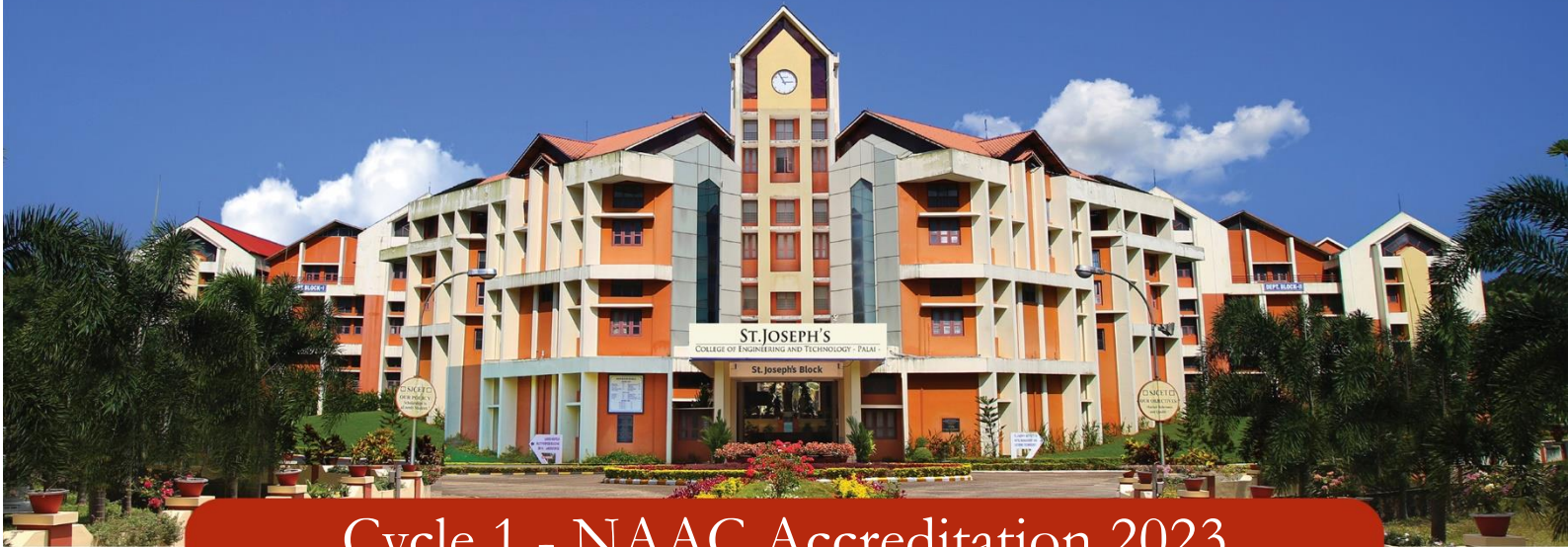




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Cycle 1 - NAAC Accreditation 2023

Criterion - 3

Research, Innovations & Extension

Extension Activities

Submitted to:



National Assessment and Accreditation Council



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On 28th November 2022, the NSS volunteers of St Joseph's College of Engineering and Technology Palai, along with the Agricultural Development Society of Mutholy Grama Panchayat involved in cleaning and ploughing the paddy field for cultivation of paddy



NSS Volunteers cleaning the paddy field with the NSS Faculty Coordinator

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On 29th October 2022, the NSS volunteers of St Joseph's College of Engineering and Technology Palai, along with the Agricultural Development Society of Mutholy Grama Panchayat involved in cleaning the agricultural land in order to utilise it for growing wide varieties of tapioca. About 100 volunteers both junior and senior volunteers together cleaned the land for plantation purpose. Mr Sasikumar, the President of Mutholy Grama Panchayat addressed the volunteers and from his note the program officer, Mr. Anto Manuel, grouped the volunteers into 5 groups of each with 20 volunteers. The volunteers work very exuberantly. Along with that the volunteers also helped in clearing weeds in the ladyfinger plantation. The program ended with the distribution of tea and snacks. Bus facility was provided to all the volunteers who participated. The program came out to be a great success.



