



3.4.3. Number of Patents published/awarded during the last five years

Name of the Teacher	Patent Number	Title of the patent	Year of Award/Publish of patent
Robin K. Dutta	280737	Arsenic removal from groundwater by oxidation – coagulation at controlled pH for domestic and community applications.	2016-17
Robin K. Dutta	289204	A highly efficient defluoridation method by in-situ generation of an efficient precipitant and strong adsorbents of fluoride in crushed limestone fixed –bed column and plug flow reactors.	2017-18
Ashok Kumar	297449	Single step process for the synthesis of polyaniline nanofiber reinforced polymer nano composites	2017-18
Raj Kumar Duary	201631005351	Casein Nanoparticles for Colon Targeted Controlled Delivery of Biologically Active Agents in Foods	2017-18
Arup Jyoti Chutia	201631016888	A Two Way Ratchet	2017-18
Ashish Kumar Mukherjee	1313/KOL/2015	Anticoagulant actives and synergistic anticoagulant composition and method of producing the same	2017-18
Niranjan Karak	312661	A tough synthetic low dielectric hyperbranched epoxy thermoset and a process of preparation thereof.	2018-19
Kamal Uddin Ahamad, Pabitra Nath	201631022922	Smartphone based system for detection and measurement of chemical and biological species in liquids	2018-19
Debendra Chandra Baruah	201831009091	Multifunctional Multiple Pot Solid Fuelled Stove with Combustion Air Preheating and Flue Gas Heat Extraction (Published)	2018-19
Pradyumna Kr. Choudhury	325837	Digital Occupany Meter for Commercial Passenger Vehicles	2019-20
Partha Pratim Sahu	201831009528	A portable optical fiber instrument for instant petrol purity detection	2019-20
Pritam Deb	201831009592	Designed 2d graphitic sheet for viscous oil removal using magnet	2019-20
Polas Pratim Dutta	201831009678	Integrated and automated set up for preparation and vending of panipuri	2019-20
Ashish Kumar Mukherjee	201831010001	Synthetic anticoagulant peptides derived from Najanaja snake venom	2019-20
Ashish Kumar Mukherjee	201831010002	Toxin-epitope based detection of species- specific snake envenomation	2019-20
Ashis Kumar Mukherjee	201831038837	Toxins-Targeted Specific Novel Anti Snake Venom	2019-20
Satya Sundar Bhattacharya	343590	Novel Soil Conditioners	2020-21
Niranjan Karak	345356	A synthetic hyperbranched epoxy surgical sealant and a process for preparation thereof	2020-21
Pritam Deb	351940	Multifunctional nanoparticles and methods for synthesis thereof	2020-21
Santanu Sarma, Riku Chutia, Partha Pratim Dutta	357468	System for measuring and correction of alignment parameters camber and toe of wheel of a vehicle	2020-21
Ratul Kumar Baruah	362974	Intelligent Helmet System	2020-21
Pritam Deb	365565	Nanocatalyst for bio oil production	2020-21


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Brijesh Srivastava	366731	A process for manufacture of turmeric powder from raw turmeric rhizomes	2020-21
Pritam Deb	370787	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	2020-21
Niranjan Karak	201731000104	Selective para-hydroxylation of substituted aromatic hydrocarbons using H ₂ O ₂ catalyzed by waterborne hyperbranched polyurethane/ carbon quantum dot nanocomposites	2020-21
Pritam Deb	201731009379	Magnetic secondary nanostructure as contrast agent for magnetic resonance imaging	2020-21
Dilip Dutta, Zahnpriya Kalita	201831045154	A saddle system for female bicycles adapted to counter forward slip of rider on saddle surface during sudden braking	2020-21
Dilip Dutta, Zahnpriya Kalita	201831045155	System for enhancing stability of bicycle by steering-back handlebar automatically	2020-21
Robin Doley	201911027455	Aptamers Against Phospholipase A2 In Snake Venom And Uses Thereof	2020-21
Amit Baran Das	201931012050	A continuous jaggerymaking machine	2020-21
Pritam Deb	201931014698	A Two Dimensional Heterostructure Based Nano-Composite Film For Packaging	2020-21
Gazi Ameen Ahmed	201931020788	Polymer/Antibiotic Coated Muga (Antheraea Assamensis) Silk Suture	2020-21
Nayan Moni Kakoty	201931049269	An EMG based Prosthetic Hand Controller for Real Time Grasping realizing Neuromuscular Constraint	2020-21
Poonam Mishra	202031000071	An Improved Iron Fortification Technique For Fortification Of Rice Using Cold Plasma	2020-21
Robin Kumar Dutta	202031002271	Removal Of Arsenic From Ground Water By Capsule Technique	2020-21


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