



3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

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Flood Relief Activities:

1. Collecting and distributing essential materials to the flood victims.

From 14th to 16th of August 2018, the NSS volunteers actively participated in collecting the necessary items of food and clothing from the Viswajyothi family to distribute in the relief camps 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. 1: Distribution of essential materials

2. Cleaning and doing chlorination to make the homes ready for living.

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.



VISWAJYOTHI

COLLEGE OF ENGINEERING & TECHNOLOGY

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Fig. 2: Cleaning of Flood Affected Homes



Fig. 3: Distribution of Essential Materials

3. Distribution of 200 Chekutty Dolls in the College campus to support the weavers of Chendamangalam Handloom Society, who lost their livelihood after the floods.

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 livelihood after the floods. The inauguration was done by giving the dolls to the principal at his office.

	<p>VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY</p> <p>National Service Scheme (Technical Cell) UNIT 197 & 587</p> <p>Chekutty – ചേരിനെ അതിജീവിച്ച കുട്ടി</p> <p>Contact Geroge M Roy - 8714 404 106 Basil Sunny -8943 832 271</p>	
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Fig. 4: Giving the dolls to the Principal Dr. Josephkunju Paul C

Helping the Needy:

4. POTHICHORU: - Distributing lunch packets in orphanages every Friday.

The NSS unit of Viswajyothi College of Engineering & Technology Vazhakulam conducted a 'Pothichoru Program' which deliver lunch packets every Friday to 'Providence Home', Nadukkara. Providence Home is an orphanage for mentally and physically challenged females.



Fig. 5: Distributing Lunch Packets to Providence Home



5. Solo Marathon: Fundraiser for the inmates of Emmanuel Charitable Trust

A Solo Marathon was held in the College grounds on May 6th, 2019, by Mr. Jibby Peter D'Cruz, Assistant Professor, ECE Dept for raising fund for the inmates of Emmanuel Charitable Trust

