



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

OUTREACH PROGRAMS AND PROJECTS IN LOCAL COMMUNITY



Community Health Programmes

Community Diagnostic Center (CDC)

School of Paramedics and Allied Health Sciences (SoPAHS), with the intent to meet the ever-growing needs of health care in remote establishments, facilitates the people in Odisha with proper health management, through its well-equipped diagnostic facilities at Community Diagnostic Center. The school owes to it, very sound professionals in different branches of Health care for teaching, research and technical guidance. The faculty and students of SoPAHS are engaged in community healthcare activities around the year. Their curriculum includes projects to be carried out by the students with an aim to fulfil the requirement for improved health services to the nearby community through this Diagnostic facility.

CDC endeavours to provide free and subsidised clinical and para-clinical medical facilities to residents of Odisha. The vicinity people are being benefitted the most with its state of art infrastructure in pathology, physiotherapy, optometry, radiology, emergency medicine, etc.

The pathology department provides training in clinical pathology with emphasis towards professional development, fostering the critical thinking and skills needed to interpret laboratory data as well as correlating them during routine investigations through the Community Diagnostic Center. Its Emergency medical care department provides extensive training in first aid, CPR and advanced critical care in preparation for event of emergency. The objective of the department of Optometry is preserving the eye health and enhancing vision. Wherein the department organizes vision check-up and screening events in the local circle. Vision camps are conducted for diagnosis of diseases such as Glaucoma using Humphrey Visual Field Analyzer, slit lamp for detecting conjunctivitis, Lensometer for determining prescription power of the spectacles, Auto refractometer for determining the refractive power of eye, Fundus camera for examining retina of eye, several other cutting-edge facilities are also available. The school also has other departments such as Radiology, Anaesthesia technology, Physiotherapy, Operation Theatre Technology, etc.



Health facility for the local community in Jatni



Biochemistry Analyzer for LFT, KFT, Lipid profiling and BP measurement



Vision assessment of a patient



Auto refractometer refractive error measurement



Retinoscopy for refractive error



Fundus Camera: Retina examination



Tonometry to check the pressure on eye for screening of glaucoma

Free Health Screening Camps

The University organizes health screening camps that have a substantial influence on the health and welfare of the communities. These initiatives afford individuals the chance to make meaningful contributions to society, foster connections with nearby communities, and provide essential healthcare services to individuals who require them. These camps are organized with the purpose of addressing specific healthcare requirements and challenges, in order to provide a customized service. SoPAHS has organized multiple health screening camps in the Academic year 2022-2023 in socioeconomically disadvantaged areas such as Naranpur, Bodapalasa, Janla, Malkangiri, Bhawanipatna, Gunupur, Keonjhar, Paralakhemundi, Jharsuguda, etc. These camps have benefitted almost 1100+ beneficiaries. These camps provide various services, including free teleconsultation, diagnostic testing, physiotherapy consultation, diabetic screening, drug distribution, dental check-up, gynecology consultation, and blood donation. Health screening camps at Bodapalasa and Paralakhemundi were organized quarterly and around 220 patients and 250 patients were screened and follow up checks for them were carried out respectively in both the locations. Routine check-up camps are organized every alternate month at SoPAHS wherein in free consultation and drug distribution is facilitated to the needy. At least 480 patients have got benefitted from Jatani and nearby localities through these camps. These interventions also offer students the opportunity to gain hands-on experience while simultaneously tackling tangible health issues in the real world.

The planning and execution of these camps is facilitated through a collaborative effort with local panchayats, thereby aiming to augment the efficacy and scope of the health camps. The University supports and enables competent healthcare professionals to deliver precise diagnoses and effective treatments. Mobile health camps play a crucial role in facilitating access to healthcare services in remote areas. In order to ensure the long-term viability of these initiatives, subsequent screenings are also implemented in these regions. The health camp maintains records that encompass various aspects such as the number of participants, the type of services rendered, and the identification of any prevailing health issues. These records serve multiple purposes, including facilitating future planning, conducting impact assessments, and organizing subsequent care for patients. Individuals who suffer from chronic illnesses or require ongoing medical care are provided with recommendations to nearby healthcare providers and clinics in order to receive sustained assistance.



