



3.4.3 Number of extension and outreached Programmes conducted by the institution through NSS/ NCC/ Red Cross/ YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs during the last five years

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

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NSS ACTIVITY REPORT

(July 2019-June 2020)

1. Distribution of Notebooks

As a part of flood relief, the NSS volunteers had collected new notebooks on 22nd August 2019 and were handed over to NSS (Technical Cell) core committee members, Mr. Charles T George and Mr. Anand James for distributing it to the students who were affected by the Flood of 2019. Around 15 NSS volunteers had participated.



Fig: Notebook Collection and Distribution as a part of Flood Relief Works

2. Onam Celebration @ Providence Home

As a part of 'Onam Celebration 2k19' NSS volunteers had provided 'Onasadhya' to the 35 inmates of Providence Home, Vazhakulam on 14th September 2019. 20 NSS volunteers had participated.



Fig: 'Onam Celebration 2k19'



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3. Blood Donation Camp

Blood Donation Camp was conducted on September 26 in association with IMA Thodupuzha, sponsored by HDFC bank and blood donors Kerala. There occurred participation of 15 volunteers and 60 units of blood were donated.



Fig: Blood Donation Camp

4. Annual Seven-Day Special Camp-Punarjani-2019

The National Service Scheme unit of VJCET, Vazhakulam successfully managed to conduct an annual seven-day special camp, PUNARJANI 2019 from 2nd October 2019 to 8th October 2019. The camp was inaugurated by the college principal Dr. Josephkunju Paul C. Camp witnessed participation of 86 students from the two units of the NSS, unit 197 and 587 and it reinstated various hospital equipment's and created an asset of about 17,42300 Rupees. The camp was held at Muvattupuzha Government Thaluk Hospital.



Fig: Punarjani Camp-2019



5. Hospital Cleaning

NSS units of VJCET had conducted a cleaning program at Primary Health Centre Pandappilly, Muvattupuzha on 9th and10th October 2019. 45 volunteers had participated.

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Fig: Cleaning of Primary Health Centre Pandappilly

6. A Day at Providence Home

The NSS volunteers (45) had visited the Providence Home, (a home for specially disabled people) & spend a day with the inmates in the home on Feb 1st. Variety of cultural programs were done in order to entertain the old people. Lunch was also provided to the people by the NSS unit.



Fig: A Day at Providence Home

7. Donation of Stationeries

Stationery items like notebooks, pencils, colouring books etc. were distributed to the students of the school. The program was inaugurated by the Principal of VJCETon Feb 7th. Around





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15 students had participated.



Fig: Donation of stationeries

8. Children's Park Cleaning

Children's Park, Thodupuzha was cleaned by the NSS volunteers on Feb 20th 2020. Around 20 volunteers had participated.



Fig: Children's Park Cleaning

9. Cleaning of Avoly Panchayath Office

Avoly Panchayath Office and its surroundings were cleaned by the NSS volunteers on Feb 23rd. The program was inaugurated by the Panchayath Member. Around 45 students had participated.



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Fig: Panchayath Office Cleaning

10. Homeo Clinic Cleaning

The Homeo Clinic in Avoly Panchayath and its surroundings were cleaned by the NSS volunteers on Feb 25th. Around 38 NSS volunteers had participated.



Fig: Homeo Clinic Cleaning

11. KSRTC Bus Stand Cleaning

The KSRTC Bus depot at Muvattupuzha and its surroundings were cleaned by the NSS volunteers on Feb 26th. The Program was inaugurated by the Municipal Councilor.





Around 28 NSS Volunteers participated.



Fig: KSRTC Bus Stand Cleaning

12. Volunteering Volley Ball & Cricket Tournaments

NSS volunteers had volunteered and helped for the smooth conduction of Volleyball & Cricket Tournaments conducted by the Police Association, Muvattupuzha as a part of Anti-Narcotics Campaign. The program was inaugurated by the Circle Inspector of Police, Muvattupuzha Circle on Mar 18th. Around 120 students and 20 NSS volunteers had participated.



Fig: Volunteering Volley Ball & Cricket Tournaments as a part of Anti-Narcotics Campaign



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NSS ACTIVITY REPORT

(July 2018-June 2019)

13. Cleaning of the Local Streams and Water Bodies

On 7th July 2018, the NSS volunteers involved in the cleaning of the local streams and water bodies under Swachh Bharat Abhiyan. 25 students actively participated in this event.

14. Collection and Distribution of Necessary Items for Relief Camps

From 14th to 16th August, The NSS volunteers actively participated in collecting the necessary items of food and clothing from the Viswajyothi Family to distribute in relief camp of the flood affected areas. All the collected materials were distributed in the relief camps in the nearby areas. 120 students actively participated in this event.



Fig: Collection and Distribution of Necessary Items for Relief Camps

15. Rehabilitation Works

From 27th Aug to 2nd Sept. 2018, the students of all departments (except 1st year students) under the guidance of National Cell (Technical Cell) were engaged in the rehabilitation works ranging from preliminary survey and cleaning, to collection and distribution of necessary food





and clothing and volunteering at relief camps, completing on an average of 100 hours per student. 225 students actively participated in this event.

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Fig: Rehabilitation Works

16. Cleaning of Private Bus Stand, Vazhakuam

On 15th September 2018, the NSS volunteers participated in cleaning the Private Bus stand Vazhakulam. 25 students actively participated in this event.

17. Second Phase of Rehabilitation Survey

On 18th September 2018, the second phase of rehabilitation survey is conducted by the volunteers at the homes in the Vazhakulam area. 45 students actively participated in this event.



Fig: Second Phase of Rehabilitation Survey



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18. Blood Donation Camp

On 10th October, 2018, a Blood Donation Camp was organized in the campus with Indian Medical Association, Thodupuzha. Over 60 students came forward to donate blood in the event.

19. Visit to Providence Home, Kavana

On 9th October 2018, NSS volunteers visited the Providence Home, Kavana – a home for elderly and differently abled ladies. 45 students actively participated in this event.

20. Implementation of Green Protocol at Thiruvairanikulam Temple

From 26th to 28th December 2018, several NSS volunteers actively participated in implementing Green Protocol at Thiruvairanikkulam Mahadeva temple. 18 students actively participated in this event.



Fig: Student Certificate for Supporting Green Protocol activities

21. Distribution of 200 Chekutty Dolls in the College Campus to Help the Weavers of Chendamangalam Handloom Society.

On 26th March 2019, NSS volunteers distributed 200 Chekutty Dolls in the college campus. All the proceeds went to the weavers of Chendamangalam Handloom Society, who lost their



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livelihood after the floods. The inauguration was done by giving the doll to the Principal at his office.



Fig: Inauguration of Chekutty Dolls Distribution

22. Stem Cell Donor Registration Camp

On 3rd May 2019, a Stem Cell Donor registration camp was held at the college campus. In the event Anuroop P S of S8 Mechanical Engineering (2015-19), shared his experience in which he had volunteered stem cell transfer by bone marrow.



Fig: Stem Cell Donor Registration Camp

23. Annual Seven Day Special Camp – Punarjani-2018

The NSS unit conducted this year's Seven Day Special Camp-Punarjani-2018 at Govt. Taluk







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Hospital Thodupuzha from 25th to 31st January 2019. They aimed at repairing damaged furniture and other health-care facilities at government hospitals. During the camp the NSS unit reinstated an asset of worth Rs. 25lakhs.



Fig: Punarjani-2018





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NSS ACTIVITY REPORT

(July 2017-June 2018)

24. Bethlehem Abhaya Bhavan Visit

On 29th July 2017, NSS volunteers conducted a visit to Bethlehem Abhaya Bhavan, Koovappady as a part of their service visit. 25 students actively participated in this visit.

25. Blood Donation Camp in association with Aluva Blood Bank

On 4th August 2017, a blood donation camp was organized at NAZ Auditorium Muvattupuzha in association with Aluva Blood Bank. 40 students actively participated in this event.



Fig: Blood Donation Camp in association with Aluva Blood Bank

26. Blood Donation Camp in association with IMA Thodupuzha

On 18th August 2017, a blood donation camp was arranged in the campus in association with IMA Thodupuzha and fifty units of blood were able to collect from the student community of the college. 75 students actively participated in this event.



Fig: Blood Donation Camp in association with IMA Thodupuzha



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27. Construction of a Biodiversity Park at Govt. L.P. School, Neerampuzha

On September 7th& 8th 2017, the NSS volunteers actively participated in building a Biodiversity Park at Govt. L.P. School, Neerampuzha. Around 50 volunteers actively participated in this event.



Fig: Biodiversity Park at Govt. L.P. School, Neerampuzha

28. Awareness Talk on Blood Stem Cell Donation

An awareness talk on Blood Stem Cell Donation was conducted by Ms. Athulya, Volunteer Datri Blood Stem Cell Donor Registry on 22nd September 2017. In this event, 173 students voluntarily registered their names with Datri.



Fig: Awareness Talk on Blood Stem Cell Donation



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29. Inauguration of Donor's Force

On 23rd September 2017, the NSS unit of the college in association with the Muvattupuzha Taluk Legal Services and Indian Red Cross Society, Muvattupuzha branch inaugurated Donor's Force by Magician Gopinath Muthukad. In the same event, application form for Niramaya Health Insurance-Disability Health Insurance scheme, were collected from the people of Muvattupuzha Municipality. 80 students actively participated in this event.

.I.	nauguration of
Donors force	& Free Health Insurance Policy
Venue : Viswjyothi Engin	eering & Technology, Vazhakulam, Muvattupuzha
Date : 23rd S	eptember 2017 Time : 11.00 am
	Programmer
	- es roynamme.
rlayer Webser	Dr. Jacobhuniu Paul Cuntering Victor
Choleman Address	Sri S Shaishan
Charmen Address	(RDD President IRC Muvattuozha)
Introduction of Guest of Honour	: MC
Address by Guest of Honour	Sri, V.P. Muraleedharan
	(Chairman, IRC, Kerala State)
Releasing of Appreciation Certificat	
and Donor's Memebership Card	: Sri. V.P. Muraleedharan
ntroduction of Chief Guest	: MC
by lighting the lamp	, Muvattupuzha Taluk
Address by Chief Guest	Sri. Gopinath Muthukad
nauguration of Free Health Pol	cy of the physically challenge
& difficulty abled person by rele	easing the banner.
Acceptance of Insurance Application	1
relicitation	(Director, VJCET)
	: Adv. C.V. Paul (Chairman, IRC, Movattuszka)
Pleasantries	(a) A second state of the second of the second state and second states and the second states of the second states and the second states are second states and the second states are second s are second states are second are sec
Vote of Thanks	: Sri. Jimmy Jose (Vice-Chaiman, IRC, Muvattupuzha)
National Anthem	

Fig: Inauguration of Donor's Force

30. Visit to Providence Home, Nadukkara

On September 29, 2017 the NSS volunteers visited Providence Home, Nadukkara, as a part of their service visit. 30 students actively participated in this event.





Fig; Providence Home Visit

31. Volunteering "Sundhara Kochi" Project

On October 5th, 2017, NSS volunteers actively involved in "Sundhara Kochi" project around Kakkanadu Collectorate premises. 40 students actively participated in this event.



Fig: "Sundhara Kochi" Project-Cleaning around Kakkanadu Collectorate Premises



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32. Cleaning of Road Sign Boards

On 4th November 2017, volunteers cleaned the Road Sign Boards from Anicadu to Vazhakulam stretch of State Highway 8 (SH-8). 45 students actively participated in this event.



Fig: Cleaning of Road Sign Boards

33. Planting a Tree Sapling in the Campus

On 9th November 2017, NSS unit as a part of anti-drug campaign planted a tree sapling in the Campus. 26 students actively participated in this event.



Fig: Planting a Tree Sapling in the Campus



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34. Annual Seven Day Special Camp-Punarjani 2017

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The Annual Seven Day Special Camp-Punarjani 2017 is conducted from 26th December 2017 to 1st January 2018 at Govt. Taluk Hospital, Kothamangalam. The aim of the Camp is to repair damaged and out-of-use furniture and other health-care facilities at Govt. Hospital, by making use of NSS Technical Cell Volunteers. The Camp witnessed participation of 85 students from the two units of the NSS and it reinstated various hospital equipments worth Rs. 17, 67,220/- (Seventeen Lakhs Sixty Seven Thousand Two Hundred and Twenty) (Cots, IV stand, Bed locker and various Biomedical Equipments). 86 students actively participated in this event.



Fig: "Punarjani 2017"

35. Cleaning of K. S. R. T. C. Bus Station, Muvattupuzha

On 20th January 2018, the NSS Volunteers Cleaned K. S. R. T. C. Bus Station, Muvattupuzha, its premises and a few Buses, under the guidance of Mr. Nibin B., Asst. Professor, Dept. of ME. 22 students actively participated in this event.



Fig: Cleaning of K. S. R. T. C. Bus Station, Muvattupuzha



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36. Renovation of Children's Park

On13th February 2018, NSS Volunteers actively involved in renovating the children's park along with cleaning of the surrounding premises. The work was well appreciated by the Mr. Benny A. D., Head Master of the school. 25 students actively participated in this event.



Fig: Renovation of Children's Park

37. Computer Maintenance Camp

On 24th February 2018, computer maintenance camp was conducted at the Town UP School in which NSS volunteers actively involved in repairing the computers and the lab was put into full working condition. 120 students actively participated in this event.



Fig: Computer Maintenance Camp at the Town UP School



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38. School Kit Distribution

On 28 April 2018, school supplies including a bag, umbrella and necessary stationeries were distributed at Kavana L P School. The function was inaugurated by Mr. Jordy, President, Avoly Gramapanchayath and Presided by Prof. (Dr) Josephkunju Paul C., Principal VJCET.



Fig: School Kit Distribution

39. Cleaning at Various Locations of Avoly Gramapanchayath

On 6th and 7th on May, 2018 a door-to-door survey regarding Cleanliness (Swachh Bharat Abhiyan) were undertaken in the various locations of Avoly Gramapanchyath. 78 students actively participated in this event.



Fig: Cleaning at Various Locations of Avoly Gramapanchyath

40. Cleaning the Premises of Kavana L P School

On 7th May 2018, the surroundings of Kavana L P School were cleaned by the NSS volunteers in connection with Swachh Bharat Abhiyan. 65 students actively participated in this event.





Fig: Cleaning the Premises of Kavana L P School

41. Planting Tree Saplings at Various Locations in the Avoly Gramapanchayath

On 5th and 6th June 2018, tree saplings were planted at various locations in the Avoly Gramapanchayath and at Kavana L P School, in connection with World Environment Day Celebrations.



Fig: Planting Tree Saplings at Kavana L P School

42. Making Disposable Waste Bins and Manure Pits

On 10th June 2018 as part of Swachh Bharat Abhiyan, NSS volunteers actively participated in making disposable waste bins and manure pits, in the Avoly Gramapanchyath, in connection with Swachh Bharat Abhiyan.



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43. Removal of Plastic Bottle Wastes

On 27th and 28th June 2018, as part of Swachh Bharat Abhiyan, NSS volunteers initiated in removing the plastic bottle waste on the either sides on the road on the college, over 1000 bottles were collected and were handover to the Panchayath authorities for proper recycling and disposal. 54 students actively participated in this event.



Fig: Plastic Bottle Waste Removal



Established in 2001



NSS ACTIVITY REPORT

(July 2015-June 2017)

44. Stem Cell Donation Awareness And Registration

National service scheme along with Datri Stem Cell Donors registry conducted an awareness talk on stem cell donation on 2nd February 2017 at Viswajyothi College of Engineering and Technology. Mr. Aby Sam John, Donor drive coordinator (Datri Stem Cell Donors Registry, Kerala region) took the awareness sessions. Registrations were done after the classes and there were 678 registrations from the students and staffs including NSS volunteers which accounted National level highest count on a single day during the World Cancer Week.



Fig: Blood Stem Cell Awareness and Registration Inauguration at VJCET



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Stem Cell Donations from VJCET

Stem Cell Donors from VJCET are:

- 1. Anuroop P. A., 2014-18 Mechanical Engg Batch
- 2. Roji P Raju, 2015-19 Civil Engg Batch
- 3. Minna Shaji, 2014-18 Electronics & Communication Engg Batch



DATRI BLOOD STEM CELL DONORS REGISTRY

Module No: 1207 & 1208, 12th Floor, Ticel Bio Park - Phase II, CSIR Road, Taramani, Chennai - 600 113, India.

Certificate

This Certificate is awarded to **Mr. Anuroop P A** of Perumbavoor, Kerala for the exemplary humanitarian act of donating Stem Cell through bone marrow harvest. This generous **act** will help **Gift** a Life.

Dated

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Dated : 8th April 2019

Raghu Rajagopal co-founder & ceo



NGINEERING & TECHNOLOGY hi & Affiliated to APJ Abdul Kalam Technological University Managed by Catholic Diocese Kothamangalam

അനുരൂപിന്റെ മൂലകോശത്തിൽനിന്ന് വിഹാന് പുതുജീവൻ

പി.രമേഷ് പെരുമ്പാവൂര

അനുരൂപ് ഒരു മഹാദാനത്തി ൻെറ സന്തോഷത്തിലാണ്. നാലു വയസ്സുള്ള ഒരുകൊച്ചുമിടുക്കന് പുതുജീവൻ പകർന്ന

ISWAJYOT

യമുനയും സമ്മതവും പറഞ്ഞു. അതോടെ ചെന്നൈ അപ്പോളോ ആശുപത്രിയിൽ ഡോ. രേവതിരാ ജ് 2019 ഏപ്രിൽ എട്ടിന് അനുരൂ പിൻെറ നട്ടെല്ലിൽനിന്ന് മജ്ജ എടു ത്തു. ഒട്ടുംവൈകാതെ കുട്ടിയിൽ മാറ്റിവെക്കുകയും ചെയ്യു.

സങ്കീർണ്ണമായ പ്രക്രി യയായിരുന്നു മജ്ജ എടു ക്കൽ. ഇന്ത്യയിലെ പതി നഞ്ചാമത്തെയും കേരള ത്തിലെ അഞ്ചാമത്തെയും ഇത്തരത്തിലുള്ള ദാതാവാ ണ് അനുരൂപ്.

ദാതാവും സ്വീകർത്താ വും തമ്മിൽ ഒരു വർഷ ത്തിനുശേഷമേ പരസ്പരം അറിയാൻ പാടുള്ളൂ. ആ

കാത്തിരിപ്പ് കഴിഞ്ഞദിവസം അവ സാനിച്ചു. ബെംഗളൂരുവിൽ മെക്കാ നിക്കൽ എൻജിനീയറായ സ്വരൂപി ൻെറയും ഭാവനയുടെയും നാലുവ യസ്സുള്ള മകൻ വിഹാൻ സ്വരൂപ് ആയിരുന്നു സ്വീകർത്താവ്. കുട്ടി പൂർണ ആരോഗൃവാൻ ആണ്.

അനുരൂപിനോടും കുടുംബ ത്തോടും കടപ്പെട്ടിരിക്കുന്നുവെ ന്ന് വിഹാൻെറ മാതാപിതാക്കാം പറഞ്ഞു.



അനുരൂപ്

സന്തോഷം. ഒരുവർഷംമുൻപാ ണ് മൂലകോശദാന രജിസ്ട്രിയായ ദാത്രി യുടെ ഫോൺ എറ

ണാകുളം അശമന്നൂർ പഞ്ചായത്തിലെ പാ ണശ്ശേരിൽ വീട്ടിൽ അനുരൂപ് എന്ന 23-കാരനെ തേടിയെത്തി യത്. വാഴക്കുളം വിശ്വ

ജ്യാതി കോളേജിൽ സം ഘടിപ്പിച്ച സാംപിരം ശേഖരണ പരി പാടിയിൽ അനുരൂപും സാംപിരം കൊടുത്തിരുന്നു. നാലുവയസ്സു കാരനായ ആൺകുട്ടിക്ക് തലസീ മിയ രോഗംമൂലം മൂലകോശം മാ റ്റിവെക്കേണ്ടതുണ്ടെന്നും അനു രൂപിൻെറ രക്തസാംപിളുമായി ഒത്തുവന്നിട്ടുണ്ടെന്നും ദാത്രി അറി യിച്ചു. തുടർന്ന് പരിശോധന കഴി ഞ്ഞു. അച്ഛൻ ആശോകനും അമ്മ







NAJYO

ENGINEERING & TECHNO

Vazhakulam P.O., Muvattupuzha-686 670, Kerala Tel: 0485 2262211, 2262255, 9496335522 Email:vjcet@vjcet.org, www.vjcet.ac.in



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This is to certify that

Hr. / Ms. Minna Shaji

has undergone the Bachelor of Technology Degree Programme in Electronics and Communication Engineering of M. G. University, Kottayam at this college during the period 2014-2018.

We wish him/her success in all future endeavors.

13th June 2018

PRINCIPAL Dr. Josephkunju Paul C






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Cielexala.

കത്തിൽ പുഷ്പ ങ്ങിൽ പങ്കെടുക്ക

ങ്ങിൽ പങ്കെടുക്കും. റഹാൽ, തേ

ജീവിതം തിളങ്ങട്ടെ മിന്നാമിന്നി പോലെ

🗾 മൂലകോശം നൽകാൻ ഇരട്ടകളുടെ സന്മനസ്സ്

പ്രതീഷ് ജി. നായർ

കോട്ടയം ● മിന്ന ചിരിച്ചു.. ഒപ്പംമിന്നിയും.. സംസ്ഥാനത്തിനു പുറത്ത് ഒരു കുഞ്ഞി ന്റെ ജീവന് ആ ചിരി വെളിച്ചമായി. സംസ്ഥാനത്ത് ആദ്യമായി ഇരട്ടകൾ മൂലകോശ ദാനത്തിനു സന്നദ്ധമായി എത്തി.

മൂവാറ്റുപുഴ ആനിക്കാട് ഷാജി നീരോ ലിക്കലിന്റെയുംഷൈനിയുടെയുംമക്കളാ യ മിന്ന ഷാജിയും മിന്നി ഷാജിയുമാണ് (രണ്ടാൾക്കും 24 വയസ്സ്) കോശദാനത്തി നായി മുന്നോട്ടു വന്നത്. ഒരാളിൽ നിന്നു ഉള മൂലകോശങ്ങൾ മാത്രം മതിയായതി നാൽ മിന്ന ദാതാവായി.

സംസ്ഥാനത്തിനു പുറത്തുനിന്നാണ് രക്താർബുദം ബാധിച്ച കുട്ടിക്കായി മൂ ലകോശം തേടിയത്. കോവിഡ് കാലമാ യതിനാൽ ദാതാക്കൾ വളരെ കുറഞ്ഞ സ്ഥിതിയായിരുന്നെന്ന് ഇതിനു നേതൃ ത്വം നൽകിയ ദാത്രി കേരള ഓപ്പറേഷൻ സ് ഹെഡ് എബി സാം ജോൺ പറഞ്ഞു. 2017 ൽ ദാത്രി സ്റ്റെംസെൽ റജിസ്ട്രി യിൽ ഇരുവരുംപേരു നൽകിയത്. കൊച്ചി

അമൃത ആശുപത്രിയിലായിരുന്നു കോശ ദാനം.

ഒരു തവണ നടപടി പൂർത്തിയാക്കി മട ങ്ങിയമിന്ന വേണ്ടത്ര സെല്ലുകൾ ലഭിച്ചിട്ടി



മിന്നയും മിന്നിയും കൊച്ചി അമൃത ആശുപത്രിയിൽ.

ല്ലെന്നറിഞ്ഞതോടെ വീണ്ടുംചെന്നു. ഒരാ ളിൽ നിന്ന് 2 തവണ കോശങ്ങൾ സ്ഥീക രിക്കുന്നതും സംസ്ഥാനത്ത് ആദ്യമാണ്. കാക്കനാട് ഇൻഫോപാർക്കിലെ

ഐബിഎസ് സോഫ്റ്റ്വെയർ സർവീ സസിൽ എൻജിനീയർമാരാണ് ഇരുവ രും. ''ദാനം ചെയ്യാൻ ആശുപത്രിയിൽ എത്തും മുൻപ് ആകെ ഒരു പേടി മാത്ര മേ ഉണ്ടായിരുന്നുള്ളൂ... സൂചി '' - വേദ നയുടെ മുനയൊടിച്ച് ഇരുവരും ചിരിച്ചു.





45. Awareness Talk On Blood Stem Cell Donation

The National Service Scheme unit of VJCET, Vazhakulam has conducted an awareness talk on blood stem cell donation on 26th January 2017 by Ms. Athulya, volunteer of DATRI Blood Stem Cell Donor Registry. About 50 NSS volunteers had attended the talk and had got awareness about the blood stem cell donation.





Fig: Awareness Class taken by Ms. Athulya at VJCET



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46. Sign Board Cleaning

The National Service Scheme unit of VJCET, Vazhakulam has taken initiative and cleaned signboards starting from Vazhakulam to Anicadu stretch of state highway-8.The programme was managed and conducted by NSS Program officers Mr. NibinB and Mr. Sharon Varghese. Around 35 volunteers came across for the cleaning.

47. Lionathlon : Sports Meet For Differently Abled

Lions club Muvattupuzha conducted a sports meet for the differently abled on 25th January 2017 for the kids from Ernakulam, Alapuzha and Kottayam districts. National Service Scheme volunteers of VJCET volunteered the event and the event was a great success. 40 NSS volunteers participated for the same.

48. Mobile Adalath

Mobile Adalath was organized by Kerala State Legal Services Authority, Muvattupuzha branch in the College Campus and an awareness talk was also conducted for the students on 10th January 2017.



Fig: Volunteers & Students at Mobile Adalath conducted at VJCET



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49. Annual Seven-Day Camp.

The Annual Seven Day Camp was conducted during 7th to 12th October, 2016 at Govt. Taluk Hospital, Thodupuzha. The camp witnessed the participation of 100 students from the two units of NSS and it reinstated various hospital equipments (cots, bed table, IV stand, Operation tables, Dialysis beds) worth 24 lakhs Rupees.



Fig: NSS Volunteers at Govt. Taluk Hospital Thodupuzha.

50. Koithulsavam

The National Service Scheme unit of VJCET, Vazhakulam successfully managed to conduct a Harvesting festival in the nearby paddy field of 1 acre on 05/10/2016. The program was arranged and proposed by Avoly Gramapanchayath and Krishi Bhavan of Avoly. NSS Program Officer Mr. Sharon Varghese, Mechanical Dept. HOD Mr.Vinoj K, along with 40 volunteers harvested and collected the paddy field.



Fig: NSS Volunteers at paddy field for harvesting

51. Gandhi Jayanti Celebrations

The National Service Scheme unit of VJCET, as a part of Gandhi Jayanti celebrations conducted cleaning at Muvattupuzha park on 2nd of October 2016. 50 volunteers participated in the cleaning programme of the park and surroundings.



Fig: Gandhi Jayanti celebration at Muvattupuzha Park

52. Blood Donation Camp

The National Service Scheme units of VJCET, Vazhakulam has organized Blood Donation camp in the college campus in association with Chaplain Technologies and Blood Bank Aluva. The Camp collected around 50 units of blood from staff and students of the college. 20 volunteers were actively volunteered in the blood donation camp.



Fig: Blood Donation Camp at VJCET

53. World Environmental Day

The National Service Scheme unit of VJCET, Vazhakulam celebrated the World Environmental Day on 5th June 2016 ,by planting tree sapplings in the campus.

The saplings were planted in the campus by Dr. Kuncheria P. Issac, Vice Chancellor, APJ Abdul Kalam Kerala Technological University, following which, tree saplings were distributed among the students.



Fig: Dr. Kuncheria P. Issac planting tree in the presence of VJCET officials and students





54. School Provisions Donation Drive For HIV Infected Students of Ernakulam

The NSS unit of VJCET jointly organized a drive for providing school provisions for the academic year 2015 - 16 for the HIV students of Ernakulam. The drive was launched at Viswajyothi College of Engineering and Technology on 18th of March 2015. School bags, water bottles, notebooks, umbrellas and book wrapping sheets worth Rs. 9000 were collected from the college. The donated items were handed over to the needy on 30th May 2015 in association with ENP+ Vihaan (Ernakulam Network of People living with AIDS/HIV) at Snehasena Auditorium, Kaloor.



Fig: VJCET Volunteers and Staffs with students at Snehasena Auditorium, Kaloor





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55. Awareness Class On Aids

The Red	Ribbon	Club	of	NSS	unit	of	Viswaj	yothi	College	of	Engineer	ing &
Technolog	y cond	lucted	ar	n aw	arene	ess	class	on	AIDS	on	18 th Jan	2016.

18/01/2016

REPORT

AWARENESS CLASS ON AIDS

The Red Ribbon Club of the NSS unit of Viswajyothi College of Engineering and Technology Vazhakulam conducted an 'AIDS Awareness' class for NSS volunteers on 18th of January 2016. The program was open for the NSS as well as the college students. The AIDS Awareness class was handled by Mr. Benjamin N. (ENP+ Vihaan, Positive Speaker). The class showed light on the present scenario of drug addiction in the state of Kerala. Various questions from the students on the topic of AIDS were also cleared by the resource person.

Jibby Peter D'cruz

RRC/NSS Programme Officer

VICET NSS PROGRAMME OFFICER UNIT No. 197 VISWAJYOTHI COLUE GETOFFINGS, & Tech). VAZHA KULAM P.O., ERNAKULAM - 686-870.

RISH Swathi Krishna

NSS Volunteer

/ Dr. Josephkunju Paul C. Principal VJCET



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56. Pothichoru Program

The NSS unit of Viswajyothi College of Engineering & Technology Vazhakulam conducted a 'Pothichoru Program' which delivered lunch packets to 36 inmates of 'Providence Home' on 1st of April 2016. Providence Home is an orphanage for mentally and physically challenged females.



Fig: NSS Volunteers of VJCET handing over the food items to Providence Home

The NSS unit of Viswajyothi College of Engineering & Technology Vazhakulam conducted a 'Pothichoru Program' which delivered lunch packets to 36 inmates of 'Providence Home' on 8th of April 2016.



Fig: NSS Volunteers VJCET handingover the food items to Providence Home



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57. Service Visit To Mithram Employability Center

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d to APJ Abdul Kalam Technological University

The NSS unit of VJCET organized a visit to the MITHRAM EMPLOYABILITY CENTER, a non-profit organization, at Arakunnam 18th December 2015. This is a registered charitable society founded in 1993 by a group of parents of mentally challenged persons with the objective of working to achieve total care and protection, education, vocational training and lifelong habilitation to persons with mental retardation, autism, cerebral palsy and multiple disabilities. The NSS volunteers had an interactive section with the occupants. They shared their life experiences, struggles faced by them, their concept about life, their dreams, hopes and aims. The inmates of the center were multi-talented and showcased their dance and musical performances. The volunteers also presented their talents through songs and dance to the children. NSS volunteers bought books worth Rs.3500 from them with the intent of distributing in the college.



Fig: NSS volunteers Interacting with the occupants



Established in 2001



NSS ACTIVITY REPORT

(July 2015-June 2016)

58. Service Visit To SOS Village

21/12/2015

REPORT

SERVICE VISIT TO SOS VILLAGE

The NSS unit of VJCET organized a visit to the SOS VILLAGE, an organization, at Aluva on 21- December 2015, SOS children's village Cochin was established in 1989. The village is spread over an eight and half acre area of beautifully landscaped land and uses materials well suited to the local climate and environment. The NSS volunteers had an interactive section with the staff of the children's village.









Fig: NSS Volunteers at SOS Village



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59. Energy Conservation Awareness

The National Service Scheme unit of VJCET conducted an Energy Conservation Awareness program on 11th of December 2015 in the nearby locality of Vazhakulam. The main aim of the program was to inform the people, the need for reduction of electricity consumption and to use energy efficient devices like LED bulbs. Leaflets indicating the energy consumption of household appliances were also distributed.



Fig: NSS volunteers giving Energy Awareness to the people





60. Pothichoru Program

The NSS unit of Viswajyothi College of Engineering & Technology, Vazhakulam conducted a 'Pothichoru Program' which delivered lunch packets to 35 inmates of 'Providence Home' on 9th of October 2015.



61. Service Visit To Mother & Child Foundation

The NSS unit of VJCET organized a visit to the Mother and Child Foundation, a charitable organization, at Mylakombu on 29th August 2015. The foundation which provides shelter and education to 160 homeless children were founded by Mr. Thomas Myladoor. The NSS volunteers had an interactive session with the children. They shared their life experiences, struggles faced by them, their concept about life, their dreams, hopes and aims. The inmates of the orphanage are multi-talented and showcased their dance and musical performances. The volunteers also presented their talents through songs and dance to the children. Sweets were also distributed.



Fig; NSS Volunteers interacting with children of Mother and Child Foundation

62. Pothichoru Program

The NSS unit of Viswajyothi College of Engineering & Technology, Vazhakulam conducted a 'Pothichoru Program' which delivered lunch packets to 35 inmates of 'Providence Home' on 4th of September 2015.



Fig: NSS Volunteers VJCET handing over the food items to Providence Home







63. Service Visit To Mitram Employability Center

NSS unit of VJCET organized a visit to Mitram Employability Center a nonprofit organization at Ayarkkuannam on 13th Nov 2015.

13/11/2015

REPORT

SERVICE VISIT TO MITHRAM EMPLOYABILITY CENTER

The NSS unit of VJCET organized a visit to the MITHRAM EMPLOYABILITY CENTER, a nonprofit organization, at Arakunnam 13th November 2015. This is a registered charitable society founded in 1993 by a group of parents of mentally challenged persons with the objective of working to achieve total care and protection, education, vocational training and lifelong habilitation to persons with mental retardation, autism, cerebral palsy and multiple disabilities. The NSS volunteers had an interactive section with the occupants. They shared their life experiences, struggles faced by them, their concept about life, their dreams, hopes and aims. The inmates of the center are multi-to and showcased their dance and musical performances. The volunteers also presented their talents through songs and dance to the children. NSS volunteers bought books worth 25,2000 from them with the intent of distributing in the college.

Voluntee



Principal



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64. Class Against Drug Abuse

The NSS unit of VJCET and the Excise Department of Muvattupuzha, jointly organized an awareness class against drug abuse on 30th October 2015 for the third semester students of the college. The awareness class was held at the main auditorium of the college. The programme started with the inaugural function. Inaugural address was given by Mr. K Suresh kumar (Deputy Commissioner of Excise, Ernakulam). Mr. Mathew Kurian (Circle Inspector of Excise, muvattupuzha) felicitated on the occasion which was followed by the awareness class of Mr. T A Ashok Kumar (Circle Inspector of Excise).



Fig: Inaugural function of class against drug abuse at VJCET





65. 2015 – 2016 Pre-Camp Orientation For NSS Volunteers

An orientation class was conducted for the NSS volunteers enlisted for the Special Camp to be conducted on October 16th, 2015 in the college campus. Proper instruction and guidance for the 7 day camp were given to the volunteers by Dr. Josephkunju Paul C (Principal), Prof. Jose. P. Varghese (NSS Prof-in-charge) and Mr. Jibby Peter D'cruz (Program Officer).





Fig: Pre Camp Orientation programme at VJCET



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66. Pothichoru Program

The NSS unit of Viswajyothi College of Engineering & Technology, Vazhakulam conducted a 'Pothichoru Program' which delivered lunch packets to 36 inmates of 'Providence Home' on 6th of November 2015.



Fig: NSS Volunteers VJCET handing over the food items to Providence Home

67. Exhibition On Clean Green And Health Care Products And Technologies (In Association With Renewable Energy Centre 'Mithradham')

The National Service Scheme unit of VJCET conducted an exhibition on October 1st 2015 in the college main auditorium. The exhibition conducted as a part of Vijnanayathra, the "Suchithwa Bodhana Yajnam 2010-2025" with a vision 'Clean green and healthy Ernakulam district in 15 years' was mainly intended for first year students. Five industries namely JAGS IMPEX, Agri Enterprise, SB Solar &Wind, Hykon India Pvt. Ltd. Solgen Energy Pvt. Ltd and Green Method Engineering Pvt Ltd. with cleaning, greening, energy efficient, renewable energy and health care products and technologies have showcased



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Vazhakulam P.O., Muvattupuzha-686 670, Kerala Tel: 0485 2262211, 2262255, 9496335522 Email:vjcet@vjcet.org, www.vjcet.ac.in



their products and services. The students were also able to interact with the company representatives.



Fig: Exhibition of Clean Green and Health care products at VJCET



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68. NSS Day Activity: Street Play On Social Issues

The National Service Scheme unit of VJCET conducted a street play in the college as a part of NSS day celebration 2015 on 23/09/2015. The street play emphasized on creating awareness about many socially relevant issues such as importance of promoting bio-farming, religious issues and increasing drug abuse among youth. 10 NSS volunteers enacted the play and the message was conveyed successfully to the students of the college.





Fig: Street play on social issues at VJCET





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69. Pothichoru Program

The NSS unit of Viswajyothi College of Engineering & Technology Vazhakulam conducted a 'Pothichoru Program' which delivered lunch packets to 36 inmates of 'Providence Home' on 13th of November 2015, 12th of February 2016 and 19th of February 2016.



Fig: NSS Volunteers VJCET handing over the food items to Providence Home



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70. Social Service At Kripanilayam Destitute Home

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On 15th August 2015, being the Independence Day of our country, the NSS unit of VJCET after hoisting the national flag in the college campus, actively participated during the course of construction of Kripanilayam Destitute Home, Thekkumala. The Destitute Home construction was initiated by the congregation of Holy Family of Sisters and its inauguration was conducted on 3rd September 2015. The volunteers were blessed to be part of this humanitarian effort which consisted of whitewashing, painting and cleaning. The volunteers were enthusiastic and actively took part in this social service.



Fig: NSS Volunteers working at Kripanilayam Destitute home.





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71. Blood Donation Camp

NSS unit of VJCET conducted in the college in association with IMA Blood Bank Thodupuzha on 28th of July 2015.





Fig: Students and staff of VJCET participating in the Blood donation camp at VJCET



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72. Tree Plantation Campaign

A Tree Plantation Campaign was conducted on 13/7/15 by the NSS unit of our college. The primary aim of the program was to create awareness about the importance of tree plantation among staff and students. 400 Neem saplings were distributed to every employed staffs of the college and NSS volunteers. Saplings were planted in the college premises also.





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73. Blood Donation & Organ Donation Survey

The National Service Scheme unit of VJCET, Vazhakulam successfully managed to conduct a survey on 10/07/15 in the nearby locality of Vazhakulam and collected the details of people who were willing to donate their blood as a part of a service to the needy. 150 blood donors came forward to enlist and 70 came with a kind heart to donate their organs after their death. Thus the registration of 70 organ donors and 150 blood donors were obtained on that day.



Fig: NSS Volunteers during the survey of Blood and Organ Donation Campaign





74. House-To-House Awareness On Adulterants Used In Food Ingredients

The National Service Scheme unit of VJCET conducted an Energy Conservation Awareness program on 6th of February 2016 in the locality of Vazhakulam. The main aim of the program was to inform the people on the presence of adulterants used in food ingredients and how to detect it using conventional methods. Leaflets indicating some of the popular adulterants used were also distributed.



Fig: NSS Volunteers during the house to house Awareness Campaign



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75. United Nations Academic Impact – ASPIRE Report on 'Solar Panel Project'

"The United Nations Academic Impact (UNAI) is a global initiative that aligns institutions of higher education with the United Nations in furthering the realization of the purposes and mandate of the Organization through activities and research in a shared culture of intellectual social responsibility".

VISION

Brilliance in social activities and research that promote prosperity and economic opportunity, greater social well-being, and protection of the environment.

MISSION

- To offer state of art, path forward for improving the lives of nearby people.
- To undertake collaborative projects with government for the welfare of the society
- To instill ethical, social and environmental perspectives for the sustainable development of the community.
- To nurture imagination, Intellectual social responsibility and interpersonal skills among students
- To promote technical knowledge sharing culture and coordinate humanitarian relief operations.

1. Introduction

United Nations Academic Impact and its students chapter ASPIRE is functioning in VJCET for the last 2 years. A governing body led by faculty members and students is coordinating the activities of UNAI in VJCET.As a part of the activities of UNAI, this





year the members decided to donate solar panels to three families who doesn't have electricity connection. The details of this project are given below.

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2. Project Description

On behalf of UNAI ASPIRE VJCET chapter, the executive committee visited the families in Mamalakandam at Kothamangalam on 5th August 2020. They found that these families were struggling without electricity connection. Moreover, they were also affected by regular attacks of wild elephants as human-elephant conflicts are a regular feature in this area. Their houses were destroyed a few months ago due to these attacks.

The committee decided to donate 3 units of solar panel sets to three of these families as an aid. The student coordinatorRon Ellickal along with 3 other members - Alan Jo K (S5 CS), Harishankar (S5 ME) and Basil Basil Eldhose(S5 EEE) installed these panels on 8Th November 2020.

The deserving families were selected based on the below criteria:

OYIAW

ENGINEERING & TECHNOLOGY

- i) Under below poverty line
- ii) Doesn't have Electricity Connection.
- iii) Families with students those who are unable to attend online classes due to lack of facilities like electricity and electronic gadgets.

As per the instructions from Dr. K K Rajan Sir (Focal Point, UNAI ASPIRE VJCET), the student coordinator Ron Ellickal and the committee members had visited the place and collected the details. Antony John MLA had visited the place and said that it was also decided to seek immediate assistance from the tribal and forest departments for maintenance of their houses. They do not have electricity connection and therefore children are unable to attend online educational platforms regularly.

The details of families are:

- 1. Animon Jeevan.
- 2. Anu Mohan
- 3. Mahalakshmi Anikuttan

The details of amount spent are:



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- 1. Solar panel unit price- 4000/set.
- 2. Total Amount- 12,000/-

Amount collected from Execom Members: 2000/-Amount withdrawn from UNAI account: 10,000/-

This project dealt with SDG Number 1 (No poverty), SDG Number 7 (Affordable and clean energy).



Fig.: Installing Solar Panels for the Three Families in Mamalakandam at Kothamangalam







THE SOCIAL EXTENSION ACTIVITIES ORGANIZED UNDER UNAI

United Nations Academic Impact and its students chapter ASPIRE is functioning in VJCET from 2017 onwards. A governing body led by faculty members and students is coordinating the activities of UNAI in VJCET.

76.DONATION DRIVE

The UNAI-ASPIRE chapter of VJCET conducted a Donation Drive among the students of our college and collected around 460 notebooks which were distributed to the poor students of Government LP School, Kavana.

Donation drive was from January 28th 2019 to January 31st 2019.



Fig.: Donation drive at Government LP School, Kavana





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77.FLOOD RELIEF PROGRAM

A Flood Relief programme was organized at Muvattupuzha on 27th August 2018, to rebuild different areas of Muvattupuzha town. All basic cleaning processes were done by our student volunteers. Around 45 students volunteered.



Fig.: Flood relief activities





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78.ORPHANAGE VISIT

A visit to Providence home, a home for Physically and Mentally Challenged Females in Nadukkara, Vazhakulam was organized o 12th September 2018 and food was distributed to them.



Fig.: Visit to Providence Home, Nadukkara

79.MEDICAL CAMP

On behalf of the World Health Day, a medical diagnostics camp was organised in association with Lions Club of Vazhakulam and Neethi Diagnostic Centre Thodupuzha on 7th April 2018.



Fig.: Medical Camp

80. SMART CLASSROOM AMONG THE WOODS Project Report

Kunjippara Tribal Settlement Colony School, Kuttampuzha

Viswajyothi College of Engineering and Technology Vazhakulam, Muvattupuzha

I. Project Information

Name of Project:	SMART CLASSROOM AMONG THE WOODS			
Which SIGHT group are you affiliated with?	IEEE SIGHT VJCET ,Viswajyothi college of Engineering and Technology,Vazhakul, ,Muvattupuzha			
Current Status of Project	• Completed			

Executive Summary of Project	Kunjippara tribal settlement is located deep inside woods of Kuttampuzha and can only be accessed by crossing the river and travelling through the forest. The project team consists of 17 IEEE student members as core members and 11 IEEE volunteers with the guidance of experienced faculties of our college. The student members attended workshops in the related areas of the project. It enhanced their knowledge of the working of solar panels. The students also visited the solar system of our college. The students build up a solar panel with 2kW for the project. Our project implemented a smart classroom which includes projector and laptops for the students in Kunjippara. It is the only option for the students from the pre- primary level to degree level, utilized this facility since no one can learn by going to educational institutions.
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II. Proposal Focus

1. Need Addressed.

Make education more inclusive and accessible to children in the backward community in Kerala to ensure equitable and quality education and promote life long learning opportunities to them by strengthening the Tribal settlement school to a smart and green classroom.

Some students are in a Government Residential school in Town, which is far from their settlement.

They are staying in a Government Hostel. But it is not practically possible to send their kids of age below 10 to residential schools. The children denied an education. While we were talking to the people and government officers, they confirmed that the solution is strengthening the multi-grade learning centre (Single teacher tribal settlement school). Currently, the children of age from 10 are students at residential school. As per our education scheme, the school curriculum starting from the age of 4. Due to a lack of facilities in their settlement, these tribal students lose their valuable years.

Also, they are speaking an indigenous language that is slightly different from our mother tongue-Malayalam. After successful implementation of our project, SMART CLASSROOM AMONG THE WOODS, they get a better education from childhood onwards. It helps them to learn in the best ways from their bud stage.

There is no school in the forest other than the tribal settlement school (multi-grade learning centre-it is a centre that provides education to children up to 4th standard by a single teacher).

Now Smart classroom among the woods became the only learning hub for the Kunjippara tribal settlement colony in the lockdown time.

2. Overall project objectives.

To inspire and support the students from backward communities to create a career goal in their mind and provide financial and mental support to them. Thus, to achieve their goal by providing better educational facilities to them. The project will allow them to understand more about society and technology. Provide distant learning facilities to them. It is a remote tribal village where no access to electricity or other facilities. It improves the technical skills of IEEE volunteers by providing a learning platform. It creates awareness among volunteers about the need for conservation of natural resources and effective utilization of energy for future generations without compromising the need for the present generation to grow up.

The objectives of the program are well suited to the theme of 2019 international Youth Day-Transforming education.

The project highlights to make education more inclusive and accessible for the children who denied of education due to some reasons through this project we overcome that and transforms education so that it becomes a powerful tool to achieve the sustainable development goals.

Provides facilities which help to provide quality of education, it is the fundamental tool for sustainable development.

3. Did you achieve your expected objectives? Did everything go as planned? What happened differently than you expected? Please elaborate.

We achieved more than we expected.

Kunjippara is a tribal village in Kuttampuzha Grama Panchayath which does not have access to electricity. Due to this, they have faced difficulties. We are happy that our project had become the sole source of electricity for the people in Kunjippara tribal settlement. The project turned out to be more useful during the covid'19 pandemic, 110 students depending on this project for attending their online classes. Also, it promoted learning among students, became keen in their studies since they were able to understand the concepts more effectively through visual aids. The maintenance of school has also done, results in providing a good learning atmosphere and safety for the students.

Implementation completed as planned, due to COVID Inauguration and post visits conducted as per the protocol.

4. Alignment with Objectives of IEEE SIGHT & Sustainable Development Goals (SDGs).

We provide the benefits of solar energy harvesting technology, development of computers and digital world to Tribal students who denied the primary level of education due to lack of sufficient infrastructure.

SDG 4- Quality of Education: Provide high-quality education through connecting with the world. the visual and audio learning helps them to learn effectively

SDG 7-Affordable and Clean Energy: It is solar energy powered SDG 10-Reduced Inequality: Equip them to grow up (development multiplier)

III. End-user Engagement

1. Beneficiary community.

Kunjippara tribal settlement school is located in Kuttanpuzha Panchayath in Kothamangalam Taluk in Ernakulam district. There is no school in the forest other than the tribal settlement school (multi-grade learning centre-it is a centre that provides education to children up to 4th standard by a single teacher).

2. Community engagement during proposal concept development.

We get all support from local people – Kunjippara tribal settlement and local administrative officekuttampuzha panchayath from the initial stages of concept development and continues to ensure it's sustainability.

3. Role of stakeholders in implementation.

Communication has a key role in solving a problem. This project would be possible only with the support from the local community and panchayath officials of Kuttampuzha. They took time in conveying the problem we could generate various solutions. Installing solar panels for power requirement for running the school was our aim. The level of dedication people gave helped us during challenges like transportation which is crucial for an area like Kunjippara. The locals gave their undivided attention to help us with transportation. The installation works completed with the collaborative effort of IEEE SIGHT volunteers and with the local community support. Local community leaders and administrative offices help to get all possible supports from Kerala Forest Department and transportation through the forest areas.

We hand over the project to local government – Kuttampuzha panchayath. Now it is an asset to them and they ensured the sustainability of the project in addition to our inspections. The maintenances and further improvement are taken cared for by them through the local government.
IV. Expected Impact & Sustainability of Project Outcomes

1. Project outputs and contribution to long-term outcomes.

NOTE: Outputs = quantitative summary of an activity, deliverables such as technology/prototype(s) developed or installed, trainings imparted, partnerships created, etc. Outcomes = consequences and conditions that occur as a result of the change that outputs measure.

Project Outputs	Short-term outcomes	Mid-term outcomes	Long-term outcomes
Installed 2 KW solar panels at the school; Lighted conditions for approximately 6 hrs	Time of lessons increased; Extra time for individual attention and doubt clearing	Students get the opportunity to pass out of primary education to study further	Kids from approximately 50 families get a primary education and therefore a higher chance of livelihood
Wiring for the entire school building done; Better appliances installed	The students will be exposed to lesser danger due to faulty appliances or broken wires; Better conditions for students to sit and study in	Students do not damage their eyesight due to improper lighting; Additional appliances ensure an interactive and interesting class	More students pass out of school; Grades improved due to better conditions to study in; More students attracted to the interactive way of teaching and learning
Minor construction and repairing work done; Painting and fixing up of walls and cleaning up of surroundings	Class gets livelier and more interesting	Good infrastructure provides better chances of graduating and better quality of education	More students pass out of school and education provided is of good quality and life oriented
Provided basic knowledge about how things operate; Basic education about solar panels and the appliances	Provides them with knowledge of how things work and hopefully instill a sense of curiosity in the	Can do basic repairs by themselves; Teacher can handle things in case of a fault or a	The money and manpower saved by doing basic repairs can be used to further the infrastructure of the school

used in the school	kids	small accident; Money saved and	
		experience gainea	

2. Plan for measuring project outcomes.

Measuring the success of the project is done by the analysis of the achievement goals. Outcome of project is measured by accounting the new admission to the school, and also by taking the dropout from school. The ultimate success of the event reaches to the society when the students grew up. It is done by measuring the position of the students after education and value of the project, works done by these students to the entire humanity and world.in immediate assessment is done by measuring the number students joined in school, and check it with previous year admission status and also measuring the improvement in Literacy rate. The project increases the standard of living and also by measuring the educational standard of students, The quality of education helps them to learn quickly and effectively. It will mould them with good human values and skill.it also increases the standard of living.it helps them to dream big, and sets goals and gives confidence and courage to follow passions to achieve goals. We can also measure the outcome in the long term by checking the number of students joined in colleges, the domain of their studies, an achievement that they gained, scholarships that they received etc .it's outcome will be reflected on the job that they earned after their studies.

3. Potential for replicating or scaling project outcomes.

The project has a strong potential for replicating and scaling up.. On the same time get the same request from Usha teacher of Thalavechupara Tribal school, (Similiar school in Kuttampuzha Panchayath). She also requested to implement the same project on their school where the condition is similar to Kunjipara School. we planned to visit and conduct survey Thalavechupara. There are some areas, many children denied education in the world due to lack of facilities, the project will act as a gift to the children.

4. Proposed technology and relevance to local environment.

We IEEE SIGHT volunteers visited the Kunjipara village and collect maximum information, problems that they face and all essential details for the project. we also visit the school and calculated the energy requirements in the school and also check the geographical and environmental aspects for the installation of solar panels with the expert team consists of faculties, technical staffs who have years of experience in the installation of solar projects, forest officers, local administrative officers and local community people. Along with we estimated the cost and decided specification of panels and other components. the location is suitable and feasible for the installation, We arranged a training session from the expert faculties and technical staffs in our Electrical Engineering department who have experience in the field about the fundamentals of solar energy and electrical wiring conventions in Kerala. The training emphasizing the importance of safety, maintainability, and sustainability of the system. In this project we installed solar panel as per the required angle to get maximum efficiency as per the standards, regulation and topography of the land, the generated electricity stored in the battery after proper conversion and passing through the inverter and other components as per prefabricated design under considering safety and sustainability factors. After proper electrical wiring of building with the

help of expert technicians and faculties, we provide tube lights and basic devices to school and also connect the laptop, projector, audio systems etc to enhance learning systems. At the end of the installation, we will arrange a small ceremony with representatives of the local community where the importance of the community education and value of the solar system will explain in most excellent way, We also provide basic repairing tool kit and the manual of its operation which we created to them.it is a 2KW off-grid solar installation project is to provide electrical power for the smooth running of Laptop, projector, speaker system .

5. Dissemination of achievements and lessons learnt.

- To develop cost effective and sustainable solution to problems.
- As an Engineering student ,learned the difference between the textbook knowledge and pattern
- Learn to know and practice standards
- Learn the misery life of underserved communities and the impact of the solution on their life
- team work and how to cooperate with our colleagues and local people

understood that we people are living in luxuries when compared to them. This thought awakened the entire team work for them for a better future.









IEEE SIGHT







81. LET'S UNCHAIN IT



IEEE R10 SPECIAL CALL FOR COVID-19 FUNDED PROJECT

IEEE STUDENTS BRANCH, STB-64351

VISWAJYOTHI COLLEGE OF ENGINEERING AND

TECHNOLOGY, VAZHAKULAM

ABSTRACT

Covid pandemic is increasing day by day. The simple and effective way to fight Covid 19 is washing hands properly without touching the bottles. Hospitals are always crowded with people , even in this time. So it is important to implement automatic Hand Sanitizer and Tap in order to prevent from touching, as the part of Break the chain.

Our project Let's Unchain It, is at Government Taluk Hospital, Muvattupuzha where the chance of spreading is high. It is one of the major health care providing institutions in Idukki and Ernakulam Districts. Providing Automatic hand sanitizer and automatic tap will help people to avoid spread the virus. The hospital consumes of around 266 bed and providing medical care for around 900 patients in the O P Department and an average of 350 patients are being given treatment as inpatients, and an average of 8 deliveries are being attended daily. Operation conducted per day 40-50. The total human resource strength of the institution is 183 of which 20 are doctors of different specialties.During the period of COVID — 19 pandemic diseases, doctors are to examine each patient after washing their hands. Govt. are not supplying automatic hand wash dispenser and due to the high expense of it in the open market, they facing the difficulty to purchase it. Sanitizing our hands without touching things are the best prevention method during this pandemic.

INTRODUCTION

During these pandemic times, hospitals act as both our shields as well as death traps. A shield because it protects and saves us from the microscopic demon that Corona virus is. A death trap because it is one of the most easiest places to catch the disease if you've already not been infected. To counteract spreading of the virus from hospitals, IEEE members of the kerala section are bringing automatic sanitizer dispensers and water taps to these areas. This, we believe, will decrease the spreading of corona virus and other deadly microscopic beings and hopefully make a dent in this never ending pandemic.

PHASE:1

IEEE PES YP, Kerala Chapter organized a Robo Sanitizer Challenge and also technical workshops and training in which some of the members of the IEEE VJCET SB participated. The prototype models which were created during the event was implemented at the Government Taluk Hospital, Adimali. IEEE VJCET SB had applied to implementing more automatic sanitizer and automatic taps which were funded by IEEE HAC & SIGHT Special Call for Project Proposals.



(a) Prototype Tap

(b) Prototype sensor

PHASE:2

Improving of the prototype and giving training to the student members of IEEE SB VJCET. The prototype was improved by new sensors and 3-D printed models in a professional working model. Applied and got funded from IEEE R10 2020 Special Call for Proposals related to COVID-19. The project was named "Let's Unchain It".



(c) Automatic Sanitizer Circuit Explained

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PHASE:3

The components was brought and product was built successfully. The product was in good working condition. The products were installed in Government Taluk Hospital, Muvattupuzha by student members of IEEE SB VJCET. The hospital was visited for checking the condition of the products and was found working in good condition.



(a) Fixing of automatic Hand sanitizer

(b) Automatic Hand Sanitizer



(c) Electric Works



(d) Automatic Tap

TIMELINE

23/03	IEEE PES YP, Kerala Chapter organized a Robo Sanitizer Challenge and also technical workshops and training.

- 05/04 First model implementation in Government taluk hospital, Adimali, Kerala
- 23/06 Got funded for IEEE HAC & SIGHT Special Call for Project Proposals.
- 24/06 Improving first model in to professional model.
- 30-06 IEEE R10 2020 Special Call for Proposals related to COVID-19.
- 15/08 Winner of IEEE R10 2020 Special Call for Proposals related to COVID-19.
- 15-18/08 Training and virtual workshops given to our teammates.
 - 20/09 Working Models Ready.
 - 25/09 Implemented at Goverment Taluk Hospital, Muvattupuzha
 - 17/10 Site Visit to check working condition and verified

TO WATCH IMPLEMENTATION VIDEO: LET'S UNCHAIN IT

TEAM MEMBERS



Anish M Jose, Branch Counselor

Jetson Joseph, Chairman Basil Eldhose, Vice-Chair, PES SBC



Allen P Biju, Chairman, CS SBC

, Albin Paul, Past BC Chairman, SIGHT SB

Govind V Shenoy, Vice-Chair CS SBC



Uthara Pradeep, Chairperson, PES SBC Devika Suresh, Content-head SB



Ananthakrishnan S Nath, Chairman, SIGHT SB

Invoice				
Item Name	Quantity	Rate(Rs)	Tota(Rs)l	
TSOP sensor with PCB	3	480.00	1,440.00	
12v, 3A Power Sup- ply	3	250.00	750.00	
20mm PVC	10	32.00	320.00	
Plug and Switch combo	6	190.00	1,140.00	
1 sq wire RR	1	800.00	800.00	
30 meter 1sq wire vguard	30	11.00	330.00	
20mm saddle	30	3.00	90.00	
6mm Plug	1	80.00	80.00	
3/4" dry wall	100	1.50	150.00	
20mm flexi- ble pipe	10	25.00	250.00	
Wire tie 250	1	250.00	250.00	
Automatic Sensor Tap	3	4,200.00	12,600.00	
Neptune Cabin	3	3,150	3,150.00	
Solinoidal Valve	4	230.00	920.00	
Tube 1/4	10	12.00	120.00	
Steam elbow	15	5.40	81.00	
Bulk Head	15	12.00	180.00	
Fliter Hosing elbow	15	12.50	187.50	
Inlet Valve	3	50.00	150.00	
Petrol	14.55ltr	82.50	1,200.00	
TAX			3,241.82	
GRAND TOTAL(Rs):- 20,732.00				

COST OF COMPONENTS

TO SEE THE INVOICES: LET'S UNCHAIN IT INVOICES.

CONCLUSION

The virus is typically spread from one person to another via respiratory droplets produced during coughing or spread from touching contaminated surfaces and then touching one's face. The recommended measures to prevent infection include frequent hand washing, social distancing (maintaining a physical distance from others), and keeping hands away from the face. "Let's Unchain it" project helps people to avoid contact in hospital where the spread of the disease cannot be determined. Our products use the latest technology so it will last for years, ensuring people get some relief. The project was successfully implemented in Government Taluk Hospital, Muvattupuzha by IEEE VJCET STUDENTS BRANCH.





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DEPARTMENT OF MECHANICAL ENGINEERING REPORT-SOCIAL EXTENSION ACTIVITIES

82. One day workshop on "PRACTICAL PHYSICS" for plus two students.

Department of Mechanical Engineering organized a one-day workshop for selected plus two students from various higher secondary schools on practical "PRACTICAL PHYSICS". The department staff members demonstrated and explained working of different mechanical engineering laboratory equipment.



