



**MANIKAM RAMASWAMI  
COLLEGE OF ARTS & SCIENCE**

PAMBAN SWAMY NAGAR, THIRUPPARANKUNDRAM, MADURAI - 625 005.

(Co-education) Affiliated to Madurai Kamaraj University

## **SOCIAL INTERNSHIP**

**BACHELOR OF SCIENCE IN  
DATA SCIENCE AND ANALYTICS**

**BY**

**SANJAY ARAVIND S**

**(C3S48968)**

**UNDER THE SUPERVISION OF  
MR.SIKKANDER**

**DURATIONS : 18 - 26 June,2024**



## CERTIFICATE OF INTERNSHIP

THIS INTERNSHIP PROGRAM  
CERTIFICATE IS PROUDLY AWARDED  
TO

# SANJAI ARAVINTH S

For outstanding completion of the internship  
program at Tirumangalam Municipality,  
from 18-26th June 2024.

*[Signature]*  
SANITARY INSPECTOR,  
TIRUMANGALAM MUNICIPALITY.

*[Signature]*  
COMMISSIONER,  
TIRUMANGALAM MUNICIPALITY.



# MANIKAM RAMASWAMI COLLEGE OF ARTS & SCIENCE

PAMBAN SWAMY NAGAR, THIRUPPARANKUNDRAM, MADURAI - 625 005.

(Co-education) Affiliated to Madurai Kamaraj University

## MRCAS Social Internship – Work Diary

Name of the Student: Sanjai Aravindh

Department: B.Sc., CS (RI)

S.No	Date	Nature of work carried out	Supervisor Sign
1	18-06-2024	Gain knowledge about MCC (Micro composting centre)	R. J. Aravindh 18.06.24.
2	19-06-2024	Visited FSTP and do field work and planted a tree	R. J. Aravindh 19.06.24.
3	20-06-2024	Visited Library and learn to update academic details	R. J. Aravindh 20.06.24.
4	21-06-2024	Learn to access Urban sprawl website and group discussion	R. J. Aravindh 21.06.24.
5	22-06-2024	Awareness given for public	R. J. Aravindh 22.06.24.
6	23-06-2024 24-06-2024	Visited park	R. J. Aravindh 23.06.24.
7	24-06-2024	—	
8	25-06-2024	Discus about the project.	R. J. Aravindh 25.06.24.
9	26-06-2024	Discus about the overall experience at TMC	R. J. Aravindh 26.06.24.

Internal Supervisor

Department HOD

## **CONTENTS**

- 1. Organization Profile**
- 2. Introduction**
- 3. Function aspect of the organization**
- 4. Day wise activities**

**\*Orientation On TMC  
\* Visited MCC  
\* Look Around FSTP  
\* Visits Library  
\* Knowned about tnurabn website  
\* Gave an awareness about splitting wastes  
\* General visit at the park  
\* Discussed the project  
\* Overall Conversations about TMC**

- 5. Conclusion**

- 6. Appendix**

## **INTERN DISCRIPTION**

**Durations of internship : 8 Days ( 18.06.2024 - 26.06.2024 )**

**Working Hours : 6 hrs/day [ 9: 00 - 2 :00 ]**

**Mentors : Mrs. Durga Devi And Mrs. Anita**

## **ACKNOWLEDGEMENT**

I would like to extend my sincere gratitude to MR. Ashok Kumar commissioner of Thirumangalam municipality corporation for accepting me to do my internship. And I also thank to Mr.Sikkander (Sanitary Inspector), for being a mentor for this unwavering support and help needed in this program. I also thank to the members in the municipality office for gave support in the field visits. Their dedicated to keep our community's growth and development to hygiene and neat has been instrumental in the success for our project. I'm grateful for the opportunity to have worked on this project. And I would like to thank our MRCAS for providing me with the necessary resources and the support to complete this project. Thank you TMC for being an exemplary partner in our journey towards a society.

## **THEME OF INTERNSHIP**

My internship at the municipality office was a valuable learning experience that allowed me to explore the inner workings of local government. The theme of my internship was "Enhancing Public Services through Innovative Governance". I worked on various projects aimed at improving the delivery of public services, such as waste management, water supply, and road maintenance. I also assisted in implementing innovative solutions, like digital payment systems and citizen engagement platforms.

