



AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

(Approved by AICTE)

A Constituent college of

VINAYAKA MISSION'S RESEARCH FOUNDATION

DEEMED TO BE UNIVERSITY

(Declared Under Sec 3 of UGC Act, 1956)

(Accredited by NAAC)



IIT Delhi



मानव संसाधन विकास मंत्रालय
MINISTRY OF
HUMAN RESOURCE DEVELOPMENT



उन्नत भारत अभियान 2.0 UNNAT BHARAT ABHIYAAN 2.0



UBA REPORT C-10224

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AVIT UBA

Aarupadai Veedu Institute of Technology (AVIT) is an Engineering institution that was established in the year 1988. It is an ambit institute of Vinayaka Missions Research Foundation (VMRF) located on Rajiv Gandhi Salai (Old Mahabalipuram Road) 50 kms away from Chennai in lush, sylvan surroundings, far from the hustle and bustle of the city. AVIT is committed to the Vision of imparting Quality Technical Education focusing for the betterment of Society, with an emphasis on ethical values. With this vision in mind, AVIT has applied to UBA for uplifting the nearby rural areas. We were happy to receive a communiqué on 7th May 2018 stating that our college had been selected for this purpose. Under this scheme, Aarupadai Veedu Institute of Technology has adopted five villages in Kancheepuram district and has also obtained the consent for the same from the District Collector. The following are the villages adopted by AVIT under UBA

Sl.No.	Name of the Village	Block	District
1.	Alathur	Thiruporur	Kancheepuram
2.	Sirudavoor	Thiruporur	Kancheepuram
3.	Kothimanagalam	Tirukalukundram	Kancheepuram
4.	Arunkundram	Thiruporur	Kancheepuram
5.	Naduvakkarai	Tirukalukundram	Kancheepuram



UNNAT BHARAT ABHIYAN INAUGURAL EVENT

The inaugural ceremony of AVIT'S UBA commenced on 27/06/2018, at 11.00 A.M in Naduvakkarai village at Government Primary school under the guidance of our Honourable Chancellor, Dr. A. S. Ganesan and Director Dr. Anuradha Ganesan. The Programme started with an invocation that was followed by the Lamp lighting ceremony. Dr. P. Shankar, Principal of AVIT welcomed the audience on behalf of UBA. Dr. M. Ponnavaikko, Provost of VMRF in his presidential address explained the vision & mission of the UBA. Mr. T. Srinivasan, Head of Operations, AVIT in his speech highlighted the importance of the programme and also mentioned that it was very important to have support from the villagers and community representatives. Prof. P. Rajasekaran, Vice Principal (Admin) of AVIT gave an overview of the project by mentioning the main objectives and the expected outcomes of the Inaugural Meeting and the project. Dr. B. Prabasheela, UBA Coordinator introduced her team members. Mr.S. Prakash Babu, BDO - BP, Thiruporur Panchayat shared information about the schemes provided by the government and also assured to render help to the upcoming program. Mr. C. S. Dhandapani, BDO-VP, Thirukazhukundrum also addressed the people. Dr. S. P. Sangeetha, Head Department of Civil, AVIT proposed the vote of thanks.

Other eminent personalities like Prof. M. Uma Chakkaravarthy, Principal, School of Architecture and Planning, Dr. Shanmugavalli, Faculty of Arts and Science, Ms. Thangam, Headmistress, Government Primary School, Naduvakkarai, Ms. Deepa , NGO, 'Wings to Hope' and Heads of the Department and Student volunteers of AVIT were also present on the occasion.





Lamp lighting ceremony



**Dr.M. Ponnaivaikko felicitates
Mr.S.Prakash Babu, BDO-BP,
Thiruporur**

**Dr.P.Shankar felicitates Mr.C.S.Dhandapani,
BDO-VP, Thirukazhukundrum**



Presidential address by Dr. M. Ponnaivaikko, Provost, VMRF



Address by Ms. Thangam, Headmistress, Naduvakkarai Govt. Primary School



Address by Mr.S.Prakash Babu, BDO-BP, Thiruporur



Donation of Fans to Naduvakkarai Govt. Primary School



Participants – Naduvakkarai People



Distribution of Snacks and Cool drinks to the participants



UBA Student Volunteers



GROUP PHOTO

VILLAGE HOUSEHOLD SURVEY

Under UBA scheme Aarupadai Veedu Institute of Technology, Paiyanoor has adopted five villages in Kancheepuram District, namely Naduvakkarai, Kothimangalam, Arunkundram, Sirudhavoor and Alathur. In these villages separate teams were assigned to collect the data from every house in that area. The village level survey details were collected from the Panchayat Secretary, Village Administrative Officer and Block Development officer of the targeted villages. The household survey started immediately after the inaugural event on 27th June 2018 and completed by 12th July 2018. The team was provided with T-Shirt, Cap and lunch during these days.

I.ARUNKUNDRAM VILLAGE DETAILS

Name of the Village	: Arunkundram
Block	: Thiruporur
District	: Kancheepuram
State	: Tamil Nadu
Pin code	: 603107
Post Office	: Manamathy
Assembly Constituency	: Thiruporur
Lok Sabha Constituency	: Kancheepuram
Number of Wards	: 06
Number of Hamlets	: 06
Area of village	: 321.1 Acres
Agricultural Area	: 28.85.5 Acres
Forest Area	: Nil
Water Table	: 50 feet
Common Lands	: Nil
Area under water bodies	: 75.59.0 / 0.17.0 (Pond) / 2.14.0 Acres
Communication Language	: Tamil
District Head Quarters	: Thiruporur (13 KM towards North)
State Head Quarters	: Chennai (70 KM towards North)

Boundaries	: Chengalpattu Block towards North : Thiruporur Block towards North : Madurantakam Block towards west : Kattankolathur Block towards North
Nearest Cities	: Tirukalukundram : Chengalpattu : Pudupattinam : Guduvancheri (Nandivaram)
Literacy Rate	: 63.5% as on 2011 census report
Total No. of Houses	: 267 as on 2011 census report
Total Population	: 1056 as on 2011 census report
Male Population	: 509 as on 2011 census report
Female Population	: 547 as on 2011 census report

VILLAGE SURVEY AT ARUNKUNDRAM VILLAGE



Village survey at Naduvakkarai

MAJOR PROBLEMS IN THE VILLAGE

The villagers have solved the following issues that impeded their progress.

