

- 1. Project Title** : Science Technology and Innovation Hub in Senguttai Tribal hamlet in Tholampalayam, Panchayat Village, Karamadai Block, Mettupalayam Taluk, Coimbatore District, Tamil Nadu State. (Transfer of technology on the development of natural colourant from red Tamarind Tamarindus indica L. (red variety) for use in food and cosmetic industries to Irular tribes in Coimbatore district, Tamil Nadu: A tribal development initiative)
- 2. Name of the Principal Investigator** : Dr. N. Senthilkumar, Scientist-G
- 3. Name of the funding agency** : NRDMS, DST, New Delhi
- 4. Date of start & end; Total duration** : 01.04 2023-31.03.2026; 3 years
- 5. Total Budget** : Rs. 85,01,630

6. Objectives

1. Transfer of technology on the development of bio-products to Irular tribes in forest fringe villages for livelihood improvement.
2. Capacity building on non-farm activities to develop bio-products based on locally available resources.
3. Validation of bio-products and establishment of marketing channel for their livelihood.

7. Outline of Research Programme (yearly plan of action):

Year	Activity
First	<ol style="list-style-type: none"> 1. Identification of tribal settlements for the project. 2. Discussion with Irular tribes in cooperation with forest department and tribal welfare department to frame WSHGs. 3. Mobilize women and frame WSHGs. 4. Demonstration of the technology and products. 5. Establishment of group in a cluster of 10-15 villages. 6. Procurement and establishment of machineries. 7. Procurement, processing of raw materials and Extraction of colourant and characterization. 8. Product development and evaluation of the products for stability and shelf life.
Second	<ol style="list-style-type: none"> 1. Product development and evaluation of the products for stability and shelf life. 2. Capacity building on the development of products. 3. Evaluation of products as per GOI norms 4. Govt. approval (FSSAI). 5. Establishment of marketing channel and its sustainability measures. 6. Assessment of HDI and the impact of technology transfer

Third	<ol style="list-style-type: none"> 1. Product development and evaluation of the products for stability and shelf life. 2. Capacity building on the development of products. 3. Evaluation of products as per GOI norms 4. Govt. approval (FSSAI). 5. Establishment of marketing channel and its sustainability measures. 6. Assessment of HDI and the impact of technology transfer
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8. Overall progress since the implementation of the project:

To support capacity building, an introductory session and hands-on training were organized for various WHGs on the jam-making process and its marketing strategies. These training sessions aimed to empower the WHGs with the necessary skills to enhance their productivity and market reach. A strategic collaboration was established with the Tamil Nadu State Rural Livelihood Mission (TNSRLM) to facilitate the establishment of infrastructure within Kaembrampalyam Panchayat. Interactive meetings were conducted with key stakeholders, including the Project Director, Assistant Project Director, Block Development Officer, Block Manager, and Panchayat President, to streamline the process for land acquisition required for the infrastructure project.

9. Publications made: Nil