



Civil Newsfeed

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VISION

Build professionals & entrepreneurial skills to lead socio-economic domains.

MISSION

- 1.Practice sustainable environment to meet professional challenges with ethics.
- 2.Mentor students for innovative thinking with relevance to civilization.
- 3.Interact consistently with the industries to work on problems.
- 4.Endeavour for excellence in all facets of civil Engineering.

From the Desk of the Head of the Department



It gives me immense pleasure to lead the department of Civil . The primary focus of the department is to empower our students with overall development. We, the Team – Civil are working with the following objectives:

- To nurture the students with multi-dimensional skill sets.
- Each student is focused through a Mentor – Mentee Scheme where students are emphasized for good academics, placements and participation in co-curricular activities.
- The faculty members are encouraged to publish research papers in reputed journals, participate in Faculty Development Program and workshop through a well-supported system.

Practical Training of Soil Test for KMC Associates Site Engineers

On 15 October ,The KMC Associates needs a practical training Site Engineers to improve their knowledge over the earthwork and make them to study the tests conducted over the soil. This study will help them how to study a report given by the consultant and make them to take a clear decision.

For that they submitted a letter to our College Principal Dr.C.Mathalai Sundaram as a Request. This request is accepted by the principal sir and forwarded to the Civil Department.

This technical session is handled by Mr.N.Nagarathinam M.E., Mrs.G.SugilaDevi M.E., (Ph.D),Mr.K.Kirubakaran M.E., and Ms.M.Sindhu M.E., of Civil department .The team

make a demonstration session for the KMC Associates.

Soil tests which are performed during this event and their explanation. Sieve analysis to know the grain size and grading of the soil according to their size. This test also helps us to investigate the fineness of the soil .

This make us to study the category of soil which we can use in the railway embankment and also refill soil. When the report of the soil have high silt content then it is not suitable for the refill and embankment. More coarse is also not possible.

Plastic limit and liquid Limit of the soil is used to find the stage at which the soil erosion and liquefaction will take place. When the backfill soil have

more silt or Cohesive Soil content it may undergo the



Mr.N.Nagarathinam&Mrs.Sugiladevi explained to the KMC associates participants (15/10/2020)

above mentioned problems. The soil with these content should be avoided for the usage of backfill. For some unavoidable situation, The site have these soils will
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The Hindu Melapettai
Nadargal Uravinmurai

**NADAR SARASWATHI
COLLEGE OF ENGINEERING
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Department of Civil Engineering

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Photograph of Civil staffs &KMC participants in practical training (15/10/2020)

Practical Training of Soil Test for KMC Associates Site Engineers Continues

undergo the problem rectified by soil treatment or soil replacement.

Field Density Test is carried over to determine the density of the soil in the field condition. If the density of the soil is low then compaction is given to backfill to reduce the depletion caused by precipitation.

Procter compaction test is carried over to know the compaction value of the soil and the load given to the soil to make a solid layer. Specific Gravity test is carried over to know the specific gravity of soil which should no more than 2.5.

When the specific gravity of the soil increases for backfill the settlement of the soil also increases.this settle-



Photo of NSCET civil staffs and KMC Associates technical team (15/10/2020)

ment will cause rise and dip on the terrain or formation.

The tests demonstrated are well liked by the

trainees and they give very good feedback.

EYCA INAGURATION

Energetic Young Civil Association (EYCA) was formed to develop leadership skill and to improve technical knowledge of all students and to update current happenings. Currently, there are 63 EYCA members

in our association including our PG students.

Members of EYCA are going to elect their office bearers for the academic year 2020-2021 and inaugurate their association on 4th November 2020. These office

bearers are elected by Academic performance, Team working spirit and Leadership skills.

The office Bearers N.Nagasudharshanadevi,

D.Prakash,K.Harish,S.Anukiraha those who are elected by the students are introduced in this inauguration meeting.