1. Drinking water scarcity:

The village people requested a pipe connection for drinking water because they had to cross a busy road to collect water 200 meters away. Scarcity of water was also a major issue for them.

2. Transport facility :

Transportation facility was unavailable and the people had to walk almost 5 kms to reach the nearest bus stop. In case of emergencies, everyone had to struggle to find adequate transport facilities. Students from schools and colleges were the worst affected category.

3. Employment:

Most village people travel to their work places for earning their daily wages to nearby areas. Usually, they did agricultural work and because of lack of water for irrigation purposes, most of the lands were not cultivated. This considerably reduced the employability rate.

4. Health Care:

For medical emergencies, primary health care is available at a distance of 15 km (from Thiruporur) and the nearest Government hospital is situated at Chengalpattu 30 kms away. Hence, the people from Arunkundram require a primary health care center which will also benefit people in nearby areas.

5. Toilet Facility:

Over 70% of the population indulged in open defecation.

6. Electricity:

In tribal areas, single use electricity service was provided to households.

7. Others:

Most of the village people are not aware of the welfare schemes provided by the state and central Government. Over 80% of the educated youngsters are unemployed and some work as unskilled employees. No pension facilities were available for the senior citizens.

SUGGESTIONS FOR DEVELOPMENT

1. Skill Development courses can be planned for the housewives and the unemployed graduates of the village.
2. Government officials can mediate for water sources to aid agriculture.
3. Awareness classes can be conducted for the village people about government schemes and facilities.
4. Natural organic farming and its advantages must be explained to the villagers.
5. A Common Community Kitchen can be planned to reduce smoke in the cooking process throughout the village.
6. Bus facilities should be improved for the villagers.
7. Small scale industries can be established for the economic welfare of the people.
8. Renewable energy sources can be used for lighting in the tribal areas.

II. KOTHIMANGALAM VILLAGE DETAILS

Kothimangalam is a large village located in the Thirukalukundram Taluk of Kancheepuram district, Tamil Nadu with a total 791 residing families. The Kothimangalam village has a population of 3285, out of which 1615 are males and 1670 are females as per the Population Census taken in 2011.

In Kothimangalam village, children in the age group of 0-6 form 11.69 % of total population. The Average Sex Ratio of Kothimangalam village is 1034 which is higher than the Tamil Nadu state average of 996. Child Sex Ratio for the Kothimangalam as per census is 1272, which is higher than Tamil Nadu's average of 943.

Kothimangalam village has lower literacy rate compared to Tamil Nadu. In 2011, literacy rate of Kothimangalam village was 78.28 % compared to 80.09 % of Tamil Nadu. In Kothimangalam Male literacy rate was 85.20 % while female literacy rate was 71.41 %.

Kothimangalam Data

Particulars	Total	Male	Female
Total No. of Houses	791	-	-
Population	3,285	1,615	1,670
Child (0-6)	384	169	215
Schedule Caste	1,034	514	520
Schedule Tribe	237	111	126
Literacy	78.28 %	85.20 %	71.41 %
Total Workers	1,449	990	459
Main Worker	1,272	49,240	0
Marginal Worker	177	38	139

Land and Agriculture Resources

Arable land agriculture Area(Acres)	206
Forest Area (Acre)	2
Housing/ Abadi Area(Acres)	37
Area Under Water bodies(Acres)	184
Common Lands Area(Acres)	32
Average per capita Land holding (Acre)	943
Waste land(Acres)	0

Caste Factor

Kothimangalam village of Kancheepuram has substantial population of Schedule Caste. Schedule Caste (SC) constitutes 31.48 % while Schedule Tribe (ST) were 7.21 % of total population in Kothimangalam village.

Work Profile

In Kothimangalam 1449 persons were employed. 87.78 % of workers described their work as Main Work (Employment or Earning more than 6 Months) while 12.22 % were involved in Marginal activity that provided livelihood for less than 6 months. Of 1449 workers engaged in Main Work, 46 were cultivators (owner or co-owner) while 73 were Agricultural labourers.

KOTHIMANGALAM HOUSE HOLD SURVEY



PROBLEMS FACED BY THE KOTHIMANGALAM VILLAGERS

The following are the major problems faced by the villagers.

1. Water scarcity posed problems for both drinking as well as other usage. Community water was provided for only a limited time. This affected their daily life adversely.

2. Both literate and illiterate were not employed. That was the biggest problem for their day to day life.
3. A new pipe line was required for the people living in extended areas.
4. Some streets did not have street light. This created panic among the villagers at night.
5. Kothimangalam is a developed area but the road were not in good condition. It created problems for two wheelers also three wheelers and four wheelers.

SUGGESTIONS FOR VILLAGE DEVELOPMENT

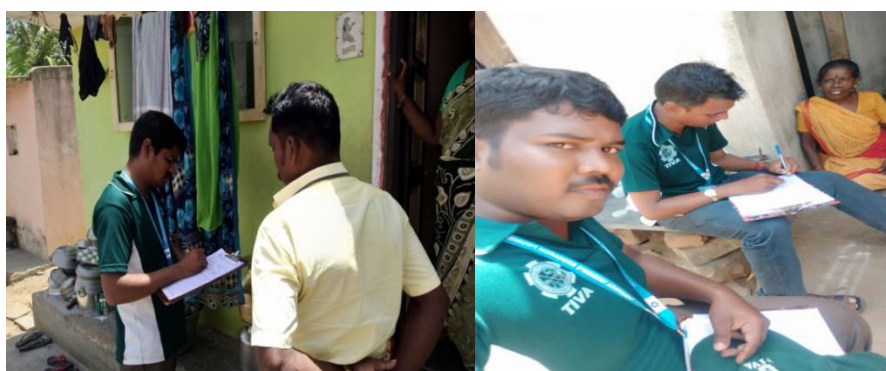
1. Adequate supply of water should be made available to the villagers. Due to ground water problems, villagers depended completely on community water supply. Government supplied water only in particular places for limited periods.
2. Both Central and State Government should create an awareness of schemes to the people.
3. Government could arrange employment opportunities for the literate villagers. Also, they could motivate entrepreneurs to start new businesses in the backward areas.

