Micron Problem Statement

1. About Micron

Micron Technology, Inc. is an American producer of computer memory and computer data storage including dynamic random-access memory, flash memory, and USB flash drives. It is headquartered in Boise, Idaho. Its consumer products are marketed under the brands Crucial and Ballistix. Micron and Intel together created IM Flash Technologies, which produces NAND flash memory. It owned Lexar between 2006 and 2017.

2. Statement

Smart manufacturing promises to provide significant increases in productivity and effectiveness of manufacturing systems by better extracting meaningful information from the data generated during the process. This is a very broad problem, you are free to choose any dataset related to manufacturing, data generated during the product pipeline (things like resources used, revenue made, etc), or specific datasets(like location based data of a company and its sales around the globe).

We are looking for highly creative solutions using information retrieval techniques to help gain interesting insights into this data. One important

attribute for any idea should be the scalability aspect and should focus on how the data would be stored and retrieved for very large datasets.

3. FAQs

1. Will there be Mentors to guide during the hackathon?

   Yes, company officials will be there to help throughout megathon.

2. Will the training dataset be provided ?

   No, you are expected to find (or synthesise) data sets from your end. Apart from using abstract/full text of research papers, other technical resources can also be used.

3. Will you provide additional computing power (external GPUs, Server access, etc)?

   No you are expected to bring and work on your own computers only. No additional computing resources will be provided from our end.

4. Submission Format

- Presentation conveying your core idea
- Analysis of your idea's performance
- Code / Github repository link