An Internship Report

on

**Process Mining Virtual Internship**

Submitted in partial fulfilment of the requirements

for the award of the degree of

**BACHELOR OF TECHNOLOGY**

in

**Computer Science and Engineering (Data Science)**

by

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING (DATA SCIENCE)**

**SRINIVASARAMANUJAN INSTITUTE OF TECHNOLOGY**

**(AUTONOMOUS)**

**(Affiliated to JNTUA, accredited by NAAC with ‘A’ Grade, Approved by AICTE, New Delhi & Accredited by NBA (EEE, ECE&CSE))**

**Rotarypuram village, BKSamudram Mandal, Ananthapuramu-515701.**

**2023–2024**

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**Certificate**

This is to certify that the internship report entitled “Process Mining Virtual Internship” is the bonafide work carried out by **S.Kawser Naaz**bearing Roll Number 214G1A3236 in partial fulfilment of the requirements for the award of the degree of **Bachelor of Technology** in **Computer Science and Engineering (Data Science)** for four months from May 2023 to July 2023.

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Date:

Place: Ananthapuramu **EXTERNAL EXAMINER**

**PREFACE**

Celonis is actually a German software company, but it is strongly internationalised, with headquarters in Munich and New York.Founded in 1811 by three university students, Celonis market leading platform (Gartner, 1819) has helped companies achieve process excellence by removing operational friction points with its Intelligent Business Cloud platform.

Celonis has developed software that does process mining. Process mining is a technology that allows processes to be analyzed based on data. Processes such as deliveries, productions, or even orders can be recorded and evaluated. The aim behind this is to uncover inefficiencies and uncover potential areas for improvement. Especially in huge companies with cross-departmental processes, it is almost impossible to know, let alone understand, the entire process at a certain point.

Celonis software is called an "Execution Management System". In concrete terms, this means that digital processes are automatically recorded and mapped. This is to create a completely objective and data-driven picture of the company's internal processes. The data for this is usually already available in software such as SAP.

Celonis offers a comprehensive suite of tools that enable businesses to: Discover processes, Diagnose Issues, Optimize Performance, Monitor in Real-Time, Predict and Simulate.

"Process mining delivers insights that enable faster, smarter decisions and stronger performance on an organization’s most critical priorities."



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**S.Kawser Naaz**

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**LIST OF ABBREVIATIONS**

AICTE All India Council for Technical Education

KPI Key Performance Indicators

EMS Execution Management System

PQL Process Query Language

PU Pull-Up Functions