III.NADUVAKKARAI VILLAGE DETAILS

Name of the Village	: Naduvakkarai
Block	: Thirukalukundram
District	: Kancheepuram
State	: Tamilnadu
Pin code	: 603203
Nearest Post Office	: Kattankolathur
Post Office	: kattankolathur
Assembly Constituency	: Thiruporur
Lok Sabha Constituency	: Kancheepuram
Number of Wards	: 09
Number of Hamlets	: 03
Area of village	: 500 Acres

Agricultural Area	: 200 Acres
Forest Area	: 30 Acres
Water Table	: 50 feet
Common Lands	: 15 Acres
Area under water bodies	: 110 Acres
Communication Language	: Predominantly Tamil and English
District Head Quarters	: Thirukalukundram (09 KM towards North)
State Head Quarters	: Chennai (64 KM towards North)
Boundaries	: Chengalpattu Block towards North : Thiruporur Block towards North : Madurantakam Block towards west : Kattankolathur Block towards North
Nearest Cities	: Tirukalukundram : Chengalpattu : Pudupattinam : Guduvancheri (Nandivaram)
Literacy Rate	: 70% (Approx)
Total No. of Houses	: 141 (By Census 2011)
Total Population	: 564 (By Census 2011)
Male Population	: 288 (By Census 2011)
Female Population	: 276 (By Census 2011)

HOUSEHOLD SURVEY



Village Survey at Naduvakkarai Village



MAJOR PROBLEMS IN THE VILLAGE



Discussion with village members about the major issues

After discussing with the villagers during the survey we found that the following problems were prevailing among the villagers.

- Foremost and the biggest problem was drinking water scarcity. It was the major problem for most of the households. Drinking water is supplied by the Panchayat corporation only once in three days and duration of supply is limited.
- Transport facility was not sufficient. Only two government buses and two private were utilized by the villagers.
- Scheduled Tribes communities in Naduvakkarai have to walk 4 kms to utilize these facilities. Share Auto is the only reliable transport facility. We also found

that the tribal villagers were not permitted to interact with other communities.

- Majority of the villagers work for daily wages. Though most of them have agricultural lands, due to scarcity of water for irrigation purposes, lands were not cultivated. This considerably reduced the employability rate.
- The roads from the nearby cities were not maintained properly.
- For any medical emergencies, Primary Health Care was made available 10 kms away (Thirukalukundram) and the nearby Government hospital is situated at Chengalpattu at a distance of 30 kms.
- Very few families have toilets in their homes. More than 80% of the population indulges in open defecation.
- Most of the villagers were not aware of the welfare schemes provided by the state and central Government.
- Over 70% of the educated young people were unemployed and some were categorized as unskilled employees.

SUGGESTIONS FOR VILLAGE DEVELOPMENT

- ✓ RO water treatment plant can be constructed on a common basis.
- ✓ Skill Development courses can be planned for the housewives and unemployed graduates in the village.
- ✓ After discussion with the government officials, water source for agriculture can be planned.
- ✓ Awareness sessions can be conducted for the villagers about government schemes and facilities.
- ✓ There were no common compost pits available for the village. Such facilities can enlighten them about natural organic farming and its advantages.
- ✓ Common Community Kitchen using Biogas can be planned for reducing smoke pollution.

IV.SIRUDAVOOR VILLAGE DETAILS

Name of the Village	: Sirudavoor
Block	: Thiruporur
District	: Kancheepuram

State	: Tamil Nadu
Pincode	: 603 105
Nearest Post Office	: Sirudavoor
Post Office	: Sirudavoor
Assembly Constituency	: Thiruporur
Lok Sabha Constituency	: Kancheepuram
Number of Wards	: 09
Number of Hamlets	: 05
Area of village	: 1350 Acres
Agricultural Area	: 200 Acres
Forest Area	: 10 Acres
Water Table	: 120 feet
Common Lands	: 160 Acres
Area under water bodies	: 300 Acres
Communication Language	: Tamil
District Head Quarters	: Thiruporur (04 KM towards North)
State Head Quarters	: Chennai (61 KM towards North)
Boundaries	: Chengalpattu Block towards west : Thiruporur Block towards North : Madurantakam Block towards East : Kattankolathur Block towards North
Nearest Cities	: Tirukalukundram : Chengalpattu : Pudupattinam : Thiruporur
Literacy Rate	: 62% (Approx)
Total No. of Houses	: 755 (By Census 2011)
Total Population	: 2975 (By Census 2011)
Male Population	: 50.4 % (1500) (By Census 2011)
Female Population	: 49.6 % (1475) (By Census 2011)
Scheduled Caste Population %	: 77.6 % (2309)
Child(0 -6) Population	: 358 (By Census 2011)

HOUSEHOLD SURVEY



Village Survey at Sirudhavor Village



Village Survey at Sirudhavor Village



MAJOR PROBLEMS IN THE VILLAGE



Discussion with village members about the major issues

The major issues addressed by the villagers are –

1. Drinking water scarcity

It was a major problem because water provided by Panchayat Corporation is available only for three days once.

2. Transport facilities were not sufficient. Only two government busses and private transport facilities like shared auto were utilized by the villagers.

3. Scheduled Tribes communities in Sirudavoor had to walk 2 kms to utilize these facilities. Shared auto was only mode of reliable transport.

4. Most of the villagers were daily wage labours. Mostly, they were agriculturists because of scarcity of water for irrigation purposes; most of the lands were also not cultivated. This considerably reduced the employability rate.

5. The roads from the nearby cities were not maintained properly.

6. For any medical emergencies, Primary Health Care was available at a distance of 5 kms away (Thiruporur) and the nearby Government hospital services

were availed at Chengalpattu which was 32 kms away. Medical facilities therefore, can be provided at a nearby place.

7. Very few families have toilets in their house. Over 80% of the population indulged in open defecation.
8. Most of the villagers were not aware of the welfare schemes provided by the state and central Government.

