

**DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING**

**ACADEMIC YEAR: 2022-2023(Even) – TECHNICAL SEMINAR FORM**

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| **Sno.** | **USN** | **Name** | **Details** | |
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| Internship Details | |
| Technical Seminar Title:  Paper quality enhancement and model predictions using Machine Learning techniques. | |
| Description on abstract:  A machine learning approach demonstrated in the proposed study predicts the parameters involved in paper quality enhancement in real time.  The training and testing data sets were obtained to develop several machine learning models through several data from the parameters of the paper-making process.  The inputs considered were moisture, weight, and grammage.  Modeling was carried out based on model interpretation and cross-validation results, showing that the developed model could be a more useful tool in predicting the performance of the steam pressure and input parameters in the paper-making process.  Machine learning is also used to predict the efficiency of steam pressure reduction. | |
| Name of the Journal & Year  (The paper is taken from) | Elsevier  2023 paper |
| Status by Guide  (Accepted/Rejected) |  |

Guide has to verify the Title, Base Paper, PPT and Report of the Technical Seminar.

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| **Sno.** | **Date** | **Interaction Details** |
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Student Signature:

Guide Name and Signature:

Technical Seminar Coordinator Signature: