

Rane (Madras) Limited



Ref: RML/HR/2021-22

27.11.2021

The Head of the Department
Sri Venkateshwaraa College of Engineering & technology,
Puducherry.

Dear Sir / Madam,

Sub: Project Confirmation – Reg.

Ref.: Your permission request letter dated 22.11.2021.

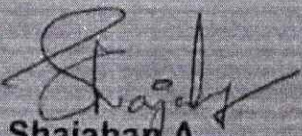
Hereby, we confirm below listed Final year B. Tech (Electronics & Communication Engineering) student of your institution to undergo the Industrial Project work in our organization from November 2021 to February 2022.

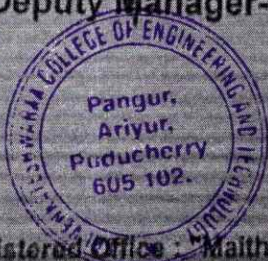
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|-----------------------|------------------|
| 1. Ms. K. Suvedha | Reg.No. 18TC1137 |
| 2. Ms. S. Sharmila | Reg.No. 18TC1131 |
| 3. Mr. G. Prabhakaran | Reg.No. 18TC1123 |

The student is strictly advised to follow the rules and regulations of the company and the data collected from the company shall be kept confidential.

Thanking you,

For Rane (Madras) Limited,


Shajahan A
Deputy Manager-HR




PRINCIPAL

SRI VENKATESHWARA COLLEGE OF
ENGINEERING & TECHNOLOGY
ARIYUR, PUDUCHERRY - 605 102.

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
SRI VENKATESHWARAA COLLEGE OF ENGINEERING & TECHNOLOGY

PONDICHERRY UNIVERSITY

(AFFILIATED TO PONDICHERRY UNIVERSITY)

BONAFIDE CERTIFICATE

This is to certify that the project work entitled "DIE LIFE MONITORING SYSTEM" is a Bonafide work done by G.PRABHAKARAN (18TC1123), S.SHARMILA (18TC1131) and K.SUVETHA (18TC1137) in partial fulfillment of the requirement for the award of B.Tech Degree in ELECTRONICS AND COMMUNICATION ENGINEERING by Pondicherry University during the academic year 2021-2022.



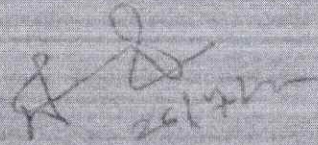
PROJECT GUIDE

(Dr.G.Amuthavalli, M.Tech, Ph.D.,)

Associate Professor

Electronics and Communication

Engineering



HEAD OF THE DEPARTMENT

(Dr. V. NAGARAJ, M. Tech, Ph.D.,)

Associate Professor

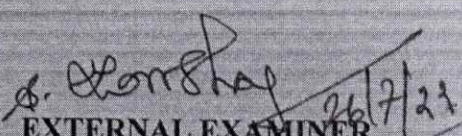
Electronics and Communication

Engineering

Viva-Voce Examination held on 26.7.2022



INTERNAL EXAMINER



EXTERNAL EXAMINER

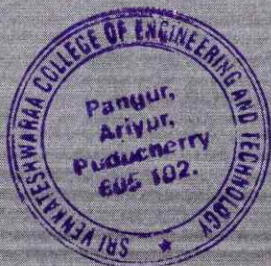
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ABSTRACT

At the beginning of my internship, We attended a training on die engineering in order to understand the internal die development process, including die feasibility, die process, die design, die simulation, milling path design, machining assembly. Additional knowledge of project management and validation method have been acquired. After the training period, real time problem in machine assembly was identified and worked on it to provide a better solution.

The real – scenario of manual monitoring of die life cycle was tedious and error – proved. The problem has been addressed by the replaing the manual monitoring system by our proposed “die life monitoring system”, in which the number of number of cycles in the life cycle of each die is monitored automatically with the help of PLC ladder programming. The barcode system, sensor, buzzers and monitoring panel are the parts of the proposed system.

The proposed system was successfully implemented in the auto spare assembly unit of Rane madras private limited and the problems such as missed count, mistake in final count, wrong entry faced by the unit was completely removed with zero – errors.



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ARIYUR, PUDUCHERRY - 605 102.