SUGGESTIONS FOR DEVELOPMENT

1. RO water treatment plant can be constructed on a common basis.
2. Skill Development courses can be planned for the housewife's and to the unemployed graduates in the village.
3. Skill Development courses can be planned for the housewives and the unemployed graduates of the village.
4. Government officials can mediate for water sources to aid agriculture.
5. Awareness classes can be conducted for the village people about government schemes and facilities.
6. Natural organic farming and its advantages must be explained to the villagers.
7. A Common Community Kitchen can be planned to reduce smoke in the cooking process throughout the village.

V.ALATHUR VILLAGE DETAILS:

Alathur is a Village in Thiruporur Block in Kancheepuram District of Tamil Nadu State, India. It is located 63 kms towards the East from District headquarters, Kancheepuram, 5 kms from Thiruporur and 48 kms from State capital, Chennai. Alathur Pin code is 603105 and postal head office is Manamathi. The village has 534 families. It is near to Bay of Bengal. There is a chance of humidity in the weather conditions.

Sengadu (3 KM), Illalur (4 KM), Madayathur (4 KM) , Thiruporur(4 KM) , Illalur Rf (5 KM) are the villages near to Alathur. Alathur is surrounded by Thirukalukundram Block towards west, Kattankolathur Block towards west,

Chengalpattu Block towards west, St.Thomas Mount Block towards North. It is near the Bay of Bengal. There is a chance of humidity in the weather conditions here also.

POPULATION OF ALATHUR VILLAGE

According to the 2011 Census, Alathur's population is 2189. Out of this, 1125 are males and the females' count is 1064. This village has 252 children in the age group of 0-6 years. Among them 117 are boys and 135 are girls.

LITERACY RATE OF ALATHUR VILLAGE

Literacy rate in Alathur village is 76%. 1672 out of total 2189 population are literate. In males, the literacy rate is 82% and 929 males out of a total of 1125 are educated while female literacy rate is 69% as 743 persons out of a total of 1064 females are educated in this village.

The disadvantage is that the illiteracy rate of Alathur village is 23%. Here 517 out of total 2189 persons are illiterate. Male illiteracy rate here is 17% as 196 males out of total 1125 are illiterate. Among the females the illiteracy rate is 30% and 321 out of total 1064 females are illiterate in this village.

AGRICULTURAL STATUS OF ALATHUR VILLAGE:

The number of employed people of Alathur village is 1230 while 959 are unemployed. And out of 1230 employed individuals, 118 persons are completely dependent on cultivation.

WORKERS PROFILE

Alathur has 56% (1230) population engaged in either main or marginal work. 69% male and 43% female population comprise the working population. 51% of total male population are main (full time) workers and 18% are marginal (part time) workers. For women 27% of total female populations are from the mainstream and 16% are marginal workers.

HOUSEHOLD SURVEY



MAJOR PROBLEMS FACED BY PEOPLE

Road Network:

The roads inside the village are not connected properly, State Government has laid cement roadS inside the village. People inside the village have asked to provide good network, so that the communication would be proper.





Street Lighting:

Provision for street lights inside the village is given but most of the time, the lights do not function. During late night, it is a major issue for ladies and children.

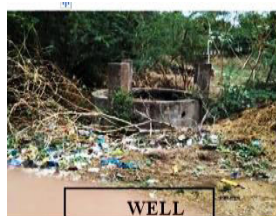
BROKEN STREET LIGHT

Sanitation

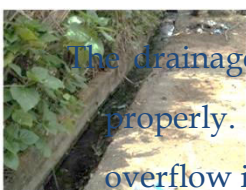


In the aspect of hygiene, government toilet schemes were not properly implemented in Alathur. Some people inside the village have constructed their own toilet and some resort to open defecation. So people insisted on provision of toilets for the betterment of hygiene in the village.

Water Supply: The water supply inside the village is through wells, borewells, tanks and ponds. The water inside the pond is used mainly for household activities but these days the water is entirely contaminated with effluent and the fish inside the pond succumb to these pollution factors.



POLLUTED WATER BY EFFLUENTS



The drainage system in the village is not effectively implemented and not maintained properly. The village has open drainage system. The sewage water is blocked and overflow into the public roads creates many health issues.

SUGGESTED MEASURES:

HUMAN DEVELOPMENT:

Health: The health of the village people are getting affected due to contamination in water. The water contamination should be stopped first through various awareness schemes and help people in protecting their own water resources which is mandatory for healthy living.

Education and culture: The literacy level in the village is increased to a greater extent and the school inside actively makes use of people to create an awareness of literacy and education among the people. New occupants are expected to blend with the existing culture.

Skills and Entrepreneurship: The residents are mostly a skilled labour force, and if they are given opportunity to expose their skills, the migration of people to the city could be stopped. The people are unaware of many entrepreneurship training sessions conducted by the government.

ECONOMIC DEVELOPMENT

Sustainable living: Some people inside use biogas plant, organic agriculture etc., which are some ways of sustainable living. If people are given knowledge about sustainable living with government through loans they can lead a happy and healthy life which in turn can improve their economic status.

SELF-HELP GROUP:

Proper training should be given to women in particular so that economic development of village as a whole can be carried through women self-help groups.

BASIC AMENITIES:

Their basic amenities like provision of toilet can be further improved.

Apart from all the suggestions given above, we strongly believe that the development of any nation strongly relies on villages, because villages are the backbone of any country's development.

AVIT UBA CELL

Unnat Bharath Abiyan Cell has been constituted in AVIT with the following faculty members.

