

অসম বিজ্ঞান প্রযুক্তিবিদ্যা আৰু পৰিবেশ পৰিষদ  
(বিজ্ঞান আৰু প্রযুক্তি বিভাগ, অসম চৰকাৰ)

**ASSAM SCIENCE TECHNOLOGY AND ENVIRONMENT COUNCIL**

(Department of Science & Technology, Govt. of Assam)

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The following list of projects has been selected for support by ASTEC under the scheme, “**Innovation, Technology Generation & Awareness (ITGA)**” of S&T Division for the year 2018-19”.

1. Design of smartphone platform fluorescence microscopic system for resource poor regions.  
PI: Pabitra Nath, Associate Professor, Department of Physics, Tezpur University, Napaam
2. Garbage cleaning set  
PI: Bhabesh Ch. Das, Dadara, Hajo, Kamrup
3. Medicated skin patch to mitigate destructive pulmonary tuberculosis in six districts of Assam.  
PI: Subham Banerjee, Ph.D., Assistant Professor, Dept. of Pharmaceutics, National Institute of Pharmaceutical Education and Research (NIPER), Guwahati -781125, Assam
4. Development and construction of hull structure of boat using bamboo trunk as shell member blended with wooden/steel or bamboo framework.  
PI: Tilak Chandra Mahanta, Deputy Director (Design), Inland Water Transport Department, Govt. of Assam
5. Model Mechano - Biological process of banana pseudo-stem retting for development of handmade paper.  
PI: Mahesh Chandra Bora, Director, Elrhino Eco Industries Pvt. Ltd., Guwahati
6. An aid for curing Hemiplegia, paralysis of half of the body.  
PI: Durga Prasad Nath, Vill: Mayengia, P.O.: Charaibaahi, Morigaon, Assam 782106
7. Design and development a prototype for commercial, cost-effective, multi-product plant for “Extraction of essential oil by steam distillation for smaller farmers and entrepreneurs of Assam”.  
PI: Dr.Dilip Sarma, Indigenous Assamese Women’s Identity, H.No.5, Padumpukhuri, Uzanbazar, Guwahati-1
8. Design of an automated tool for verification of purity of Muga Silk.  
PI: Dr. Minakshi Gogoi, Asst. Professor, Department of Computer Science and Engineering, GIMT, Hathkhowapara, N.H. 37, Azara, Guwahati – 781017
9. Drainage problem  
PI: Samijul Haque, C/O- Samsul Haque, Vill- Khatabari, Ward No. 1, Nalbari Town, P.O.- Nalbari, Dist-Nalbari, Assam, Pin-781335
10. Development of a battery operated paddy transplanter for small farmers.  
PI: Bhaskarjyoti Chamuah, H/N-18, College Road, Bylane-II, Bongaon, Beltola, Guwahati

11. Coherent narrow band light source based oblique incidence reflectometry for rapid meat quality assessment.  
PI: Dr. Ankur Gogoi, Assistant professor, Department of Physics, Jagannath Barooah College, Barpatra Ali, Jorhat-785001
12. Development and evaluation of herbal anti-arthritic gel.  
PI: Bapan Banik, Convenor (REDIMAP-2018, REDIMAP- 2019), Assistant Professor, Dept. of Herbal Sc. and Technology, A.D.P. College, Nagaon
13. Convert a specially designed crutch into a simple sitting chair by just adjoining the pair of crutches together.  
PI: Raja Sarkar, Ward No.8, Netaji Road, P.O.-Dhekiajuli, Dist. Sonitpur, Assam
14. Installation of Zero Head Water Turbine in open channel for generation of power for off grid electrification.  
PI: Atul Chandra Boruah, A.S.E.B. Colony, Narengi, Guwahati-781026, Kamrup (M), Assam

  
Director 16.07.19  
ASTE Council

Memo No. ASTEC/S&T/1614/8/2018-19/1954 dated 16<sup>th</sup> of July, 2019

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