

INSTITUTE OF TECHNOLOGY & MANAGEMENT, ALIGARH

DATA ANALYTICS (KIT-601)

B.Tech. (IT) Third Year (6th Semester)

Session: 2023-24

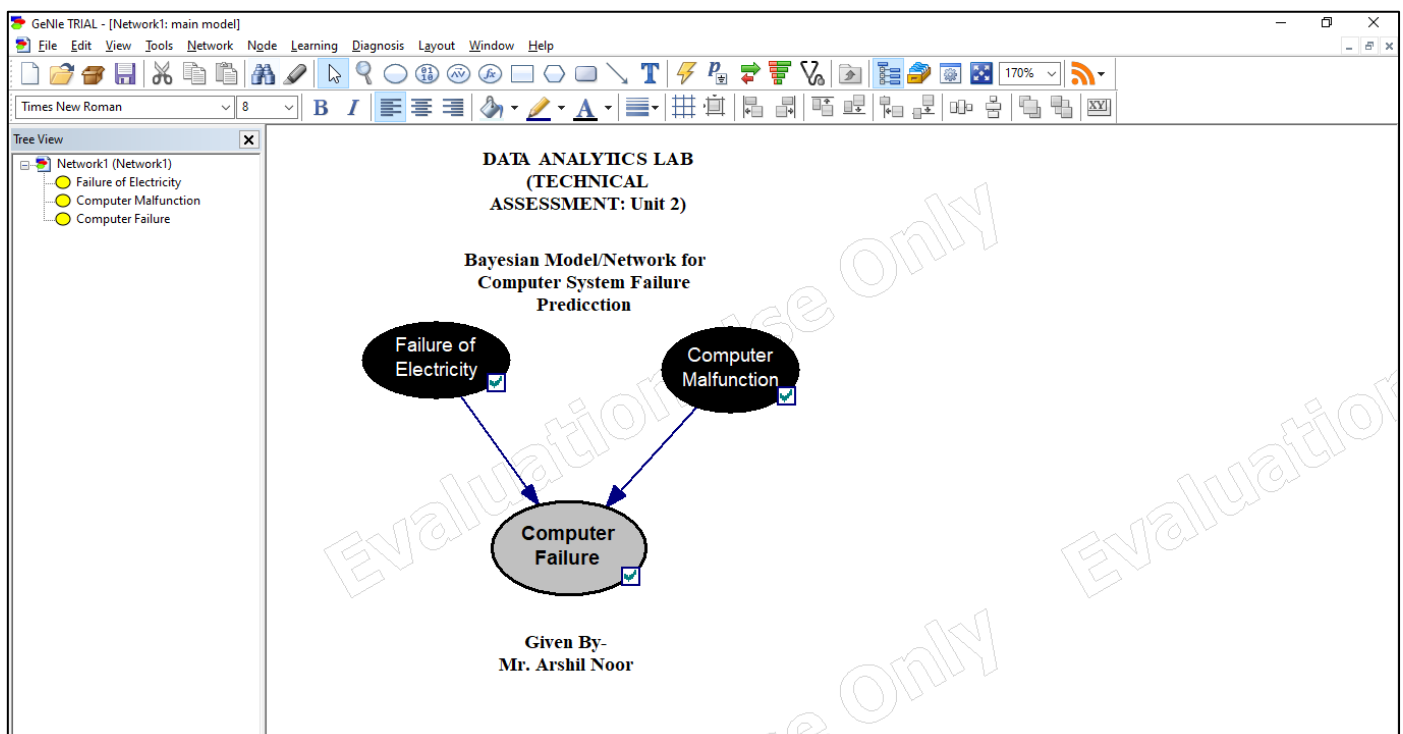
TECHNICAL ASSESMENT 2 - INSTRUCTIONS & TIPS

Dated: 12/04/2024

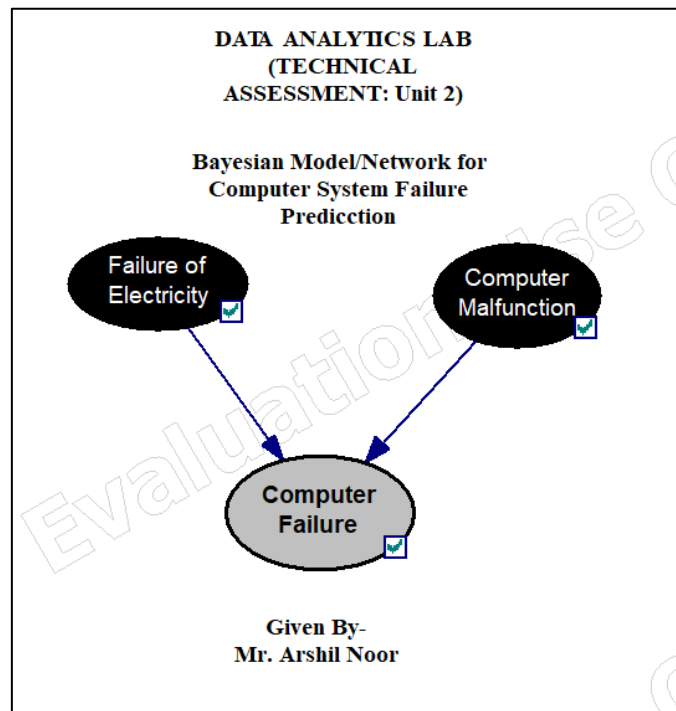
Last Submission Date: 20/04/2024

OBJECTIVE: To create a Bayesian Network Model for Predicting if the Computer Failure occurs or not based on some Variables

