diagram.

The session ended with a Q&A session during which many students asked interesting questions. The speaker answered every question, thus adding more imperative points to the topic.

Overall, it was an incredible session with Mrs. Soumya Murthy, who inspired every participant to become a successful engineer.

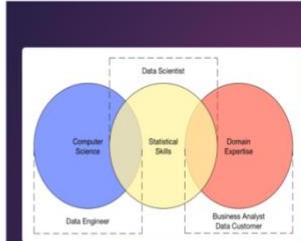
In the end, the participants shared their feedback and received their certificates.

The screenshot displays a Zoom meeting interface. At the top, there is a grid of 13 video thumbnails, most of which are muted (indicated by a red 'X' over the thumbnail). Below the grid is a presentation slide titled "Agenda" with a purple header. The slide content includes:

- ▶ Essentials of being a Good Engineer
- ▶ Soft skills for the world around us
- ▶ Data Engineering – History, Current trends
- ▶ Skills for a Data Engineering

Below the list, it says "Explained through my personal stories

At the bottom of the screen, there is a control bar with a green status bar on the left that says "IEEE NHCE is presenting". The control bar includes icons for Mic, Camera, Screen, and Leave.



Data Analyst	Data Engineer	Data Scientist
Data Warehousing	Data Warehousing & ETL	Statistical & Analytical skills
Adobe & Google Analytics	Advanced programming knowledge	Data Mining
Programming knowledge	Hadoop-based Analytics	Machine Learning & Deep learning principles
Scripting & Statistical skills	In-depth knowledge of SQL/database	In-depth programming knowledge (SAS/R/ Python coding)
Reporting & data visualization	Data architecture & pipelining	Hadoop-based analytics
SQL database knowledge	Machine learning concept knowledge	Data optimization
Spread Sheet knowledge	Scripting, reporting & data visualization	Decision making and soft skills

Associated roles

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