

DEPARTMENT OF CIVIL ENGINEERING

The staff members of MBCET engage in various consultancy activities for both Government and Private agencies/organizations. The consultancy activities contribute in improved industrial collaborations, enhancement of practical knowledge and thereby help in achieving the department goals related to Research, Consultancy and Development.

Areas in which consultancy services are offered

- Structural design of infrastructures
- Design of HMA mixes
- Water quality testing
- Soil investigation study
- Topographic mapping using GNSS and Total station

CONSULTANCY WORKS UNDERTAKEN DURING 2021-2022

1) Soil Investigation work for PWD, Regional Investigation & Quality Control Laboratory, Thiruvananthapuram

a) Project 1: State Council for Open and Lifelong Education Kerala, Killipalam

Soil investigation work for the State Council of Open and Lifelong Education Kerala was conducted under the guidance of Dr. Jayasree, Head of the Department of Civil Engineering from 31st March 2022 to 3rd April 2022.

Staff Members: Mr. Akhil Raj S R (Assistant Professor), Mr. Sijo M Saji (Assistant Professor), Mr. Edwin Roy (Lab Instructor), Mr. Shijin Kumar (Lab Instructor)



Photo # 1: Soil investigation work at Killipalam

b) Project 2: Taluk Hospital, Santhivila

Soil investigation work of Hospital complex construction at Taluk Hospital, Santhivila was conducted by Department of Civil Engineering, from 6th to 8th April 2022.

Staff Members: Dr. Jayasree S (HoD), Mr. Akhil Raj S R (Assistant Professor), Mr. Jomy Joseph (Assistant Professor), Mr. Vijin V J (Lab Instructor), Mr. Arun J (Lab Instructor)



Photo # 2 : Soil investigation work at Taluk Hospital, Santhivila

c) Project 3: Educational complex at DIET, Kottarakkara

Soil Investigation work was conducted for Educational complex at DIET, Kottarakkara, Kollam from 13th June - 15th June 2022.

Staff Members: Dr. Jayasree S (HoD), Mr. Jobin Joy (Assistant Professor), Mr. Shijin Kumar R V (Lab Instructor), Mr. Anand M. C (Lab Instructor)



Photo # 3 : Soil investigation work at Educational complex at DIET, Kottarakkara

d) Project 4: Government Muhammadin High School at Kollakadavu

Department of Civil Engineering conducted a Soil Investigation study of Government Muhammadin High School at Kollakadavu from 21st to 28th June 2022.

Staff Members: Mr. Sijo M Saji (Assistant Professor), Mr. Anand M C (Lab Instructor), Mr. Sarath Kumar S (Lab Instructor)



Photo # 4 : Soil investigation work at Government Muhammadin High School at Kollakadavu

e) Project 5: Thiruvalla Hospital

Soil Investigation study was conducted for Thiruvalla Hospital from 1st July to 6th July 2022.

Staff Members: Dr. Praveen P S,(Assistant Professor), Mr. Vijin V J(Lab Instructor)



Photo # 5 : Soil investigation work at Thiruvalla Hospital

f) Project 6: Government ITI Ranni

Soil investigation study was conducted by Department of Civil Engineering for the construction of Government ITI Ranni from 8th July to 14th July 2022

Staff Members: Mr. Jobin Joy(Assistant Professor), Mr. Anand M C(Lab Instructor), Mr. Arun J(Lab Instructor)



Photo#6: Soil investigation work at Government ITI Ranni

g) Project 7: Library and Reading room for Kochuveli St. Joseph Library

Soil investigation study was conducted by department of Civil Engineering for Library and reading room for Kochuveli St. Joseph Library from 20th to 21th September 2022.

Staff Members: Ms. Diana Alice Sugunan (Assistant Professor), Vijin V J (Lab Instructor), Shijin Kumar R V (Lab Instructor)



Photo#7: Soil investigation work at Library and Reading room for Kochuveli St. Joseph Library

h) Project 8: Government V H S S Keezhvaipur

Soil investigation study was conducted by department of Civil Engineering for Library and reading room for Government V H S S Keezhvaipur from 23rd September to 26th September 2022.

Staff Members: Ms. Diana Alice Sugunan (Assistant Professor), Vijin V J (Lab Staff), Shijin Kumar R V (Lab Staff)



Photo#8: Soil investigation work at Government V H S S Keezhvaipur

2) Soil Investigation Study and Topographic Survey (DGPS) for KIIFB works in Alappuzha District

Department of Civil Engineering conducted a soil investigation study and topographical survey for the Construction of road from Mundackal Palam- Chavara Bhavan- C Block in Alappuzha District from 11th to 13th Oct 2022.

Staff Members: Dr. Jayasree S (HoD), Shijin Kumar R V (Lab Staff), Edwin Roy (Lab Staff), Sarath Kumar (Lab Staff), Arun (Lab Staff)



Photo#9: Topographic mapping and Soil investigation study at Alappuzha

Consultancy works done so far

The Department of Civil Engineering with its strong and dedicated faculty group, takes up consultancy activities in the various streams of Civil engineering. Over the years the Department has been instrumental in taking part in various prestigious projects through which the Department has built a strong rapport with the industry. Some of the major clients and consultancy works taken up by the Department are as follows.

1. Material Testing

2020-2021

Title	Funding Agency	Amount (Rs.)
Test on concrete specimens	Kerala Police	5,900
Test on concrete specimens	Inkell Limited and other agencies	8,100
Test on steel specimens	Public Works Department and other Agencies	6,000
	Total Amount :	20,000

2021-2022

Title	Funding Agency	Amount (Rs.)
Test on concrete and steel specimens	Inkell Limited	10,200
Test on concrete specimens	Creations Villa's and Apartments and other Agencies	13,800
Test on materials	Favourite homes and other Agencies	18,400
	Total Amount :	42,400

2. Architectural and Structural Design of Men's hostel of MBCET

Under the leadership of Prof. P S Abraham, Professor, Department of Civil Engineering, the Architectural and structural consultancy works for the extension of Mar Aprem Mens Hostel of MBCET was executed by Dr. S Jayasree(HoD) and Mr. Akhil Raj(Assistant Professor).

3. Structural Design of Ladies Hostel of MBCET

The Team including Mr. Akhil Raj S.R (Assistant Professor) and Mrs. Anita A (Assistant Professor) under the leadership of Dr. S Jayasree (HoD) carried out the Geotechnical investigations and structural design for the extension of the building, Alphonsa Ladies Hostel.