

ANNAI J.K.K.SAMPOORANIAMMAL POLYTECHNIC COLLEGE

T.N.PALAYAM, GOBI(TK), ERODE(DT) - 638506

STAFF PROFILE

1. PERSONAL DETAILS

NAME : D.GAYATHRI
FATHER'S NAME : A.V.DURAIRAJ
DATE OF BIRTH : 13.05.1996
SEX : FEMALE
NATIONALITY : INDIAN
BLOOD GROUP : A1+
MARITAL STATUS : UNMARRIED
LANGUAGES : TAMIL, ENGLISH
EXPERIENCE : TWO YEAR/EIGHT MONTH
ADDRESS : 135,SUBBANAN STREET,METTUVALAVU,GOBICHETTIPALAYAM-638 476.

2. EDUCATIONAL QUALIFICATIONS:

DEGREE / COURSE	INSTITUTION	UNIVERSITY	YEAR OF PASSING
UG	KARPAGAM INSTITUTE OF TECHNOLOGY	ANNA UNIVERSITY	2017

3. TECHNICAL SKILLS:

1. *ELECTRICAL CAD*
2. PROGRAMMABLE LOGIC CIRCUITS (Siemens & step-7)
3. SCADA
4. SIMULINK

4. PROJECT EXPERIENCES:

PROJECT NAME: CONDITION MONITORING OF BUCKET WHEEL MOTOR BY USING SCADA.

DURATION: 6 Months

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TEAM SIZE: 04

ENVIRONMENT: NEYVELI LIGNITE CORPORATION (NLC)
RESPONSIBILITIES: PROJECT TEAM HEAD

PROJECT DESCRIPTION:

To avoid the failure of this motor, various protections are provided in the existing system, except the vibration and temperature monitoring system. These two parameters are considered the best operating parameter to judge dynamic condition of motors. In This project the vibration and temperature Condition of Bucket wheel Motor is measured and displayed using MICROCONTROLLER and SCADA. Where proper sensor and microcontroller is used to measure and transmit the parameter to SCADA software to display the values in picturization. If the measured value exceeds the normal value warning alarms will get on. The Data exchange takes place between CONTROLLER and SCADA through MODBUS protocol.

5. AREA OF INTEREST:

1. POWER SYSTEM
2. CONTROL SYSTEM

6. EXTRA & CO-CURRICULAR ACTIVITY:

1. NCC Coordinator In Our College
2. ATTENDED AN INTERNATIONAL CONFERENCE ON ENGINEERING AND TECHNOLOGY(ICET'16) AT KARPAGAM COLLEGE OF ENGINEERING.

7. PRESENTATIONS:

- PRESENTED A PAPER TITLED **PREPAID ENERGY METER BILLING USING SMART CADR** AT KARPAGAM UNIVERSITY, COIMBATORE.
- PRESENTED A PAPER TITLED **DESIGN OF AUTOMATIC STREET LIGHT CONTROLLER** IN INTER COLLEGE TECHNICAL SYMPOSIUM AT KARPAGAM ENGINEERING COLLEGE, COIMBATORE.
- PRESENTED A PAPER ENTITLED **NEURAL NETWORKS AND FUZZY LOGIC** AT HINDUSTAN ENGINEERING COLLEGE, COIMBATORE.
- PRESENTED A PAPER ABOUT **RENEWABLE ENERGY BASED REFRIGERATION SYSTEM** AT SVS COLLEGE OF ENGINEERING.