Free health camps and blood donation camps

Comprehensive eye examination and Optical dispensing

The Vision Care Service is a pioneering and indispensable healthcare endeavor established by the University. Its primary objective is to provide eye care services to individuals in need, irrespective of their geographical location or proximity to conventional healthcare facilities. The purpose of this service is to effectively tackle the pressing matter of vision impairment and eye health by providing thorough eye examinations, assessments of visual capabilities, and services for prescribing eyewear. These services are conveniently offered directly to patients at their own residences or within communities that are lacking sufficient access to eye care facilities. The intervention extends its reach to geographically isolated and socioeconomically disadvantaged populations, thereby ensuring equitable access to eye care services for all individuals, and promoting the maintenance of optimal ocular health

This initiative acknowledges the vital importance of ensuring the availability of vision care that is easily accessible. The primary objective is to offer vision care services of exceptional quality, encompassing comprehensive eye examinations and the provision of prescription eyeglasses. The overarching goal is to advance eye health and foster overall well-being. Furthermore, these camps contribute to the promotion of knowledge regarding the significance of routine ocular examinations and appropriate ocular care protocols among populations. Numerous camps have been organized in various localities including Jatni, Titlagarh, Totapada, Panabaraj, Kantia, Balasore, Paralakhemundi, Pandua, Jagatsinghpur, and others. A total of 5500+ patients belonging mostly to the geriatric age group were screened and the project has benefitted at least 4800 patients in the Academic year 2022-2023. Faculty members along with their students volunteers conduct comprehensive eye testing camp every month in Jatni locality, which has benefitted at least 2200 patients. A pilot study was also carried out exclusively at Mayurbhanj district (Odisha) and Kunti (Ranchi) which has benefitted 1400 and 460 patients respectively.

In addition to providing comprehensive eye examinations, the University also offers complimentary prescription eyeglasses to individuals holding Below Poverty Line (BPL) health cards. This initiative is being carried out in partnership with Essilor. The primary objective of these programs is to extend the reach to the tribal and rural regions of Odisha, with the aim of enhancing access to improved eye care services for the local population.



Free eye examination and prescription glasses camps

Healthy and Sustainable Agricultural Training



ATMA Training

The M. S. Swaminathan School of Agriculture at Centurion University organises a one-week residential training program for farmers as part of the ATMA (Extension Reforms) initiative in the Gosani Block. The funding for the Training program is provided by FIAC. In this program, farmers undergo training in various job roles, including:

- mushroom production,
- vermicompost production,
- vegetable production,
- farm machinery,
- dairy farming,
- organic farming,
- fish farming.

The training program is conducted on an annual basis with the primary goal of enhancing the capacity of healthy and sustainable farming skills to achieve better livelihoods.



Mushroom production: Bearing in mind the local climatic conditions, the mushroom cultivation training program focuses on paddy straw and oyster variants. Key focus of the training program is the straw and bed preparation, spawn inoculation.

Vermicompost production: Farmers in this training program receive hands-on training in many stages of vermicompost production, starting from harvesting to packing.

Fishery: Farmers receive training in a variety of sustainable aquatic resource utilization techniques. They are also trained on fish production and post-harvest technologies as part of this training program.

Dairy farming: Farmers are engaged in the rearing and disease control of native and crossbred milching cattle as part of this training program.

Organic farming: Farmers in this session receive hands-on training in many aspects of organic nutrient production and organic vegetable crop cultivation.

Farm machinery: The farmers who participate in this program acquire the skills necessary to use weeders, power tillers, tractors, seed drills, and combined harvesters.