Through this experience, I gained valuable insights into the importance of effective governance in improving the lives of citizens. I realized that even small changes in processes and systems can have a significant impact on the community. My internship project aimed to identify areas for improvement and propose sustainable solutions.

The experience taught me the value of collaboration, communication, and problem-solving in a real-world setting. I worked with a team of dedicated professionals who were passionate about making a difference in the community. Together, we brainstormed ideas, shared knowledge, and learned from each other's strengths and weaknesses. The internship reinforced my passion for public service and inspired me to pursue a career in this field. I am grateful for the opportunity to have contributed to the betterment of the community and look forward to applying the skills and knowledge gained in my future endeavors.

## **1. Organization Profile**

Thirumangalam has a rich history dating back to the Pandya era. The town was an important center of trade and commerce during the reign of the Pandya kings. In 1920, Thirumangalam was declared a town panchayat, and in 1959, it was upgraded to municipality.

### **1.1 Name: Thirumangalam Municipality**

### **1.2 Location: Madurai District, Tamil Nadu**

### **1.3 Type: Second Grade Municipality (upgraded to First Grade as per (link unavailable) 127 MA&WS dated 21.8.2013)**

### **1.4 Area: 10.70 (link unavailable)**

### **1.5 Committees:**

- Taxation Appeal Committee
- Appointment Committee
- Local Planning Authority

### **1.6 Schemes:**

- Rain Water Harvesting
- Vision Plan
- Poverty Eradication Programme

### **1.7 Services:**

- Banks
- Bus Route
- Train Schedule
- Educational Institutions
- Hotels
- Police Stations

### **1.8 Administration:**

- General Administration
- Accounts
- Engineering
- Town Planning
- Public Health

### **1.9 Commissioner: \* Mrs. T. Leena Simon (Addl. Charge)**

## **2. Introduction**

Thirumangalam Municipal Corporation is a second-grade municipality located in Madurai District, Tamil Nadu, India. It was upgraded to first grade in 2013. The municipality covers an area of 10.70 square kilometers and has a population of over 50,000 residents.

### **1. Administration:**

The municipality is headed by a commissioner who is responsible for the overall administration of the town. The commissioner is assisted by a team of officials, including:

#### **1.1 General Administration:**

responsible for the day-to-day administration of the municipality.

#### **1.2 Accounts:**

responsible for managing the financial affairs of the municipality.

#### **1.3 Engineering:**

responsible for maintaining the town's infrastructure, including roads, bridges, and buildings.

#### **1.4 Town Planning:**

responsible for planning and developing the town's infrastructure.

#### **1.5 Public Health:**

responsible for maintaining the town's sanitation and public health.

### **2. Services:**

The municipality provides various services to its residents, including:

- Water supply
- Sewerage and sanitation
- Roads and transportation
- Street lighting
- Solid waste management
- Public health services
- Educational institutions
- Healthcare facilities

### **3.Schemes and Projects:**

The municipality has implemented various schemes and projects to improve the town's infrastructure and provide amenities to its residents, including:

- Rain Water Harvesting scheme to conserve water
- Vision Plan to develop the town's infrastructure
- Poverty Eradication Programme to provide economic opportunities to the poor

### **4.Committees:**

The municipality has various committees to oversee different aspects of its administration, including:

- Taxation Appeal Committee
- Appointment Committee
- Local Planning Authority

## **3. Functional Aspect of the organization**

**3.1 General Administration:** responsible for the day-to-day administration of the municipality

**3.2 Accounts:** responsible for managing the financial affairs of the municipality

**3.3 Engineering:** responsible for maintaining the town's infrastructure, including roads, bridges, and buildings

**3.4 Town Planning:** responsible for planning and developing the town's infrastructure

**3.5 Public Health:** responsible for maintaining the town's sanitation and public health

**3.6 Water supply:** responsible for providing clean water to the residents

**3.7 Sewerage and Sanitation:** responsible for maintaining the town's sewage system

**3.8 Roads and Transportation:** responsible for maintaining the town's roads and transportation infrastructure

**3.9 Street Lighting:** responsible for maintaining the town's street lighting system

**3.10 Solid Waste Management:** responsible for managing the town's solid waste

**3.11 Educational Institutions:** responsible for maintaining the town's educational institutions

**3.12 Healthcare Facilities:** responsible for maintaining the town's healthcare facilities

**3.13 Banks:** responsible for maintaining the town's banking services

**3.14 Bus Route:** responsible for maintaining the town's bus route and schedule

**3.15 Train Schedule:** responsible for maintaining the town's train schedule

**3.16 Police Stations:** responsible for maintaining law and order in the town

## **4. Day wise Activities**

**Day 01 : 18.06.2024**

### **1. Orientation On TMC**

**TMC - Thirumangalam municipality corporation**

**It is a Public Health Services Department**

**It Has 4 sectors, they are :**

- 1. Admin**
- 2. Server**
- 3. SBM( Swachh Bharat Mission )**
- 4. Women's Health Centre**



## 2. Visited MCC

MCC - Micro Composting Centre. It was set up by corporation to facilities decentralized processing of the organic waste collected from the markets, streets, companies, etc...

They use EM solutions for waste composition. It is an Effective Micro Organisms for solutions composting.

The ratio for each tank is 90 liters of water, 3 liters of curd, and 5 kg of jaggery .

In TMC there are 3 MCC

1 MCC tank Contains 4 tons of wastes

Types Of Wastes :

1. Wet Wastes      2. Dry Wastes

1. Wet wastes :

(i) Wet waste are nothing but the type of waste in liquid form, for example; the wastewater from kitchen, bathrooms, lavatories, laundries and laboratories.

(ii) Municipal, domestic and agricultural solid wastes that can be degraded by micro-organism are called degradable or biodegradable wastes.

These are further classified into two parts:

(i) Simple biodegradable waste - These wastes are easily broken down by natural processes of decomposition.

(ii) Complex biodegradable wastes - The waste material that comes under this category is not easily decomposed. They are resistant to natural processes of decomposition.

Examples:

- \* Kitchen waste including tea leaves, eggshells, fruit and vegetable peels, leftover and/or stale food
- \* Organic market waste such as fruit and vegetable peels, rotten and/or spoilt vegetables and fruits
- \* Meat and bones
- \* Garden and leaf litter, including flowers



## **2. Dry Wastes :**

Dry waste consists of waste that does not decay. It is also known as waste which cannot be biodegradable. Dry waste consists of paper, glass, thermocol, Styrofoam, rubber, metal, cloth, empty bottles, stationeries, etc. and can be recycled into new products further. Before segregating, sharp materials like glass and other metals shall be kept in a separate bag/container.

Here are some common types of dry waste:

### **1. Recyclable dry waste:**

- Plastics (PET, HDPE, PVC, LDPE)
- Glass
- Metals

### **2. Non-recyclable dry waste:**

- Textiles
- Leather
- Rubber

### **3. Electronic waste (e-waste):**

- Computers
- Televisions
- Batteries

### **4. Construction and demolition waste:**

- Drywall
- Brick
- Ceramic tiles

### **5. Industrial dry waste:**

- Packaging materials
- Plastic containers

### **6. Household dry waste:**

- Old furniture
- Mattresses

## Look Around FSTP

FSTP (Faecal Sludge Treatment Plant) is a facility designed to treat and manage faecal sludge, which is the semi-solid material that accumulates in onsite sanitation systems such as septic tanks and pit latrines.

FSTPs are used to:

1. Treat faecal sludge to remove pathogens and contaminants
2. Reduce the volume of the sludge
3. Produce a biosolid that can be safely reused or disposed of

The treatment process typically involves:

1. Reception and screening
2. Grinding and mixing
3. Anaerobic digestion
4. Dewatering
5. Disinfection

FSTPs are essential for maintaining public health and environmental sustainability in urban areas, particularly in developing countries where access to safe sanitation is limited.

Some benefits of FSTPs include:

1. Improved public health
2. Reduced environmental pollution
3. Increased access to safe sanitation
4. Production of a valuable biosolid for agriculture or energy generation
5. Reduced greenhouse gas emissions

Overall, FSTPs play a critical role in managing faecal sludge and promoting sustainable sanitation practices.

