



# **‘New India’ Internship Program**

**December 18, 2019 – January 10, 2020**

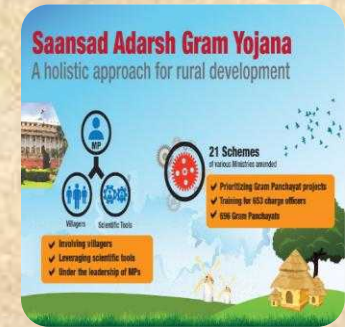
## **NEEADS**

**Theme: Technology and Rural Development  
Indian Institute of Technology Madras  
Chennai 600036**

# New India Internship / Scholarship Committee



सत्यमेव जयते



**Prof. Bhaskar  
Ramamurthi**

Director, IIT  
Madras



**Prof. Sivakumar**

Dean Students, IIT  
Madras



**Dr. P. Sudarsan**

Advisor, Student Legislative  
Council, IIT Madras

**New India Internship 2019-2020**

**NEEDS - Kancheepuram**

**Gandhi Gopalakrishnan,  
President**

**[www.needsngo.org](http://www.needsngo.org)**

**5 nos. of New India Interns gone for  
Internship Programme**

## IIT Madras New India Internship Students list (2019-2020)

S.No	Name	Roll No.	District, State
1	Mr. Bharat Meena	MM18B103	Kancheepuram, Tamil Nadu
2	Ms. Navyasree T S	BE18B033	Kancheepuram, Tamil Nadu
3	Ms. Vallabi A	HS18H042	Kancheepuram, Tamil Nadu
4	Mr. Aman Kumar	CE16B116	Kancheepuram, Tamil Nadu
5	Mr. Rohan Thakur	CE16B124	Kancheepuram, Tamil Nadu
6	Ms. Aishwarya S	HS18H059	Kancheepuram, Tamil Nadu

## New India Internship – Faculty Mentors and Advisory Committee

### Rural Development

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Prof. N.V. Ravikumar, Metallurgical & Materials Engineering

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## New India Internship – Faculty Mentors and Advisory Committee

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### Digital India

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### Education

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Dr. G. Venkatesh, Electrical Engineering (CTaP, IITM)

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### Housing

Prof. Devdas Menon, Civil Engineering

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Prof. A. Meher Prasad, Civil Engineering

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# New India Internship – Orientation Programme held on 07-12-2019 (HSB-133)

Mr. R. Elango, President of the Kuthambakkam village



**New India Internship –  
Orientation Programme  
held on 07-12-2019  
(HSB-133)**





## **Block studied- Vembakkam, Thiruvannamalai District**

- 22 mins from Kanchipuram and 2.30 hrs from Thiruvannamalai District Headquarters
- 96 revenue villages  
Major income generating activities
- Agriculture-Paddy cultivation
- Silk weaving
- Industries- Cheyyar SIPCOT

# New India Internship Interns in ICAR Krishi Vigyan Kendra





New India Internship Interns in Venbakkam block Thiruvannamalai District



## New India Internship Interns with PA General- District Collector of Kancheepuram



**Kancheepuram Farm Pond**



**Kancheepuram Municipality**



**Thiruvannamalai District - Agri Office block, Venbakkam BDO**



## Problems Observed

### 1. Sanitation

- ❖ Got to know about the proposals made under the Programme and their corresponding implementations.
- ❖ A stark contrast between Ideality and Reality !!
- ❖ On speaking to the people in whose homes toilets were constructed, It was found that the people did not utilise them or it did not satisfy the purpose of its construction
- ❖ The team went house to house to check the conditions of toilet in all the residences.

### ➤ **Problems observed**

- ❖ Toilets used as store rooms and for bathing purposes
- ❖ Faulty Construction
- ❖ No mechanism for outflow of drains from drainage pit
- ❖ Absence of regular sludge collection system.

## ➤ Suggestion

- ❖ Start with one public toilet and then expand on the basis of usage as this will involve people in releasing its benefits along with no extra expenses from Government
- ❖ Subsidy may be provided once for the cleaning of tank as it gets filled Completely
- ❖ Payment after certain usage period and Close Monitoring of the project should be done to avoid faulty construction issues like leakage
- ❖ Pre construction study of the region should be done to avoid chances of water contamination as at some places water level is close to ground

## Problems Observed

### 2. Sewage disposal

❖ The Kanchipuram municipality sewage treatment plant is an outdated natural aeration technology and has also reached its capacity and hence the water going to the canals from the lake nearby was getting contaminated which has disturbed the agriculture and fishing industry from last few years.

### ➤ Suggestion

❖ The administration needs to implement strict measures to encourage use of the two alternative sewage plants.

❖ Active Revival of nearby lakes needs to be taken up and the concerned populations needs to be involved which will also increase awareness on basic hygiene.



## Problems Observed

### 3. Rice husk ash

- ❖ 136 modern rice mills in Kanchipuram producing 5.67 lakh MT of paddy
- ❖ Every 1000 kg of paddy milled, produces 220 kg rice husk ash
- ❖ Causes air, water and soil pollution

#### ➤ Suggestion

- ❖ Usage of rice husk ash(RHA) for making bricks
- ❖ Mixing RHA with sand, quarry dust and a bit of cement would create hollow bricks which can be used for construction purposes.

#### ➤ Advantages

- ❖ Reduces the usage of bricks made from top soil
- ❖ Saves trees too, since mud bricks are solidified by burning with wood

## New India Internship 2019-2020

TVSSST,

- ❖ Thirukkurungudi (Tirunelveli),
- ❖ Padavedu, Javadhu (Tiruvannamalai),
- ❖ Hosur (Krishnagiri)



THANK  
YOU

