

List of Patent Applications from Tezpur University			
Sl. No	Application No	Title of Invention	Inventor (s)
1	202231043102	Process for immobilization of pectinase on chitin support using ultrasound	Nandan sit, Nipona Shill, Nurin Afzia, Bhaskar Jyoti Kalita
2	202231042538	Biodegradable heat shrinking film for cylinder gas cap and bottle lid sealing	Pritam Deb, Meenakshi Talukdar and Sudhansu Shekhar Sahoo
3	202231042165	Value-added cattle urine as liquid fertilizer	Robin Kumar Dutta and Rituparna Saikia
4	202231009453	Paper capacitive sensor based novel corona virus detection kit	Partha Pratim Sahu, Geetartha Sarma and Biswajit Kakoty
5	202031002271	Removal of arsenic from ground water by capsule technique.	Chiranjeev Bezbaruah, Parag Nath and Robin Kumar Dutta
6	202131060631	Design of a universal holder for sensing and imaging studies in all variant smartphones	Pabitra Nath, Diganta Rabha and Diganta Hatiboruah
7	202131055185	Smart Phone based remote controlled device for collection of oil from the oil spill on land	Pritam Deb, Monika Sharma and Nitumoni Konwar
8	202131054965	Device for sensing and collection of Oil spill on water bodies	Pritam Deb, Monika Sharma and Manas Pratim Chetry
9	202131045925	IoT Based Portable Ventilator	Ankita Das, Bihung Muchahary, Aniket Raj, Manish Kumar, Firdaus Ahmed, Chiranjit Adhikary and Soumik Roy
10	202131044011	An Oxygen generation equipment based on water splitting for chronic/acute respiratory syndrome patients	Partha Pratim Sahu and Jagat Das
11	202131041315	Development of multimodal optofluidic system for sensing heavy metal ions	Rajib Biswas, Pritam Deb, Nirmal Mazumder and Soumyabrata Banik
12	202131022730	An Emg Based Multi Grasp Prosthetic Hand with an Android Interface	Nayan M. Kakoti and Lakhyajit Gohain
13	202131020238	A Prototype optical fiber device for onsite rapid testing of aircraft Jet fuel	Partha Pratim Sahu
14	202231030989	Methods and apparatus of multi-modal microscopic imaging on a smartphone and OLED display illumination	Pabitra Nath and Diganta Rabha
15	202031039202	Development of low fat baked snacks using de-oiled soya flour	Ayan Bhattacharjee, Devesh Kumar and Laxmikant S. Badwaik

16	202031016837	Protective face shield system with adaptability for bespectacled wearer for health care/medical purposes	Kishor Kumar Baruah
17	202031000071	An improved iron fortification technique for fortification of rice using cold plasma	Poonam Mishra and Kumudhini Akasapu
18	201931012050	A continuous jaggerymaking machine	Mr. Amit Baran and Das Himakshi Baishya
19	201931052903	Custom synthesized Neuritogenic Peptides and its uses thereof	Ashis Kumar Mukharjee, Taufikul Islam, Rupak Mukhopadhyay, Munmi Majumder
20	201931014698	Two dimensional heterostructure based composite films for food packaging	Pritam Deb and Meenakshi Talukdar
21	201931049269	An EMG based Prosthetic Hand Controller for Real Time Grasping realizing Neuromuscular Constraint	Nayan M. Kakoty, Lakhyajit Gohain
22	201911027455	Aptamers against phospholipase A2 in snake Venom and uses thereof	Tarun Kumar Sharma, Anjali Anand, Robin Doley
23	201931020788	Polymer/antibiotic coated Muga (antheraea assamensis) silk suture	Arup Jyoti Choudhury, Gazi Ameen Ahmed, Namita Ojah
24	201931020800	An optical fiber prototype instrument for online monitoring of transformer oil insulation	P.P. Sahu
25	201831045155	System for enhancing stability of bicycle by steering-back handle bar automatically	Dilip Dutta, Sudipta Saikia, Zahnupriya Kalita and Arpeeta Saikia
26	201831045154	A saddle system for female bicycles adapted to counter forward slip of rider on saddle surface during sudden braking	Dilip Dutta, Arpeeta Saikia, Zahnupriya Kalita and Sudipta Saikia
27	201831009592	Designed 2d graphitic sheet for viscous oil removal using magnet	Pritam Deb and Meenakshi Talukdar
28	201831010002	Toxin-epitope based detection of species-specific snake envenomation	Asish Kumar Mukherjee and Sumita Dutta
29	201831009528	A portable optical fiber instrument for instant petrol purity detection	Partha Pratim Sahu
30	201831009678	Integrated and automated setup for preparation and vending of panipuri	Saurav Jyoti Sarma, Abhijit Nath, Polas Pratim Dutta and Chandeeep Suman Gogoi
31	201831038837	Toxins-targeted specific novel anti snake venom	Ashis Kumar Mukherjee, Aparup Patra, Sumita Dutta, Bhargab Kalita, Abhishek Chanda
32	201831010001	Synthetic anticoagulant peptides derived from <i>Naja naja</i> snake venom	Asish Kumar Mukherjee and Sumita Dutta

33	201831009091	A smokeless multifunctional and multipot solid fuel stove	Biswajit Gogoi and Debendra Chandra Baruah
34	201731009379	Magnetic secondary nanostructure as contrast agent for magnetic resonance imaging	Pritam Deb and Koushik Saikia
35	201731000104	Selective para-hydroxylation of substituted aromatic hydrocarbons using H ₂ O ₂ catalyzed by waterborne hyperbranched polyurethane/ carbon quantum dot nanocomposites	Niranjana Karak, Vijay Kumar Das and Satyabrata Gogoi
36	201631022922	Smartphone based system for detection and measurement of chemical and biological species in liquids	Iftak Hussain, Syed Ibtisam Tauhidi, Kamal Uddin Ahamad Pabitra Nath
37	201631016888	A Two Way Ratchet	Arup Jyoti Chutia
38	201631005351	Casein Nanoparticles for Colon Targeted Controlled Delivery of Biologically Active Agents in Foods	Pallab Kumar Borah and Raj Kumar Duari
39	1313/KOL/2015	Anticoagulant actives and synergistic anticoagulant composition and method of producing the same	Ashish Kumar Mukherjee and Debananda Gogoi
40	1295/KOL/2014	Mesoporous secondary nanostructures as multifunctional heavy metal scavenger	Pritam Deb, Kakoli Bhattacharya and Devabornini Parasara
41	522/KOL/2008	A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler	Partha Pratim Sahu