

Nizwa College of Technology
Engineering Department Conference Publications

S.No	Name of the Faculty	Name of the Event	Year	As participant, chair, reviewers etc.,	Remarks (prizes won)
1	Pandimadevi Ganesan	8th National Symposium on Engineering Final Year Projects organized by University of Nizwa	2018	Participant-Paper Presentation	1st Prize
2	Pandimadevi Ganesan	SETS 2018 organized by Ibri College of Technology	2018	Participant-Paper Presentation	Published in Journal
3	Md Ismail Iqbal	SETS 2018 organized by Ibri College of Technology	2018	Participant-Poster Presentation	Published in Journal
4	Md Ismail Iqbal	SETS 2018 organized by Ibri College of Technology	2018	Participant-Poster Presentation	Published in Journal
5	Dr Ravichandran M	8th National Symposium on Engineering Final Year Projects organized by University of Nizwa	2018	Participant-Paper Presentation	Published in the Proceedings of the Symposium
6	Dr Ravichandran M	Oman Industrial Revolution 4.0 Conference	8-Jul-18	Participant	Participant
7	Muhammad Khurram	8th National Symposium on Engineering Final Year Projects organized by University of Nizwa	2018	Participant-Paper Presentation	Published in the Proceedings of the Symposium
8	Dr Subhra debdas	8th National Symposium on Engineering Final Year Projects organized by University of Nizwa	2018	Participant-Paper Presentation	Published in the Proceedings of the Symposium
9	Dr Subhra debdas	2nd International conference on circuits, devices and systems ICCDS-2018	Aug-18	Technical committee member and paper reviewer	Technical committee member

10	Dr Senthil Kumar	SETS 2018 organized by Ibri College of Technology	2018	Paticipant-Paper Presentation	Published in the Proceedings of the Symposium
11	Dr.Bensujin	3rd Embedded Systems Innovation Competition, German Univwersit (Smart Trolley)	2018	Project Presentation	1st Prize
12	Dr.Bensujin	3rd IEEE Robotics challenge Competition, Military Technological College	2018	Robotics Competition	4th Place
13	Dr.Bensujin	3rd Embedded Systems Innovation Competition, German Univwersity (Smart Robot for PV panel cleaning)	2018	Project Presentation	Paricipant
14	Harisha Karagappa	,electronics and Communication Engineering(ICEECE-2018)St Peters Engineering college Hyderabad Telangana	2018	Paper Presentation	Published in Journal
15	Harisha Karagappa	International Conference on Electrical,electronics and Communication Engineering(ICEECE-2018)St Peters Engineering college Hyderabad Telangana India	2018	Paper Presentation	Published in Journal
16	Harisha Karagappa	3rd Embedded Systems Innovation Competition, German Univwersity (Smart Dustbin)	2018	Project Presentation	Participant
17	Dr. Wisam Al-Azzo	SETS 2018 organized by Ibri College of Technology	2018	Paticipant-Poster Presentation	1st Prize
18	Dr. Wisam Al-Azzo	8th National Symposium on Engineering Final Year Projects organized by University of Nizwa	2018	Paticipant-Poster Presentation	1st Prize
19	Mr. Zafar Iqbal	Post Graduate trainig in Innovation & Enterpenureship exploration - Malaysia	2018	Participant	Passed
20	Mr. Zafar Iqbal	Research Skills Seminar - 8 Modules completed - Malaysia	2018	Participant	Passed

21	Muthukumar Selvakkannu	Oman Industrial Revolution 4.0 Conference	8-Jul-18	Participant	Participant
22	Pritam Keshavdas Gujarathi	"EV for sustainable development of India" and "Retrofitted Conversion of Conventional Vehicle into Plug-In Hybrid Electric Vehicle" on 8 th Feb 2018 during Faculty Development Programme under the auspices of Govt. of Maharashtra, Higher and Technical Education Department scheme organized by Government College of Engineering, Avsari, Pune, India.	8-Feb-18	Speaker	Invited Session
23	Pritam Keshavdas Gujarathi	Advances in Automobile Engineering" for undergraduate students of Government College of Engineering, Avsari, Pune, India.	9-Feb-18	Speaker	Invited Talk
24	Dr.Bensujin	Trends in Engineering and Management (NSETEM-2017), Waljat College of Applied Science	2017	Participant Paper Presentation	1st Prize
25	Pritam Keshavdas Gujarathi	organized by Department of Electrical Engineering, Marathwada Mirta Mandal's College of Engineering Pune, India.	31st July 2017	Speaker	Invited Talk
26	Pritam Keshavdas Gujarathi	International Technology Congress 2017, Pune India.	December 28-29 2017	Paper Presentation/Session Chair	Best Paper Award
27	Pritam Keshavdas Gujarathi	Research Colloquium (ICSGRC 2017) Organised by IEEE Control System Section, Malaysia and University Technology, Mara	4-5 August 2017	Paper Presentation	Participant
28	Pritam Keshavdas Gujarathi	Technologies and Management for Computing, Communication, Controls, Energy and Materials (ICSTM) held in	August 2-4, 2017	Paper Presentation	Participant

