MAJOR ACHIEVEMENTS

Technology Transfer to Industry

Viralyser: UV-C sanitization Cabinet

Team of faculty members from Department of Biotechnology at MNNIT Allahabad have developed a low cost portable device developed under Design Innovation Centre project of Ministry of Education to sanitize inanimate items such as: groceries, vegetables, fruits, currency notes, postal letters, files etc. It has been named "**VIRALYSER**".

It is equipped with two UV-C (254 nm) fluorescent lamps which is capable of killing variety of microorganisms exposed at surface including novel coronavirus.

It could be used in homes and offices at regular basis during this pandemic and beyond.

MoU for Transfer of Technology Signed with Garg Telecom Corporation Prayagraj

MAJOR ACHIEVEMENTS

Hand Gloves Removing Device

A medical and laboratory device for prevention of infection(s) and hygiene of health care professionals and research personnel. **Faculty members from Department of Biotechnology, MNNIT Allahabad** have invented this technology which has immense application in Healthcare industry as well as the current pandemic COVID-19.

It is developed under DIC project sponsored by Ministry of Education, Govt. of India.

MoU for Transfer of Technology Signed with Caremont LLP Banglore

MAJOR ACHIEVEMENTS

A portable diagnostic system for a medical condition using X-ray imaging of lungs

Xray Chest radiography is one of the most affordable, quick and commonly used diagnostic imaging techniques for detecting pulmonary disorder, Artificial Intelligence (AI) concepts of deep learning and Convolutional Neural Network (CNN) are applied lately for quick extraction of high-level image features and classification of COVID-19 cases as positive or negative.

A team of faculty members from Mechanical Engineering have applied the same concept to develop a novel COVID-19 diagnostics product.

MoU for Transfer of Technology Signed with Allengers Medical Systems Ltd (AMSL) Chandigarh

MAJOR ACHIEVEMENTS

Technology Transfer for Social Responsibilities

AMRIT APP (Assessment, Monitoring, Reporting and Intelligent Tracking)

A new mobile application which helps administration and corona control room to track suspected corona patients who are taking over the counter available medicines for suppressing symptoms like cough, cold fever and unknowingly spreading the infection to those who are coming in their contact.

Self medication for cough, cold, fever and breathing problems may be highly dangerous specially present circumstances. It is developed under DIC project sponsored by Ministry of Education, Govt. of India.

District Magistrate Shri Bhanu Chandra Goswami launched the AMRIT app in Sangam Sabhagar.

AMRIT app is proving helpful to the district administration in tracking suspected corona patients with the support of nursing homes, drug dealers and ASHA workers.

MAJOR ACHIEVEMENTS

ViroShield

A low cost face shield, named “VIRO-SHIELD”, which is made up of a transparency sheet and expanded polyethylene foam (EPF). This design protects the full face and is “one size fits all”, which can be effectively used by anyone who is in hotspot zone or by health workers in hospitals.

It is developed by faculty members from **Department of Biotechnology under DIC project** sponsored by Ministry of Education, Govt. of India and have been distributed to District Administration, Local Hospitals, High Court Allahabad, CMO Office, Nagar Nigam, Security Personnel, Superintendent of Police (Vigilance) **as part of Social Responsibility**

Distribution of Viroshield to Security Personnel
(MNNIT Allahabad)

Distribution of Viroshield to Medical Staff
(MNNIT Allahabad)

Distribution of Viroshield to CMO Allahabad

Distribution of Viroshield to
District Administration Kaushambi

MAJOR ACHIEVEMENTS

"An Antimicrobial Herbal Formulation and a Process of Preparing the same" and "An Anti- Biofilm and Anti- Quorum Sensing Formulation and a Process Thereof"

"An Antimicrobial Herbal Formulation and a Process of Preparing the same" formulation can be used in the form of a capsule, tablet, etc., and "An Anti-Biofilm and Anti- Quorum Sensing Formulation and a Process Thereof" formulation is also used in form of cocktail. The cocktail can be easily added in toothpaste and in other products easily and can effectively reduce the biofilm.

These formulation are invented by team of faculty member & Research Scholar from Biotechnology Department

MoU for Transfer of Technology Signed with Wyton Pharmaceuticals & Agrotech Pvt. Ltd. Lucknow

MAJOR ACHIEVEMENTS

"Question Paper Generator, OMR Design and OMR Evaluator for National Cadet Corps A Certificate Examination"

"The framework to design and evaluate OMR Sheets has been developed to enable software –based evaluation of OMR Response Sheets making the entire process independent of dedicated hardware. Using this flexible technique, any organization can design it's own OMR Sheet, based on their requirement, and create their own software to evaluate the response sheets..

These Software are invented by team of faculty member & Research Scholar from Department of Computer Science and Engineering.

MoU for Transfer of Technology Signed with NCC Group Headquaters, Prayagraj