NSS Volunteers cleaning the agricultural land in order to utilise it for growing wide varieties of Vegetables at Puliyanloor



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Agriculture is our cleverest pursuit, because it will in the end contribute most to real wealth, good morals & happiness." NSS volunteers from unit 201 of Sjcet, Palai utilised the opportunity with the farmers of our nearby area for horticulture. Rev. Dr. Joseph Maleparambil inaugurated the program on 12th Nov 2022 at 9.30 AM. The students were very active in doing the insisted works. Food was provided for the students. Volunteer secretaries of the units guided the program.



NSS Volunteers cropping Tapioca



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On 26th November 2022, NSS volunteers of SJCT Palai conducted KARUTHAL 2.0 - Blood donation camp along with LIONS CLUB & MATHA HOSPITAL. The event was held at Einstein's Hall from 9:30 am - 1:00 pm. The program was inaugurated by chief guest MLA Mani C Kappan, in presence of members of Lions club, HDFC Bank, The Chairman of SJCT, Principal, Vice Principal, Program officers and NSS volunteers. Felicitation speech was delivered by Dr. Rev. Fr. Joseph Maleparambil and members of Lions Club. Various students of SJCT were involved in the blood donation camp and donated blood to the needed ones



Blood donation camp along with Lions Club & Matha Hospital



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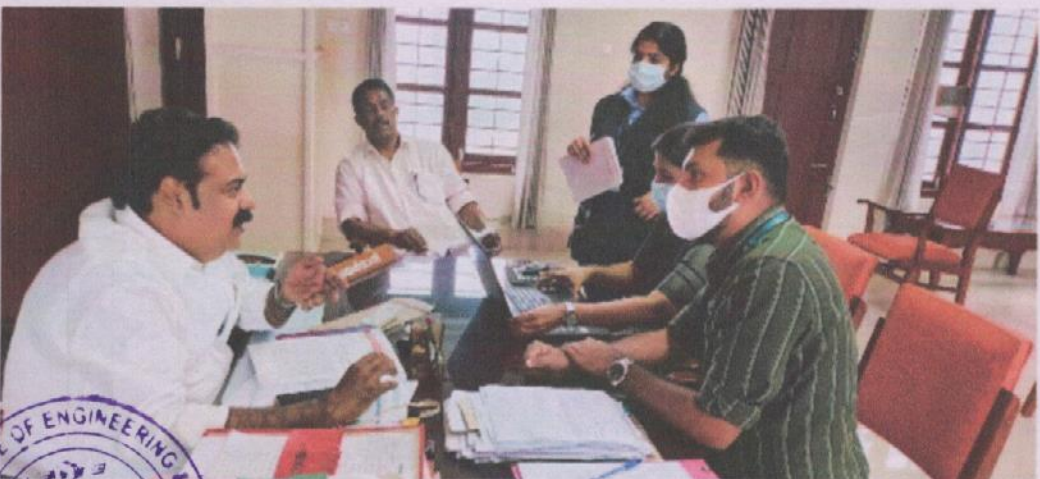


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MAPATHON KERALA- OSM MAPPING

Department of Civil Engineering, St. Joseph's College of Engineering and Technology, Palai is entrusted with the mapping of Palai Municipality (26 Municipal wards) so that it may be used by the Government agencies in case of any emergency situation like floods or any of such kind. The Mapathon Project of Palai Municipality is led by the SPoC Mr. Austin T Sabu, Asst. Prof, Dept. of CE and other members include Ms. Dalmiya Rajan, Asst. Prof, Dept. of CE along with a student group. The final year student group members are Sijith Chandran, Krishnapriya, Melinda Lorence & Nithya Prasannan (S7, CE).



