

‘New India’ Internship Program

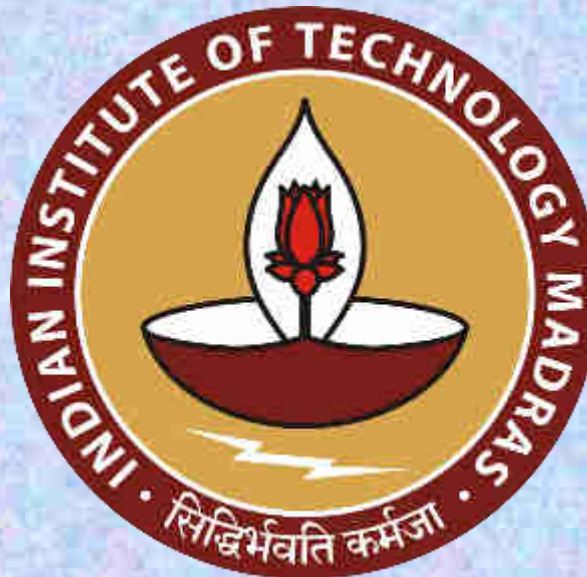
Pilot – December 10, 2018 – January 10, 2019

Socially Relevant Internships for Students

Theme: Technology and Rural Development

Indian Institute of Technology Madras

Chennai 600036



New India Internship (Pilot) Committee



**Prof. Bhaskar
Ramamurthi**

Director, IIT Madras



**Hon. Shri Arjun Ram
Meghwal**

**Minister of State for
Finance, GoI**



Prof. Sivakumar

**Dean Students, IIT
Madras**



Dr. P. Sudarsan

**Advisor, Student
Legislative Council, IIT
Madras**

S.No	Place	No of Students	Members of Parliament
1	Baramati, Maharashtra	4	Ms. Supriya Sule
2	Kolhapur, Maharashtra	3	Mr. Dhananjay Mahadik
3	Nandurbar, Maharashtra	4	Dr. Heena Gavit
4	Bikaner, Rajasthan	2	Mr. Arjun Ram Meghwal
5	Cuttack, Odisha	2	Mr. Bhartruhari Mahtab
6	Chennai North, Tamil Nadu	2	Mr. T. G. Venkatesh Babu
7	Chidambaram, Tamil Nadu	2	Mr. M. Chandrakasi
8	Kallakurichi, Tamil Nadu	4	Dr. K. Kamaraj
9	Kanyakumari, Tamil Nadu	2	Mr. A Vijayakumar
10	Tiruppur, Tamil Nadu	3	Ms. V. Sathyabama
11	Salem, Tamil Nadu	Fac	Mr. V. Paneerselvam
12	Theni, Tamil Nadu	Fac	Mr. R. Parthipan
		28	
	Number of States covered	4	
	Members of Parliament	12	3 Maharashtra, 1 Rajasthan, 1 Odisha, and 7 Tamil Nadu
	New India Internship Students	28	

IIT Madras New India Internship Students list

No	NAME	CONSTITUENCY - MP	No	NAME	CONSTITUENCY - MP
1	Indreeyajeet Singh	Mr. T. G. Venkatesh Babu- Chennai North, Tamil Nadu	15	Prasanna Abhigeri	Mr. Dhananjay Mahadik – Kolhapur, Maharashtra
2	Nilhal K	Mr. T. G. Venkatesh Babu- Chennai North, Tamil Nadu	16	Surya Pitta	Mr. Arjun Ram Meghwal – Bikaner, Rajasthan
3	Anand Vijay Sankar Guntuku	Mr. M. Chandrakasi - Chidambaram, Tamil Nadu	17	Shubham Singhal	Mr. Arjun Ram Meghwal – Bikaner, Rajasthan
4	M Shri Harikrishnan	Mr. M. Chandrakasi - Chidambaram, Tamil Nadu	18	Raushan Kumar	Mr. Bhartruhari Mahtab – Cuttack, Odisha
5	Pradeep Chouhan	Dr. Heena Gavit – Nandurbar, Maharashtra	19	Ambuj Jain	Mr. Bhartruhari Mahtab – Cuttack, Odisha
6	Ghoti Ankit Vijaysing	Dr. Heena Gavit – Nandurbar, Maharashtra	20	Dhananjay Nandkumar Katkar	Ms. Supriya Sule – Baramati, Maharashtra
7	Shilpi Rani	Dr. Heena Gavit – Nandurbar, Maharashtra	21	Sarath S M	Ms. Supriya Sule – Baramati, Maharashtra
8	Radheshyam Satish Ghadge	Dr. Heena Gavit – Nandurbar, Maharashtra	22	Gaurav Patil	Ms. Supriya Sule – Baramati, Maharashtra
9	Omkar Sunil Nath	Dr. K. Kamaraj -Kallakurichi, Tamil Nadu	23	Harshita Ojha	Ms. Supriya Sule – Baramati, Maharashtra
10	Venupriya Devarasetti	Dr. K. Kamaraj -Kallakurichi, Tamil Nadu	24	Feroz Baker	Ms. V. Sathyabama - Tiruppur, Tamil Nadu
11	Arunsandeep Chandrados	Dr. K. Kamaraj -Kallakurichi, Tamil Nadu	25	Manisha Panghal	Ms. V. Sathyabama - Tiruppur, Tamil Nadu
12	Birendra Kumar	Dr. K. Kamaraj -Kallakurichi, Tamil Nadu	26	Chaithra A Navada	Ms. V. Sathyabama - Tiruppur, Tamil Nadu
13	Uma T.V.	Mr. Dhananjay Mahadik – Kolhapur, Maharashtra	27	Eswar Avinash J	Mr. A Vijayakumar -Kanyakumari, Tamil Nadu
14	Rajesh Yadav	Mr. Dhananjay Mahadik – Kolhapur, Maharashtra	28	Vishnu Nair	Mr. A Vijayakumar -Kanyakumari, Tamil Nadu