Day 03 : 20.06.2024

## Visits Library

1. Explore the new space and collections
2. Attend a library tour or orientation
3. Get a library card or update your existing one
4. Check out new books, media, and resources
5. Use new technology and equipment
6. Attend events, workshops, and programs
7. Meet the librarians and library staff
8. Discover new authors, genres, and topics
9. Learn about new services and resources
10. Get comfortable and enjoy the new reading and study space

## Known About Aadhar Process :

- Visit an authorized Aadhaar enrollment center
- Fill out the enrollment form
- Submit the proof of Identity and address documents
- Get demographic and biometric data captured
- Collect acknowledgement slip containing Enrollment ID

The following are accepted proofs of identity and address :

- Election photo ID card
- Ration card
- Passport
- Driving license
- PAN card
- Government ID cards
- Water, electricity, or landline telephone bills for the last three months



## Known About tnurabn website :

TNUUrban (Tamil Nadu Urban Rural Area Business Hub) is a comprehensive online platform that offers a range of services and information to citizens of Tamil Nadu, India.

Some of the key features and services available on the website include:

### 1. Aadhaar Services:

- Enrollment and update
- Download Aadhaar card
- Check Aadhaar status

### 2. Certificates:

- Birth certificate
- Death certificate
- Income certificate
- Residence certificate
- Community certificate

### 3. Utility Payments:

- Electricity bill payment
- Water bill payment
- Gas bill payment
- Telephone bill payment

### 4. Pension Schemes:

- Apply for pension schemes
- Check pension status

### 5. Online Applications:

- Apply for various government schemes and services

### 6. Departmental Information:

- Details on various government departments and their services

### 7. Schemes and Services:

- Information on various government schemes and services

### 8. Citizen Services:

- Apply for income tax, PAN, and TIN
- Check application status

### 9. Government Orders:

- View and download government orders and circulars

## **10. Online Services:**

- Apply for encumbrance certificate
- Apply for building license
- Apply for trade license

The website aims to provide a convenient and transparent platform for citizens to access various government services and information, reducing the need for physical visits to government offices.

**Day 05 : 22.06.2024**

## **Awareness About splitting wastes :**

Raising public awareness about splitting wastes is crucial for effective waste management and a cleaner environment. Here are some key points to emphasize:

### **1. Importance of waste segregation:**

\*Explain how separating wastes helps in proper disposal and recycling.

\* Highlight the environmental benefits, such as reduced pollution and conservation of natural resources.

### **2. Types of wastes:**

\*Educate people about the different types of wastes, such as:

\*Organic (food waste, garden trimmings)

\*Inorganic (plastics, metals, glass)

\*Hazardous (batteries, electronics, chemicals)

\*Recyclable (paper, cardboard, plastic bottles)

### **3. How to split wastes:**

\*Demonstrate how to separate wastes into different categories.

\*Provide examples of what goes into each category.

### **4. Benefits of splitting wastes:**

\*Emphasize the benefits of proper waste segregation, such as:

\*Reduced waste going to landfills

\*Increased recycling rates

\*Conservation of natural resources

\*Reduced greenhouse gas emissions

### **5. Encourage community involvement:**

\*Organize community events or campaigns to promote waste segregation.

\*Encourage people to take ownership of their waste management practices.

## 6. Provide resources and support:

\*Offer guidelines, posters, and other materials to help people understand and implement waste segregation.

\*Provide access to recycling facilities and waste management services.

## 7. Lead by example:

\*Show the public that splitting wastes is important by practicing it yourself.

\* Share your own experiences and tips with others.

Remember, raising awareness is an ongoing process that requires consistent effort and creativity. By working together, we can foster a culture of waste segregation and contribute to a cleaner, more sustainable environment.

Day 06 : 24.06.2024

## General visit at Municipality park

When a park is tied up with the municipality, it means that the park is likely maintained and managed by the local government.