UBA Cell

Dr. B. Praba Sheela, Asso. Prof/BioTech - Co-ordinator

Dr. S. P. Sangeetha, Head/Civil - Head

Mr. Fedal Castro, Mechanical – Member

Mr. N. P. Gopinath, EEE- Member

Mr. R. Karthikeyan, ECE- Member

Mr. Muthuselvan, CSE- Member

Dr. Vijayan, Civil- Member

Ms. Janani, B. Arch- Member

Dr. R. Nagalakshmi Chemistry - Member

Dr. L. Rajesh Kumar, MBA- Member

Mr. C. M. Muthukrishnan, MBA- Member

Ms. Veena, IV year Biotechnology- Student Co-ordinator

Mr. A. Jayaprakash, II year CSE – Student Co-ordinator

Advisory Committee

Dr. M. Ponnavaiko, Provost, VMRF

Dr. P. Shankar, Principal, AVIT

Ar. M.Umachakravarthy, Head/School of Architecture and Planning

Ms. V. N. Parimala, BDO, Thirukalukundram

Mr. C. S. Thandapani, Special officer, BDO - VP

Mrs. K. Sathya, RI, Thiruporur

Mr. Raghavan Rajan, Head SDC, AVIT

Mr. R. D. Ramesh, NGO

Ms. Deepa Umashankar, NGO

Executive Committee members

Dr. P. Shankar, Principal, AVIT

Mr. T. Srinivasan, Head Operations, VMRF

Prof. D. Vijendra Babu, Vice-Principal- Academics

Prof. P. Rajasekaran, Vice-Principal - Admin

Dr. S. P. Sangeetha, Head/Civil

Mr. L. Prabhu, Head/Mechanical

Mr. K. Surendrababu/ Asso.Prof, Mechanical

Faculty representative and student volunteers has been allotted for each village

S. No	Village Name	Faculty Name	Students Volunteers Name
1.	Alathur	Ms. Janani, B. Arch Dr.R.Nagalakshmi Chemistry	1.Manoj Antony Xavier 2.Manoj Kumar 3. Naresh kumar 4.Dinesh kumar 5. Ragul Gandhi
2.	Sirudavoor	Mr. Muthuselvan, CSE Dr. Vijayan, Civil	1. Melwin -Civil 2.Shameer -CSE 3. Roshan kumar -Cloud computing 4.Abisheik - Cloud computing 5. Shiva anand - Civil
3.	Kothimanagalam	Dr. L. Rajesh Kumar, MBA Mr.C.M.Muthukrishnan, MBA	1.Veena -Biotech 2.vinayagam -Biotech 3. Jayaprakash -CSE 4.Aishwaraya- Biotech 5. Gokul.R- CSE
4.	Arunkundram	Mr. Fedal Castro, Mechanical Mr. N.P.Gopinath, EEE	1.Ritesh Yadav -EEE 2. Mithun das-EEE 3.Jeyasimman.S - EEE 4.Hariharan- Mechatronics 5.Sheik Mohammed younes - Mechantronic
5.	Naduvakkarai	Mr. R. Karthikeyan, ECE Mr. S. Prakash EEE	1.Blaji.D - ECE 2. Jikku C.Eappen- ECE 3. Ravi sai reddy- ECE 4.Shanmugavel.M- ECE 5. Vineet.S- ECE

UBA WORKSHOP

Dr. B. Prabasheela , UBA Coordinator and Dr.S.P.Sangeetha, AVIT UBA Cell head participated in the workshop on “ Planning of UBA activities in Village clusters adopted by participating Institutes” which was organized by IIT Madras on 6th August 2018.



VILLAGE CLEAN UP - SWACHHTA PAKHWADA

Swachhta Pakhwada was observed in Aarupadai Veedu Institute of Technology from 1/8/2018 – 15/8/2018. In this regard, Cleanliness drive was organized in all the five adopted villages to improvise the general quality of life in the rural areas, by promoting hygiene.

1. POND AND TEMPLE CLEANING AT ALATHUR VILLAGE

Student volunteers along with UBA coordinator Dr B. Prabasheela, UBA staff in-charge of Alathur village, Ms.B.Janani and NSS PO Mr. K. Surendrababu participated in Pond and temple cleaning at **Alathur** village on **3/8/18**. The ponds were found to be filthy and full of dead fish. The team removed all the dirt and also informed about the oil spillage to the BDO of that village.



Before cleaning



Fish found dead and oil spillage in the pond



Temple cleaning



After cleaning



2. MAIN ROAD AND HOSPITAL CLEANING AT KOTHIMANGALAM

In common areas like water tank, main road and government hospital, cleaning was carried out under the guidance of Dr.L. Rajesh Kumar UBA faculty in-charge of Kothimangalam village and Mr.K.Surendrababu, NSS program of AVIT at Kothimangalam village on 9/8/2018. The sanitation accessories were facilitated by Rotary club of Thirukalukundram.



Main Road and water tank area cleanup



Garbage cleaning at government hospital



3. POND AND VILLAGE CLEANING AT SIRUDAVOOR ON 10/8/18

Pond and village cleaning was carried out at **Sirudavoor** on **10/8/18** by UBA team (Dr.B.Prabasheela-UBA coordinator, Dr.Vijayan and Mr.Muthuselvan – UBA Faculty incharge for Sirudavoor village and Student volunteers). They were accompanied by Mr.Pavithran, from Environmentalist foundation of India (EFI).



Village cleaning



Local people in cleaning process



Pond cleaning



Induction about imparting cleanliness to the villages by Mr.Pavithran of EFI



4. ARUNKUNDRAM AND NADUVAKKARAI VILLAGE CLEANING

Arunkundram and Naduvakkarai village cleaning was carried out on 13/8/2018 in the presence of Mr. Fedal Castro and Mr. N.P.Gopinath, UBA Faculty in-charge of Arunkundram , Mr. R. Karthikeyan, UBA faculty in-charge of Naduvakkarai along with student Volunteers.



Village cleanup at Arunkundram



Village cleanup at Arunkundram



Village cleanup at Arunkundram



NADUVAKKARAI VILLAGE CLEAN UP



Naduvakkarai village clean up



Naduvakkarai village clean up



GRAM SABHA MEETING - AVIT UBA

Gram Sabha has been envisaged as the foundation of the Panchayat Raj system. In the Gram Sabha all the adults of age 18 or above are allowed to participate. As per the instructions of MHRD, Aarupadai Veedu Institute of Technology (AVIT) participated in the Gram Sabha of all the adopted villages (Alathur, Sirudavoor, Kothimanagalam, Arunkundram, Naduvakkarai) to announce 2-3 key issues and also provide solutions in the adopted villages on 15th August 2018. AVIT participated after getting consent from the BDOs of Thiruporur and Thirukalukundram.