Fig: Students participating PRACTICAL PHYSICS programme at VJCET



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83. "GYANODAY"

It is technology enrichment and training program for Ayavana technical school students on AutoCAD 2D & 3D.The Department of Mechanical Engineering has been conducting this programme in every year from 2014 onwards.



Fig: Inaugural function of GYANODAY at VJCET

To intro OCAD To give the students hands on t drafting using AutoCAD software ve the Academic social resp lo impro ente echanical engineering dep n Ou

- 1. Students will get a very good introduction 2D drafting and about AutoCAD software
- Students will get hands on practical se n the various aspects of AutoCAD and how to te their own AutoCAD drawings ademic Social Responsibility i The A

separtment will be imp myed

DISCOVER AND ENLIGHTEN @VJCET

Turnet	
Tuesda	Y : 31ST JULY 2018
venue	MED CAD LAB
9.30 am to 10.00 am	: Inauguration
Prayer	
Welcome Speech	: Mr. Vinoj K, HOD, MED
Presidential Address	: Dr. Josephkunju Paul C. Principal. VJCET
Message and Inauguration	on: Rev. Dr. George Thanathuparambil, Director, VJGET
Felicitations	
Vote of Thanks	
Technical Sessions	: Mr. Nixon George
10 am to 11.00 am	: Training on Basic computer knowledge
11.00 am to 12.45 pm	: Training on AutoCAD 2D
2.45pm to 1.30pm	: Lunch
1.30 am to 4.00 pm	: Training on AutoCAD 2D
Wedn Ver	esday - 1st August 2018 nue: - MED CAD LAB
9.30 am to 12.45 pm	: Training on AutoCAD 2D
12.45pm to 1.30pm	: Lunch
1.30 pm to 4.15 pm	: Introduction to AutoCAD 3D





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വിശ്വജ്യോറി **എൻജിനീയറിംഗ് ്രോളജി**ലെ 'ഞ്ഞാനോദയ്' ശ്രദ്ധേയമായി

വിലംബുളം വിശ്യവുടെ എൻജി നിലനിന് പേരുത് താണനിക്കും വിഗോത്തിന്റെ മുടിരുവ്യത്തിൽ ടെക്തിക്കാര് നികാര് നിരുമന്തികാര്ക് നുതന നിലം പോല്കാനത്ത് നുതന സയൂറപകരായ ഭരം.പി ഭൂശ്വിവീതിന്കുമാർ, മാറ്റെട്ടി

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രോം. പി ചെം നിഷ്ടത് സ്മപ്പര് ജയം എന്നാവഴ്ഞാനും നയ്കി മാകപ്പെട്ടി അധ്യാപകയോം വി. പി. പോഷ്, പി

Deepika News Paper Jaja 1000 mb "

84. "SANTHVANAM 2K19" Social Service programme at Christhyraja Prayer

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Centre, Piravom.

The Department of Mechanical Engineering organized a social service program at CHRISTHURAJA PRAYER CENTRE, KAKKAD, PIRAVOM.





85. Inauguration of HONESTY SHOP

"Honesty shop", a new initiative by the Social Service Club, Department of Mechanical Engineering was inaugurated on 14/02/208. Honesty shop is a set up where Students are left to pick stationery items on their own and drop the money in coin boxes without anyone to monitor.



Fig: Inaugural function of "Honesty shop" at VJCET





86. UDYOGA'18 – Technology Enrichment Programme

Department of Mechanical Engineering conducted a technology enrichment programme for the Kudumbasree officials from Avoly Gramapanchayath on 2nd August 2018.



87. Distribution of Medicines and Bed sheets at GENERAL HOSPITAL Ernakulam.

Social Service club of Department of Mechanical Engineering organized Social service programme at GENERAL HOSPITAL Ernakulam.



Fig: Distribution of Medicines and bed sheets at General Hospital





Established in 2001

88. Collection of Unused plastic bottles and Plastics Waste

Department of Mechanical Engineering organized a Social service programme at Avoli Gramapanchayath. The volunteers collected unused plastic bottles and plastic waste from all wards of panchayath.



Fig: Volunteers participating in bottle collection programme

89. Social Service Activity at Anikad MEDICAL HEALTH CENTER

Social Service Club of Mechanical Engineering Department conducted a service programme at Anikad medical centre and Avoly grama panchayath office premises.



Fig: Students participating the cleaning of Medical Center & Panchayath office





90. "SANTHVANAM" Social Service Programme at Marayoor

The Department of Mechanical Engineering organized a social service program at Kummittamkudy Tribal Colony, Marayoor on 11thNovember 2017. The volunteers distributed food items, dress and toys to poor people of tribal colony.



Fig:Volunteers at Kummittamkudy Tribal Colony

91. One Day Social Service Project at INCHATHOTTY

Social service club of Department of Mechanical Engineering organized one day social service project at Inchathotty. The project contained maintenance, welding and painting of Inchathotti suspension bridge.



തൂക്കുപാലത്തിന് അറ്റകുറ്റപ്പണികളുമായി എൻജിനീയറിങ് വിദ്യാർഥികൾ

വാഴക്കും. ഇലേരത്താട്ടി തുക്കുപാലത്തിന്റെ താര് എന്ജിനിയറിൽ കോളജ് മെക്കാനി മാഴക്കും. ലാലത്തിന്റെ പാലത്തിന്റെ താര് എന്ജിനിയറിൽ കോളജ് മെക്കാനി മാര് എന്ജിനിയറിൽ കോളജ് വിദ്യാർവിൽ ഇ കൂട്ടമും കലോയത്തിലെ സാസികളും പാലം സമർശിക്കുകയും തുരും,റ്റപ്പ പായന താനങ്ങാർമായില് നിവാസികളും പായന താനങ്ങാർമായിന്ന് ഈ തുരുപാലം തേരിമെ സമീപിക്കുകയുമയിന്റെ അനു പായന താനങ്ങാർമായിന്നെ ഈ തുരുപാലം തേരിമെ സമീപിക്കുകയുമയിന്റെ അനു പാലുവർഷങ്ങൾക്കുമുമ്പ് ചെയ്യാനിലെ പികൾ എന്നിന്തുമായി മെക്കാനികൾ എന്മി തിൽ തുക്കുപാലം നിർമിള്മ് ചൊയുമേലാം സ്മാപനായ കെൽ കമ്പനിന്റെ നിയ്യമാണത്തിലെ ക്കോലത്തിന്റെ ഡികൈ എന്നിന്നെ പേണ്ടും പ്രത്തിന്നെ സമീപിക്കുകയുമയിന്നെ മുത്തി തുരേഷപം ഉയർന്നിന്നെ. നിർമായിനെ ഇന്ത ആക്ഷേപം ഇത്തിരുന്നു. നാലു വർഷങ്ങൾ മാത്രം പഴക്കുള്ള പാലം അപ കടഭീഷണിയിലാണെന്ന വിവരത്തെ തുഴർന്ന് വി

• ഇദ്ധാത്താട്ടി തുക്കുപാലത്തിന്റെ അറ്റപ്പെണികൾ നടത്തുന്ന വാഴക്കുളം വിശാജ്യാതി എൻജിനീ യറിങ് കോളജ് വിദ്യാർഥികൾ.



Fig:News about social service programme held at Inchathotty

92. "VILAVEDUPPU MAHOTSAVAM "of Organic Farming.

Social service Club of Department of Mechanical Engineering organized organic vegetable farming at VJCET Campus.





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മണ്ണിൻെറ മണമറിഞ്ഞ് വിശ്വജ്യോതി എൻജിനീയറിങ് കോളേജ് വിദ്വാർത്ഥികൾ

മൂവാറ്റുപുഴ: മണ്ണിൽ പണിയെ ടുക്കാൻ എൻജിനീയറിങ് പഠ നം തടസ്സമല്ലെന്ന് തെളിയിക്കു കയാണ് മൂവാറ്റുപുഴ വാഴക്കു ളം വിശ്വജ്യോത് എൻജിനിയ റിങ് കോളേജിലെ മെക്കാനി ക്കൽ എൻജിനീയറിങ് വിദ്യാർ ത്ഥികര

കഷിയിൽ നിന്നും സമാഹ രിക്കുന്ന പണം കൊണ്ട് കാൻ സർ രോഗികരംക്ക് ചികിത്സാ സഹായം നൽകുക എന്ന മഹ ത്തായ ലക്ഷ്യവും ഇവർക്കൊ പ്പമുണ്ട്. കൃഷിയിൽ സ്വയം പ ര്യാപ്പത കൂടി ലക്ഷ്യം വെച്ചാ ണ് 6-ാം സെമസ്റ്റർ മെക്കാനി ക്കൽ എൻജിനീയറിങ് വിദ്യാർ യായ എയാലനവായ വരു തഥികളുടെ നേത്രത്വത്തിൽ വി ഷരഹിത പച്ചക്കറികളുടെയും ഔഷധ സസ്യങ്ങളുടേയും ഷിക്ക് തുടക്കം കുറിച്ചിരിക്കു ന്നത്. ജൈവക്ഷി രീതിക്കം ക്ക് ഊന്നൽ നൽകി വിഷരഹി ത പച്ചക്കറികളുടെ ഉത്പാദന വും വിപണനവും സാദ്ധ്യമാ ക്കുക എന്നതാണ് ലക്ഷ്യം. ക ഷി മറക്കുന്ന പുതിയ തലമുറ യ്ക് വലിയൊരു സന്ദേശം കൂടി

യാണ് ഈ ഉദ്യമം. കോളേജിലെ ഒന്നര ഏക്കർ സ്ഥലത്താണ് ക്രഷി. ക്രഷി ഭൂമി യെ ബ്ലോക്കുകളായി തിരിച്ച് ഓരോ ബ്ലോക്കിനും വിദ്യാർ



വാഴക്കുളം വിശ്വജ്യാതി എൻജിനീയറിങ് കോളേജിലെ പച്ചക്കറി കൃഷിയുടെ ഉദ്ഘാടനം ആവോലി പഞ്ചായത്ത് പ്രസിഡൻറ് ജോർഡി വർഗീസ് നിർവഹിക്കുന്നു

തഥികളുടെ ഓരോ ഗ്രൂപ്പിനെ ചുമതലപ്പെടുത്തിയിട്ടുണ്ട്. വി ദ്യാർത്ഥികഠംക്ക് പൂർണ പിന്തു ണയുമായി കോളേജ് മാനേജ് മെൻറും ജീവനക്കാരും കൂടെ യുണ്ട്. വിദ്യാർത്ഥികരംക്ക് സാ കേതിക സ്ഹായവുമായി ആ വോലി ഗ്രാമപഞ്ചായത്തും ക ഷിവകുപ്പും ഉണ്ട്. ആവോലി പഞ്ചായത്ത് പ്രസിഡൻറ് ജോർഡി വർഗീസ് ഉദ്ഘാടനം ചെയ്യും

ലോക കാൻസർ ദിനത്തി ൻെറ ഭാഗമായി ആരംഭിച്ച ഈ സംരംഭത്തിന് ആവോലി ഗ്രാമ പഞ്ചായത്ത് പ്രസിഡൻറ് ജോർഡി വർഗീസ്, വാർഡ് മെമ്പർ മോളി ജെയിംസ്, ക്രഷി ഓഫീസർ അഞ്ജു പോരം, അ സി. കൃഷി ഓഫീസർ മനോജ് ഇ.എം., കോളേജ് പ്രിൻസി പ്രിൻസി ഇ.എം., കോളേജ് പ്രസസ പ്പൽ പ്രൊഫ. ജോസഫ് കു ഞ്ഞുപോരം, ഡയറക്ടർ ഫാ. ഡോ. ജോർജ് താനത്തുപറ മ്പിൽ, മെക്കാനിക്കൽ എൻജി നീയറിങ് വിഭാഗം മേധാവി വി നിയറിങ് വിഭാഗം മേധാവി വി നോജ് കെ., ക്ലാസ് ട്യൂട്ടർ അ ജോ ഐസക്, ക്ലാസ് ലീഡർ മാരായ ജോസ്മോൻ, സ്റ്റെ ഫിൻ എന്നിവർ നേത്വത്വം നല്ലി.

Fig:News and photos of Organic farming programme at VJCET

93. Repainting of NEHRU STATUE and Cleaning of NEHRU PARK.

Social Service Club of Department of Mechanical Engineering organized a social service programme at Nehru Park Muvattupuzha on 14th November 2016.





Fig: News and photos of Social service programme at Nehru park Muvattupuzha

94. Social Service Programme at TRIBAL UP SCHOOL

Social Service Club of Department of Mechanical Engineering organized a programme at Idamalayar Tribal UP School. The students of VJCET conducted different activities such as taking awareness class for the school students and also cleaned class rooms and ground etc.



Fig: Service programme at Idamalayar Tribal UP School





95. "APRIL COOL" – Social Service Activity at VJCET Campus.

Social Service Club of Department of Mechanical Engineering conducted an activity at VJCET campus by planting trees for protecting environment.



Fig: Students and staffs are planting trees at VJCET campus





Extension and Outreach programs – MBA Department

96. "Social Sensitization, Mother & Child Foundation Thodupuzha"

As part of exposing students to the social realities, first year MBA students of 2018-20 batch had a sharing by Mr. Joshy & Mr. Prince of Divyarakshakalayam, a rehabilitation center for alcoholics and mentally derailed people, on August 28th 2018. Later the batch visited those centers and donated money they had collected.



Fig.: The Guest taking session on the effects of Alcohol and other addictions



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Fig.: The students keenly listening to the speaker



Fig.: Vote of thanks by a student for the session





97."Bachpan Bachao Andolan"- NGO, Seminar

Mr. Ullas P Scaria from Bachpan Bachao Andolan came to our college and spoke about the NGO and its functions across India.110 students from MBA batch of 2020 and 2021 attended the seminar on Sept 24th, 2019.





Fig.: The guest speaking about the child labor and Child welfare



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Fig.: Faculty and students keenly listening to the speaker

98. "Social Sensitization, Mother & Child Foundation, Thodupuzha"

First year MBA students of batch 2019-21 spend a day with orphans of the Mother & Child Foundation, Thodupuzha and donated money they earned through their one-day work. 57 students attended the program and donated the money to the orphanage on oct 15th, 2019.



Fig.: A Visit to the Mother & Child Foundation by the students and faculty



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Fig.: Staff and students at Mother & Child Foundation, Thodupuzha



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Fig.: Faculty and students listening to speaker at Mother & Child Orphanage





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99. Mother & Child Orphanage Visit

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Viswajyothi School of Management Studies organized an orientation program from 20-06-2017 onwards for the new admissions. It was a 10- day program that included a number of activities which helped the students to explore the extents of potential. The orientation program also included a visit to "Mother & Child Orphanage" in Thodupuzha on 24.06.17. All 60 students worked at various institutions in and around Muvattupuzha for a day and earned a day's wage. An 'Earn-A-Day' program, which gave every student an opportunity to get into the streets, finds their own jobs to earn a day's wage was held as part of the orientation on June 23rd. This was an experience worth remembering forever. The next activity was the 'Malaikurissu' program on June 27th, where the students, divided between four groups each containing at least 10 people, were provided only with a 'one-burner-stove' and was given a task to cook as many dishes as possible. They managed to cook 154 delicious dishes. This was a herculean task, which the students achieved in just 3 hours. The activities conducted in the orientation program helped the students to realize their creativity, teamwork, critical thinking and problem-solving skills.

On the next day all students along with faculty visited the "Mother & Child Foundation", Mylakombu, Thodupuzha, Kerala and donated the wages earned. The children of "Mother and Child Foundation" welcomed the staff and students with great pleasure. The day was filled with music & joy. The aim of the program was to form value, ethics and social awareness among students and to make them realize that growths without bearing in mind the fellow being is not a worthy one.



EGE

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Fig.: The guest speaker talking the students about the Mother & Child Orphanage



Fig. : Children at Mother & Child orphanage entertaining students with bugle and a song





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100. Powered Prosthesis Arm



Fig.: The team behind the Project

Viswajyothi College of Engg. & Technology is the only Engineering College selected from India to the International Competition – Cybathlon 2020 Global Edition. The Cybathlon comes out of collaboration with the Swiss National Centre of Competence in Robotics Research, which intends to use the competition to promote the development and widespread use of bionic technology. The team designed & developed an electromechanical arm prosthesis with PLA material. The robotic arm can assist a person who has lost his/her limb due to illness or injury, in doing his/her day-to-day activities with ease. The designed model named "**Powered Prosthesis Arm**" was developed in the FABLAB of VJCET, so as to help the physically disabled people. Prof. Ralph Snider, German Scientist, guided the team under the supervision of Mr. Somy P Mathew, the Team Manager. The team members are Jekson George, Nixon George, & Akhilraj - Technical staffs, Mr. Rahul Sathyan, Mr. Anjith P N and Mr. Harisankar S, students from Electronics & Communication Engineering and Coordinated by Ms. Jessy Mathew and Mr. Sanoj Saju. The task was performed by the Pilot – Allen Mathew.

The competition was held online on Nov 13, 2020 at Zurich University. Among 49 participants from the top technical universities from the 20 countries (Italy, Japan, Russia, France, South Africa, England, Germany etc), Viswajyothi College of Engineering &Technology was awarded the 9th position.



A LICERENTATION TO

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അന്താരാഷ്ട്ര മത്സരത്തിലേക്ക് വാഴക്കുളം വിശ്വജ്യോതിയിൽനിന്നൊരു പ്രോജക്ട്

മൂവാറ്റുപുഴ > ആൽബർട്ട് ഐൻസ്റ്റീൻ പഠി ക്കുകയും പഠിപ്പിക്കുകയും ചെയ്യ സ്വീറ്റ്സർ ലൻഡിലെ ഇ.ടി.എച്ച്. സർവകലാശാലയിൽ നടക്കുന്ന അന്താരാഷ്യ പ്രോജക് മത്സരത്തി ലേക്ക് ഇന്ത്യയിൽ നിന്ന് മൂവാറ്റുപുഴ വാഴക്കു ളം വിശ്വജ്യോതി എൻജിനീയറിങ് കോളേജി ലെ വിദ്യാർഥികളുടെ പ്രോജകും. എൻജിനീയ റിങ് വൈദേധ്യം വിലയിരുത്തുന്നതിന് ഇ.ടി. എച്ച്. സർവകലാശാല ആഗോളതലത്തിൽ നടത്തുന്ന മത്സരത്തിൽ ഇന്ത്യയിൽനിന്ന് വി ശ്വജ്യോതി മാത്രമാണ് പങ്കെടുക്കുന്നത്.

അവയവങ്ങാം നഷ്ടപ്പെട്ടുപോയവർക്കും തളർച്ചബാധിച്ചവർക്കും സാധാരണജീവിതം സാധ്യമാകുന്ന 'പവേർഡ് ആം പ്രോതെസി സ്' ആണ് പ്രോജക്. സാമ്പത്തികമായി പി ന്നാക്കംനിൽക്കുന്ന അംഗപരിമിതർക്ക് ഉപകാ പ്പൈടുന്ന രീതിയിലാണ് ഉപകരണത്തിനെറ രൂപകല്പന. വിശ്വജ്യോതിയിലെ വിസിറ്റിങ് പ്രൊഫസറും ജർമൻ ഇൻഡസ്ടിയൽ എൻ



വിശ്വജ്യാതിയുടെ ഫാബ് ലാബിൽ പ്രോജക് ഒരുങ്ങുന്നു

ജിനീയറിങ് വിദശ്ധനുമായ റാൽഫ് സ്റ്റൈഡ റാണ് പ്രോജക് ഗൈഡ്. വിശ്വജ്യോതിയിലെ ഫാബ് ലാബ് ആണ് സാങ്കേതികസൗകര്യം ഒരുക്കിയിരിക്കുന്നത്.

