



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

Choondacherry P.O., Palai, Kottayam Pin 686579, Kerala, India
Phone: +91 4822-239700, 239301, 239302
Email: info@sjcetpalai.ac.in • Website: www.sjcetpalai.ac.in

Cycle 1 - NAAC Accreditation 2023

Criterion – 7.1.3

BEYOND THE CAMPUS ENVIRONMENTAL PROMOTION ACTIVITIES

Submitted to:



National Assessment and Accreditation Council



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

Index

Sl.No.	Topic	Page No.
1.	All Terrain Vehicle (ATV) For Agriculture	1
2.	Grameenam Mutholy	2
3.	Rebuilding of Flood Affected Kootickal and Enthayar Panchayat	10
4.	DPR Preparation for the Abatement of Pollution of Manimala River	13
5.	Forest Road Cleaning Activity	15
6.	Grow Bag Filling	16
7.	Flood Rehabilitation	17
8.	Planting trees	18



1. ALL TERRAIN VEHICLE (ATV) FOR AGRICULTURE

Charley is an All Terrain Vehicle (ATV) designed, analysed and manufactured by Team Tyroveloce Racing (a team of 25 students & 2 faculty members) of the Department of Mechanical Engineering on the aegis of SAEINDIA collegiate club of SJ CET to compete in ATV competitions in India. However, upon revealing of the ATV, several consultancy enquiries came from agricultural sector of Kerala for crops, fertilisers & other accessories transport through Off-terrains. To test the capability of the vehicle, team has made a trial run at a rubber plantation land at Melukavu, Kottayam which is owned by Advocate Frinso Mathew. At the trial field at Melukavu, the team made discussions with farmers & LSG delegates. The vehicle was well performed at the field and was appreciated by the LSG authorities & farmers. The team is planning to modify the vehicle according to the need of the farmers.





2. GRAMEENAM MUTHOLY

PHASE I - Thekkumury, Mutholy, October 25 2022

On October 25th 2022, the NSS volunteers of SJCET Palai initiated a program named 'NELLU KRISHI' along with the Agricultural Development Society of Mutholy Grama Panchayat. The ceremony began at 9.30 AM at agricultural field in Thekkumury. Sri Josemon Mundaikal (District Panchayat member) delivered the welcome speech and the ceremony was inaugurated by Sri Mani C Kappan MLA and the presidential address given by Rev Fr Joseph Maleparambil in the presence of NSS volunteers and panchayat members. The volunteers involved in sowing seeds which makes awareness among themselves about the need of agriculture.



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -





ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

PHASE II - Mutholy, October 29 2022

On October 29th 2022, the NSS volunteers of SJCET Palai, conducted a programme along with the Agricultural Development Society of Mutholy Grama Panchayat. This event aimed at cleaning an agricultural land in order to grow wide varieties of tapioca. Mr. Sasikumar the president of Mutholy Grama Panchayat addressed the volunteers. About 100 volunteers took part in this event, and they worked very enthusiastically.





ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -



PHASE III - Mutholy, Palai, November 3 2022

On 3rd November 2022, NSS volunteers of SJ CET Palai along with Agriculture Development Society of Mutholy Grama Panchayat conducted a program for the plantation of rice crops. The program began at 9.00 am at Mutholy. The inaugural ceremony was accomplished by Sri. Krishna Prasad, film actor in the presence of NSS volunteers and panchayat members. Sri. N K Sasikumar (President, Grameenam Mutholy) delivered the welcome speech and Rev. Fr. Joseph Maleparambil gave the presidential address.



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -



PHASE IV - Mutholy, Palai, November 12 2022

On 12 November 2022 NSS volunteers from unit 323 of SJ CET Palai utilised the opportunity with the farmers of our nearby area for horticulture. The program aimed at planting tapiocas. The program was inaugurated by Rev. Dr. Joseph Maleparambil at 9.30 AM in the presence of volunteers and panchayat members. Sri. N K Sasikumar (President, Grameenam Mutholy) delivered the Welcome Speech. Volunteers prepared the land for plantation purpose. Volunteer Secretaries guided the program. The program ended by 2.30 PM.



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -



PHASE V - Mutholy, Palai, November 16 2022

On 16 November 2022, NSS volunteers of St. Joseph's College of Engineering and Technology, Palai along with Agricultural Development Society of Mutholy Grama Panchayat conducted a program for harvesting ladyfingers and clearing the weeds. The program began at 7.30 AM at Mutholy. The program was inaugurated by Sri. Mani C. Kappan MLA in the presence of Volunteers and panchayat members. Sri. N K Sasikumar (President, Grameenam Mutholy) delivered the welcome speech. Felicitations were given by the panchayat members. The program Officer Mr. Anto Manuel shares his own view. The program was successfully ended.