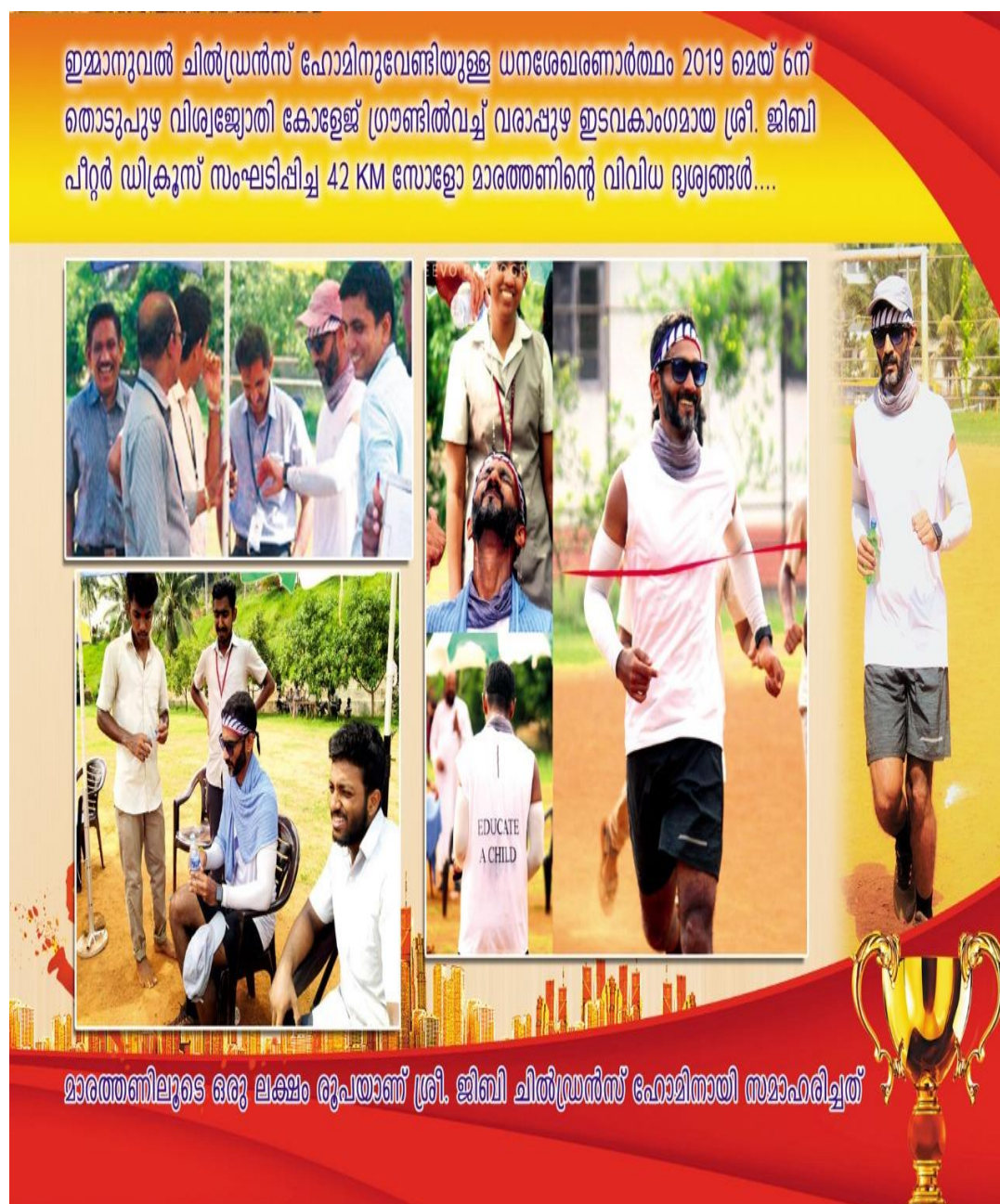


Fig. 6: Images of Solo Marathon held



Fig. 7: Prof. Jibby Peter D'Cruz completing the Marathon

6. SWAPNAVEEDU: A Home for a family with differently abled children.

Staff and students of Civil Engineering Department prepared plan and constructed a house for a financially backward family.



Fig. 8: Swapnaveedu in News



Fig. 9: Swapnaveedu- Laying Plinth belt

7. Community hall construction for a tribal group in Kuttampuzha

The Staffs of Computer Science Department and S8 students constructed a community hall for the tribal group at Urulanthanni Village, Kuttampuzha on 13/2/2016.



Fig. 10: Staffs & Students in front of the Community Hall along with the Tribal group



8. LIONATHALON: Sports Meet for Differently Abled

Lions club Muvattupuzha conducted 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.

9. Solar Panel Donation for 3 families in Mamalakandam, Kothamangalam for providing electricity connection.

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 coordinator Ron 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.



Fig. 11: The executive committee of UNAI visiting the families of Mamalakandam



Fig. 12: Setting of Solar Panel sets to the needy families

10. Distribution of Notebooks, Dresses, Toys for the needy.

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



Fig. 13: Santhvanam-Social Service Program at Kummittamkudy



11. "Smart Classroom Among the Woods" -Installing a smart classroom, with electricity connection in Kunjippara tribal-settlement colony school in Kuttanpuzha.

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). IEEE student chapter of VJCET installed a smart classroom with projector and laptops for the students of Kunjippara. They also built a solar panel of 2kW for the project. The project turned out to be more useful during the covid'19 pandemic, 110 students depending on this project for attending their online classes.



Fig.14: Initial Phases of Installation of Smart Classroom



Fig. 15: Final Phase of Installation of Smart Classroom

12. “Let's Unchain It”, Initializing automatic Hand sanitizer and automatic tap at Adimali Taluk Hospital and Government Taluk Hospital, Muvattupuzha.