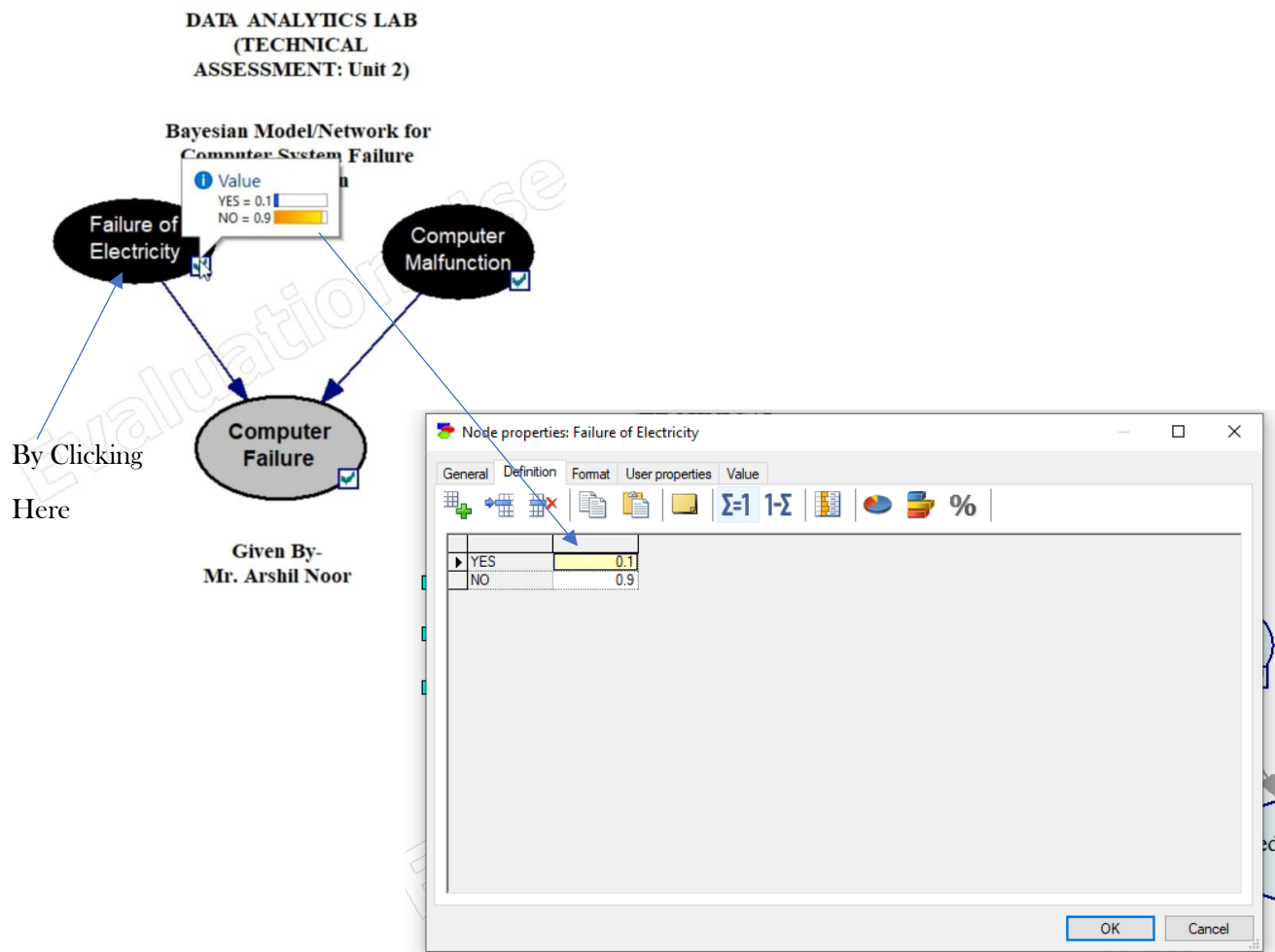
- **Input Variables for the Model:**
 - Failure of Electricity
 - Computer Malfunction
- **Outcome Variable for the Prediction:**
 - Computer Failure
- We can create this Predictive Network Model from the Software: **GeNIe Modeler**
(Download Link: <https://www.bayesfusion.com/downloads/>)
- **Model Display:**