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -



Managed by the **Catholic Diocese of Palai** • Approved by AICTE • Affiliated to APJ Abdul Kalam Technological University, Kerala

An ISO 9001:2015 Certified College • Choondacherry P.O., Palai Pin 685579, Kerala, India
Phone: +91 4822 239700, 239301, 239302 • principal@sjcetpalai.ac.in • www.sjcetpalai.ac.in

SJCET
PALAI



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

PHASE VI - Kaniyakkadu, Puliyanoor, November 28 2022

On 28th November 2022, the NSS volunteers of St Joseph's College of Engineering and Technology, Palai along with Agricultural development society of Mutholy Grama panchayat conducted a program "Nellu Krishi". The program was inaugurated by Sri Mani C Kappan, MLA at 9:00 am, followed by the presidential address by Rev Fr. Joseph Maleparambil. The volunteers involved in sowing seeds and making ridges. The program was ended by a vote of thanks by the program officer Mr. Anto Manuel.





3. REBUILDING OF FLOOD AFFECTED KOOTICKAL AND ENTHAYAR PANCHAYAT

Koottickal and Enthayar Panchayat in the district of Kottayam were hit by massive downpour which led to Landslides claiming about life of 27 people in the area. The Department of Civil Engineering of St Joseph's College of Engineering and Technology Palai and Centre for Industrial Consultancy went to the affected area and analysed the damage of the area. The site visit was scheduled on 13th of November, 2021. The team from the college consisted of around 12 final year students along with professors and technical staff from the college. The team was led by Associate Professors Dr Bennet Kuriakose and Dr K J George.





ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -



Old Theatre Rd, Koottickal, Kerala 686514, India

Koottickal

Kerala

India

2021-11-13(Sat) 10:33(am)



28°C

82°F



Mukkulam, Kerala, India

Mukkulam

Kerala

India

2021-11-13(Sat) 12:15(pm)



27°C

81°F



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -





4. PREPARATION OF DPR FOR THE ABATEMENT OF POLLUTION OF MANIMALA RIVER:

Manimala river which is 92 km long flows through the districts of Idukki, Kottayam, Pathanamthitta and Alappuzha. Rajiv Gandhi Institute of Technology (RIT Government Engineering College) Kottayam and St. Joseph's College of Engineering and Technology Pala along with the Irrigation Research and Design Board (IDRB) Thiruvananthapuram were assigned the pollution abatement study of Manimala river basin which comes under priority IV category.

As per National Green Tribunal Order, the main objective of this Action Plan is to restore the water quality of priority IV polluted stretch of Manimala river (from Kalloppa to Thondra) to Class B (IS 2296:1992). This DPR analysed the current problems pertaining to pollution, e-flow etc. of the stretch of



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

Manimala river from Koottickal to Thondra identified the gaps and an action plan is prepared to enhance the flow and quality of river water at this stretch.





5. FOREST ROAD CLEANING ACTIVITY

Kaipally, Poonjar, Erattupetta, January 8-14, 2020: A seven day camp of the National Service Scheme wing of SJ CET Palai was conducted from 8th of January 2020 to 14th of January 2020 at Kaipally a small village located about 4 km from Poonjar, Erattupetta. MLA of Poonjar Shri P.C George was invited inaugurate the Forest Road Cleaning Activity. Around 1.5 km of road was cleaned and plastic waste from these road sides was collected and disposed. Afternoon session began from 3:00 PM which extended till 4:30 PM which was utilised for the cleaning of 1km distance of the same forest road.





6.GROW BAG FILLING

Govt. LP School Kaippally, and SJCET, Palai, January 26, 2020: The NSS unit of our college handed over 70 grow bags to the Govt. LP school Kaippally on 26th January 2020, to make the school eco-friendly. The program encouraged organic farming methods among the students. The grow bags were filled with soil from our college, cow-dung and other bio fertilizers. To keep moisture content in the grow bag we put coir pith into the grow bag.



ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -



7.FLOOD REHABILITATION

Kottayam Collectorate, 16 August 2019: NSS Volunteers of the unit tried to collect as much daily utility items as possible and some of the volunteers took it to the collection centre located at Kottayam Collectorate. That was a great help to those people who were struggling in flood relief camps.





ST. JOSEPH'S

COLLEGE OF ENGINEERING
AND TECHNOLOGY,
- PALAI -

8. PLANTING TREES

Trees were planted by the NSS volunteers of SJ CET Palai on June 5, 2023 as part of Environment day celebration. Cleaning of the surroundings of the campus was also done by the volunteers.