An Automatic Hand Sanitizer and automatic tap was built and installed successfully in the Government Taluk Hospital, Muvattupuzha by student members of IEEE SB VJCET.



Fig. 16: Setting of Automatic Hand Sanitizer at Government Taluk Hospital, Muvattupuzha



Fig. 17: Final Phase of setting of Automatic Hand Sanitizer at Government Taluk Hospital, Muvattupuzha



Fig. 18: Setting of Automatic Tap at Government Taluk Hospital, Muvattupuzha

13. POWERED PROSTHESIS ARM- an innovative product developed in the FABLAB of VJCET, for helping the physically disabled.

The team from VJCET 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.



Fig. 19: Disabled Person- Allen Mathew trying the arm



Fig. 20: Powered Prosthesis Arm



Fig. 21: Powered Prostheesis Arm in News

Helping Hand towards the Local Community:

As part of a commitment to the local community, the college has conducted many medical camps and awareness programs such as

14. Medical Diagnostic Camp

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



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Fig. 22: Medical Diagnostic Camp by UNAI

15. HAIR –A-THON- Hair Donation Camp for cancer patients

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.



Fig. 23: Posters for HAIR –A-THON



Fig. 24: Various images of HAIR –A-THON



16. Blood Donation Camp

The National Service Scheme unit of VJCET, Vazhakulam has organized Blood Donation camps in the college campus in association with Chaplain Technologies, Blood Bank Aluva, & IMA Blood Bank Thodupuzha in the years 2015, 2016, 2017, 2018 & 2019.



Fig. 25: Various Images of Blood Donation Camp



17. Stem Cell Donor Registrations and Donation

Blood 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

NSS along with DATRI stem cell donor's 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 staff including NSS volunteers which accounted National level highest count on a single day during World Cancer week.



Fig. 26: Awareness Talk on Stem Cell Donation




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. 27: Donor Registrations of Stem Cell

18. Technology Enrichment programmes for Kudumbasree officials

Department of Mechanical Engineering conducted a technology enrichment programme for Kudumbasree officials from Avoly Gramapanchayath.



Mechanical Engineering Association aims to play a pivotal role in the development of students as engineers by various out-of-curriculum and extracurricular activities.

MEA organizes various activities like lectures and seminars by distinguished practitioners of the profession, industrial trips, training programs, competitions and technical fests. By way of its activities the association aims to be a platform for social and intellectual development for all the students in general and particularly of ME department.

Mechanical Engineering Association also coordinates various FDP programs conducted by IIT Bombay and IIT Kharagpur under NMEICT for internal and external faculty of various engineering colleges.

Vision
"Moulding socially committed engineers capable to meet the global challenges in the mechanical engineering stream"


Mission

1. To provide ample facilities to foster excellent ambience for teaching learning process in the department.
2. To enhance the creative ideas, analytical talents and soft skills in the students to cope up with the emerging trend in technical field.
3. To enable the students to meet real life problems in mechanical engineering with a zeal to human and ethical values.

Convener
Mr. Vinoj K
HOD/MED

Coordinators
Mr. Akhilraj P.R

"Moulding engineers par excellence with integrity, fairness and human values"



VISWAJYOTHI COLLEGE OF ENGINEERING AND TECHNOLOGY
VAZHAKULAM

**MECHANICAL ENGINEERING ASSOCIATION –
MAGNA
PRESENTS**

UDYOGA'18

TECHNOLOGY ENRICHMENT PROGRAMS FOR KUDUMBASREE
OFFICIALS-
AVOLY GRAMPANCHAYATH

AN ACADEMIC SOCIAL RESPONSIBILITY (ASR) INITIATIVE OF
MECHANICAL ENGINEERING DEPARTMENT

Date: Thursday, 2nd August 2018.

Venue: MED CAD LAB

Fig. 28: Poster for the Technology Enrichment Programme



19. Organ Donation & Blood 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 are 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.