Mapathon Project for Palai Municipality

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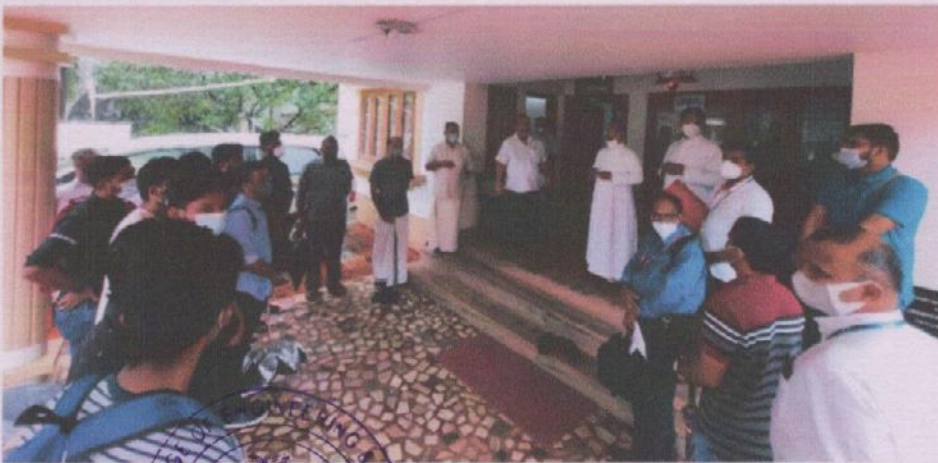


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KOOTICKAL SITE VISIT

In connection with the landslide at Kootickal, Dept. of Civil Engineering assessed the structural competency of residential buildings in the area. The project was undertaken by the Civil Engineering Department in association with Civil Engineering Association and Center for Industrial Consultancy. The site visit team consisted of faculty members and a group of final year students. The faculty members accompanied were Dr. K. J. George, Professor, Rev. Dr. Bennet Kuriakose, Associate Professor, Mr. Manish Jose, Asst. Prof, Mr. Austin T Sabu, Asst. Prof, and Lab instructors Mr. Joby George & Mr. George K Thomas.



Testing of Structural competency of residential buildings at Kootickal



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Kootickal Rejuvenation of Buildings in flood affected areas

REBUILD KERALA

Government of Kerala established Rebuild Kerala Initiative (RKI) to bring about a perceptible change in the lives and livelihoods of the people of Kerala after the state had been devastated by two major floods in 2018 and 2019. RKI presents a unique approach in rebuilding the state. One of the major components of this Initiative is the renovation of public roads maintained by the Local Self Govt Department (LSGD). The works related to field investigation for preparation of DPR were delegated to SJ CET, Palai. SJ CET Palai has a Tier II Collaboration with RKI (G.O.(Rt).No.2179/2020/LSGD, Dated:20.2.2020) and Department of Civil Engineering. SJ CET Palai ensures Quality Assurance at the site by conducting random checks and suggests possible improvements where ever required.

Road Strength studies at Idukki District under the Rebuild Kerala Initiative Works entrusted by LSGD, Government of Kerala as part of post Flood and Disaster Investigation works.