മെക്കാനിക്കൽ, ഇലക്ട്രിക്കൽ, ഇലക്ട്രോ ണിക്സ് വിഭാഗത്തിലെ വിദ്യാർഥികളും, അധ്യാ പകരും സാങ്കേതിക വിദശ്ചാരും ചേർന്നാണ് പ്രോജക്ക് തയ്യാറാക്കുന്നത്. പ്രോജക്ക് യാഥാർ ഥ്യമാകുന്നതാരെടെ വിദ്യാർഥികരാക്ക് ഭർമനി യിലേയും സ്വിറ്റ്സർലൻഡിലെയും സർവ കലാശാലകളിൽ ഉപരിപഠനത്തിനുള്ള സാ ധൃതകരം വർധിക്കുമെന്ന് മാനേജർ മോൺ. ഡ്രോ. ചെറിയാൻ കാഞ്ഞിരക്കൊമ്പിൽ 'മാ തൃഭൂമി'യോട് പറഞ്ഞു.

കോളേജ് ഡയറകർ് ഫാ. പോരം നെടുമ്പു റത്ത്, ട്രഷറർ ലൂക്കാച്ചൻ ഓലിക്കൽ, പ്രിൻ സിപ്പൽ ഡോ. കെ.കെ. രാജൻ, വൈസ് പ്രിൻസിപ്പൽ സോമി പി. മാത്യു, പ്രോജക് ഓഫീസർ ജെസി മാത്യു പൈക്ട എന്നിവരു ടെ മേൽനോട്ടത്തിൽ നടക്കുന്ന പ്രവർത്തന ങാം അവസാനഘട്ടത്തിലാണ്. നവംബർ 13, 14 തിയതികളിൽ ഓൺലൈനായി നടത്ത പ്പെടുന്ന മത്സരം കാണാൻ പൊതുജനങ്ങരം ക്കും അവസരം ഉണ്ടായിരിക്കും. വിവരങ്ങരം ക്കും അവസരം ഉണ്ടായിരിക്കും. വിവരങ്ങരം





Fig.: Images of Powered Prosthesis Arm being fabricated in the FAB Lab of VJCET

Fig.: Cybathlon in News



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Established in 2001



Fig.: The Pilot being introduced with the product




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Fig.: The pilot performing the task



Established in 2001

SOCIAL EXTENSION ACTIVITIES

ELECTRONICS & COMMUNICATION ENGG DEPT

101. Solo Marathon on May 6th 2019, by Mr. Jibby Peter D'Cruz, Assistant **Professor, ECE Dept.**

ഇമ്മാനുവൽ ചിൽഡ്രൻസ് ഹോമിനുവേണ്ടിയുള്ള ധനശേഖരണാർത്ഥം 2019 മെയ് 6ന് തൊടുപുഴ വിശ്വജ്യോതി കോളേജ് ഗ്രൗണ്ടിൽവച്ച് വരാപ്പുഴ ഇടവകാംഗമായ ശ്രീ. ജിബി പീറ്റർ ഡിക്രൂസ് സംഘടിപ്പിച്ച 42 KM സോളോ മാരത്തണിന്റെ വിവിധ ദൃശ്യങ്ങൾ....



Fig.: Prof. Jibby Peter D'Cruz finishing the Marathon



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Fig.: Students supporting Prof. Jibby Peter D'Cruz for completing the full marathon



Fig.: Management & Staffs appreciating Prof. Jibby Peter for his valuable contribution

102. HAIR –A-THON

ECE association conducted a hair donation campaign, "HAIR –A-THON" on 9th March 2018. The function was inaugurated by Jimmy Jose, Vice chairman and Secretary, Kelsa, Red cross Muvattupuzha. A motivational talk also was given by Ms. Bindu Ronny, Beautician, Achuz Bridal villa.

INDIAN RED CROSS SOCIETY MUVATTUPUZHA	VISWAJYOTHI ECE ASSOCIATION
VENUE :Main Auditorium,VJCET	TIME :11.30am - 1.00pm 9th March 2018
INDIAN RED CROSS SOCIETY MUVATTUPUZNA ののりへん マント	VISWAJYOTHI ECE ASSOCIATION Organises Organises Organises Organises Organises Organises Organises
VENUE :Main Auditorium,VJCET	TIME :11.30am - 1.00pm 9 th March 2018

Fig.: Brochure- HAIR –A-THON



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Fig.: Hair Donation Drive





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103. Helping in renovating and completing a house which belonged to a staff of Viswajyothi Family by providing both financial aid and labour work in 2015-2016.



Fig.: Management, Principal, Staffs & Students in front of the house



Fig.: Blessing of the home by Msgr. Rev. Dr. George Oliapuram, Manager, VJCET







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Established in 2001

Final year students of Electronics & Communication Engg, Dept. celebrating 104. Onam at St. Joseph's Old Age Home, Vazhakulam with their inmates and donated Rs. 9000/- collected from students on 1/8/15.



Fig.: Celebrating Onam at St. Joseph's Old Age Home



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Viswajyothi College of Engineering and Technology Department of Electrical and Electronics Engineering Vazhakulam, Muvattupuzha,

Report on

105. Electrical Renovation Works Done at Assissi Snehaveedu, Madkkathannam, Muvattupuzha by

Department of Electrical and Electronics Engineering of VJCET

as part of the social commitment programme in the academic year

2017-2108

Prepared by : Shri Sabu Valiamattam

line

Checked by : Dr K K Rajan

Hour e

Approved by : Dr B Aruna, HOD, EEE, VJCET

June 2018

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Scanned by CamScanner

Report on Electrical Renovation Works Done at Assissi Snehaveedu, Madkkathannam, Muvattupuzha

1. Introduction

Assisi Snehaveedu is functioning at Madkkathanam for the last two years. There are 72 inmates including gents and ladies and is run by six sisters and supporting staff. This is a rehabilitation centre for differently abled people and Psychiatric patients. Father Francis Dominic is the Director of the Snehaveedu and he is normally stationed at Kattappana in Idukki district. Madakkathanam is his native place and the centre is located at his ancestral property, an old house which is modified suitably. According to the sisters, the funding for day to day activities of Snehveedu is from the donations an collections from local people. The technical staff of EEE department of Viswajyothi College of Engineering and Technology and the head of the department visited Snehaveedu recently and witnessed the facilities available to the inmates. They found that adequate air circulating ceiling fans and lighting is not available in the four dormitories where the inmate are staying/sleeping. In consultation with Principal VJCET and Director VJCET a decision has been taken to renovate the electrical system of Snehveedu by providing adequate number of ceiling fans and energy efficient lighting. The renovation work was completed in all respects. This document gives the details of renovation work carried out.

2. About Assis Snehaveedu

Assissi Snehaveedu is operating in a relatively old building which is extended by building few halls for the stay of inmates. The building is of four floor structure(1+3). The three halls (dormitories) are in the third floor and one hall is in the fourth floor. More than 15 persons are staying in each dormitory. There were few fans but not they were providing adequate air circulation in the room and the inmates were suffering. Lighting in the dormitories were also not adequate. Incandescent lamps, CFL and normal tube lights were in use.

3. Objective of the Electrical System Renovation Works

The inmates of Snehaveedu should get adequate air ventilation and lighting . The electrical load has to be reduced and electricity consumption and the monthly bill has to be brought down by using energy efficient LED lamps. The safety aspects of the power distribution system especially the insulation resistance and earth resistance has to checked and strengthened.

4. Estimate and Mode of Execution

The cost estimate of the renovation work was carried out EEE depart technical staff. It was found that total cost including materials and manpower was around Rs.30,000. The detailed estimate is given in Table 1. The work was initiated with the permission from Director Snehaveedu and Director VJCET. The work was carried with

active involvement and under the direct supervision of technical staff of EEE department with the support of VJCET electrician. Tools from VJCET was used for the execution of the work. KSEB officials were informed about the work. The work was completed within one week after commencement. The actual expenditure was Rs. 27750/-. Fund required for this work was collected from faculty members, technical staff and students of EEE department. Shri Sabu Valiamattam was the nodal officer for execution and coordination.

5. Details of Renovation work

Renovation work were carried out in four dormitories were the inmates are staying and in the chapel were they assemble for prayer. Some of the Existing fans were shifted to new locations and new fans are provided. Totally 8 new ceiling fans and 2 new wall fans are provided. 10 numbers of tube lights/ incandescent lamps were replaced by 9 W LED lamps which has reduced the load drastically. Additional load due to new fans were compensated by reducing the lighting load by using low power high efficiency LED lamps. The insulation resistance of the installation was checked using a megger and found that the IR value is more than 2 mega ohm. The earthing connections were done as per standards. The earth value was measured using an earth megger and found that the vale us less than 4 ohms. Modifications work done in the four dormitories and chapel is indicated in fig 1 to 5.

6. Outcome of the Electrical System Renovation Works

This social commitment activity of EEE department VJCET was successfully completed with the active participation and involvement of all members of EEE family of VJCET. The safety aspects of the electrical system in Snehaveedu was checked and found good. Total expenditure was Rs. 27750/- This renovation work has improved the comfort level of inmates of Snehaveedu. This was achieved without increase of electrical load and electricity consumption.

Viswajyothi College of Engineering & Technology, Vazhakulam

Department of Electrical and Electronics Engineering

Estimate for the Electrical Renovation work at Assisi Snehaveedu, Madakkathanam, Muvattupuzha

SI No	Particulars	Quantity	Unit	Rate	Amount
1	Supply of superior quality Ceiling Fan Brown coloured, 48 "	8	Nos	1400	11200
2	Supply of superior quality Wall Fan , 400mm'	2	Nos	2200	4400
3	2.5 mF Capacitor	2	Nos	20	40
4	20mm PVC Conduit ISI marked	15	Nos	40	600
5	20mm PVC Bend ISI marked	20	Nos	10	200
6	20mm PVC Junction box ISI marked	20	Nos	15	300
7	20mm GI Saddle	1	Pack	200	200
8	GI Screw 1"	1	Pack	100	100
9	Screw Grip 6mm	2	Pack	40	80
10	1 Sqmm Copper wire Finolex or equilant	3	Coil	900	2700
11	Insulation Tape	2	Nos	10	20
12	Electronic Step Regulatir Single module	10	Nos	240	2400
13	One way Switch	10	Nos	20	200
14	6x4 GI Switch Box with 4 way plate cover	4	Nos	250	1000
15	Anchor bolt Closed Hook	14	Nos	30	420
16	LED lamp 9W, Philips or equilant	10	Nos	100	1000
	Labour Labour for disconnecting and dismantling existing ceiling fan, shifting to another place, installing after fixing anchor bolt, fixing conduit, rewiring, reconnecting, etc. for 6 Nos - 2 Nos Electrician for 1 Day				2000
	Labour for installing ceiling fan after fixing anchor bolt, fixing conduit, switch box, wiring, connecting, etc. for 8 Nos - 2 Nos Electrician for 1 Day				2000
	T&P including Conveyance - 25%				1000
				Total	29860
			1	Unforseen	140
				G. Total	30000

Schematic Diagrams



Fig.1: Modifications made in Chapel

Dormitory -1



Two 60W Incandescent lamps are replaced with 9W LED bulbs. Two additional ceiling fans installed

Fig.2: Modifications made in Dormitory -1

Dormitory -2



Fig.3: Modifications made in Dormitory-2

Dormitory-3



Two additional fans installed. Two ceiling fans shifted. Two 60W Incandescent lamps replaced with 9W LED bulbs.

Fig.4: Modifications made in Dormitory -3

Dormitory- 4



Two additional wall fans installed. Two 60W Incandescent lamps replaced with 9W LED bulbs.

Fig.5: Modifications made in Dormitory -4



Photo.1: VJCET staff carrying out renovation works







Photo.3: New ceiling fans in dormitory-2







Photo.5: VJCET team in the Chapel



The VJCET and Shenaveedu team during switching On Function



Electrical renovation works of Assissi Snehaveedu by Students & Faculty of EEE Department

Department of Electrical and Electronics Engineering, Viswajyothi College of Engineering and Technology, Vazhakulam, Muvattupuzha had carried out Electrical Renovation Works at Assissi Snehaveedu, Madkkathannam, Muvattupuzha. Assisi Snehaveedu is a rehabilitation centre for differently abled people and Psychiatric patients. There are 72 inmates including gents and ladies. Fr. Francis Dominic is the Director of Snehaveedu. The technical staff of EEE department of Viswajyothi College of Engineering and Technology and the Head of the department visited Snehaveedu and witnessed the facilities available to the inmates and found that adequate air circulating ceiling fans and lighting is not available in the four halls where the inmates are staying/sleeping. In consultation with Principal, VJCET and Director, VJCET, a decision was been taken to renovate the electrical system of Snehaveedu by providing adequate number of ceiling fans, wall mounting fans and LED lighting. The work was completed under the direct supervision and involvement of EEE department technical staff. Total expenditure was Rs.27,750/- and the amount was collected as donations from faculty members and technical staff of EEE department. This activity has improved the comfort level of inmates of Snehaveedu. This social commitment activity of EEE department VJCET was successfully completed with the active participation and involvement of all members of EEE family of VJCET. The safety aspects of the electrical system in Snehaveedu were checked and found good. This was achieved without increase of electrical load and electricity consumption.



Fig.: Report of Social Service Activity at Snehaveedu in News

പരിപാടിയോടനുബന്ധിച്ച്

ബന്ധിച്ചു.

ത്തുന്ന സ്നേഹവീടിൻെറ ഇലക്രി



106. Members of EEE Department carried out Electrical Renovation Works at Flood affected homes as a part of social commitment.



Fig.: Visiting the Flood Affected Homes



Fig.: Electrical Renovation Works being done at Flood Affected homes





Fig.: Staffs carrying out the Electrical Works





107. **ONE DAY Seminar On "Use of Electricity: Safety and Energy Efficiency"** (Exclusively for House Wives)

A one-day seminar on 'Use of Electricity: Safety and Energy Efficiency' was organized by the Electrical and Electronics Department of Viswajyothi College of Engineering and Technology, Vazhakulam, at R&D seminar hall on Friday, 6th July 2018 to impart general awareness on energy efficiency, electrical safety and tariff. The participants were house wives from nearby areas of the college including 20 Kudumbasree unit members of Avoly panchayat. The program was conducted as a part of the social commitment programmes of EEE Department of VJCET.

The one-day seminar conducted by the Electrical and Electronics engineering department of VJCET mainly focused on the housewives who act as the main decision makers in consumption and conservation of electricity. Hence this seminar was arranged to give awareness for the smart as well as practical ways to conserve electricity

The seminar was inaugurated by Sri. Jordy Varghese Nambiaparambil, President, Avoly Gramapanchayath. The Presidential address was delivered by Rev. Fr. Cherian Kanjirakombil, Manager of VJCET. During the inauguration ceremony Dr B Aruna, HOD EEE department, Mr. Somy P Mathew, Vice Principal VJCET, Ms. Molly James, Ward member Avoly Gramapanchayath, and Ms. Shemi Jones, Kudumbasree Chairperson felicitated the gathering.

The technical sessions were handled by final year students of EEE department under the guidance of Assistant Professors of the department. There were 5 sessions and, in each session, some relevant topics of energy efficiency and safety were discussed. The details of the sessions are given below.

SESSION-1- 'ENERGY EFFICIENCY IN ELECTRICAL LIGHTING' by Mr. BASIL N Kuriakose of S6 EEE A under the guidance of Ms, Breeza Paulose, Asst Professor, EEE Department.

SESSION-2- The next session was on the topic 'THE WORKING PRINCIPLES OF ELECTRICAL HOME APPLIANCES, taken by Mr. AMIT JOLLY of EEE Department under the guidance of Mr. Sharone Varghese, Asst Professor, EEE Department.

SESSION-3- The next topic of discussion was 'ELECTRICAL SAFETY MEASURES IN OUR HOUSE', which was taken by Mr. AFEES MOIDU SALIM of S6 EEE B under the guidance of Ms. Jane Maria S, Asst Professor, EEE Department.





SESSION-4-The fourth topic was 'ELECTRICITY GENERATION AND SOLAR POWER' which was handled by Ms. TREESA POULOSE of S6 EEE B under the guidance of Ms. Cini K, Associate Professor, EEE Department.

SESSION-5- The last topic of the seminar was 'TARIFF AND ENERGY EFFICIENCY' handled by Mr. HAFEEZ NAZAR of S6 EEE A under the guidance of Ms. Smitha Jacob, Asst Professor, EEE Department.













The one-day seminar conducted by the Electrical and Electronics engineering department of VJCET as a part of the Social Commitment programmes came to an end with the successful completion of 5 sessions. The participants were awarded with a certificate, and an LED lamp of to propagate the idea of Energy efficiency devices and as a compliment from VJCET. Around 40 housewives participated in the one-day seminar program and the certificates were distributed in the presence of Mr. Jordy Varghese, president, Avoly Gramapanchayath, Mrs.Molly James, Ward Member, Dr. B. Aruna, Head of EEE department and the dean IIIC Dr. K. K. Rajan. The participants were also asked to fill a feedback form which will be an analysis of the one-day program.

During the concluding ceremony, Mrs. Molly James, Ward Member gave an inspiring concluding address on how she benefited from the program and also the importance of the electricity, use and its safety. The vote of Thanks was proposed by the dean of IIIC Dr. K. K. Rajan which enthused and enriched the participants, students and the faculty members.



Fig.: Seminar Brochure



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VISWAJYOT

PAPER REPORTS



വിശ്വജ്യോതിയിൽ വനിതകൾക്കായി വൈദ്യുതി സുരക്ഷാ സെമിനാർ

വാഴക്കുളം ⊾ വിശ്വജ്യോതി എൻ ജിനീയറിങ് കോളേജിൽ വനി തകരംക്കായി സെമിനാർ നട ത്തും. കോളേജിലെ ഇലക്ട്രി ക്തൽ ആൻഡ് ഇലക്ട്രോണി ജ് എൻജിനീയറിങ് വിഭാഗത്തി നെ ആഭിമുഖ്യത്തിൽ വെള്ളി യാഴ്യയാണ് സെമിനാർ സംഘടി പ്പിച്ചിരിക്കുന്നത്.

് ബൈദ്യുതി ഉപയോഗത്തിലെ സുരക്ഷയും കാര്യക്ഷമതയും എന്ന വിഷയത്തെ അടിസ്ഥാന മാക്കി വീട്ടമ്മമാർക്കായാണ് ഏക ദിന ബോധവത്കരണ സെമി നാർ നടത്തുന്നത്. താത്പരുമുള്ള പ്രദേശവാസി കളായ വനിതകരാക്കും പങ്കെടു ക്കാം. സെമിനാറിൻെറ ഉദ്ഘാട നം വിശ്വജ്യോതി എൻജിനീയറിങ് കോളേജ് ഡയറക്ടർ റവ. ഡോ. ജോർജ് താനത്തുപറമ്പിൽ നിർ വഹിക്കാം.

ആവോലി പഞ്ചായത്ത് പ്ര സിഡൻറ് ജോർഡി വർഗീസ് യോഗത്തിൽ അധ്യക്ഷത വഹി ക്കും.

സെമിനാറിൽ പങ്കെടുക്കാൻ താത്പര്യമുള്ള വനിതകരം 9072964417 എന്ന നമ്പരിൽ വി ച്ചിച്ച് പേര് രജിസ്റ്റർ ചെയ്യണം.

Fig.: Report in Deepika Newspaper

Fig.: Report in Mathrubhoomi Newspaper



Fig.: Report in Mangalam Newspaper

DEPARTMENT OF CIVIL ENGINEERING

108. Abatement of River Pollution

Abatement of Polluted Stretch of Muvattupuzha River from Muvattupuzha to Thodupuzha



Detailed Project Report



Submitted to

Water Resources Department, Government of Kerala

Prepared by



Department of Civil Engineering Viswajyothi College of Engineering and Technology

February 2021

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Project Team

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Executive Summary

The National Green Tribunal, has directed urgent steps towards abatement of pollution and rejuvenation of 21 rivers identified as 'critically polluted' in the State. As directed, the Water Resources Department (WRD) of Kerala in collaboration with selected engineering colleges in the state has formulated a detailed project report of action plan for the concerned river. In this DPR, the water quality of Muvattupuzha river was monitored and found that the stretch is not polluted.
1. Introduction

1.1 Background

Muvattupuzha River is one of the major Perennial Rivers in Kerala located in the districts of Ernakulam and Kottayam. It originates from Taragamkanam Elevation. The Muvattupuzha river basin is bounded by the Periyar river basin on the north and the Meenachil river basin on the south. The three major rivers that constitute the basin are the Thodupuzha River, The Kaliyar River and the Kothamangalam River. All these three rivers converge together at Muvattupuzha and flows down the South – West as a single river for 115 km. This river discharges into the Vembanad estuary near Vaikom (Gopinath, 2003).

