

List of Published Patent Applications from Tezpur University

| Sl. No. | Name of Patent | Applicant | Reference Number/Application Number | Date of publishing | Year of Publication | Name of the Inventor |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------|---------------------------|----------------------------|--------------------------------------------------------------------------------|
| 1 | System for enhancing stability of bicycle by steering-back handlebar automatically | Tezpur University | 201831045155 | 12-02-2021 | 2021 | Dilip Dutta, Sudipta Saikia, Zahnupriya Kalita and Arpeeta Saikia |
| 2 | A saddle system for female bicycles adapted to counter forward slip of rider on saddle surface during sudden braking | Tezpur University | 201831045154 | 12-02-2021 | 2021 | Dilip Dutta, Arpeeta Saikia, Zahnupriya Kalita and Sudipta Saikia |
| 3 | Magnetic secondary nanostructure as contrast agent for magnetic resonance imaging | Tezpur University | 201731009379 | 12-02-2021 | 2021 | Pritam Deb and Koushik Saikia |
| 4 | Selective para-hydroxylation of substituted aromatic hydrocarbons using H ₂ O ₂ catalyzed by waterborne hyperbranched polyurethane/ carbon quantum dot nanocomposites | Tezpur University | 201731000104 | 12-02-2021 | 2021 | Niranjan Karak, Vijay Kumar Das and Satyabrata Gogoi |
| 5 | Designed 2d graphitic sheet for viscous oil removal using magnet | Tezpur University | 201831009592 | 16-10-2020 | 2020 | Pritam Deb and Meenakshi Talukdar |
| 6 | A continuous jaggerymaking machine | Tezpur University | 201931012050 | 02-10-2020 | 2020 | Mr. Amit Baran and Das Himakshi Baishya |
| 7 | Toxin-epitope based detection of species- specific snake envenomation | Tezpur University | 201831010002 | 20-03-2020 | 2020 | Asish Kumar Mukherjee and Sumita Dutta |
| 8 | A portable optical fiber instrument for instant petrol purity detection | Tezpur University | 201831009528 | 20-09-2019 | 2019 | Partha Pratim Sahu |
| 9 | Integrated and automated set up for preparation and vending of panipuri | Tezpur University | 201831009678 | 20-09-2019 | 2019 | Saurav Jyoti Sarma, Abhijit Nath, Polas Pratim Dutta and Chanddeep Suman Gogoi |
| 10 | Synthetic anticoagulant peptides derived from <i>Naja naja</i> snake venom | Tezpur University | 201831010001 | 20/09/2019 | 2019 | Asish Kumar Mukherjee and Sumita Dutta |
| 11 | A smokeless multifunctional and multipot solid fuel stove | Tezpur University | 201831009091 | 22/02/2019 | 2019 | Biswajit Gogoi and Debendra Chandra Baruah |

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|----|-----------------------------------------------------------------------------------------------------|-------------------|---------------|------------|------|----------------------------------------------------------------------|
| 12 | Smartphone based system for detection and measurement of chemical and biological species in liquids | Tezpur University | 201631022922 | 31/08/2018 | 2018 | Iftak Hussain, Syed Ibtisam Tauhidi, Kamal Uddin Ahamad Pabitra Nath |
| 13 | Anticoagulant actives and synergistic anticoagulant composition and method of producing the same | Tezpur University | 1313/KOL/2015 | 01-12-2017 | 2017 | Ashish Kumar Mukherjee and Debananda Gogoi |
| 14 | A Two Way Ratchet | Tezpur University | 201631016888 | 17-11-2017 | 2017 | Arup Jyoti Chutia |
| 15 | Casein Nanoparticles for Colon Targeted Controlled Delivery of Biologically Active Agents in Foods | Tezpur University | 201631005351 | 18-08-2017 | 2017 | Pallab Kumar Borah and Raj Kumar Duary |
| 16 | Mesoporous secondary nanostructures as multifunctional heavy metal scavenger | Tezpur University | 1295/KOL/2014 | 17-06-2016 | 2016 | Pritam Deb, Kakoli Bhattacharya and Devaborniny Parasar |
| 17 | A Reduced Size Linearly Tapered 3dB (Half Power Splitter) Multimode Interference (MMI) Coupler | Tezpur University | 522/KOL/2008 | 18-09-2009 | 2009 | Partha Pratim Sahu |