Vegetable production: Farmers learn how to prepare nursery beds, raise vegetables and horticultural crops, and maintain a kitchen garden effectively.



RPL Project

The team at Centurion University is dedicated to the objective of providing training farmers in the state of Odisha through Project Atal: Recognition of Prior Learning.

The project has been implemented in a total of eighteen districts, which are distributed among four distinct zones.

Coastal (Balasore, Cuttack, Jagatsinghpur, Kendrapada, Puri, and Jaipur)

Southern (Gajapati, Ganjam, Koraput, Nabrangpur, and Rayagada)

Western (Balangir, Bargarh, Kalahandi, Kandhamal, and Nayagarh)

Northern (Angul, Dhenkanal, Mayurbhanj)

About 30,800 farmers, including Below Poverty Line (BPL), marginal, merely cultivating to consume, and several of them earning less than Rs. 10-20,000 a year from sales of their harvest were trained under this project. About two-thirds of the farmers belong largely (75%) to Scheduled Caste (SC), Scheduled Tribes (ST), and Other Backward Classes (OBCs).

Economic Impact: RPL training and Krishi Udyog Sahayaks (KUS) has helped farmers change their mindsets. As regards to the RPL training, a majority believed that the training has positively impacted their incomes and healthy living.

Impact on Primary Crop: The production in the primary crop (mostly paddy and in some cases maize, tuber and solanaceous) increased distinctively. Training during RPL regarding selection of nutrient rich crops, timing for each stage, spacing, preparation of nursery, ideal method of transplantation, use of organic and vermicompost had a multiple effect. A huge number of 64% and 23% of farmers in the 20-30,000 and >40,000 income groups respectively saw a jump in their incomes post RPL training.

On the whole, the farmers have witnessed the following transformation on implementation of the training:

- Boost in production of nutrient rich crops
- Augmented sales
- Surge in incomes
- Quantum shift in production and income categories
- Empowered women farmers
- Improved basic quality of life and healthy living
- Reduction in unplanned cultivation
- Farmer producer organizations (fpos) formed



Students engaged in training farmers during RPL project

Sustainable Aquaculture

Fish is widely recognized as an affordable and high-protein resource that can help meet the increasing dietary needs of the global population. Aquaculture, in particular, has the potential to address the protein deficiencies prevalent in undernourished societies. The academic institution specializing in fisheries has implemented various initiatives aimed at advancing sustainable pisciculture practices. Outlined below are several of the initiatives:

- Collaborating with fish farmers in the region to facilitate the effective management of a community pond for the purpose of fish cultivation.
- Providing educational resources and guidance to farmers regarding contemporary aquaculture production methods, including Biofloc, Re-circulatory Aquaculture Systems, and Aquaponics.



Kisan Mela

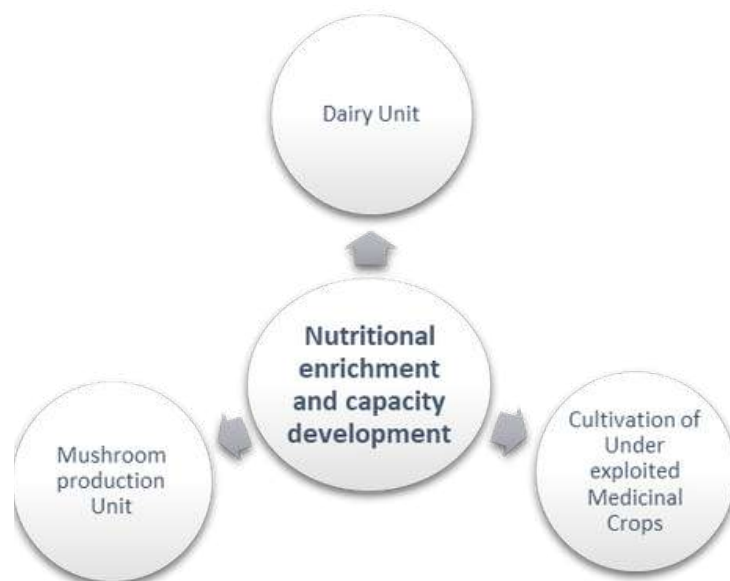
Annually, the M.S. Swaminathan School of Agriculture organizes a Kisan Mela, serving as a unifying platform for the agricultural community. This event facilitates interactions between faculty members from various departments and enables participants to remain informed about contemporary farming techniques.

