



NOORUL ISLAM CENTRE FOR HIGHER EDUCATION

(Deemed to be University under Section 3 of the U.G.C. Act 1956)

Accredited by NAAC with "A" Grade

Kumaracoil - 629 180, Thuckalay, Kanyakumari District, Tamil Nadu, India

BOARD OF RESEARCH, DEVELOPMENT & CONSULTANCY (BRDC)

Phone: + (91) 4651-250462, Website: www.niuniv.com, E-mail: dir-research@niuniv.com

NICHE PATENTS Status on 30.06.2019

Sl. No.	Name & Designation of the Applicant	Title	Reference Number	Remarks
1.	Dr. V. P. Kulkarni, Former Director of Research, NICHE	Artificial Vision Implant Device AVID	201348	Granted
2.	Dr. N. Chandrasekhar, Pro Vice Chancellor, Professor, Department of Mechanical Engineering, NICHE	Sun Tracker Device (STD)	251549	Granted
3.	Dr. A. E. Muthunayagam, Advisor, NICHE	A Process, System and Configuration for Desalinization of Sea Water	196396, (141/MAS/2003)	Granted
4.	Dr. M. Murugan, Associate Professor, BME, NICHE	Smart Food Feeder for Stroke/Coma/Elderly Bedridden Patients	5786/CHE/2015	Granted
5.	Dr. M. Murugan, Associate Professor, BME, NICHE	Hand Finger Operated System for Sound Production of Characters in Languages Useful for Speed	5787/CHE/2015	Granted
6.	Dr. N. Chandrasekhar, Pro Vice Chancellor, Professor, Department of Mechanical Engineering, NICHE	Hydraulic Sun Tracker (HST)	1153/CHE/2005	Granted
7.	Dr. A. E. Muthunayagam, Advisor, NICHE	Integrated Ocean Energy cum Desalination System for Ocean Waters	CHE/3547/2010	Granted
8.	M. S. Faizal Khan, Pro Chancellor, NICHE	NIUSAT; A Nano Satellite	E-2/3329/2017- CHE	Examination
9.	Dr. R. C. Mehta, Department of Aeronautical Engineering, NICHE	Image Processing Algorithm for Fringe Analysis in Photo- elasticity	E-2/3332/2017- CHE	Examination
10.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Drill Jig for Spherical Objects	E-2/3327/2017- CHE	Examination
11.	Dr. M. Dev Anand, Professor,	Application of an Integrated RE/RP/CAD/CAM/ System for	E-2/3328/2017- CHE	Examination



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Sl. No.	Name & Designation of the Applicant	Title	Reference Number	Remarks
	Department of Mechanical Engineering, NICHE	3D Printing Process Materials for Robot ARM		
12.	Mr. Rohith I. J., Assistant Professor, Department of Aeronautical Engineering, NICHE	Aircraft Winglet Modification to Reduce Vertical Stabilizer Length	E-2/3330/2017-CHE	Examination
13.	Mr. Rohith I. J., Assistant Professor, Department of Aeronautical Engineering, NICHE	Drag Reduction in Aircraft Wing by Inducing Surface Roughness	E-2/3331/2017-CHE	Examination
14.	Dr. A. Shajin Nargunam, Professor, CSE, NICHE	Satellite Based Wireless Sensor Networks for Environmental Monitoring Applications	5612/CHE/2015	Examination
15.	Dr. A. Shajin Nargunam, Professor, CSE, NICHE	Cloud Based Hybrid Processor Pool Architecture for Sustaining Green Computing	5613/CHE/2015	Examination
16.	Dr. A. Shajin Nargunam, Professor, CSE, NICHE	Mobile Assisted Automated Disaster Support System	5780/CHE/2015	Examination
17.	Dr. Shajin Nargunam, Professor, Department of CSE, NICHE	Trusted Computing Based Security Architecture for Mobile Cloud Computing	5779/CHE/2015	Examination
18.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Abrasive, Magnetic Field and Ultrasonic Vibration Assisted Micro - AMP for Electro Chemical Machining	5610/CHE/2015	Examination
19.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget – Beam Direction	5608/CHE/2015	Examination
20.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Innovative Gasifier Design	5606/CHE/2015	Examination
21.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering,	Modular Reconfiguration Safety Robot	5599/CHE/2015	Examination