Flood and Disaster Investigation works – Idukki Dt

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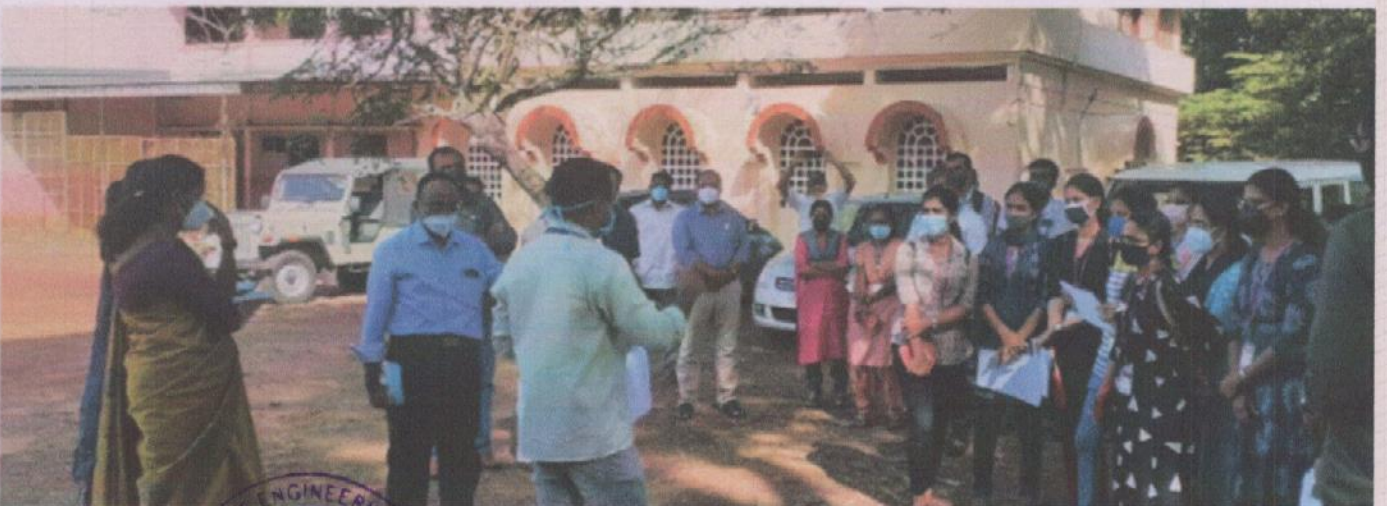
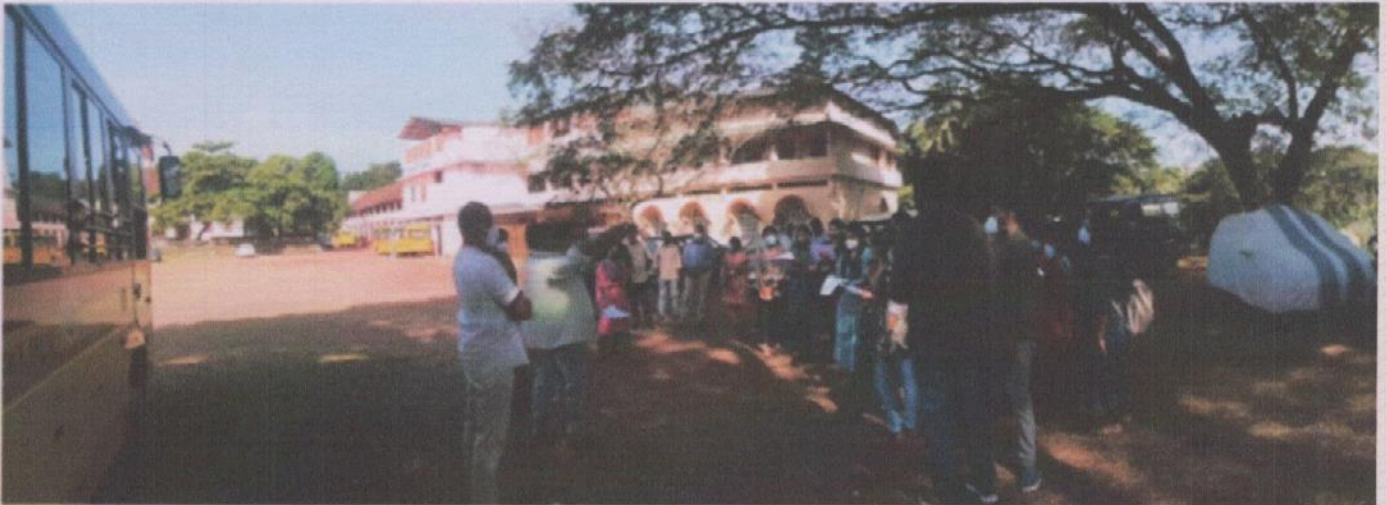


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MANIMALA REJUVENATION WORK

Field visit was conducted by S3 M.Tech. students under the supervision of Dr. K J George Professor, Mr. Jose James, Assistant Professor, Ms. Dalmiya Rajan, Assistant Professor, Mr. Joby George and Ligi Simon, Lab Instructors for the survey as part of Manimala River Rejuvenation in association with Kerala State Irrigation Department (IDRB). Survey includes identifying pollution in stretches of river and water sampling. Data is interpreted in preparing a DPR for pollution abatement of Manimala river in Kalloopara Thondra Stretch.



