Innovative teaching techniques:

A field visit to perinthalmanna sky lab project site has been carried for 21 CE Students as a part of participatory learning approach, which in turn expected to be beneficial for their Design of concrete structure paper and for executing their projects in next semesters.. It is a 4 storey building site, wherein the construction of first floor was undergoing during the site visit. The students could see the slab detailing, beam reinforcements and column reinforcements. They had the opportunity to see both one way slab and two way slab on site. Students were so enthusiastic in understanding the practical concepts from site apart from the theoretical knowledge they had from theory classes. Later on after the visit, it became easy to convey them each and every element from design to construction during the classes , as they are able to relate it more easily.

Beam details:

The reinforcement provided on tension side and compression side was seen on side. They could understand the different types of beams. Continuous beam was given at the site. The development length provided , the stirrups provided in beams, the bent up bar provided were discussed and shown at site.

Slab details:

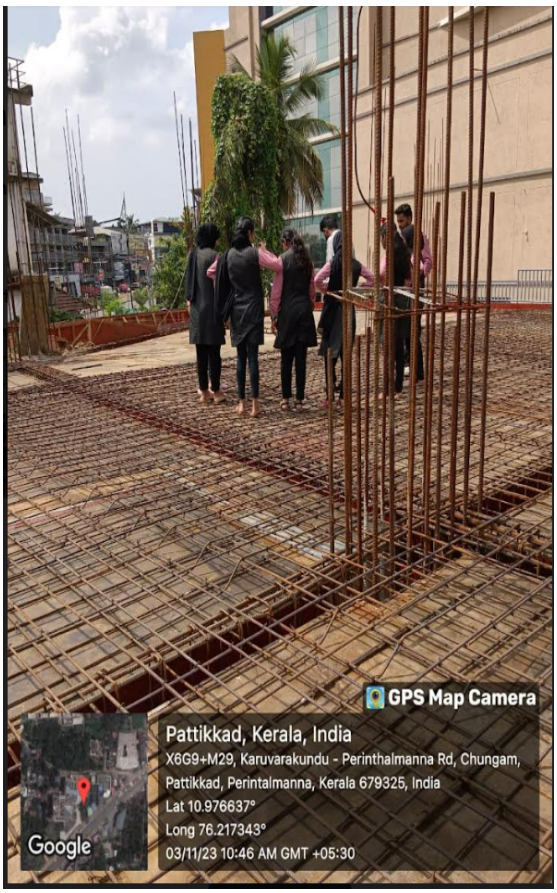
Both one slab and two way slab was seen by the students on site. The bend up bars given to the slab and torsional reinforcement provided for slabs etc. was shown in detail. The form work given for the slab was also shown.

Column details:

Rectangular columns was present at the site. The lateral ties provided , the pitch given for columns were noticed by the students at site. The column beam connection provided were also shown.

Foundation:

The foundation was already laid and filled by the time we visited. It was shown to the and told them the depth of foundation and how it was laid. A deep foundation was opted for around 3mtrs were filled with soil to create hard strata.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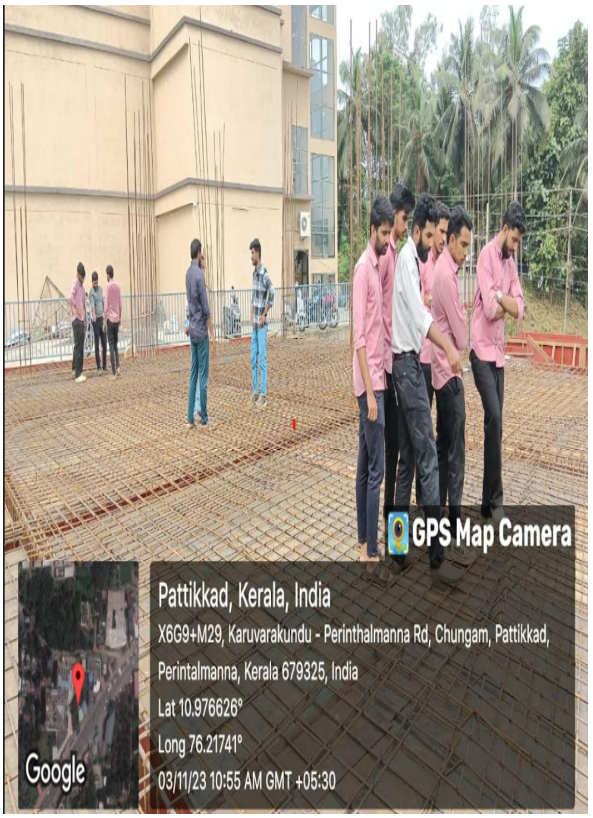
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