New India Internship – Faculty Mentors and Advisory Committee

Rural Development		Prof. Devendra Jalihal, Electrical Engineering	dj@iitm.ac.in
Dr. Ramu Palaniappan, Engineering Design	palramu@iitm.ac.in	Education	
Prof. Abhijt P. Deshpande, Chemical Engineering	abhijit@iitm.ac.in	Prof. Pijush Ghosh, Applied Mechanics	pijush@iitm.ac.in
Prof. Susy Verghese, Chemical Engineering	susy@iitm.ac.in	Prof. Suresh Babu, Humanities & Social Sciences	sureshbabum@iitm.ac.in
		Dr. V. Vijayalakshmi, Management Studies	viji@iitm.ac.in
Environment, Pollution, Water & Sanitation		Dr. G. Venkatesh, Electrical Engineering (CTaP, IITM)	gvonthenet@gmail.com
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Prof. B. S. Murty, Civil Engineering	bsm@iitm.ac.in	Housing	
Prof. Indumathi M. Nambi, Civil Engineering	indunambi@iitm.ac.in	Prof. Devdas Menon, Civil Engineering	dmenon@iitm.ac.in
Prof. Shiva Nagendra, Civil Engineering	snagendra@iitm.ac.in	Prof. A. Meher Prasad, Civil Engineering	prasadam@iitm.ac.in
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Dr. Sujatha Srinivasan, Mechanical Engineering	sujsree@iitm.ac.in	Mr. B. Srinivasa Prabhu (Lok Sabha Director)	prabhusharma106a@gmail.com
		Mr. Prime Point Srinivasan (Founder, Sansad Ratna)	prpoint@gmail.com
Energy		Mr. G. A. Prithvi (PS to Shri Arjun Ram Meghwal, MPA, Gol)	gaprithvi@gmail.com
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Prof. N.V. Ravikumar, Metallurgical & Materials Engineering	nvrk@iitm.ac.in	Mr. James Rajanayagam (CSIE, IIT Madras)	jraj0508@gmail.com
		Dr. K. Nagesh (IIITS)	nagesh.k@iiits.in
Digital India		Mr. V. Suresh, Founder & Chairman, Hywel Group, Chennai	ceohywel@gmail.com

Kallakurichi Team – Honourable Chief Minister of Tamil Nadu Edappadi Shri K. Palaniswami & Dr. K. Kamaraj





Sāṁśāṁ Rālnā[®]
Awards Committee

Sāṁśāṁ Rālnā[®] Awards - 10th Edition

Brief Guest

ANVAYAL UROHIT



Bikaner Team, Rajasthan with Mr. Arjun Ram Meghwal



Baramati Team, Maharashtra



Tiruppur Team - Thamaraikarai



Kanyakumari Team, Tamil Nadu



Kolhapur Team, Maharashtra



Kanyakumari Team, Tamil Nadu



Kolhapur Team, Maharashtra



Tiruppur Team with Ms. V. Sathyabama MP



நியூ இந்தியா இன்டர்ன்ஷிப் திட்டத்தின் கீழ்
திருப்பூர் எம்.பி #சத்தியபாமா அவர்களின்
வழிகாட்டுதலோடு திருப்பூர் பாராளுமன்ற
தொகுதிக்குட்பட்ட பகுதிகளில் செ...



Programme Schedule for New India Interns, Kallakurichi Constituency, Tamil Nadu

**New India Mission
IIT ,Chennai.**

Constituency Name:Kallakurichi				
Sl.no	Selected Panchayat	Assembly Segment	Block	District
1	Seerpananthai	Rishivandhiyam	Rishivandhiyam	Villupuram
2	Thirupalapandal	Rishivandhiyam	Thirukoilur	Villupuram
3	Arasampattu	Sankarapuram	Sankarapuram	Villupuram
4	Thandalai	Sankarapuram	Kallakurichi	Villupuram
5	Vilambar	Kallakurichi	Kallakurichi	Villupuram
6	Porasakurichi	Kallakurichi	Thiyagadurgam	Villupuram
7	Melnariyappanur	Kallakurichi	Chinnasalem	Villupuram
8	Ulipuram	Gangavalli	Gangavalli	Salem
9	Siruvachur	Gangavalli	Thalaivasal	Salem
10	AmmamPalayam	Attur	Attur	Salem
11	Thalavaipatti	Attur	Pethanaickenpalayam	Salem
12	Minnampalli	Yercaud	Ayothiyapattinam	Salem
13	Neermullikuttai	Yercaud	Vazhapadi	Salem