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	NICHE			
22.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget – Contour Plotter	5591/CHE/2015	Examination
23.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Hybrid Wind Solar Domestic Power Supply System	5593/CHE/2015	Examination
24.	Dr. M. Dev Anand, Professor, Department of Mechanical Engineering, NICHE	Development Radiotherapy Gadget- Styrofoam Cutter	5607/CHE/2015	Examination
25.	Mr. Dharan, Final Year B.E Mechanical Engineering, NICHE	Next Generation Power Plant	4292/CHE/2014	Examination
26.	Dr. K.A. Janardhanan, Professor, Department of Management Studies, NICHE	Innovative SCM Model for Agro Products	5595/CHE/2015	Filing
27.	Dr. L. Padma Suresh, Professor, EEE, NICHE	Bacterial Foraging Based Tuned PI Controller for Buck - Boost Converter	5594/CHE/2015	Filing
28.	Dr. I. Jacob Raglend, Professor, EEE, NICHE	Design of an X-Band Antenna Model for Radar Applications	5592/CHE/2015	Filing
29.	Dr. L. Padma Suresh, Professor, EEE, NICHE	Linear Quadratic Regulator and Sliding Mode Control to Control Pitch, Roll and Yaw of Air	5604/CHE/2015	Filing
30.	Dr. S. Gopalakrishnan, Assistant Professor, Department of Nano Technology & Dr. R. Ganapathi Raman, Assistant Professor of Physics, NICHE	Enhancement of Graphene Oxide Photoluminescence BY Novel Bi-Layered Structure	5508/CHE/2015	Filing
31.	Mrs. Mohamed Sirajul Muneera, Assistant Professor Department of Chemistry, NICHE	Electro Fluorescent Properties of Copper Complex of Pyrazoline Derivatives	5783/CHE/2015	Filing



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32.	Dr. R. S. Shaji, Professor, Department of IT, NICHE	Robust Defense Mechanism for Securing Cyber Physical System Components in Cyber Warfare	5781/CHE/2015	Filing
33.	Mrs. T. M. Sharmila, Assistant Professor Department of Chemistry, NICHE	Elective Fluorescent Property of Indole Substituted Pyrazoline Derivative	5804/CHE/2015	Filing
34.	Dr. R. S. Shaji, Professor, Department of IT, NICHE	An Optimized Image Forgery Detection Technique for Cyber Forensic Application	5782/CHE/2015	Filing
35.	Dr. M. Sivapragash, Professor, Department of Mechanical Engineering, NICHE	Development Characterization of AZ31B/5SIC Magnesium Composite	5616/CHE/2015	Filing
36.	Dr. J. Dheebea, Associate Professor, Department of CSE, NICHE	Intelligent Expert System for Breast Cancer Diagnosis Based on Wavelet Neural Network	5611/CHE/2015	Filing
37.	Dr. L. Padma Suresh, Professor, EEE, NICHE	Novel Random Frequency Inverted Sine Carrier PWM for Three Phase Voltage Source Inverter	5598/CHE/2015	Filing
38.	Dr. I. Jacob Raglend, Professor, EEE, NICHE	Conical Rotor Induction Generator for Enhanced Wind Power Performance	5597/CHE/2015	Filing
39.	Dr. M. Sivapragash, Professor, Department of Mechanical Engineering, NICHE	Development and Characterization of Micro and Nano Powder Bamboo Fiber Reinforced Polymer Composites	5596/CHE/2015	Filing
40.	Dr. K. A. Janardhanan, Professor, Department of Management Studies, NICHE	A Model of Dual Investors Decision Making and Its Impact on Stock Indices Movement.	E-2/3325/2017-CHE	Filing
41.	Dr. K. A. Janardhanan, Professor, Department of Management Studies, NICHE	Investors Behaviour and Perceptions Towards Stock Market: Structural Equation Modeling Approach	E-2/3326/2017-CHE	Filing
42.	Dr. G. Ramadas, Deputy Librarian, NICHE	Manless Smart Library Management System Using AGVS and Robot	E-2/2943/2018 - CHE	Examination
43.	Prof. J. P. Jayan,	Vehicle Information Sharing	E-2/2445/2018 -	Filing