Rejuvenation Work at Manimala

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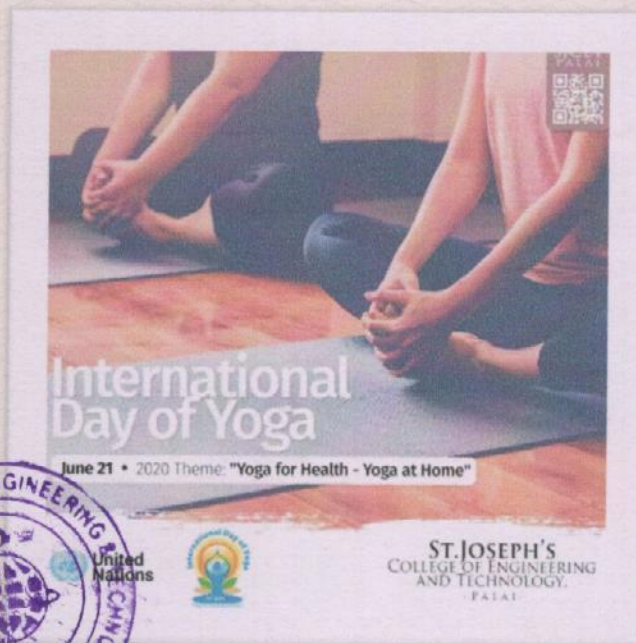
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NCC Day Celebrations



The NCC Day was celebrated on 27th November 2021, the Commanding Officer of 17/Kerala Battalion Col. Michel Raj delivered the keynote address in the presence of H.E. Mar Joseph Kallarangatt, Bishop of Palai. 108 cadets attended the celebrations. 8 cadets appeared for C Certificate exam and 38 cadets appeared for B certificate Exam and successfully completed the certifications.

INTERNATIONAL YOGA DAY CELEBRATION



Yoga Day June 21st 2020

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WORLD TOBACCO DAY



On 31st May 2022 cadets observed world tobacco day to create awareness among the youth about the harmful and deadly effects of tobacco use

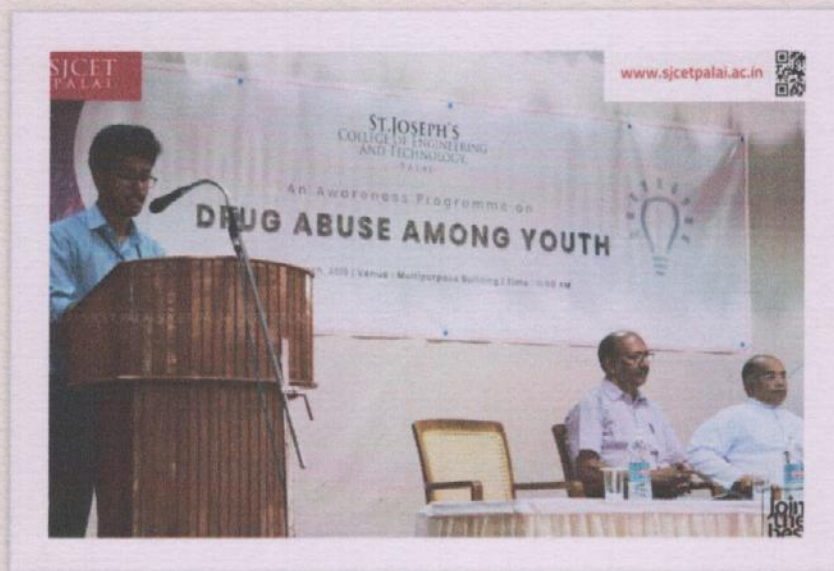


St. Joseph's College Engineering and Technology, Palai observed this day, in association with Mar Sleeva Medicity , Palai. Students from the college organised a flash mob at Mar Sleeva medicity, to create awareness to the general public about the side effects of tobacco use. After this, doctors of Mar Sleeva medicity presented the health issues related to the tobacco use



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Drug Abuse among Youth Awareness Programme conducted during 2019



Blood Donation Camp 2022 at SJ CET



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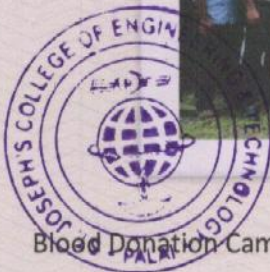
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Blood Donation Camp conducted during the Assessment Year 2019, 2020 and 2021