Serial no.1-13Selected Panchayats for interns visit, survey, assess the infrastructures facilities and identify the problems faced by people

All above villages basic infrastructure like Provision of Drinking water, piped water supply to households, recharge of ground water, Road infrastructure, drainage facilities, sewage treatment, collection of garbage and disposal, promotion of Renewable energy usage, reduce power consumption, control of Environmental Pollution, improve green coverage, House dust control, Mosquito control

Problems faced by Farmers water shortage, efficient use of water, control weeds, control of pests and insects, Mechanisation of Agricultural activities, organic farming, Methods to reduce farmers expenses for crop rising, Automation of farming activities,

Sanitation facilities, Community toilet for those do not have enough space in the house.

Health infrastructure and improvement of Health facilities

Schools-infrastructures and modern method of teaching, language learning especially local language, and any other languages people want to learn. Improve communication skills.

Water scarcity areas and areas water contaminated -providing drinking water solution

Kalvarayan Hills, Shervaroys Hills and Pachamalai Hills

Telecommunication facilities-mainly Mobile connectivity 2G/3G and Broadband connectivity in hilly areas, road connectivity to unconnected habitations and drinking water provision in summer

Accommodation :

Kallakurichi, or Salem or Attur depending upon the district

Contact Person:All purposes

Mohammad Nazar:9791788292

E-mails id : mdnazam@gmail.com

Villupuram District:

Sivakumar :6374382868

Salem District:

1.Arun Venu :6383293815

2.Arun Nallathambi:9344980003

E-mail id : arun12345@gmail.com

Member of Parliament

Dr.K. Kamaraj M.P-9443386774

Email Id : bharkavanclinic@gmail.com

Baramati KVK - Accommodation Facilities



Kallakurichi Team



Tiruppur Team



Tiruppur Team



Tiruppur Team



Sample On-field Report

[12/27/2018, 11:28 PM] +91 94232 76337: Hello Sir,

I'm Gaurav from Baramati Constituency. We had visited 5+ villages from different soil patterns. Problems are pretty similar with the respective pattern villages.

So, this week onwards we started working on *building key partnerships* who will be helping us in cultivating/executing our tech solutions to the ground level. The Agenda of these meetings was to create an information and technology transfer supply chain.

[12/27/2018, 11:30 PM] +91 94232 76337: We focused on 4 major sectors : *Water conservation and resource management, Modern Agriculture, Healthcare, Solar Energy*

*Modern Agriculture:

As this area is famous for their advance farming practices. It would be easy to imbibe tech mindset among the farmers. There are 700+ Krishi Vigyan Kendra(KVK) all across the India aiming to teach modern farming to farmers. KVK Baramati was the first one started in 1970, they are the pioneers of Drip Irrigation in India. Here, they have Dutch and Israel farming techniques on soilless farming, etc. They are in touch with *1 million farmers* through their Mobile app and various session. So, we met the manager here and he agreed in spreading our tech solutions to masses.

They're hosting a grand summit on 18-20 Jan where nearly 3 lakhs farmers will be visiting KVK. We already connected *2 startups* from IIT M research park with KVK who were working on organic fertilizers.

Sample On-field Report

[12/27/2018, 11:31 PM] +91 94232 76337: Water Conservation and Resource:

Average Rainfall in this area was 100mm and caused drought in 67 out of 97 villages in the month of December (till 7 more months are left) This is problem has been faced by nearly 60+ Villages. We met a member from *Paani Foundations*(Founded by Aamir Khan in Satyamev Jayate Show) and they agreed to help us in executing solution which will be suggested by our Institution. They will use local Villagers and CSR as their resource. They already are conducting *water cup** competition making villages self independent on their water demands.

[12/27/2018, 11:33 PM] +91 94232 76337: *Solar Energy:

We visited village named Katphal which is far ahead in development than other villages, Because they receives more than 50lakh+ CSR money from Piaggio Automobiles. The Sarpanch want to make whole village *run on solar energy* (at least few equipment's). We'll be soon contacting *SELCO*, social enterprise envision to offer affordable energy solutions to 3 million rural Indians via their innovative micro financing model.

[12/27/2018, 11:36 PM] +91 94232 76337: *Healthcare:

We found many pressing problem statements. As Healthcare is managed by stated government, it's hard to find someone responsible for execution. On the tech side/solutions, we'll be contacting *Healthcare Technology Innovation Centre, IIT Madras* (HTIC, IIT Madras) soon on building prototyped for those problems statements.

[12/28/2018, 8:08 AM] +91 80565 34932: <https://youtu.be/ilZuSXaGcwk>



Chidambaram - Ariyalur



Chidambaram - Kollidam River





NII Winter 2018



THANK YOU