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Sl. No.	Name & Designation of the Applicant	Title	Reference Number	Remarks
	Assistant Professor and HOD, Department of Software Engineering, NICHE	System Using Artificial Intelligence	CHE	
44.	Dr. P. K. Praseetha, Professor and Head. Department of Nanotechnology, NICHE	Carbon Quantum Dots can ACT as the Powerful Wound Healant	E-3/18311/2019-CHE	Filing
45.	Dr. P. K. Praseetha. Professor and Head. Department of Nanotechnology, NICHE	Ficus Bengalensis Derived Eisosane Loaded Iron Oxide Nanoparticles to Combat Melanoma	E-2/18315/2019-CHE	Filing
46.	Dr. R. Mathusoothana S. Kumar, Prpfessor & Head, Department of IT, NICHE	Internal Intrusion Detection and Prevention System by Using Data Mining and Cryptographic Technoques	E-3/18309/2019-CHE	Filing
47.	Dr. B. Bindhu, Professor and Head, Department of Physics, NICHE	Sol Gel Synthesis of PB0.98B10.02ZRO.52T10.48O3 Nanoceramics	E-3/18301/2019-CHE	Filing
48.	Dr. G. Arockia Selva Saroja, Associate Professor, Department of EIE, NICHE	Automatic Speed Control System in Automobiles using RF Signal	E-3/18308/2019-CHE	Filing
49.	Dr. S. Maria Celestin Vigila, Associate Professor, Department IT, NICHE	Fusion of DNA Sequence and Hyper Chaotic Technique for Securing Medical Image Applications	E-3/18303/2019-CHE	Filing
50.	Dr. J. Edwin Raja Dhas, Professor and Head, Department of Automobile Engineering, NICHE	Design and Development of Inbuilt Hydraulic Jack for Automobiles	E-3/18318/2019-CHE	Filing
51.	Shanila N. Ph.D. Research Scholar, Department of Electronics and Communication Engineering, NICHE	Artificial Intelligence Based Liver Cancer Detection System(Livernet)	E-3/18313/2019-CHE	Filing
52.	Sujeesh S.U.,	Maximum Energy Conservation	E-3/18321/2019-	Filing



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	EEE Student, NICHE	Using 3 Port Converter in Hybrid Energy System	CHE	
53.	Dr. S. Palanikumar Associate Professor, Department of IT, NICHE	Fack Image Detection using Color Model	E-3/18300/2019-CHE	Filing
54.	Mr. I. Shunmugam M.E (C&I) Student, Department of Electronics & Instrumentation Engineering NICHE	An Algorithmic Approach Based FO-PID Tuning of a Real Time Conical Tank Process Used in Waste Water	E-3/18305/2019-CHE	Filing
55.	Dr. Brindha T., Assistant Professor, Department of IT NICHE	A Secured Access Control Technique Based on RFID Using 8051 Microcontroller	E-3/18313/2019-CHE	Filing
56.	Dr. Bindhu B., Professor, Department of Physics, NICHE	Low Temperature Synthesis of Calcium and Hafnium Co-Doped Barium Titanate Nano Ceramics	E-3/18312/2019-CHE	Filing
57.	Sumi M. S., Research Scholar, NICHE	An Energy Efficient Cluster Based Cooperative Spectrum Sensing with Minimum Distance Criteria	E-3/18303/2019-CHE	Filing
58.	J. Nancy Mary P.G. Scholar Department of Software Engineering NICHE	Treatment Advisor Machine Enhanced with AI	E-2/3211/2019-CHE	Filing

Director Research