

## PATENT (FILED - 07 )

### Computer Science & Engineering

#### Patent Filed:

1. Title: **Detecting Botnet Cyber Attacks in IoT scenarios using Dynamic Residual Projection of Concept Drift**  
Application Number: 202241037111A  
Publication Date: 22/07/2022  
Name of Applicants: **Patrali Pradhan**, Dr. Biswarup Neogi
2. Title: **Smart Energy Management System Using Machine Learning And Iot**  
Application Number: 202241027519 A  
Publication Date: 27/05/2022  
Name of Applicants: **Patrali Pradhan**, Dr. Biswarup Neogi
3. Title of the invention: **“Detecting Botnet Cyber-Attacks in IoT Scenarios using Dynamic Residual Projection of Concept Drift “**  
Application No.202241037111A, INDIA  
Patent Application Date: 28/06/2022  
Name of Applicant: **Patrali Pradhan**, Assistant Professor (CSE)

### Computer Science & Engineering (Cyber Security)

#### Patent Obtained :

4. Title: **Small and low cost portable temperature control iotdevice for baby incubator with automatic security management**  
Name of Patent Applicants & Inventors: Dr.AbulKalam, Dr. Syed Rehan Ahmad, Mr.AsikRahamanJamader, Mr. Sohail Saif, Ms. Priya Das, Mr. Abhijit Sarkar, Dr.MurugesanSelvam  
Date of File:8th Day of October, 2022  
Filing Country:Germany  
Application No:20 2022 105 680.3

### Electronics & Communication Engineering

5. **Patent Filed to Government of India**  
Applicant Name: Dr.Suman Paul and Dr.Avishek Das  
Title - **“The sentimental analysis based disease estimation and health risk prediction system”**  
Application no. - 202241037150,  
Date of filing - 28/06/2022
6. **Patent Filed to Government of India.**  
Applicant Name : **Pinaki Satpathy, Santanu Maity, Razia Sultana, Amit Bhattacharyya, Suman Paul, Avishek Das, Rajrupa Metia.**  
Title :**The sentimental analysis based disease estimation and health risk prediction system**  
Application No.202241037150  
Date of Filing : 28.06.2022

### Chemical Engineering

#### Patent Applied:

7. Title of the invention: **“A New Polymeric Ipn Membrane For Regenerative Fuel Cell, And Pervaporative Separation”**  
Application No. 202231025760, INDIA  
Patent Publication Date: 03/05/ 2022  
Name of Applicant: **Dr. Sunil Baran Kuila and Dr. Biswajit Mandal**