

DMIEC- Research & Development- 2023

S.NO	PROJECTS APPLIED & FACULTY	NAME OF AGENCY
1	AI driven Flower Plugging Machine- Dr.Pradeebha & Dr,Abisha	DST
2	Sustainable path to progress Empowering SC/ST through Acacia wood pulp- Dr.Mahil Loo Christopher & Dr.Hariram	DST
3	Soil testing and Fertilizer based Instrument - Binu Packia Anand	TANSCST

DMIEC- Consultancy- 2023

S.NO	NAME OF THE PROJECT & CONSULTANT	AMOUNT SANCTIONED
1	VHDL Implementation of Polar code design- Dr.A.Albert Raj	Rs.30000/-
2	Matlab Implementation of Bit Flipping in Polar code- Dr.A.Albert Raj	Rs.30000/-

DMIEC- Patent- 2023

S.NO	NAME OF THE PROJECT & PATENT NO	INVENTORS
1	Medicine Dispenser- 402321-001	Dr.A.Albert Raj RDS.Sheeba Therese, Binu Packia Anand.A., Dr.M.Antony freedda Rani, Dr.C.Pradeeba, Dr.Abisha mano, Benila, J.Merin Joshibha, T.Tanga geetha, Bright Fidalis, Meenambikai.P.S Aro Selva Stino, Anni Steffi Mercy., A.Abira, Santhia.K.C., Vignesh T.S

DMIEC- Publication- 2023 (Scopus Indexed)

S.NO	PUBLICATION	JOURNAL & AUTHOR
1	A Novel Quantum States Based AI Learning on MRI Brain Slices for the Intracranial Tumor Detection	IEEE Conference Dr.A.Albert Raj
2	Mechanical Characterization of Curaua Fiber/Babool Wood Particle Reinforced Polyester Hybrid Composite	Current Materials Science Babu Arthorson
3	Biofuel production from novel Prunus domestica kernel oil: process optimization technique	Biomass Conversion and Biorefinery Babu Arthorson
4	Production Process Optimization study on the synthesis of Manilkara zapota seed bio-oil and its characterization	Biomass Conversion and Biorefinery Babu Arthorson
5	Tribological Behavior of Ni-P Electroless Coating of Inconel 625 with Multiwall Nano Carbon Tubes	Advances in Materials Science Babu Arthorson
6	U-Net-Based Denoising Autoencoder Network for De-Speckling in Fetal Ultrasound Images	Lecture Notes in Networks and Systems. Antony Freeda Rani
7	A Comprehensive Review on NOMA Assisted Emerging Techniques in 5G and Beyond 5G Wireless Systems	Wireless Communication. Merin Joshiba
8	An eye bolt shape slotted microstrip patch antenna design utilizing a substrate-integrated waveguide for 5G systems	Automatika Merin Joshiba
9	Local Average Based Kinetic Gas Molecular (LA KGMO) Optimized MR Brain Image Segmentation Using Modified Self Organizing Map (MSOM)	Wireless Communication. Dr.Abisha Mano

DMIEC- Publication- 2023 (WoS Indexed)

1	Analytical Investigation of Blast Loading Impact on High Rise Structures	Indian Journal of Science and Technology, Dr.HariRam, Dr.Mahil Loo Christopher, Jesumenon, Sanu Kailodson
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