Preparatory meeting for gram sabha with AVIT UBA members

Before the Gram Sabha AVIT UBA cell Head, Dr.S.P.Sangeetha and Dr.B.Prabasheela,UBA Coordinator organized meeting on 12/8/2018 with Faculty representatives of all the five villages to discuss the most pressing problems and suggest solutions for the same. The following were prioritized:

**PRIORITIZED PROBLEMS AND SOLUTIONS TO BE ADDRESSED IN
THE GRAM SABHA MEETING**

S.NO	ADOPTED VILLAGE	IDENTIFIED PROBLEMS	SOLUTIONS FOR THE PROBLEMS
1.	Alathur - Thiruporur Block	<ul style="list-style-type: none"> ➤ Water problem ➤ Poor sanitation ➤ No proper house hold waste disposal 	<ul style="list-style-type: none"> ✓ Water conservation like pond and lake cleaning ✓ Construction of public toilet in tribal area ✓ Train panchayat workers for waste segregation ✓ Identify yard for disposal and convert to manure
2.	Arukundram- Thiruporur Block	<ul style="list-style-type: none"> ➤ Transportation ➤ No Primary health care for emergency (25 km away) ➤ No street light in Tribal area 	<ul style="list-style-type: none"> ✓ Request Mini bus to government officials. ✓ Organize health camp once in every month. ✓ Install at least 2 Solar panel
3.	Sirudhavor- Thiruporur Block	<ul style="list-style-type: none"> ➤ Lack of water facility ➤ EB Issues- Frequent power shut down 	<ul style="list-style-type: none"> ✓ Construction of borewell in two area ✓ Discuss with Tamil Nadu Electricity Board (TNEB) officials to put separate transformer
4.	Kothimangalam- Thirukalukundram Block	<ul style="list-style-type: none"> ➤ No street light in Tribal area ➤ Unemployment 	<ul style="list-style-type: none"> ✓ Install at least 2 Solar panel ✓ Organize Skill development . (Women entrepreneurship) program like candle making, soap and shampoo preparation, jewellery making etc.
5.	Naduvakkarai - Thirukalukundram Block	<ul style="list-style-type: none"> ➤ Water scarcity <p style="text-align: center;">=</p> <ul style="list-style-type: none"> ➤ No Street light in Tribal area ➤ Unemployment 	<ul style="list-style-type: none"> ✓ Irrigation canal cleaning for storing water ✓ Awareness about rainwater harvesting ✓ Install at least 2 Solar panels ✓ Plantation of Palm trees in the pond shores ✓ Organize Training program - Plumbing, Mason ,electric wiring, fitter etc.

I. GRAM SABHA AT ALATHUR VILLAGE:

The Gram Panchayat Sabha was conducted on 15.08.2018 around 11.00 A.M. at Panchayat Office, Alathur Village near Thiruporur, Kancheepuram District. The Gram Panchayat Sabha was headed by Mr. Dinesh Kumar, B.D.O. along with Mrs. Anitha, Panchayat Clerk. Most of the villagers attended the meeting. Prof. Uma Chakkaravarthy, Principal and Mr A.R. Prabhu from School of Architecture and planning (SAP), AarupadaiVeedu Institute of Technology attended the meeting.



Prof. Uma Chakkaravarthy, Principal, School of Architecture and planning, discussion about the agenda with Mr. Dinesh Kumar, B.D.O



AVIT'S UBA amendment declared by Mrs. Anitha ,panchayat clerk



Prof. Uma Chakkaravarthy, Principal, SAP, ADDRESSING THE VILLAGERS

II.GRAM SABHA AT ARUNKUNDRAM VILLAGE:

Prof.L.Prabhu,HOD of Mechanical Engineering Department,Mr. Fedal Castro and Mr. N.P.Gopinath, UBA Faculty in-charge of Arunkundram represented AVIT in the Gram Sabha at Arunkundram village on 15/8/2018.



***Mr. N.P.Gopinath and Mr. Fedal Castro , UBA Faculty in-charge of
Arunkundram***



Prof.L. Prabhu, HOD Department of Mechanical Engineering, AVIT addressing the UBA action plan to the villagers



Mr. Fedal Castro , UBA Faculty in-charge of Arunkundram addressing the villagers about the identified problems and proposed solutions

III.GRAM SABHA AT SIRUDHA VOOR VILLAGE:

Gram Sabha meeting was convened on 15th August 2018 in Siruthavoor in view of Independence day. Dr. S. P. Sangeetha, Head, AVIT UBA cell and Siruthavoor UBA Faculty In-charge Dr. Vijayan and Mr. Muthuselvan participated in the meeting.



Dr. S. P. Sangeetha, Head, AVIT UBA cell participated in the meeting



Mr.Muthuselvan , Siruthavoor UBA Faculty In-charge addressing the villagers



Dr. P. Shankar, Principal, AVIT and Mr. T. Srinivasan, Head Operations, VMRF visit to Sirudhavoor on the day of Gram Sabha along with Dr.Vijayan, Siruthavoor UBA Faculty In-charge