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Flooring Work undertaken by NSS Volunteers in Construction of Orphanage at Kuravilangadu during October 2021



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NSS REHABILITATION SURVEYING PROGRAMME

ST. JOSEPH'S COLLEGE OF ENGINEERING AND
TECHNOLOGY, PALAI

NSS UNIT NO.201 & UNIT NO.564

FROM 26 AUGUST 2018 – 1 SEPTEMBER 2018

INTRODUCTION:

The NSS unit no. 201 and unit no. 564 of St. Joseph's College Of Engineering and Technology, Palai, conducted a seven day rehabilitation surveying programme in accordance to The Government of Kerala ordered decision, entrusted to the Directorate of Technical Education Kerala and APJ Abdul Kalam Technological University as a part of rehabilitation works in the flood affected areas. Volunteers from both the units worked in the surveying programme conducted in six various panchayaths of block Ettumanoor, Kottayam district.

The rehabilitation surveying programme was conducted in Neendoor, Thiruvapp, Arppokkara, Athirampuzha, Aymanam and Kumarakom panchayaths. College chairman Rev.Msgr. Dr. Joseph Kollampampil and manager Rev. Fr. Mathew Koramkuzha initiated the activities and supported the cause which was brought up by the principal of the college, Dr. J. David. The activities were conducted in seven long days under the supervision and management of the

programme officers Mr. Anto Manuel and Mr. Baiju Jacob. Separate staffs were appointed to each panchayaths for looking over the students and their works each day.

Over 80 students participated who were divided into various numbers by the volunteer secretaries of both the units, Abhay P and Riya Ros Abraham (unit no.201) and Aneesh George and Gayathri Raj (unit no.564) as required by the respected panchayath assistant engineers' requests. All the houses scattered in various blocks in each panchayaths were surveyed in seven days.

SURVEY OVERVIEW:

The survey was based on collecting the details of the various check lists listed below:

- District
- Taluk
- Panchayath
- Name of the owner of the building
- Address and
- Road proximity

And the rapid visual screening of buildings contained:

- I. Plot area
- II. Whether the land is dry or wet
- III. Nature of soil
- IV. Plinth area of the building
- V. Age of the building
- VI. No. of stories

- VII. Whether the building is load bearing or framed?
- VIII. Type of building, floor and wall
- IX. Type of foundation
- X. Any cracks / failure in foundation
- XI. Roof failures (water dripping, cracks or slab slagging?)
- XII. Nearby water sources and distance from the water body
- XIII. Max flood level reached
- XIV. Position of the well (sunken, working condition?)
- XV. Water supply lines and water tanks
- XVI. Sanitary fittings
- XVII. Is there any septic tank? (type, working condition)
- XVIII. KSEB consumer no and problems if any in meter box & electrical fittings
- XIX. Photo of the building and cracks

SURVEYING DETAILS IN VARIOUS PANCHAYATHS

1. AYMANAM PANCHAYATH:

7 students worked with the respected overseers allotted to work in different wards managed and supervised by the respected assistant engineer Mr. Shanavas in Aymanam panchayath. About 2500 houses were surveyed and the data was entered. Photos of the buildings, cracks occurred and other problems were taken and send to the officers.



2. ARPOOKARA PANCHAYATH:

11 students worked with the respected overseers allotted to work in different wards managed and supervised by the respected assistant engineer Mrs. Soumya in Arppookara panchayath. About 2500 houses were surveyed and the data was entered. Photos of the buildings, cracks occurred and other problems were taken and send to the officers.



3. NEENDOOR PANCHAYATH:

11 volunteers worked with the respected overseers allotted to work in different wards managed and supervised by the respected assistant engineer Mrs. Sheena in Neendoor panchayath. About 1000 houses were surveyed and the data was entered. Photos of the buildings, cracks occurred and other problems were taken and send to the officers.



4. THIRUVARPP PANCHAYATH:

23 volunteers worked with the respected overseers allotted to work in different wards managed and supervised by the respected assistant engineer Mrs. Surabhi in Thiruvarp panchayath. About 4000 houses were surveyed and the data was entered. Photos of the buildings, cracks occurred and other problems were taken and send to the officers.