This partnership can provide several benefits, such as:

1. Improved maintenance and upkeep
  2. Enhanced security measures
  3. Better amenities and facilities
  4. Organized events and activities
  5. Increased community engagement
  6. Collaborative efforts for park development and improvement
  7. Access to municipal resources and funding
  8. Enforcement of park rules and regulations
  9. Joint planning for future park projects and expansions
  10. Strengthened community relationships and social connections.
- This partnership can help create a safer, more enjoyable, and sustainable park experience for everyone!

Day 07 : 25.06.2024

### Projects Discussed For MCC :

Using AI in a project for MCC can enhance efficiency and innovation. Here are some ideas:

1. Intelligent Waste Management: Implement AI-powered sensors to monitor waste levels and optimize collection routes.
2. Chatbots for Citizen Services: Develop AI-powered chatbots to provide citizens with quick and easy access to information.

3. Environmental Monitoring: Use AI-powered sensors to monitor air quality, noise pollution, and water quality, enabling data-driven decisions

These AI applications can improve the efficiency and effectiveness of municipal services, enhancing the quality of life for citizens.

Day 08 : 26.06.2024

### Overall Discussion Of TMC

#### Services Provided:

Birth & Death Certificates: Issuance & registration of birth, death certificates are managed here, crucial for legal documentation demographic records.

Waste Management: Coordination of waste collection and disposal services to maintain cleanliness and hygiene in the town.

Public Health: Initiatives to promote health awareness and sanitation practices among the community.




















Galaxy M14 5G



Galaxy M14 5G



Galaxy M14 5G

ଶିକ୍ଷାମର୍ଗସଂଲପ୍ ନିରାପତ୍ତି  
ମୁଖ୍ୟ ଉପକାରୀଙ୍କ - ଅଧ୍ୟାତ୍ମିକ ଯୋଗ [୧୦୨-୧୧]

ପ୍ରକାଶନ ଗୀତ,

17, 18, 19, 20, 23, 24, 25

[ දෙසැම්බර් - ජනවාරි මධ්‍ය ]							[ දෙසැම්බර් - 19 ]						[ දෙසැම්බර් - 20 ]						[ දෙසැම්බර් - 21 ]						[ දෙසැම්බර් - 22 ]												
දින	නොටුව	අභ්‍යන්තර ප්‍රතිචාර		නොටුව (කුරු)	නොටුව (කුරු)	නොටුව (කුරු)	නොටුව (කුරු)	Achieved Waste [ කුරු අංශ ]						Achieved Waste [ කුරු අංශ ]						Achieved Waste [ කුරු අංශ ]						Achieved Waste [ කුරු අංශ ]											
		නොටුව	නොටුව					නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව	නොටුව				
1.	17	ප්‍රේම් තුළ, ප්‍රාග්ධන තුළ, සොඩ තුළ නොටුව (කුරු), සැම්බුරු තුළ, ප්‍රාග්ධන තුළ, වෘත්ත තුළ තුළ, ආලෝක තුළ, උග්‍රාදු සුංඛ, ප්‍රාග්ධන තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 350	Gov-					164	158																											
1.	18	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ, ප්‍රාග්ධන තුළ, P.T. තුළ තුළ, ප්‍රාග්ධන තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 315	Gov-					154	149																											
2.	19	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ, ප්‍රාග්ධන තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 450	Gov-					71	65																											
3.	20	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 400	Gov-					85	93	193	184																									
4.	21	ප්‍රේම් තුළ තුළ, උග්‍රාදු තුළ, සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 185	Gov-					72	74																											
5.	22	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ (වැඩිහිටි-ව.)	ර- 450	Gov-					135	129																											
6.	23	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 320	Gov-					91	94																											
7.	24	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 480	Gov-					191	181																											
7.	25	ප්‍රේම් තුළ තුළ, ප්‍රාග්ධන තුළ, උග්‍රාදු තුළ සැම්බුරු තුළ (වැඩිහිටි-ව.)	ර- 480	Gov-					81	62	72																										
		නොටුව		2500																																	
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව																																			
		නොටුව					</																														

Target - 29°

નામ	સ્પેચ	સ્કોર
1.	જિતું	56%
2.	અનુષ્ણ	52%
3.	વિજય	
4.	દીપુંદ્ર	
	નાના	