20. "Sundhara Kochi" Project

On October 5th, 2017, NSS Volunteers actively involved in "Sundhara Kochi" project around Kakkannadu Collectorate Premises.



Fig. 29: Sundhara Kochi in News

21. Participation in building 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.



Fig. 30: Building of the Biodiversity Park in News

22. 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. 31: Maintenance work of the computers being done



23. Cleaning up of Road Sign Boards

On 4th November 2017, NSS Volunteers cleaned the Road Sign Boards from Anicadu to Vazhakulam stretch of State Highway 8 (SH-8).



Fig. 32: Cleaning of Road Sign boards

24. Assembled LED bulbs at low cost and distributed to nearby houses.

The Staffs of Computer Science Department and S5 students assembled LED bulbs at low cost and distributed those to the houses of Avoly Panchayat. The first distribution was done by Head of the Department Prof. K N Ramachandran Nair on 16/6/2016.



Fig. 33: The first distribution being done by HOD, CSE, Prof. K N Ramachandran



Swachh Bharath Abhiyan:

The college has organized events such as:

25. Cleaning the water bodies.

On 7th July 2018, the NSS volunteers involved in the cleaning of the local streams and water bodies under Swachh Bharat Abhiyan.

26. Removing over 1000 plastic bottles from nearby areas, for proper recycling and disposal.

On 27th and 28th June 2018, as part of Swachh Bharat Abhiyan, NSS volunteers initiated in removing the plastic bottle wastes on both sides of the road of the college. Around 1000 bottles were collected and were handed over to the panchayat authorities for proper recycling and disposal.



Fig. 34: Removing plastic bottle wastes from road sides.



27. Beautifying the surroundings of a nearby LP 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. 35: Cleaning the surroundings of Kavana L P School

28. Making of 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 Grama panchayat, in connection with Swachh Bharat Abhiyan.

29. Cleaning the premises and reinstating various hospital equipment of government hospitals in local areas.

NSS units of VJCET had conducted a cleaning program at Primary Health Centre Pandappilly, Muvattupuzha on 9th and 10th October 2019. 45 volunteers had participated.



Fig. 36: NSS volunteers cleaning the hospital equipment



30. Cleaning the Private Bus-stand, Vazhakulam and KSRTC Bus-Station Muvattupuzha, and a few buses.

The KSRTC Bus depot at Muvattupuzha and its surroundings were cleaned by the NSS Volunteers on Feb 26th 2020. The program was inaugurated by the Municipality Councilor.



Fig. 37: NSS Volunteers cleaning the private Bus-stand

31. Planting tree saplings at various neighbouring locations.

The National Service Scheme unit of VJCET, Vazhakulam celebrated the World Environmental Day on June 15th, 2016, by planting tree saplings 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. 38: Planting tree saplings in College Campus



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



Fig. 39: Planting tree saplings at Kavana LP School

32. Construction of Organic Vegetable Farm.

Social Service club of Department of Mechanical Engineering organized organic vegetable farming at VJCET Campus.



Fig. 40: Setting of Organic Vegetable Farm



മണ്ണിന്റെ മണമറിഞ്ഞ് വിശ്വജ്യോതി എൻജിനീയറിങ് കോളേജ് വിദ്യാർത്ഥികൾ

മുവാറ്റുപുഴ: മണ്ണിൽ പണിയെടുക്കാൻ എൻജിനീയറിങ് പഠനം തടസ്സമല്ലെന്ന് തെളിയിക്കുകയാണ് മുവാറ്റുപുഴ വാഴക്കുളം വിശ്വജ്യോതി എൻജിനീയറിങ് കോളേജിലെ മെക്കാനിക്കൽ എൻജിനീയറിങ് വിദ്യാർത്ഥികൾ.