IV. GRAM SABHA AT KOTHIMANGALAM VILLAGE:

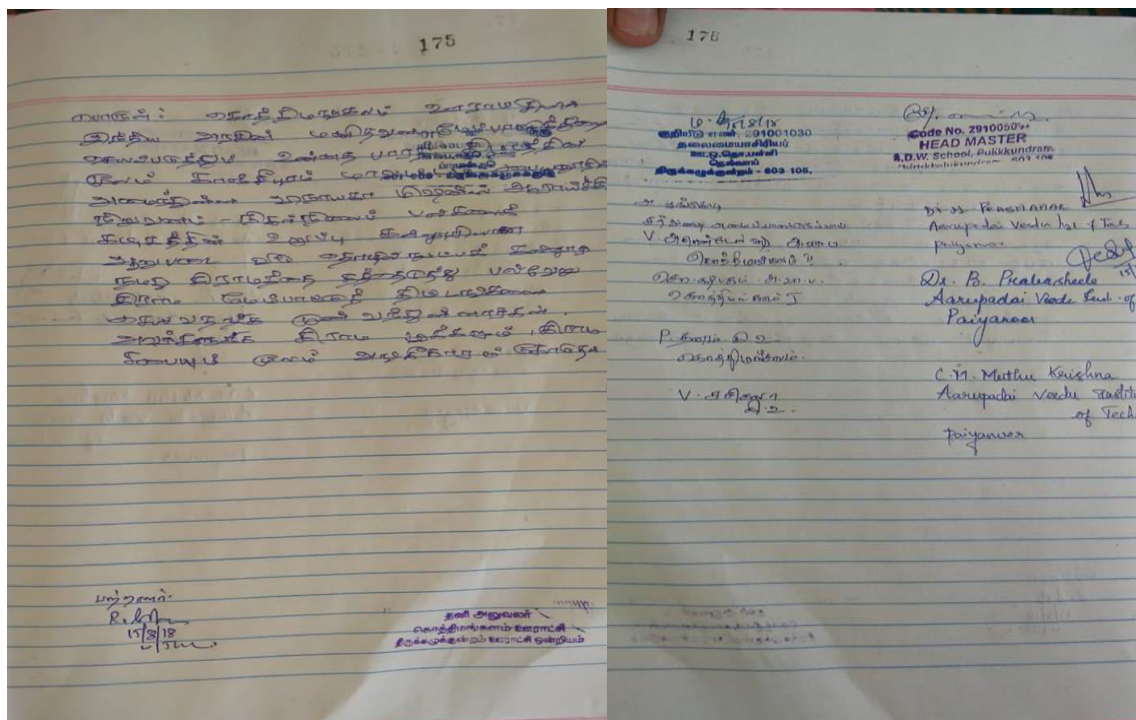
Gram Sabha for Kothimangalam village was organized at Pulikundram Panchayat office, Kothimangalam Panchayat at 11.30 on 15/8/18. AVIT representatives for Gram Sabha includes Dr.B.Prabasheela,UBA Coordinator, Dr. M. Prabhakaran, HOD, Exam cell AVIT and Mr.C.M.Muthukrishnan, Kothimangalam UBA Faculty In-charge



Submission of agenda by Dr.B.Prabasheela, UBA Coordinator and Dr. M. Prabhakaran, HOD, Exam cell AVIT



Panchayat Secretary Ms. Dhanalakshmi passed the AVIT UBA amendment in the meeting



Recorded Amendment

V.GRAM SABHA AT NADUVAKKARAI VILLAGE:

Prof. P. Rajasekaran, Vice-Principal – Admin and Mr.R.Karthikeyan , Faculty Incharge for Naduvakkarai participated in the Gram Sabha at Naduvakkarai village on behalf of AVIT on 15/8/18. Prof.P.Rajasekaran addressed the villagers about the action plans of AVIT under Unnat Bharat Abhiyaan; apart from the prioritized solutions, he also assured them that AVIT would organize E- Seva camp at least once in a month to help the villagers in registering for ration cards, Aadhar card,etc.



*Prof. P. Rajasekaran, Vice-Principal – Admin and Mr.R.Karthikeyan ,
Faculty Incharge for Naduvakkarai*



Panchayat Clerk Addressing the Villagers



Prof. P. Rajasekaran, Vice-Principal – Admin enlightening the villagers about UBA and its action plan

ANNEXURE -1



VINAYAKA MISSION'S RESEARCH FOUNDATION

Deemed to be University
(Declared u/s 3 of the UGC Act 1956)
Accredited by NAAC



AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY

University Office :-

-47, Sankari Main Road, Ariyanoor,
Tamil Nadu, INDIA.
Ph : +91-427-3987000
Fax : +91-427-2477903
Email : vmtrust@eth.net

College Office :-

Vinayaka Nagar,
Rajiv Gandhi Road (OMR), Paiyanur - 603 104,
Kancheepuram (Dt.). Tamil Nadu, INDIA.
Ph : +91 - 8754541025 / 26
E-mail : contactus@avit.ac.in

Chennai Office :-

Old #160, New # 213, (Behind Doshi Towers)
Poonamallee High Road, Kilpauk,
Chennai-600 010. Tamil Nadu, INDIA.
Ph : +91-44-42989006 / 9000 Fax : 044-28360019
E-mail : co@vinayakamissions.com

Dr. P. SHANKAR, B.E., Ph.D.,
PRINCIPAL

Date: 12.5.2018

To
Dr Virendra K Vijay
National Coordinator - Unnat Bharat Abhiyan
Centre for Rural Development and Technology,
Block- III Room number-291
Indian Institute of Technology Delhi
Hauz Khas, New Delhi - 110016

Sir,
Sub: Adoption of rural Villages under Unnat Bharat Abhiyan Scheme- reg

Greetings,

We would like to express our heartfelt thanks for selecting our Institution Aarupadai Veedu Institute of Technology (a constituent institute of Vinayaka Mission's Research Foundation - Deemed to be University) under UNNAT BHARAT ABHIYAN (UBA) scheme for implementing various rural development activities. The following are the five villages in Kancheepuram district of Tamilnadu, adopted by our institution for the above mentioned scheme.

Sl.No	Name of the Village	Block	District
1.	Alathur	Thiruporur	Kancheepuram
2.	Sirudavoor	Thiruporur	Kancheepuram
3.	Kothimanagalam	Thiruporur	Kancheepuram
4.	Arunkundram	Thiruporur	Kancheepuram
5.	Naduvakkarai	Tirukalukundram	Kancheepuram

We are acknowledging and giving our consent to the centre for implementing the UNNAT BHARAT ABHIYAN (UBA) scheme. We assure that we will work hard for the upliftment of the villages. We are looking forward for your support and cooperation.

With Regards,

PRINCIPAL

PRINCIPAL

Aarupadai Veedu Institute of Technology
Vinayaka Mission's Research Foundation
(Deemed to be University)
Paiyanur 603 104, Tamil Nadu.

ANNEXURE -2

P.PONNIAH, I.A.S.,
DISTRICT COLLECTOR.
Kancheepuram District.



KANCHEEPURAM.

DATE :

To
The Principal
Aarupadai Veedu Institute of Technology
Vinayaka Missions University
Paiyanoor, Chennai – 603 104.