- Model Flow Diagram using Directed Acyclic Graph:



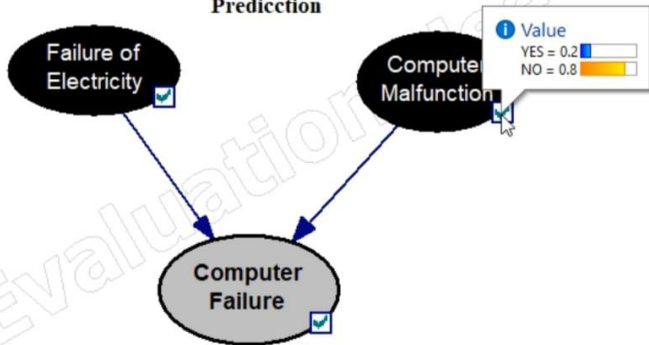
- By providing the certain values in Input Variables in the **Condition Table** of the Nodes:



- We provide conditions to the **Input Variable Nodes**:

**DATA ANALYTICS LAB
(TECHNICAL
ASSESSMENT: Unit 2)**

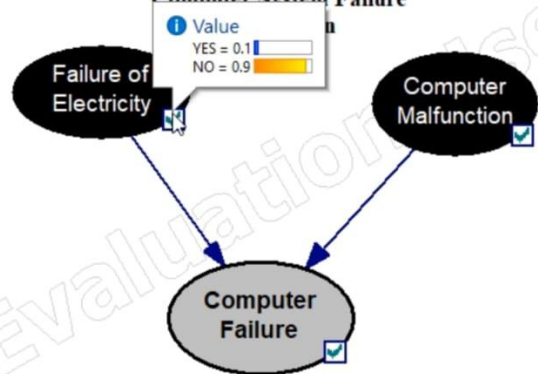
**Bayesian Model/Network for
Computer System Failure
Prediction**



Given By-
Mr. Arshil Noor

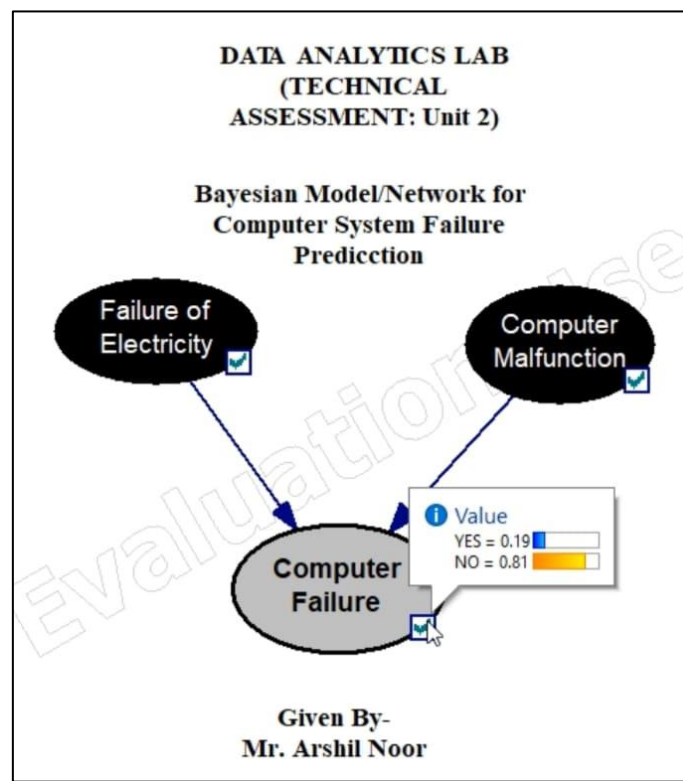
**DATA ANALYTICS LAB
(TECHNICAL
ASSESSMENT: Unit 2)**

**Bayesian Model/Network for
Computer System Failure**



Given By-
Mr. Arshil Noor

- The Model will provide certain **Outcomes/Predictions** as a **Result**:



Given By-
Mr. Arshil Noor