കൃഷിയിൽ നിന്നും സമാഹരിക്കുന്ന പണം കൊണ്ട് കാൻസർ രോഗികൾക്ക് ചികിത്സാ സഹായം നൽകുക എന്ന മഹത്തായ ലക്ഷ്യവും ഇവർക്കൊപ്പമുണ്ട്. കൃഷിയിൽ സ്വയം പര്യാപ്ത കൂടി ലക്ഷ്യം വെച്ചാണ് 6-ാം സെമസ്റ്റർ മെക്കാനിക്കൽ എൻജിനീയറിങ് വിദ്യാർത്ഥികളുടെ നേതൃത്വത്തിൽ വിഷരഹിത പച്ചക്കറികളുടെയും ഔഷധ സസ്യങ്ങളുടെയും കൃഷിക്ക് തുടക്കം കുറിച്ചിരിക്കുന്നത്. ജൈവകൃഷി രീതികൾക്ക് ഊന്നൽ നൽകി വിഷരഹിത പച്ചക്കറികളുടെ ഉത്പാദനവും വിപണനവും സാദ്ധ്യമാക്കുക എന്നതാണ് ലക്ഷ്യം. കൃഷി മറക്കുന്ന പുതിയ തലമുറയ്ക്ക് വലിയൊരു സന്ദേശം കൂടിയാണ് ഈ ഉദ്യമം.

കോളേജിലെ ഒന്നര ഏക്കർ സ്ഥലത്താണ് കൃഷി. കൃഷി ഭൂമിയെ ബ്ലോക്കുകളായി തിരിച്ച് ഓരോ ബ്ലോക്കിനും വിദ്യാർത്ഥികളുടെ



വാഴക്കുളം വിശ്വജ്യോതി എൻജിനീയറിങ് കോളേജിലെ പച്ചക്കറി കൃഷിയുടെ ഉദ്ഘാടനം ആവോലി പഞ്ചായത്ത് പ്രസിഡൻ്റ് ജോർജി വർഗീസ് നിർവഹിക്കുന്നു

ത്ഥികളുടെ ഓരോ ഗ്രൂപ്പിനെ ചുമതലപ്പെടുത്തിയിട്ടുണ്ട്. വിദ്യാർത്ഥികൾക്ക് പൂർണ്ണ പിന്തുണയുമായി കോളേജ് മാനേജ്മെന്റും ജീവനക്കാരും കൂടെയുണ്ട്. വിദ്യാർത്ഥികൾക്ക് സാങ്കേതിക സഹായവുമായി ആവോലി ഗ്രാമപഞ്ചായത്തും കൃഷിവകുപ്പും ഉണ്ട്. ആവോലി പഞ്ചായത്ത് പ്രസിഡൻ്റ് ജോർജി വർഗീസ് ഉദ്ഘാടനം ചെയ്തു.

ലോക കാൻസർ ദിനത്തിന്റെ ഭാഗമായി ആരംഭിച്ച ഈ സംരംഭത്തിന് ആവോലി ഗ്രാമ

പഞ്ചായത്ത് പ്രസിഡൻ്റ് ജോർജി വർഗീസ്, വാർഡ് മെമ്പർ മോളി ജെയിംസ്, കൃഷി ഓഫീസർ അഞ്ജു പോൾ, അസി. കൃഷി ഓഫീസർ മനോജ് ഇ.എം., കോളേജ് പ്രിൻസിപ്പൽ പ്രൊഫ. ജോസഫ് കുഞ്ഞുപോൾ, ഡയറക്ടർ ഫാ. ഡോ. ജോർജ് താനത്തുപറമ്പിൽ, മെക്കാനിക്കൽ എൻജിനീയറിങ് വിഭാഗം മേധാവി വിനോദ് കെ., ക്ലാസ് ട്യൂട്ടർ അജോ ഐസക്, ക്ലാസ് ലിഡർ മാരായ ജോസ് മോൻ, സ്പെഷിൻ എന്നിവർ നേതൃത്വം നല്കി.

Fig. 41: Organic Vegetable Farm of VJCET in News