During the duration of this biennial two-day event, every department within the School of Agriculture establishes a dedicated stall, offering farmers an opportunity to enhance their farming techniques and enhance the quality of their agricultural produce to benefit the overall health of the community.





Facilitating Nutritional enrichment and Capacity development



The students and faculty members of CUTM are affiliated with the Mini Dairy Unit and Mushroom Production Unit, both of which are registered with FSSAI. These units, located at the Paralakhemundi Campus, aim to enhance the nutritional intake of the local community. The Dairy Unit provides affordable milk and milk products to the local community. In addition, their efforts are directed towards imparting knowledge and skills in dairy farming to the indigenous SCST community.

The Mushroom production facility produces Paddy Straw and oyster mushrooms, available for a cheaper rate. This unit provides training to the residents of Gosani Block in the Gajapati District through various extension initiatives, in collaboration with ATMA (Agricultural Technology Management Agency). An orientation training was given to 58 people during the session.



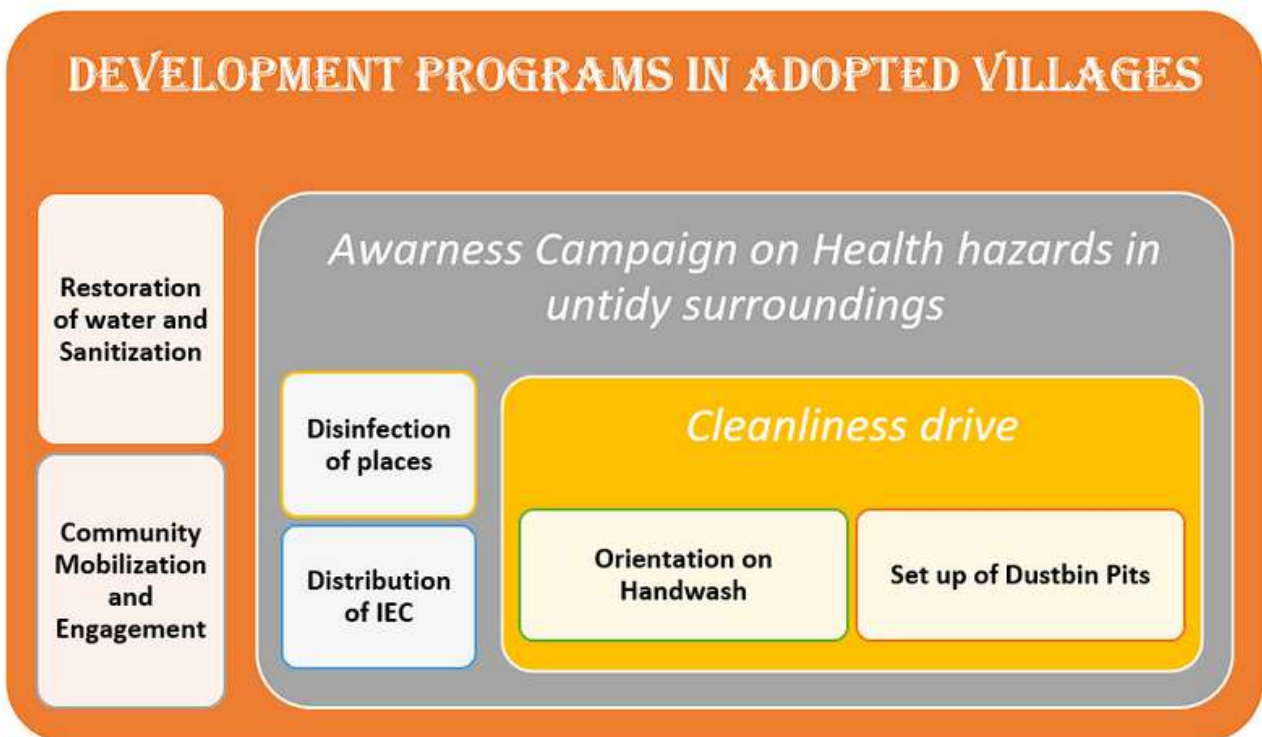
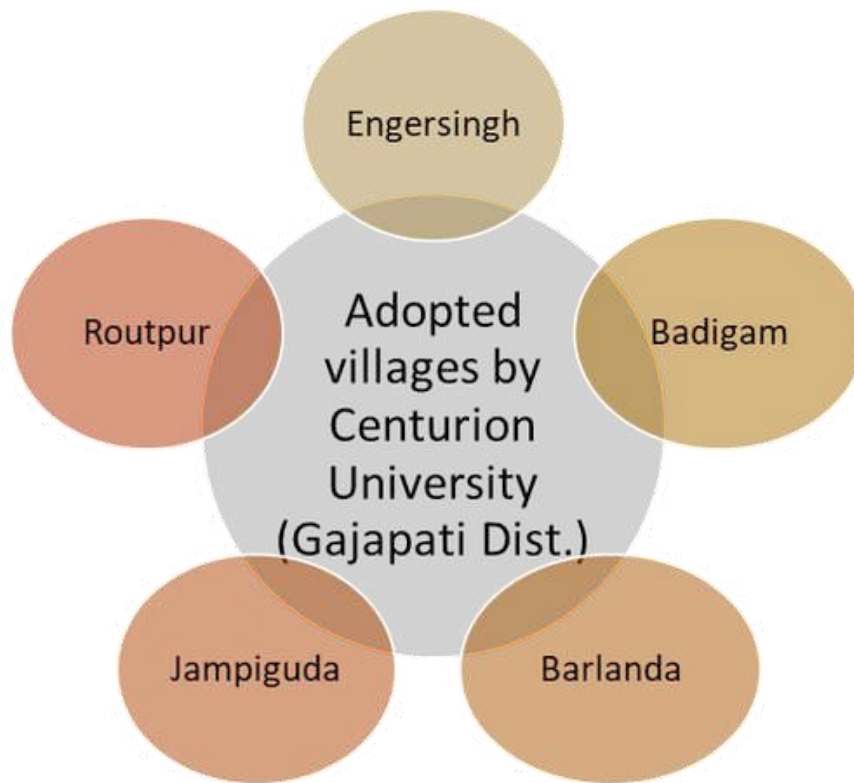
Imparting knowledge and skills in dairy farming and mushroom cultivation

Maintaining sanitation and Healthy living environment in Adopted villages

Centurion University has undertaken the responsibility of supporting the development and well-being of five villages in the Gajapati District of Odisha, namely Engersingh, Badigam, Barlanda, Jampiguda, and Routpur, since the year 2019. Continuous efforts have been made for the development in these areas since their adoption.

A group comprising of students and faculty members diligently endeavours to attain the following criteria in order to uphold the overall cleanliness and promote a healthy environment in these villages:

- Community Mobilization and Engagement;
- Awareness Campaign on harmfulness of dirty surroundings and related health hazards;
- Cleanliness drive & disinfecting few identified places;
- Orientation on hand wash and related practices;
- Setting up of Dustbin Pits;
- Distribution of IEC;
- Restoration of water and sanitation.



Sanitation of the Schools located in these villages is also a part of the initiative. Conducting quizzes, poster presentations and movie screening sessions for the school students to boost their morale towards a sustainable society and healthy living has been the key objectives of these programs.



Promoting healthy environment in adopted villages in Gajapati district