Thodupuzha River is originating from Thankakkanam hill (1096 m from MSL). Kudayathoor Puzha is the major contributory of Thodupuzha River. Kaliyar River is formed by two rivers: Veloor puzha which originates from Venniyanimudy (756 m from MSL) and Kannadypuzha which originates from Paalkkulammettu (1192 m from MSL). Kothamangalam River is formed by rivulets originating from Mannankaavumala (783 m from MSL) and Surakkattumudi (811 m from MSL). A famous waterfall, Thomankuthu is situated in Muvattupuzha River. From Muvattupuzha the combined discharges of the three rivers, flows in a westerly direction, under the name Muvattupuzha River for about 12 kms, and then turns south passing through Ramamangalam and Piravom. From Piravom the river flows through low swampy lands and at Vettikattumukku it bifurcates, and flowing west, empties its waters into the Vembanad Lake through Ithipuzha and Murinjapuzha at Vadakkemuri and Chembu respectively. The soil types of the basin are lateritic, hydromorphic and riverine alluvium. Lateritic soil is

the most extensive soil type found in the area, occurring all along the midland area bordered by coastal alluvium on the west and forest loam on the east (CESS, 1984). The soils in the basin are generally deficient in Nitrogen, phosphorus and lime. The soils in the hills are loamy with a great admixture of humus. Patches of Kari-soils are found in Vaikkom Taluk (PWD, 1958).

The length of the river is 121 km and it has a catchment area of 1554 sq. km. The discharge of water in the river basin ranges from 50 m³/sec(pre monsson) to 400 m³/sec (monsson) (Gopinath, 2003). The river lies between north latitudes 90 45' -100 05' and east longitudes 760 22' - 760 50'. The river basin is mainly composed of Archaen Crystalline rocks with charnockites, charnockitegneiss, hypersthenes – diopside gneiss, hornblende gneiss and hornblende biotite and quartz-mica gneiss rock types (2012, Maya; Santhosh; Padmalal; Aneesh). Three physiographical units: highland (>75amsl), midland975-8 amsl) and lowland (>8amsl) converges to form this basin area (Maya et al., 2012). [muvattupuzha-river-sandauditreport-27-5-2016]

As of 2011 India census Muvattupuzha had a population of 1,62,329. Malayalam and English are the official Languages. Tamil is also widely understood. Hindi is widely spoken and understood due to the influx of migrant labours from North India.

Muvattupuzha has a rich cultural tradition. Margamkali and martial arts like Parichamuttukali, are popular among the Syrian Christian community. It is performed by men and women separately during Syrian Christian weddings. Shadkala Govinda Marar was born on the banks of the Muvattupuzha river at Ramamangalam. In the new era, Mela (Muvattupuzha Enlightened Lovers of Arts) – a registered fine arts society which was established in 1968 plays the lead role in the cultural life of this town. The scenic beauty and lush greenery on the river banks of Muvattupuzha river makes it a sought-after tourist destination. Riveside walk-way and Dream Land Municipal Park are some of the best places to spent time with family and kids in holidays and evening.



Figure 1. Geographical location in India, Kerala, showing the river basin

1.2 Polluted Stretch of the River

The river stretch under review is from Muvattupuzha to Thodupuzha. As per previuos data, the stretch is not considered as polluted. The river banks are free from pollution causing industries like chemical industries, refineries, solid waste dumping sites.

Detailed Project Report [ABATEMENT OF POLLUTION OF MUVATTUPUZHA RIVER]



Figure 2. Muvattupuzha river

2. Objectives and Outcomes of the Action Plan

Objectives:

The main objective of the Action Plan is to check the water quality of Muvattupuzha river (from Muvattupuzha to Thodupuzha) in Class B (IS 2296:1992).

Outcomes:

The outcomes envisaged after the implementation of Action Plan include:

- Maintenance of minimum environmental flow
- Improvement in river biodiversity

3. Pollution Inventory

3.1 Details of Drains Contributing Pollution

The drains joining the river, outlet drains does not carries domestic sewage, industrial effluent, natural drains carrying sewage.

3.2 Details of Sewage Pollution Sources and Treatment Systems

No identified sources of sewage and location of Sewage treatment plants.

3.3 Details of Waste Management

3.3.1 Municipal Solid Waste

Most of the household solid waste are dumped at private property itself and a major portion is collected by the Municipal Authority.

3.3.2 Bio-medical Waste

No identified disposal of medical waste into river water was observed. All hospitals located on the banks of the said stretch had in-built sewage disposal systems.

3.3.3 Hazardous Waste

Households generate small quantities of hazardous wastes such as oil-based paints, paint thinners, wood preservatives, pesticides, insecticides, household cleaners, used motor oil and batteries. No specific treatment facilities for hazardous wastes are found in this stretch.

3.3.4 E-Waste

No identified e-waste treatment facilities were found.

3.4 Details of Industrial Pollution Sources

There are no industries identified discharging their effluents in the stretch of river from Muvattupuza to Thodupuzha.

3.5 Sources from Agricultural Areas

There are Pineapple fields and rubber plantations in the area. But the fertilizers applied to these field and plantations are not affecting the quality of water in river.

4. Flow Inventory

Muvattupuzha River and its tributaries plays vital role in the socio-economic and cultural development of Ernakulam District of Kerala. This river is the union of three rivers - Thodupuzha, Kaliyar and Kothamangalam. These rivers join together at Muvattupuzha and then flow towards south-west as a single river to the Vaikkom Lake. Finally, it merges with the Arabian Sea.

The available nearby rain gauge station Vannapuram and river gauge station Muvatupuzha data were used to interpret the flow inventory details. River gauge data for the last two years from 2019 to 2020 (Source: IDRB, Trivandrum) analysed for average gauge and discharge variation in the river. Maximum gauge for the river was observed was 3.43m on August 2019. The variation in discharge was summarized as maximum average discharge as 332.65 m³/s on August 2019, Minimum discharge as 6.24 m³/s on January 2020 and Maximum discharge as 1219.65 m³/s on August 2019. As per the analysis of discharge data over the last two years, lean period was observed to be December 2019 to April 2020 with an average minimum discharge of 19.74 m³/s. Figures 3, 4, 5, 6 shows the variation in gauge and discharge.



Figure 3. Variation of average river gauge 2019-2020



Figure 4. Variation of average discharge 2019-2020



Figure 5. Variation of minimum discharge 2019-2020



Figure 6. Variation of maximum discharge 2019-2020

The precipitation data obtained from Vannapuram rain gauge station over the years 2018 to 2019 was analyzed. Maximum monthly average of 48.72mm was observed on July 2018 and maximum value of precipitation was recorded as 248.8mm on August 2018, on the same month the entire state Kerala faced the drastic flood of the century. Variation in average and maximum precipitation intensities shown in figures 7 and 8.



Figure 7. Variation of monthly average rainfall 2018-2019



Figure 8. Variation of maximum rainfall intensity 2018-2019

5. Status of Groundwater

Major drainages in Ernakulam district are Periyar, Muvatupuzha rivers and their tributaries. Major physiographic units in the stretch is midland. The nearby area of river like Muvattupuzha, Kothamangalam and parts of Aluva and Kunnathunad taluks is having laterite soil. Predominant geological formation is Archaean Crystalline formation (Charnockite group & migmatite group), Tertiary sedimentary formation, Sub-Recent laterite and recent alluvium. Major water bearing formation is Weathered, fractured crystalline formations; semi consolidated Tertiary formations, laterites and Recent alluvium. Hydrogeological variation of Ernakulam district shown in figure 13. As per CGWC studies, average depth to water level in Pre-monsoon, 2002-11 is 0.75 to 12.05 mbgl and Post monsoon, 2002-11 is 0.54 to 10.42 mbgl.



Figure 9. Hydrogeological map of Ernakulam district

6. Monitoring of Pollution Sources

6.1 Monitoring of Drains

There are a few drains joining the river in the stretch from Muvattupuzha to Thodupuzha. A detailed monitoring was not carried out for the drains as the quality of water from the drains was clear.

6.2 Monitoring of River

River water quality monitoring under National Water Quality Monitoring Programme (NWMP) using CPCB fund by Kerala State Pollution Control Board (KSPCB) is ongoing with monthly frequency. Also, Inspection and effluent quality monitoring of the flats, industrial units, service stations, hospitals, hotels etc. are under process by the KSPCB. Water condition at present situation is shown in figure 10,11.



Figure 10. Condition of water along the selected stretch



Figure 11. Condition of water along the selected stretch

6.3 Monitoring of Polluting Industries

No Industries were identified in the stretch of river from Muvattupuzha to Thodupuzha.

7. Analysis of Environmental Flow

E-flow defines the quantity, timing and quality of water flow required to sustain freshwater and estuarine ecosystems, besides human livelihood. Minimum ecological flow is based on the principle that a certain amount of minimum flow must be present in a flowing freshwater ecosystem such as a river or an estuary so that the ecological quality of the flowing freshwater ecosystem is maintained. The term minimum ecological flow is also used sometimes, in association with the term environmental flow that denotes the amount of water running in a flowing freshwater body that can keep the water body at a desirable environmental condition. In order that the ecological and hydrological functions of flowing freshwater systems be conserved, a minimum ecological flow is required so that the physical regimes around flowing freshwater ecosystems are not significantly altered or that water flow in these bodies does not decrease significantly (EEA, 2016). The concept assumes importance in respect of water management, and brings up many issues in terms the physical, ecological and hydrological regimes of flowing freshwater ecosystems. The terms 'minimum ecological flow' and 'environmental flow' have come into focus in modern times especially with the ever-increasing impacts of human activities on the flowing freshwater ecosystems. Significant degradation has occurred in the case of biodiversity of freshwater systems in contemporary times, due to human influence in altering the physical, hydrological and ecological regimes of flowing freshwater ecosystems. With greater understanding of human intervention in flowing freshwater ecosystems over time, approaches to assessing environmental flows have developed significantly as the concept has evolved. However contentious issues over estimating how environmental flows are to be managed, it can become an important issue in undertaking the water resource development projects. Thus, an approach that looks to balance the socio-economic needs from water resources with environmental requirements would need the sustainable management of water resources. Considering that water use by humans is a necessity that in many cases involves extraction of water from flowing freshwater bodies, managing environmental flows becomes important to taking a sustainable approach. The effects of pollution can be more severe when lack of water in flowing freshwater bodies causes effluents to accumulate in places along the course of the water body. This can be severely harmful to ecology in these flowing freshwater ecosystems. A minimum ecological flow in this case would require either prevention of the dumping of effluents and/or appropriate water flow to prevent excess accumulation of effluents in these ecosystems. The problem can be worse when a dam upstream

causes less release of water downstream, thus leading to the accumulation of effluents. Apart from finding a balance between conservation and socio-economic needs, as seen in this scenario, building sustainability in managing environmental flows needs to look also at the impacts of developmental processes on flowing freshwater ecology. Some of the commonly adopted techniques are Hydrological methods, Hydraulic rating, Habitat simulation methods, Holistic methodologies etc. The determination of E Flow for a short duration quite impossible and not consistent as we have to furnish and construct the detailed rating curves by incorporating all the hydraulic parameters over several years. As the present DPR preparation was limited for a short duration, any kind of detailed analysis for E flow determination was not possible. Still as per National Green Tribunal rivers in all states to maintain a minimum environmental flow of 15 to 20 per cent of the average lean season. Based on this criterion and flow inventory parameters minimum e flow requirements are summarized in table 1

Name of River	Average River	Average	Gauge for	Discharge for	
Stretch	gauge over lean	Discharge over	Minimum E	Minimum E	
	period (m)	lean period	Flow(m)	Flow(m ³ /s)	
	Note:hydraulic	(m^{3}/s)	Note: 20% of	Note: 20% of	
	parameters	Note:hydraulic	lean season	lean season as	
	from 2019	parameters	as per NGT	per NGT	
	to 2020	from 2019			
		to 2020			
Muvattupuzha	1.3 m	49.15	0.26	9.83	
River					

Table 1 Minimum E flow requirement for the polluted stretch

For the purpose of determination and analyzing the e flow, discharge variation over the last five years obtained from station 1 of Muvatupuzha river gauge was analyzed and plotted in figure 12.



Figure 12. Variation in Discharge over the last five years

8. Detailed Gap Analysis

No key issues causing pollution were identified from the collected primary and secondary data that are explained in sections 3 to 7.

As per the primary and secondary data collected based on polluted stretch, that are explained in sections 3 to 7, following gaps are identified.

1. Latest data regarding the water quality analysis, ground water data exactly along the polluted river stretch etc. were not available. The data available from close locations are reported.

2. No legitimate surveillance with regard to the disposal of effluents to the river is found all through.

9. Management Planning Framework

The management planning framework essentially includes formulation of management objectives, definition of targets comprehensively to fulfill each objective, quantitative description of performance indicators that represent the attainment of targets, proposal of strategies to achieve the indicators, identification of DPR components.

For Reduction in pollution load from drains the targets adopted shall be:

(i) Control of pollution from industry discharging effluent into drains

- (ii) Control of solid waste dumping near the drains
- (iii) Control of pollution from households Performance Indicators:
- (i) BOD < 3 mg/L; TC < 500 MPN/mL

The strategies to be adopted shall be:

- (i) Status of industries w.r.t consent, ETP installation and adequacy, final discharge point
- (ii) Strict enforcement of discharge limit of effluent into drains
- (ii) Collection and segregation of solid waste
- (iii) Untapped drains to be provided with in-situ bioremediation or phyto-remediation

10. Action Plan for Restoration of Polluted River Stretch

In case of pollution detected in the future, the action plan shall be as follows:

10.1 Short Term Action Plan

SI. No.	Action	Implementing Department / Agency
Comp	oonent I: Sewage Management	
1	Sanitation Survey	Concerned Local Body
2	Periodical Cleaning	Kerala Irrigation Department
Comp	onent II: Industrial Waste Manage	ement
1	Restricting seepage of leachate	Kochi Corporation
2	Periodical Monitoring	Kerala State Pollution Control Board
Comp	oonent III: Solid Waste Manageme	nt
1	Surveillance to restrict the dumping of wastes into the river and its branches	Concerned Local Body with the help of Police
Comp	oonent IV: Environmental Flow	· ·
1	Periodical Cleaning	Kerala Irrigation Department

10.2 Long Term Action Plan

SI. No.	Action	Implementing Department / Agency
Comj	oonent I: Sewage Management	
1	Restriction of illegal dumping of Septage in to the river	Police
2	Additional STP requirement (if needed)	Concerned local bodies associated with Cochin Corporation & Brahmapuram plant

11. Third Party Monitoring and Evaluation

A report from the third party for water quality was not available for te river stretch from muvattupuzha to Thodupuza.

Appendices

A-1 Details of Cities and Towns

SI. No.	District	Name of town / city	Populati on (2011)	Estimat ed Populat ion (2021)	Sewage Generati on (2021)	Estimated MSW (kg/day)
1.	Ernakulam	Muvattupuzha	162318	170434	170 kl	58770

SI			Populati	Decadal	Estimate
No.	District	Name of village	on in	growth	d
1.00			2011	(%)	populatio
					n in 2021
1		Arakuzha	15404	8	16636
2		Elanji	1649	8	1781
4		Kalloorkkad	13337	8	14404
6		Maneed	16980	8	18338
7		Manjalloor	17361	8	18750
8		Marady	15543	8	16786
13		Palakkuzha	42682	8	46096
15		Ramamangalam	14850	8	16038
16	Emolalom	Thirumarady	17585	8	18991
17		Valakam	18308	8	19772

A-2 Details of Grama Panchayat and Revenue Villages

SI. No.	District	Name of City / Town / Panchayat / Village	No. of Collection Points	Remarks		
1	Ernakulam	Muvattupzha	1	Waste generated in these areas		
2	Idukki	Thodupuza	1	are disposed mostly within the premises of their houses.		

A-3 Details of Municipal Solid Waste Management

A-4 River Water Quality Data

Details of Sampling Stations

Sample ID	Landmark	Latitude	Longitude	
1	Thodupuzha Bridge	9.897248°N	76.712092° E	
2	Near Chazhikattu Hospital	9.899416° N	76.708786° E	
3	Madakkathanam Thookkupalam	9.918302°N	76.681671° E	
4	Kavana Bridge	9.925722°N	76.632749° E	
5	Kavana Pump house	9.926022°N	76.632466° E	
6	Arakuzha Moozhi Bridge	9.934766° N	76.599493° E	
7	Ponneth Kadavu	9.942328°N	76.604837° E	
8	Muvattupuzha Bridge	9.979483°N	76.582441° E	
9	Puzhakarakadavu	9.984308°N	76.586569° E	
10	Triveni Sangamam	9.985473°N	76.583575° E	

Date of Sample Collection:

Sample ID	Landmark	Date of Collection
1	Thodupuzha Bridge	22 January 2021
2	Near Chazhikattu Hospital	22 January 2021
3	Madakkathanam Thookkupalam	22 January 2021
4	Kavana Bridge	20 January 2021
5	Kavana Pump house	22 January 2021
6	Arakuzha Moozhi Bridge	22 January 2021
7	Ponneth Kadavu	22 January 2021
8	Muvattupuzha Bridge	22 January 2021
9	Puzhakarakadavu	22 January 2021
10	Triveni Sangamam	22 January 2021

Station	Temperature	pН	EC	DO	BOD	COD	NH ₄ -N	NO ₃	Chlorides	PO ₄ ³⁻	TC
ID	(⁰ C)		(µS/cm)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	MPN/100 mL
1	28	5.5	45	7.2	1.8	3.1	0.00062 5	1.6	16	0.003	220
2	26	6	50	6.8	2.4	2.9	0.00053 5	1.7	26	0.002	240
3	30	6.2	60	6.4	3.2	2.6	0.00055 5	1.6	32	0.002	220
4	28	5.8	62	5.8	4	3.2	0.00065 0	1.5	38	0.003	170
5	26	6.2	74	7.4	1.6	3.5	0.00050 0	1.5	40	0.005	140
6	28	6.4	80	6.2	2.8	2.8	0.00050 5	1.5	24	0.003	220
7	30	6.8	76	5.8	4.8	2.9	0.00065 0	1.6	16	0.002	220
8	27	5.8	60	7.8	2	3.1	0.00065 0	1.5	22	0.003	140
9	26	6	76	8	1.6	3.5	0.00053 5	1.6	42	0.003	220
10	32	7	90	6.4	5.2	3.3	0.00054 5	1.6	38	0.003	240

Date of analysis:

Classification of water for best designated uses

CLASS OF WATER AS PER IS:2296

Classification	TYPE OF USE					
ClassA	Drinking watersourcewithoutconventional treatmentbut afterdisinfection					
ClassB	Outdoorbathing					
ClassC	Drinking watersourcewith conventional treatment followed bydisinfection.					
ClassD	Fish culture and wild life propagation					
ClassE	Irrigation,industrial cooling orcontrolled waste disposal					

