

Template for success story of Unnat Bharat Abhiyan

1	Name of the institute & AISHE code	St.Thomas Institute for Science & Technology ,C-43651
2	Name of villages where rural development activities was carried out	Iroopara
3	Title of your success story	“SMALL SHED LIGHT STRAW CLAY WALL CONSTRUCTION”
4	Photos of the UBA activities	1 



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| 5 | Description of each photo in maximum of 50 word | <p>1- UBA logo highlighted in G.I sheet board</p> <p>2- Sri. D.Rameshan (Kattaikaonam, Councilor), Sri.Madhu.S (Head Master ,Govt.UPS,Kattaikonam), Dr.AG Mathew (Principal ,STIST), Sri.Asish Prasad (Project Coordinator & Asst.Professor, Civil Dept., STIST), Smt.Athira C H(Project Coordinator & Asst.Professor, Civil Dept., STIST), Sri.Tony Alwin (UBA Co-ordinator & Asst.Professor, EC Dept., STIST)at stone laying function of project held at Govt.UPS, Kattaikonam</p> <p>3- Roof frame welding completed with GI circular & rectangular pipes in STIST workshop</p> |
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6	Photos of villages before and after activities	
7	Photos of Meetings/ workshops/ conference/ Gram Sabha etc.	 Public meeting organized in Iroopara village for stone laying function of project
8	Overall story in 300 words	The initial endeavor of this project was to plan for the project. We tried to find the apt location for implementation of the project with the help of Sri. D.Rameshan (Kattaikaonam, Councilor). At the same time, the plan of the shed was also prepared by the CE department, STIST. After the selection of the site, the focus was on the production of bricks. The production process of bricks was to collect high clay content soil from Mangalapuram and then mixed it with chopped straw and allowed it to ferment. The breaking down of the straw into thin fibers created an ideal mix and this mix was used to make bricks. The above specified bricks were used in the construction of the shed. Initially the foundation was completed using stone masonry, cement and clay. Above that, the brick wall was constructed with the help of a mortar mixture of cement, M sand and clay. The roof frame was made using four GI circular pipes and GI rectangular pipes welded together to form a frame. In the frame, GI sheets were fixed using screws to complete the roof. The constructed light clay wall shed was painted using Terracotta. The completed shed had been handed over to school authorities on 10/01/2023. The school authorities plan to use this shed as an open reading room for students. UBA logo bearing G.I

sheet board was also placed near the shed as per recommendations. Consolidated details of expenditure are attached in a separate sheet. We would like to thank NCI-UBA, IIT Delhi for providing approval and funding for this project. The management of our college, Mar Thoma Church Educational Society (MTCES) and Principal Dr. A.G Mathew, Sri. D.Rameshan (Kattaikaonam, Councilor), Sri.Madhu.S (Head Master , Govt. UPS, Kattaikonam), faculties and students of STIST had fully supported us throughout this project.

Faculty In-charge :-

A. Project Co-ordinators:

1. Dr. A.G Mathew, UBA Chairman & Principal, STIST.
2. Mr.Tony Alwin, UBA Co-ordinator & Asst.Professor Dept. of ECE, STIST.
3. Mr.Asish Prasad, Asst.Professor Dept. of CE, STIST.
4. Mrs.Athira C H, Asst.Professor ,Dept. of CE, STIST.

B. Project Implementation Location Approval Committee:

1. Sri. D.Rameshan (Kattaikaonam, Councilor)
2. Sri.Madhu.S (Head Master , Govt.UPS,Kattaikonam)

C. Construction Team:-

1. Sri.Saju V Rajan and team (from College Management- MarThoma Church Educational Society, Construction Dept.)

D. Lab Instructors involved: -

1. Mr.M.Sheriff, Lab Instructor, STIST.
2. Mr.Ajimon Karunakaran, Lab Instructor, STIST.
3. Mr.Febin Stephen, Lab Instructor, STIST.

Students involved:-

A. Graduated students

1. Abhinav Suresh (STI18CE001)
2. Amar Muhammad (STI18CE002)
3. Neethu Krishna S (STI18CE016)
4. Neha Rafi (STI18CE018)

B. Semester 5 - B.Tech Civil Engineering

1. Adwaith R (STI20CE003)
2. Faris N (STI20CE007)
3. Gokul G S (STI20CE009)
4. Mohammed Yasim A (STI20CE017)
5. Ali Jafar J (LSTI20CE027)
6. Firoz Khan Y (LSTI20CE028)
7. Goutham G (LSTI20CE029)
8. Midhun M.R (LSTI20CE031)

		9. Prasanth P (LSTI20CE032) <u>C. Semester-7- B.Tech Civil Engineering</u> 1. Anandhu Mohan (STI19CE004) 2. Ismayil Hussain (STI19CE010) 3. Jerin Joseph (STI19CE012) 4. John Tony V (STI19CE013) 5. Sanju Sajeev (STI19CE019) <u>D. Semester-7- B.Tech Electronics & Communication Engineering</u> 1. Akshay L S (STI19EC002) 2. Muhammed Salman (STI19EC008) 3. Nishanth K J (STI19EC009) <u>Work Schedule</u> 1. 27/06/2022 to 15/09/22 :- Planning and site selection 2. 16/09/22 to 14/10/2022:- Approval from concerned authorities and making of bricks 3. 15/10/22 to 05/11/22 : - Stone masonry foundation and brick wall construction 4. 09/11/22 to 06/01/23 : - Roof fabrication, installation of roof and roofing materials 5. 09/01/23 :- Painting and finishing works 6. 10/01/23 :- Handing over of shed to school authorities
9	YouTube channel or social media account's link	https://youtu.be/YKFy5-WsRxI
10	Copies of Media appraisals	-
Optional		
11	Other relevant information (100 words) optional	
12	Any outreach activity (provide link) optional	