RC.No.1367/2018/A12, Date :15.05.2018

Sub : Unnat Bharat Abhiyan (UBA) – Kancheepuram District – Village adoption programme – institutions selected as Participation Institution (PI) by AICTE – Consent according for the selected Villages for adoption – reg.

Ref : The Principal, Aarupadai Veedu Institute of Technology Vinayaka Missions University, Paiyanoor, Chennai – 603 104 letter Dated:23.04.2018.

As requested in the reference cited above, I wish to inform that the District administration has given consent to adopt the following villages by Aarupadai Veedu Institute of Technology Vinayaka Missions University Paiyanoor, Chennai 603 104 for the development process.

Sl. No.	Name of the Block	Sl. No.	Name of the Village Panchayat
1	Thiruporur	1	Alathur
		2	Sirudavoor
		3	Arunkundram
2	Thirukkalukundram	4	Kothimangalam
		5	Naduvakkarai


District Collector
Kancheepuram

Copy to : Block Development Officer (BP) & (VP),
Thiruporur & Thirukkalukundram Panchayat Union.

STD : 044
FAX Office : 27238477
Resi : 27238478

E.Mail : collrkpm@nic.in

Per : 27237433 (Off)
Fax : 27237789 (Off)

ANNEXURE -3



AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY
(Approved by AICTE)



VINAYAKA MISSION'S RESEARCH FOUNDATION
(Deemed to be University)
(Declared Under Sec.3 of UGC Act 1956) (Accredited by NAAC)
Rajiv Gandhi Salai (OMR), Paiyanoor, Kanchipuram District, Tamil Nadu – 603 104

Inauguration of



**UNNAT
BHARAT ABHIYAN**
Programme



**SWACHH BHARAT
SUMMER INTERNSHIP**
Programme

Venue : Naduvakkarai Village **Date & Time :** 27-Jun-2018 & 11.00 am

Chief Patrons



Dr. A. S. Ganesan
Honorable Chancellor, VMRF



Dr. Anuradha Ganesan
Director, VMRF

Presided by

Dr. M. Ponnaivaikko,
Provost, VMRF

Felicitation

Dr. P. Shankar
Principal, AVIT

Prof. M. Uma Chakkaravarthy
Principal, SAP, AV Campus

Prof. D. Vijendra Babu
VP(Academic), AVIT

Mr. T. Srinivasan
Head Operations, AVIT

Prof. P. S. Balaganapathy
Dy. Director, FMS, AVIT

Prof. P. Rajasekaran
VP(Admin), AVIT

Special Invitees

Mr. S. Prakash Babu
Commissioner / BDO - BP
Thiruporur Panchayat

Mr. M. Murali,
Special Officer / BDO - VP
Thiruporur Panchayat

Mr. V. N. Parimala
Commissioner / BDO - BP
Thirukazhukundrum Panchayat

Mr. C. S. Dhandapani
Special Officer / BDO - VP
Thirukazhukundrum Panchayat

Mrs. K. Sathya
Revenue Inspector, Paiyanoor Firka

All are cordially welcome
Dr. B. Prabasheela, UBA Coordinator - AVIT

UNNAT BHARAT ABHIYAN is a Ministry of Human Resource Development, Government of India programme that aims to connect institutions of higher education, with local communities to address the development challenges through appropriate technologies. UBA creates an opportunity for the students to involve with local village people at every stage of problem identification and solving issues relating to health, cleanliness, waste management, plantation, financial inclusions, women and child development.

SWACHH BHARAT SUMMER INTERNSHIP programme aims to engage the educated youth across the nation in this cleanliness drive, enhance their skills and introduce them to the sanitation-related work and unify the youngsters in community development work in the rural areas. It will also help in magnifying the mass awareness on the issue of cleanliness and will promote the people's movement towards Swachh Bharat Mission.

Adopted Villages

Coordinators

Naduvakkarai	—	Mr. R. Karthikeyan, ECE, AVIT
Kothimangalam	—	Mr. L. Rajeshkumar, MBA, AVIT
Alathur	—	Ms. J. Janani, B.Arch, AVIT
Sirudavoor	—	Dr. D. S. Vijayan, Civil, AVIT Mr. S. Muthuselvan, CSE, AVIT
Arunkundram	—	Mr. N. Fedal Castro, Mech, AVIT Mr. N. P. Gopinath, EEE, AVIT

Program schedule

11.00 Am:	Invocation-Thamizhthai Vazhthu
11.05 Am:	Lighting Of Ceremonial Lamp
11.10 Am:	Welcome Address Dr. P. Shankar , Principal, AVIT
11.20 Am:	Presidential Address Dr. M. Ponnaivaikko , Provost
11.40 Am:	Chief Guest Address Dr. A. S. Ganesan Honorable Chancellor, VMRF Dr. Anuradha Ganesan Director, VMRF
12.05 Pm :	Vote Of Thanks Mr. T. Srinivasan Head Operations, AVIT

ANNEXURE - 4



VINAYAKA MISSION'S RESEARCH FOUNDATION

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(Declared u/s 3 of the UGC Act 1956)
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Ph : +91-44-42989006 / 9000 Fax : 044-28360019
E-mail : co@vinayakamissions.com

Dr.P.SHANKAR, B.E Ph.D
PRINCIPAL

Date: 25/7/18

To

The Block Development Officer
Thiruporur - Thirukalukundram Panchayat

Sir,

Sub: Permission for organizing Gram Sabhas on 15th August 2018- reg

Greetings from AVIT. We thank you for your whole-hearted co-operation that you have rendered for organizing the Unnat Bharat Abhiyan (UBA) inaugural function. As a continuation, the Ministry of HRD has asked us to organize Gram Sabha meeting on 15th August 2018, and to announce 2-3 key issues/ problems and also to provide solutions in the adopted villages (Alathur, Sirudavoor, Kothimanagalam, Arunkundram, Naduvakkarai). Hence we request you to permit us to proceed with the same. I am also enclosing the mail received from UBA for your reference.

With Regards,

PRINCIPAL

Dr. P.SHANKAR
PRINCIPAL

Aarupadai Veedu Institute of Technology
Vinayaka Mission's Research Foundation
(Deemed to be University)
Paiyanoor-603 104, Tamil Nadu