Characteristics	Designated best use				
Characteristics		Desig	gnated b	est use	_
	A	В	C	D	E
Dissolved Oxygen (DO)mg/l, min	6	5	4	4	-
Biochemical Oxygen demand (BOD)mg/l, max	2	3	3	-	-
Total coliform organisms MPN/100ml, max	50	500	5,000	-	-
pH value	6.5-8.5	6.5-8.5	6.0-9.0	6.5-8.5	6.0-8.5
Colour, Hazen units, max.	10	300	300	-	-
Odour	Un-obje	ctionable		-	-
Taste	Tasteless	-	-	-	-
Total dissolved solids, mg/l, max.	500	-	1,500	-	2,100
Total hardness (as CaCO ₃), mg/l, max.	200	-	-	-	-
Calcium hardness (as CaCO ₃), mg/l, max.	200	-	-	-	-
Magnesium hardness (as CaCO ₃), mg/l, max.	200	-	-	-	-
Copper (as Cu), mg/l, max.	1.5	-	1.5	-	-
Iron (as Fe), mg/l, max.	0.3	-	0.5	-	-
Manganese (as Mn), mg/l, max.	0.5	-	-	-	-
Cholorides (as Cu), mg/l, max.	250	-	600	-	600
Sulphates (as SO ₄), mg/l, max.	400	-	400	-	1,000
Nitrates (as NO3), mg/l, max.	20	-	50	-	-
Fluorides (as F), mg/l, max.	1.5	1.5	1.5	-	-
Phenolic compounds (as C2H5OH), mg/l,	0.002	0.005	0.005	-	-
max.					
Mercury (as Hg), mg/l, max.	0.001	-	-	-	-
Cadmium (as Cd), mg/l, max.	0.01	-	0.01	-	-
Salenium (as Se), mg/l, max.	0.01	-	0.05	-	-
Arsenic (as As), mg/l, max.	0.05	0.2	0.2	-	-
Cyanide (as Pb), mg/l, max.	0.05	0.05	0.05	-	-
Lead (as Pb), mg/l, max.	0.1	-	0.1	-	-
Zinc (as Zn), mg/l, max.	15	-	15	-	-
Chromium (as Cr ⁶⁺), mg/l, max.	0.05	-	0.05	-	-
Anionic detergents (as MBAS), mg/l, max.	0.2	1	1	-	-
Barium (as Ba), mg/l, max.	1	-	-	-	-
Free Ammonia (as N), mg/l, max	-	-	-	1.2	-
Electrical conductivity, micromhos/cm, max	-	-	-	-	2,250
Sodium absorption ratio, max	-	-	-	-	26
Boron, mg/l, max	-	-	-	-	2

Surface Water Quality Standards (IS 2296:1992)



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109. GIS Survey in Marady Block Panchayath

71 Students from Civil Engineering Department conducted GIS Survey in Marady Block Panchayath.

Fwd: Request to release the remuneration towards GIS survey conducted at Marady Panchayath 😕 🔤



Thanking you, Sincerely yours, Shine George, Asso: Professor& Head, Dept: of Civil Engineering, VJCET

110. Black Spot Identification

A REPORT ON REMEDIAL MEASURES FOR IDENTIFIED BLACK SPOTS

Prepared by

EMMANUEL JOSE GOKUL P.P EMIN ELDHO MATHEW MELVIN PAUL BENNY ROJI P RAJU SARASWATHI MENON P N MIRFATH TOBIN JOY



DEPARTMENT OF CIVIL ENGINEERING VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY, VAZHAKULAM

Ms. Shine George

Head of Department

Department of Civil Engg, VJCET

INTRODUCTION

A traffic collision, or a road accidents, occurs when a vehicle collides with another vehicle, pedestrian, animal, road debris, or other stationary obstruction, such as a tree, pole or building. These often result in injury, death, and property damage. Road accidents are on the rise in the State and efforts are being made from every quarter to make our roads safer. The figures for those killed on the roads in India came down by 4,560 or 3% in 2017 from 1.51 lakh the previous year. This could be attributed to these efforts by different agencies. In continuation with this, at the behest of the Police Department, Reconnaissance surveys were carried out at the given 7 Black spots in and around Muvattupuzha to identify the causes for the accidents and to suggest remedial measures for the same by a Team of 8 students from Viswajyothi College of Engineering and Technology, Vazhakulam, Muvattupuzha, accompanied by a faculty and Police personnel on 5th April 2018. The locations were:

- 1. Thrikkalathoor Societyppady
- 2. Kakkadassery Junction
- 3. Vazhappilly Milma
- 4. Pezhakkappilly Sabine Hospital Junction
- 5. THrikkalathoor Temple Junction
- 6. Adooparambu (Mavinchod)
- 7. Nirmala College Area

This report gives the problems identified at these locations and the remedial measures that may be adopted.

THRIKKALATHOOR SOCIETYPPADY

The accidents occurring in this area were said to be head-on collisions and most were said to have happened during the night due to sleepy drivers. The following problems were identified at the location.

- a) Road Markings in the region are completely faded.
- b) Road Markings with yellow paint has not been given at the curves.
- c) Extra-widening is provided at the curves (adequacy of which may be checked); but the lane width is marked as the same as that in the straight portions.
- d) Vehicles are moving at very high speeds even at the curves which can lead to accidents while negotiating the curve.



Faded markings

Remedial measures

- a) Road Markings have to be redone
 - Redrawn wherever it has faded
 - Yellow road paint to be used wherever required
 - Markings at the curves may be done after considering the extra-widening at the curve.
- b) Provision of providing Speed control measures such as Speed Cameras, Rumble strips etc. maybe explored.
- c) Medians may be constructed along the road to separate the traffic in both directions and to avoid Head-on Collisions. These have to be provided with proper warning.

KAKKADASSERY JUNCTION

At Kakkadassery Junction, the curves and the narrow bridge leading onto it cause huge conflicts and confusions leading to the accidents. Some of the discrepancies found at the site are.

- a) Warning sign for "Intersection" is not provided.
- b) There is a bus waiting shed in the centre of the intersection which may cause congestions especially during the peak hours.
- c) Bus stops are at curves leading to congestion and sight distance problems.
- d) Auto rickshaw stand is also in the intersection thereby reducing the effective width of the roadway.
- e) No speed control measures have been employed.
- f) Bridge site
 - The bridge is narrow with roadway width given as 6.8 m.
 - No footpath on the bridge for pedestrians.
 - The Guard rails on the bridge are not of adequate height.
 - The strengthening of pavement over the years has probably formed dangerous drop at the edges making it unsafe for pedestrians.
 - There is a Flex board placed blocking the sight for vehicles on the curve arriving towards the bridge.
 - Entry from the bridge into the intersection is via a descending curve which adds to the lack of sight distance for the vehicles / drivers on the bridge, causing rear-end collisions.
 - Warning sign for "Bridge" is not provided.



Bus stop in the centre of intersection



Auto-rickshaw stand in the intersection





Flex board obscuring line of sight

Pavement edges and short guard rail on the bridge

Remedial Measures

- a) Warning signs for "Bridge", "Intersection" etc. maybe provided at the required locations
- b) Proper channelizing islands maybe provided so that the vehicles may move as orderly streams with less conflicts. In such a case, the bus stop at the centre will have to be removed and there will be have to be a traffic island in its place.
- c) Bus stop locations have to be shifted away from the intersection and the curves with provision for separate Bus-bay.
- d) Auto stand location may also be shifted so as to not reduce the roadway width at the intersection and maybe provided near Bus stops.
- e) Provision of providing Speed control measures such as placing of Speed Cameras, Rumble Strips etc. maybe looked into.
- f) Bridge site
 - Flex placed blocking the sight for vehicles on the curve has to be removed.
 - Bridge is long due for reconstruction with more width, footpath, guard rails etc.
 - A Foot Over Bridge (for example, a steel bridge) may be erected for the safety of pedestrians if the reconstruction of bridge will take time.
 - Dangerous drop at the pavement edges on the bridge has to be cleared and levelled.
 - Warning maybe given to the drivers as to the descending curve at the bridge end leading into the intersection.
 - In case of reconstruction of bridge, provision for alternate site for bridge maybe reconnoitred.

VAZHAPPILLY MILMA

The area in front of Milma at Vazhappilly has vehicles moving at high speeds. The main discrepancies found at the site are;

- a) Road markings have faded.
- b) 2 manholes are present on the road which causes confusion to the drivers (as they see the preceding vehicle moving to the side) and discomfort to the passengers (surface is not level)
- c) Vehicles are moving at very high speeds and can lead to head-on collisions



Faded markings on the road

REMEDIAL MEASURES

- a) Faded road markings have to be marked again carefully giving required width for the lanes.
- b) Surface of the road around the manholes has to be levelled.
- c) Providing Medians for separating traffic in both directions maybe explored.

PEZHAKKAPPILLY SABINE HOSPITAL JUNCTION

Accidents observed in this area were Head-on collisions as well as collision of vehicles entering into the M.C. Road from sides. Certain problems that were observed are

- a) Road Markings in the area has completely faded.
- b) Warnings signs for "Hospital", "Intersection" etc. are missing.
- c) Road surface was found to be muddy, especially towards the sides which can lead to reduction in the friction of the surface.

REMEDIAL MEASURES

- a) Proper Road Markings have to be provided.
- b) Warnings signs for "Hospital", "Intersection" etc. maybe fixed at appropriate locations.
- c) Condition of road surface and the drain has to be inspected and maintained.

THRIKKALATHOOR TEMPLE JUNCTION

This location consists of a sharp curve and then a straight portion. The accidents mostly involved Head-on Collisions or that involving pedestrians. The following problems were observed at site.

- a) The Zebra Crossing for this Intersection is provided right after the curve, making it difficult or impossible for vehicles coming at high speeds to slow down for the pedestrians at the crossing.
- b) Lack of sight distance at the curve.
- c) The cross section of the straight portion, at a glance seems to have banking towards one side and the drains are located on the elevated side.



Zebra Crossing near the curve

REMEDIAL MEASURES

- a) The location of the Zebra Crossing maybe shifted a little away from the curve for the
- safety of pedestrians. b) Speed control at the curve has to be strictly exercised.
- c) The cross sectional geometry has to be checked and given proper corrections wherever necessary to ensure drainage.
- d) Possibility of providing medians at the curve maybe explored so as to separate the traffic.

ADOOPARAMBU (MAVINCHOD)

This is a T- intersection with a side road towards Kothamangalam from the Muvattupuzha -Thodupuzha SH. Most of the accidents were said to be Rear-end collisions. The following discrepancies were found at the site.



a) Warning sign for "Intersection" is missing.

b) Road Markings are faded.

c) Lack of sight distance the at Intersection.

d) Hump does not have reflectors.

e) Sign board giving directions does not give adequate early warning to the turning traffic.

REMEDIAL MEASURES

- a) Warning sign for "Intersection" has to be provided.
- b) Road Markings have to be done.
- c) Fixing of Convex mirror at the intersection can give early warning to incoming traffic.
- d) Reflectors maybe fixed on the Hump for better Night visibility of the same.

Sharp Curve

e) Sign board giving directions has to be installed at a location as to give required early warning to turning traffic.

NIRMALA COLLEGE AREA

2 locations – one near Nirmala School and the other in front of Nirmala college – were identified as Black Spots

Nirmala School Area

Most of the accidents were pointed out as rear end collisions. The following problems were identified at the location.

- a) Rumble strips
 - It is provided on a descending curve from the Vazhakulam side, making it invisible to drivers coming from the direction until they reach the spot.
 - Warning sign for "Rumble Strips" has not been provided on both sides to warn drivers.
 - Rumble strips are long due for maintenance and the markings have become nonexistent.
- b) "School Zone" sign is obstructed from view by branches and the same has been provided only for vehicles from Muvattupuzha side.
- c) "Cross Road" sign is also missing in the area.
- d) Separate Bus Bay is not provided, and the present location of Bus Stop can lead to congestions and accidents.



Rumble strips on the descending curve



Strips due for maintenance



Obscured "School Zone" Sign board

Remedial Measures

- a) Rumble strips
 - Either the location of the strips maybe changed or alignment altered slightly so that rumble strips are visible from a distance.

- It needs to be repaired and made according to IRC specifications with proper markings so as to ensure visibility during night also.
- Warning sign has to be provided on both sides.
- b) "School Zone" sign is to be provided for vehicles from Vazhakulam side also and the one existing has to be cleared of obstructions.
- c) "Cross-Road" sign has to be installed at proper locations.
- d) Bus stop may be relocated (away from strips) and provision for providing a separate bus-bay maybe explored.

Nirmala College Area

Accidents occurring in this area were mostly pointed out as related to the educational institution.

The following problems were observed.

- a) There is absolutely no sight distance available in the T-intersection formed by the road coming from Nirmala College and Vazhakulam-Muvattupuzha Road. The buildings on both sides hinder the view of drivers.
- b) No speed control measures are established at the entry to the SH from College Road.
- c) Speed limit is set which is not being followed.
- d) Students pour onto the road during the evening peak time obstructing the movement of vehicles.

Remedial Measures

- a) The fixing of a convex mirror at a prominent location can help the drivers to be warned of any incoming traffic since nothing can be done about the line of sight being obstructed by the buildings.
- b) Speed control measures such as "Hump" maybe provided before entering into the intersection especially on the College Road.
- c) Presence of enforcement agency, atleast during the peak hour hours, can help in maintain an orderly traffic.

SUMMARY

Apart from these remedial measures, Warning Sign for "Black Spots" have to be fixed at the locations so as to warn the road users. Signs and Markings to be provided at each of these locations have to be given first preference.

This report has been prepared after the site visit and inspection. Further Detailed investigations have to be carried out for the "Black Spots" regarding the nature of accidents and the reasons for the same.



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Established in 2001

111. Preparation of a House Plan

Prepared plan for the house belonging to Mr. Thomas Mathai residing at Pothanicadu Panchayathu.





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Established in 2001

112. Transportation Planning for Kondotty Town

Four students conducted traffic studies and transportation planning for Kondotty Town in association with NATPAC.






Delhi & Affiliated to APJ Abdul Kalam Technological University Kalam Technological University

ABSTRACT

ISWAJYO

ENGINEERING & TECHNOLOGY

Kondotty is a developing town in Malappuram district located between the towns of Kozhikode and Palakkad. Even though Kondotty have wide network of roads, the rising trend of traffic in the town require adequate planning. For analysing the present condition of the traffic in the town, traffic and transportation studies were conducted by National Transportation Planning and Research Council (NATPAC) and we were associated with them in their work. We have selected four major locations within the town for our project due to time constrain. Primary surveys such as road inventory survey, parking accumulation survey, pedestrian survey, link volume study etc were conducted in the study area. The data obtained from the survey were analysed and the traffic problems and link deficiencies was found. The areas where proper care and development is required was found out. The improvements required was planned for the horizon years. Short, medium and long term improvement proposals were made for resolving the traffic issues in the study area. The short term remedies include provisioning of traffic signals, zebra crossing, design improvements of road networks etc whereas the long term development schemes includes planning and proposals of new ring roads, parking infrastructure, missing links, overbridges etc.

Keywords: Primary surveys, Horizon year, Homogenous section, Link volume, Ring Road, Equivalent car space (ECS), PCU





113. Swapnaveedu

CE staff and students prepared architectural drawing and involved in the construction activities of the house for a financially backward family.



Fig: Swapnaveedu: Laying Plinth Belt

VISWAJYOTHI COLLEGE OF ENGINEERING&TECHNOLOGY, VAZHAKULAM

SWAPNAVEEDU PROJECT

List of faculties and students involved for the preparation of plan

Faculty List

- 1. Ms. Shine George, H.O.D, CED
- 2. Mr. Anoop C.K
- 3. Mr. Daniel A.V
- 4. Mr. Vishnu Krishnan
- 5. Mr. Appu John
- 6. Mr.Lins Paul Kuriakose
- 7. Mr. Basil Baby

Student List

- 1. ABIN SILVEN
- 2. AJITH P SHAJI
- 3. JISMON ALIAS
- 4. JOWIN MATHEW JOHN
- 5. RAHUL P R
- 6. DIYA JAGDISH
- 7. SNEHA ELSA CHERIAN
- 8. ALEENA PAULY
- 9. DEVIPRIYA E CHANDRAN
- 10. GODWIN MATHEW ABRAHAM
- 11. RAMSHID N S
- 12. TOBIN JOY
- 13. JIJO THOMAS
- 14. JOHN MATHEW
- 15. DON VARGHESE
- 16. EBIN KURIAKOSE
- 17. MERIN MATHEW
- 18. TOM D EDAPAZHATHIL
- 19. AJITH P S
- 20. AKASH ROY
- 21. K. JOSE FRANCIS
- 22. AMAL FRANCIS
- 23. BASIL JOSEPH BABY
- 24. SANJU K JAMES
- 25. SHANU A KARIM
- 26. SHARON PHILIP
- 27. JERALD BABY JOSEPH
- 28. JERRIN T THANKACHAN
- 29. JINU JOHN

- 30. JOHNS MATHEW
- 31. AJAY BALAN
- 32. AMAL JOHN
- 33. ANAND RAMESH
- 34. AJU JOAN GEORGE
- 35. ALISHABAN NAZAR
- 36. RISHIRAJ P MONI
- 37. SHYSON SUNNY
- 38. TOM KACHAPPILLY
- 39. VISHNU UNNIKRISHNAN
- 40. MARSHAL TOMY







114. Preparation of Plans and Estimation of Houses

Prepared plans and estimated the cost for 47 houses which were completed as per "life Mission" of Kerala Government in Muvattupuzha Block Panchayath.

31/10/2017 നം.ബി 1056/2017 സെക്രട്ടറി മുവാറ്റുപുഴ ബ്ലോക്ക് പഞ്ചായത്ത് പ്രിൻസിപ്പൽ വിശ്വജ്യാതി എൻജിനീയറിംഗ് കോളേജ് വാഴക്കുളം . സർ വിഷയം :- പൂർത്തീകരിക്കാത്ത ഭവനങ്ങളുടെ പൂർത്തീകരണം-ഉത്തരവ് നൽകുന്നത് സംബന്ധിച്ച് സുചന :- 1) ലൈഫ് മിഷൻ ചീഫ് എക്സിക്യൂട്ടീവ് ഒഠഫീസറുടെ 04/10/2017 ലെ LF/01(03)/2017 ലെ ഉത്തരവ് 2) LSGD വകുപ്പിന്റെ 11/10/2017 ലെ 196/2017/തസ്വഭവ. മേൽ സൂപനയിലേക്ക് ശ്രദ്ധക്ഷണിക്കുന്നു. ലൈഫ് മിഷൻ പദ്ധതിയുടെ ഭാഗമായി പൂർത്തീകരിക്കാത്ത ഭവനങ്ങൾ പൂർത്തീകരിക്കുവാൻ വളരെ അടിയന്തിര നടപടികൾ സ്വീകരിക്കണമെന്ന് ഗവൺമെന്റ് ഉത്തരവായിട്ടുണ്ട്. ഓരോ ബ്ലോക്ക് പഞ്ചായത്ത് പ്രദേശങ്ങളിലെ ലൈഫ് പദ്ധതിയുമായി ബന്ധപ്പെട്ട പ്രവർത്തനങ്ങളിൽ സഹായിക്കുന്നതിനായി റ്റി.പി.റ്റി.എ കളെ ഗവൺമെന്റ് ചുമതലപ്പെടുത്തിയിട്ടുണ്ട്. മുവാറ്റുപുഴ ബ്ലോക്ക് പഞ്ചായത്തിലെ പ്രവർത്തനങ്ങളെ സഹായിക്കുവാൻ താങ്കളുടെ എൻജിനീയറിംഗ് കോളേജിനെയാണ് ഗവൺമെന്റ് റ്റി.പി.റ്റി.എ ആയി പുമതലപ്പെടുത്തിയിട്ടുളളത്. തുടർന്നുളള പ്രവർത്തനങ്ങളിൽ താങ്കളുടെ കോളേജിന്റെ സഹകരണം പുർണ്ണമായി ഉണ്ടാകണമെന്ന് അഭ്യർത്ഥിക്കുന്നു. വിശ്വസ്തതയോടെ മുവാറ്റുപുഴ ബ്ലോക്ക് പഞ്ചായത്ത്



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നമ്പർ ബി. 265/2018

മുവാറ്റുപുഴ ബ്ലോക്ക് പഞ്ചായത്ത് തീയതി, 18/01/2018

സാക്ഷ്യപത്രം

Secretary Block Panchayat Muvattupuzha





115. Preparation of Plans and Estimation of Houses

Prepared plans and estimated cost for 14 houses which were completed as per 'Pradhan Mantri Awas Yojana' in Avoly Grama Panchayathu.

