REPORT

ON THE JOB TRAINING CENTER FOR VOCATIONAL SCHOOL STUDENTS

ABOUT OJT

On-the-Job Training (OJT) and Integration of Knowledge and Skills During the transaction of the vocational courses, a continuous integration of knowledge and skills take place in the schools. It, however, needs to be augmented through On-the-Job Training (OJT) and project work.

In order to be enriched with practical experience, the students are taken to an engineering service centre/Institution or manufacturing centre or production unit to work in a real life situation under the guidance of an expert practitioner. There must be a provision for On-the-Job Training (OJT) for certain number of hours for every vocational course. The students may be evaluated jointly by the teacher and the expert practitioner. Students are to be given project work to be done individually or in small groups. It will help them consolidate their learning, learn to communicate, and achieve the time target.

MAJOR LABS FOR OJT

The successful completion of one batch of OJT, 3 Faculty members and 2 technical staff and 10 students coordinators from concerned departments

1. Survey lab (contour mapping, total station, theodolite survey, cross sectioning etc.)

2. Quantity surveying and estimation

3. Cad lab & concrete lab

4. Strength of materials lab

5. Geo technical lab

6. Environmental lab

7. Transportation lab

Since 2016 BMCE provide Training for following schools

1. SNGDVHSS KUZHIKALIDAVKA, PUTHOOR.

2. ST.GEORGE VHSS CHOWALLOR.

3. KRKPMHS KADAMPANADU

4. DR.C.T.EAPEN MEMORIAL ST.THOMAS, VOCATIONAL, ADOOR

5 .EVHSS ELAMMANOOR.

5. KNNM VOCATIONAL HIGHER SECONDARY SCHOOL IN PAVITHRESWARAM, KOTTARAKKARA

OJT PHOTOGRAPHS

Students and teachers are practicing surveying, total 25 students were undergone the training successfully

OJT technical class room classes conducted based on building construction and technologies


Baselios Mathews II College of Engineering
DEPARTMENT OF CIVIL ENGINEERING
" On The Job Training Program "
FOR VOCATIONAL SCHOOL STUDENTS
Thank you BMCE By SNGDVHSS Kuzhikkalidavaka, Puthoor


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Certificate distribution by College principal


AS part of survey lab students are measuirng the land by using theodolite insturment.

BASELIOS MATHEWS II COLLEGE OF ENGINEERING
DEPARTMENT OF CIVIL ENGINEERING
JOB TRAINING PROGRAMME (OJT)

SYLLABUS

TRAINING OBJECTIVES:

1. To provide the students an overview of the profession of Civil Engineering.
2. To give the students an illustration of the use and properties of various building materials and explain the building construction aspects.
3. To give the students an idea about the material testing and method of testing.
4. To provide the fundamentals of computer aided design

EXPECTED OUTCOME:

1. Students will be able to explain the importance of Civil Engineering in the infrastructural development of the society.
2. They will be able to illustrate the types, uses and properties of various building materials.
3. Students will be able to explain the different types of testing and methods used for testing
4. Students will be able to explain the different types apparatus used for material testing

ORIENTATION CLASS: (INTRODUTION TO CIVIL ENGINEERING)

- Civil Engineering as a profession; General introduction to history of Civil Engineering; types and classification of buildings; Building materials - Stones, Bricks, Tiles, Cement, Aggregate, Cement mortar,

LIST OF LAB CONDUCTING:

1. SURVEY LAB

2. CONCRETE TECHNOLOGY

3. CAD LAB

4. STRENGTH OF MATERIALS LAB

5. GEO TECHNICAL LAB

6. ENVIRONMENTAL LAB

7. TRANSPORTATION LAB

STUDY OF EXPERIMENTS:

SURVEY LAB:

FUDAMENTALS OF SURVEYING- LEVELLING – THEODOLITE SURVEY-TOTAL STATION – CONTOR MAPPING.

CONCRETE TECHNOLOGY:

TESTING OF CEMENT – FINENESS- CONSISITENCY- PREPARATION OF CONCRETE-WORKABILITY.PARTICLE SIZE DISTRIBUTION.

CAD LAB:

FUNDAMENTALS OF CAD DRAWING, FEATURES OF TOOLS, BASIC DRAWING.

STRENGTH OF MATERIALS LAB:

BASIC FEATURES OF IMPACT TESTING, UTM, PROPERTIES OF STEEL- COMPRESSION TEST.

GEO TECHNICAL LAB:

SOIL STABILIZATION BEARING CAPACITY OF SOIL, SHEAR TESTING, PERMEABILITY OF SOIL.

ENVIRONMENTAL LAB:

PH VALUE, CHLORINATION, EDTA, WATER QUALITY ANANLYSIS

TRANSPORTATION LAB:

AGGREGATE TESTING – ABRASION, COMPRESSION, HARDNESS,

PREPARED BY

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