"അണമാഷ മാതൃഭാഷ" തിയതി: 18/07/2017 പ്രേഷകൻ, പ്രോജക്ട് ഡയറക്ടർ സീകർത്താവ്. എല്ലാ പി.എം.എ.വെ.(ജി) ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികൾക്കം (ലിസ്റ്റ് പ്രകരം) സർ, വിഷയം: പി.എ.യൂ-എറണാകളം- പി.എം.എ.വൈ(ജി) വേനപദ്ധതി- ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേജന്നത് – സംബന്ധിച്ച് സൂപന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്&ടിട/16/സി.ആർ.ഡി നമ്പർ കത്ത്. എറണാകളം ജില്ലയിലെ തദ്ദേശന്ധയംഭരണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിന്തുള്ള ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസി ഏജൻസിയാമ താങ്കളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളയാണ്. ജില്ലാതലത്തിൽ ടെക്തീക്കൽ സപ്പോർ എറണാകളം ജില്ലയിലെ തദ്ദേശന്ധയംഭരണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിനുള്ള ചെണ്ടിക്ക് സപ്പോർട്ട് എജൻസി ഏജൻസിയാമ താങ്കളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളയാണ്. ജില്ലാതലത്തിൽ ടെക്തീകൽ സപ്പോർ എറണാകളം തില്ലയിന്റെ തെട്ടിയത്തിമോയി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസന കമ്മീഷൺ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചെരുത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 11 മണിയ്ക്ക് കാമനോട് സിവിൽ സ്റ്റേഷനിലെ ദാരിശ്ര ലംഘുകത്തെവിഭാഗം കോൺഫാൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താടെളോ പ്രധീനിധിയോ പങ്കെടുക്കവാൻ താല്ലത്യപ്പെടുന്നു. വിശസ്തതയോലെ പ്രോജംക് പ്രോമംപ്പോളംക്ക് പഞ്ചായത്ത് (ഒരെ എസ്.ഐ.യുടെ അധിക ചൂമതല വ്വിക്കന്ന അകമാലി ബ്ലോക്ക് പഞ്ചോയത്തിലെ ഇ.ഒം, (പിപ്പോം) ഗ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പെങ്കുംക്ഷണതിന് പഞ്ചതിക്ക് പ്രെക്ടിന്റെ പ്രതം വികമന്ന് മോഗത്തിൽ പാങ്കളുക്ഷേണതിന്		മുന്നാം നില സിവിൽ സ്റ്റേഷൻ കാക്കനാട്-682030 ഫോൺ :2422221 ഇ-മെയിൽ-pauernakulam@gmail.com
മല്ലോക്ക് മാത്ര്യമാഷ് തിയതി: 18/07/2017 പോ. 2.4456/2016/പി.എ.യു (2) തിയതി: 18/07/2017 പ്രേഷകൻ, പ്രോജേര് ഡയറക്ട്ടർ സ്നീകര്ത്താവ്, എല്ലാ പി.എ.യു-എറണാകളം- പി.എ.എ.വെ(ല്ലി) വെന്നപദ്ധതി- ടെക്നിക്കൽ ഡപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേരുന്നത് - സംബന്ധിച്ച്. സൂചന: ഗ്രാമവികസന കമ്മീഷണാറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്&315/18/ന്നി.ആർ.ഡി നമ്പർ കൽ്. 		
പ്രേഷകൻ, പ്രോജക് ഡയറക്ട്ടർ സ്വീകർത്താവ്. എല്ലാ പി.എം.എ.വെ.(ജി) ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികൾക്കം (മിസ്റ്റ് പ്രകാരം) സർ, വിഷയം: പി.എ.യു-എറണാകളം- പി.എം.എ.വെ(ജി) വേനപദ്ധതി- ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേജന്നത് - സംബന്ധിച്ച് സൂചന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്&ടി5/16/സ്വി.ആർ.ഡി നമ്പർ കത്ത്. എറണാകളം ജില്ലയിലെ തദ്ദേശന്ധയംഭരണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിനുള്ള ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസി ഏജൻസിയായ താങ്കളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളയാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ; എടെന്നാകുളം ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസം കമ്മീഷണർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സംഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 11 ഒണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിശ്ര ലംബൂകതെമ്പിഭാഗം കോൺഫറൺന ഹാളിൽ പ്രഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധീനിയിയോ പങ്കെടുക്കവൻ താല്ലര്യപ്പെടുന്നു.	mC.445	6/2016/പി.എ.യു (2) തിയതി: 18/07/2017
പ്രോജ്ഷ് ഡയറക്ട്ടർ സീകർത്താവ്, എല്ലാ പി.എം.എ.വൈ.(ജി) ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികൾക്കം (ലിസ്റ്റ് പ്രകാരം) സർ, വിഷയം: പി.എ.യു-എറണാകളം- പി.എം.എ.വൈ(ജി) വേനപദ്ധതി- ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേരുന്നത് – സംബന്ധിച്ച് സൂപന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്8ടിട/16/സി.ആർ.ഡി നമ്പർ കത്. എറണാകളം ജില്ലയിലെ തദ്ദേശന്ധയംരേണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിനുള്ള ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസി എജൻസിയാത താകളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളയാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ ജെൻസികളുടെ ഒര് യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂപന്വപ്പകാരം ഗ്രാമവികസന കമ്മീഷൺ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 1: മണിയ്ക്ക് കാമനോട് സിവിൽ സ്റ്റേഷനിലെ ദാരിശ്ര്യ ലഘുകരണവിഭാഗം കോൺഫാൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളോ പ്രധീനിയിയോ പങ്കെടുക്കവാൻ താല്ലരുള്ളുന്നു. 	CLORE	nô
സ്വീകർത്താവ്, എല്ലാ പി.എം.എ.വൈ.(ജി) ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികൾക്കും (ലിസ്റ്റ് പ്രകാരം) സർ, വിഷയം: പി.എയു-എന്നൊകളം- പി.എം.എ.വൈ(ജി) വേനപദ്ധതി- ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേജന്നത് –സംബന്ധിച്ച്. സൂചന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്&ടിട/16/സി.ആർ.ഡി നമ്പർ കൽ. 	d anna anna anna anna anna anna anna an	പാജക്ക് ഡയറക്ടർ
ക്ലെറ്ററ്റ് പി.എം.എ.വെ.(ജി) ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികൾക്കം (ലിസ്റ്റ് പ്രകാരം) സർ, വിഷയം: പി.എ.യൂ-എറണാകളം- പി.എം.എ.വെ(ജി) വേനപദ്ധതി- ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേജനന്ത് -സംബന്ധിച്ച്. സൂചന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്ട്ടിട/16/സി.ആർ.ഡി നമ്പർ കൽ. 	സ്വീകർത	താവ്,
വിഷയം: പി.എ.യു-എറണാകളം- പി.എം.എ.വൈ.ലവ(ജി) വേനപദ്ധതി- ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികളുടെ യോഗം ചേരുന്നത് -സംബന്ധിച്ച്. സൂചന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്&ടി5/16/സി.ആർ.ഡി നമ്പർ കത്. 	എ	ല്ലാ പി.എം.എ.വൈ.(ജി) ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസികൾക്കും (ലിസ്റ്റ് പ്രകാരം)
സൂചന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ 18977/എച്ച്&ടിട/16/സി.ആർ.ഡി നമ്പർ കത്ത്. 	000, 0	ിഷയം: പി.എ.യു–എറണാകളം– പി.എം.എ.വൈ(ജി) ഭവനപദ്ധതി– ടെക്നിക്കൽ സപ്പോർട്ട് ഏജൻസികളൂടെ യോഗം ചേരുന്നത് –സംബന്ധിച്ച്.
18977 എച്ച് & ടിട്ട/16/സി.ആർ.ഡി നമ്പർ കത്ത്. 		സൂചന: ഗ്രാമവികസന കമ്മീഷണറുടെ 11.07.2017 തീയതിയിലെ
എറണാകളം ജില്ലയിലെ തദ്ദേശസ്വയംഭരണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാണ യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിനുള്ള ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസി എജൻസിയായ തങ്കെളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളതാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ ഏജൻസികളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസന കമ്മീഷൺർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 1: മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫാൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളോ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്പര്യപ്പെടുന്നു. വിശ്വസ്തതയോടെ പ്രോജക് ഡിഡിംക്ട് വഞ്ചായത്ത് (ഞ്ഞ എസ്.ഐ-യുടെ അധിക പുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒം, (പി&എം) ശ്രീ.ഏ.വി. പ്രദീപ്പ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നടംതിലെ തിരുന്നും സ്തിക്കുന്നു പങ്കെമാലി ബ്ലോക്ക്		18977/എച്ച്&ട്ടി5/16/സി.ആർ.ഡി നമ്പർ കത്ത്.
എറണാകളം ജില്ലയിലെ തദ്ദേശസ്ഥയംഭരണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിനുള്ള ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസി ഏജൻസിയായ താങ്കളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളതാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ ഏജൻസികളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസന കമ്മീഷണർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 1: മണിയ്ക്ക് കാമനൊട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്ലര്യപ്പെടുന്നു. വിശ്വസ്തതയോണ്ടെ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ഒരു എസ്.ഐ-യുടെ അധിക പുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒം, (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നട്ടേതിലെ ഇ.ഒം, (പിക്സംസംസ്കാന് സംബോഗത്തിൽ പങ്കെടുക്കുന്നതിന്		
പുറങ്ങാങളാല് ജില്ലയിലെ തദ്ദേശസ്ഥാരത്തേ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന യോജന (ഗ്രാമീൺ) പദ്ധതി നടത്തിപ്പിനുള്ള ടെക്നിക്കൽ സപ്പോർട്ട് എജൻസി ഏജൻസിയായ താങ്കളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളതാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ ഏജൻസികളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസ്ഥ കമ്മീഷൺർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 1: മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്പര്യപ്പെടുന്നു. വിശാസ്തതയോടെ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക പുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒം, (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നടപ്പികൾ പങ്കെടുക്കുന്നത്തിന് ത്രോഗത്തിൽ പങ്കെടുക്കുന്നതിന്		
യെടെന്ന് സ്രാമ്പണ്) പലയി നടത്തിപ്പന്തള്ള ടെകനിക്കൽ സപ്പോർട്ട് എജൻസി ഏജൻസിയായ താങ്കളുടെ സ്ഥാപനത്തെ തിരഞ്ഞെടുത്തിട്ടുള്ളതാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ ഏജൻസികളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനുപകാരം ഗ്രാമവികസന കമ്മീഷണർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 1: മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്ലര്യപ്പെടുന്നു. വിശ്വസ്തതയോടെ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്ലര്യപ്പെടുന്നു. പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഓ. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നമ്പിത്തിലെ ഇ.ഓ. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന്	സോജന	(ഗ്രാമീൺ) ബ്ലെയിലെ തിദ്ദേശസായംഭരണ സ്ഥാപനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന (ഗ്രാമീൺ) ബ്ലെയി താണ്ട്രി പോപ്പ് പോപ്പനങ്ങളിലെ പ്രധാനമന്ത്രി ആവാന
പാകളുംട് സ്ഥാപനത്തെ തെഞ്ഞെടുത്തിട്ടുള്ളതാണെ. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ ഏജൻസികളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസ്ഥ കമ്മീഷണർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തിയതിയിൽ രാവിലെ 1. മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കുവാൻ താല്പര്യപ്പെടുന്നു. വിശാസ്തതയോടെ പ്രകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ഒരു എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒറ് (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നമാനത്തിലെ ഇ.ഒറ് (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന്	@0000000	(ഗ്രാമാണ) പാലത് നടത്തിപ്പന്തുള്ള ടെകനിക്കൽ സപ്പോർട്ട് എജൻസി ഏജൻസിയായ
പ്പുളപ്പോസ്കളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസ്ഥ കമ്മീഷണർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 11 മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്പര്യപ്പെടുന്നു. വിശാസ്തതയോടെ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒറ. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നമാഗത്തിലെ ഇ.ഒറ. (പി&എം) സ്പംബം സ്പംബിക്കുന്നത്തം പങ്കെടുക്കുന്നതിന്	ത്രങ്ങളും	ം സ്ഥാപനത്തെ തരഞ്ഞെടുത്തിട്ടുള്ളതാണ്. ജില്ലാതലത്തിൽ ടെക്നിക്കൽ സപ്പോർ പോകും പോകും പാം
കമ്മീഷണർ നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 1 മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്ലര്യപ്പെടുന്നു. വിശ്വസ്തതയോടെ പ്രധാജക്ക്ഡയംക്ട്രാ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഓ. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നുംഗ്രീകൾ പങ്കെടുക്കുന്നതിന്	OBSERVOUR	കളുടെ ഒരു യോഗം അടിയന്തിരമായി നടത്തുന്നതിന് സൂചനപ്രകാരം ഗ്രാമവികസന
മണിയ്ക്ക് കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിദ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കുവാൻ താല്പര്യപ്പെടുന്നു. വിശ്വസ്തതയോടെ പ്രോജക്ക്ഡയഗ്ക്ട്ടറി പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒറ. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നപ്പോയം സ്പെട്ടാം സ്പോണം പാതാലെ വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക്	കമ്മീഷം	nd നിർദ്ദേശിച്ചിട്ടുണ്ട്. ഈ സാഹചര്യത്തിൽ 25.07.2017 തീയതിയിൽ രാവിലെ 13
ഹാളിൽ (പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ പ്രധിനിധിയോ പങ്കെടുക്കവാൻ താല്പര്യപ്പെടുന്നു. വിശാസ്തതയോടെ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒം, (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നടപ്പികൾ പഞ്ചായത്തിൽ പങ്കെടുക്കുന്നതിന്	മണിയ്ക്ക്	കാക്കനാട് സിവിൽ സ്റ്റേഷനിലെ ദാരിശ്ര്യ ലഘുകരണവിഭാഗം കോൺഫറൺന
പ്രധിനിധിയോ പങ്കെടുക്കുവാൻ താല്പര്യപ്പെടുന്നു. വിശ്വസ്തതയോടെ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒര. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നപ്പോയം സ്പോട് പോയായത്ത്	ഹാളിൽ	(പഴയ ബിൽഡിംഗ്, മൂന്നാം നില) വച്ച് നടത്തുന്ന യോഗത്തിൽ താങ്കളേ
വിശ്വസ്തതയോടെ പേരാജക് ഡയ്ഗ് പേരാജക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചൂമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒര. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നപ്പോത് കൾ സ്പ്രോട് പോയായത്ത്	പ്രധിനിധ	യോ പങ്കെടുക്കുവാൻ താല്പര്യപ്പെടുന്നു.
വിശാസ്തതയോടെ പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒറ. (പി&എറ) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നപ്പോയം ത്രികൾ പായായാണ്		*
പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒര. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന്		വിശ്വസ്തതയോടെ
പകർപ്പ് : സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഓ. (പി&എം) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന്		Ainh
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പകരപ്പ : സ്രെക്ട്രറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത് (ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഒഠ. (പി&എഠ) ശ്രീ.എ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നപ്പോട് കുറ്റ് പുട്ടും പ്രോഗത്തിന്		*
(ജെ എസ്.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്തിലെ ഇ.ഓ. (പി&എം) ശ്രീ.ഏ.വി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന് നപ്പേടികൾ ബിഹിം മായായാല്)	പയര്പ്പ് :	സെക്രട്ടറി അങ്കമാലി ബ്ലോക്ക് പഞ്ചായത്ത്
നടപ്പികൾ താട് പലംഘം (വിരവ്വാം) ശ്രീഷ്യവി. പ്രദീപ് യോഗത്തിൽ പങ്കെടുക്കുന്നതിന്		പ്രജ എസ.ഐ-യുടെ അധിക ചുമതല വഹിക്കുന്ന അങ്കമാലി ബ്ലോക്ക് പഞ്ഞാസത്തിലെ ഇദ്ദം (പ്രീം കുട്ടും മോട്ട് കോട്ട്
12012310000 (1011000100060607500260071)		നടപടികൾ സ്ഥീകരിക്കേണ്ടതാണ്.)







POVERTY ALLEVIATION UNIT

District Panchayat, Ernakulam, 3rd Floor, Civil Station, Kochi - 682 030 Phone - 0484 2427530, 2422221, Fax- 0484 2422103, Email- pauernakulam@gmail.com

Duty certificate

This is to certify that Shri. Dr. Anoop C.K, Associate Professor, Viswajyothi College of Engineering has attended PMAY (G) Technical Support Agency meeting on 25/07/2017 at POVERTY ALLEVIATION UNIT, Ernakulam.

Place : Kakkanad Date: 25.07.2017

Project Director

188 RNAKULAM FORTH





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Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Avoly Grama Panchayath Date: 19/02/2018

OFFICE OF THE VILLAGE EXTENSION OFFICER

CERTIFICATE

Certified that

Mr./Ms. Nihal Noor

VAIYO

ERING & TEC

(8th semester Civil Engineering student, Viswajyothi College of Engineering and Technology, Vazhakulam)

has successfully submitted the plan and estimate for the reconstruction of 14 houses of Avoly Grama Panchayath, Vazhakulam,Ernakulam Dist. as a part of the Project Pradhan MantriAwasYojana –Gramin (PMAY-G).



EXTENSION OFFICER GRADE I





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Avoly Grama Panchayath Date: 19/02/2018

OFFICE OF THE VILLAGE EXTENSION OFFICER

CERTIFICATE

Certified that

Mr./Ms. R.Harikrishnan

AIY

(8th semester Civil Engineering student, Viswajyothi College of Engineering and Technology, Vazhakulam)

has successfully submitted the plan and estimate for the reconstruction of 14 houses of Avoly Grama Panchayath, Vazhakulam,Ernakulam Dist. as a part of the Project Pradhan MantriAwasYojana –Gramin (PMAY-G).









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Avoly Grama Panchayath Date: 19/02/2018

OFFICE OF THE VILLAGE EXTENSION OFFICER **CERTIFICATE**

ΆΙΥ

ERING & TEC

Certified that

Princy N Paul

(8th semester Civil Engineering student, Viswajyothi College of Engineering and Technology, Vazhakulam)

has successfully submitted the plan and estimate for the reconstruction of 14 houses of Avoly Grama Panchayath, Vazhakulam, Ernakulam Dist. as a part of the Project Pradhan MantriAwasYojana -Gramin (PMAY-G).



Mr./Ms.....

Extension Officer EXTENSION OFFICER GRADE I





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Approved by AICTE New Delhi & Affiliated to APJ Abdul Kalam Technological University

Avoly Grama Panchayath Date: 19/02/2018

BEEKH.K.K

OFFICE OF THE VILLAGE EXTENSION OFFICER

CERTIFICATE

Certified that

Mr./Ms. Maria James

VAIY

ERING & TEC

(8th semester Civil Engineering student, Viswajyothi College of Engineering and Technology, Vazhakulam)

has successfully submitted the plan and estimate for the reconstruction of 14 houses of Avoly Grama Panchayath, Vazhakulam,Ernakulam Dist. as a part of the Project Pradhan MantriAwasYojana –Gramin (PMAY-G).

EXTENSION OFFICE





Established in 2001

116. Cleaning of Govt. Ayurveda Hospital and Its Premises.

GOVT AYURVEDA HOSPITAL Karikode, Thodupuzha, Idukki, 685584 Ph:04862-226185,04862-220680

CERTIFICATE OF EFFORT AND SERVICE

This is to certify that a group of 12 students from Viswajyothi College Of Engineering and Technology, Vazhakulam has put their effort in cleaning Govt Ayurvedic Hospital and its premises for a duration of 12 days starting from 13 Jan 2016 to 24 Jan 2016.

Members:

Albin S Vayattattil, S3 CE Basil Joseph Baby, S3 CE R.Harikrishnan, S3 CE Jerald Baby Joseph, S3 CE Jerrin T Thankachan, S3 CE Jinu John , S3 CE K Jose Francis, S3 CE Manu Biju . S3 CE Milen Sunny Marian, S3 CE Nihal Noor, S3 CE Sanju K James, S3 CE Shanu A Karim, S3 CE





DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

117. **LED Bulb Distribution**

CSE staffs and S5 students assembled LED bulb at low cost and distributed to the houses of the Avoly Panchayath. The first distribution done by Head of the Department Prof.Dr.K N Ramachandran Nair on 16/06/2016



Fig: LED Bulb Distribution to the houses of Avoly Panchayath

118. Community Hall for Tribal Group

CSE staffs and S8 students constructed a community hall for the tribal group at Urulanthanni Village, Kuttampuzha on 13/2/2016



Fig: Community Hall