**List of Staff Publications during 2018-19**

Sl. No	Name of the Staff	Title of the Research Paper	Name of the Journal , ISSN No / Conference details	Month and year
1	Dr Ravichandran M	Unmanned Vehicle Systems (UVS Oman - 2019)	"IB Autonomous Platform, Wireless Communication Networks and FPGA for UVS" held at College of Engineering, Sultan Qaboos University	Feb 2019
2	Darsan R S	Mechanical And Water Absorption Of Injection Moulded Pineapple Leaf Fiber Reinforced Polylactic Acid Composites	International Journal of Mechanical Engineering and Technology (IJMET), Volume 9, Issue 11	November 2018
3	Darsan R S	Tensile, Impact, Flexural And Morphological Characteristics Of Pineapple Leaf Fiber Reinforced Polylactic Acid Composites	International Journal of Mechanical Engineering and Technology (IJMET) Volume 10, Issue 01	January 2019
4	PORCHILAMBAN	Structural relationships of	Journal of Advanced	March 2019



	SENGOTTAIYAN	metallurgical and mechanical properties influenced by Ni-based fillers on Gas Tungsten Arc Welded Ferritic /Austenitic SS dissimilar joints	Mechanical Design, Systems, and Manufacturing, Japan Society of Mechanical Engineers.	
5	PORCHILAMBAN SENGOTTAIYAN	Effect of addition of hydrogen and TiO ₂ in gasoline engine in various exhaust gas recirculation ratio	ELSEVIER- International Journal of Hydrogen Energy	March 2019
6	Dr. Navneet Rai	Synergistic Effects of Alum and Demulsifier on Demulsification of Crude oil Emulsions	Int. J. Chem. Sci, Volume: 16(3) ISSN: 0972-768X DOI: 10.21767/0972-768X.1000272	June 2018
7	Dr R Senthil Kumar	CFD analysis of a centrifugal pump used in LiBr-H ₂ O absorption system utilising solar energy	CASET 2K19, Ibri College of Technology	April 2019
8	Dr.Radika P	Performance comparison of conventional boost converter and interleaved	International Journal of Future Trends in Engineering	July-Sep 2018



		dc-dcconverter	Science	
9	Muhammad Khurram	Optimal Overhead Energy Efficient Algorithm Of Leach Protocol In Wireless Sensor Networks	International Journal of Emerging Technology and Advanced Engineering, Website: www.ijetae.com (ISSN 2250-2459, ISO 9001:2008 Certified Journal, Volume 9, Issue 1, January 2019 (Page # 62-67))	January 2019
10	Muhammad Khurram	A Survey on Optimal Dynamic Deployment and Scheduling of Relay Nodes in Wireless Sensor Networks	International Journal of Advance Computational Engineering and Networking (IJACEN), Volume-6, Issue-9, ISSN(p): 2320-2106, ISSN(e): 2321-2063, Universal Paper ID: IA-ICSTMPUTR-19078-9049.	November 2018
11	Muhammad Khurram	CPEC Game Changer will Boost Oman's Economy	Journal of Oman Business Focus, Vol.5 January 2018, Department of Business	January 2018



			Administration, CAS, Nizwa, Sultanate of Oman.	
12	Muhammad Khurram	Proposed Efficient Method for Ticket Booking (PEMTB)	Journal of Fundamental and Applied Sciences, 2018, 10(6S), 321-338 ISSN 1112-9867.	April 2018
13	Muhammad Khurram	Auto Spruce Trial System(ASTS)	4th International Conference on Recent Trends in Computer Science and Electronics 2019, ISBN- 978-81- 938900-8-0, GYANCITY Research Labs, University of HAWAI'I, 03-04 January 2019.	January 2019
14	Muhammad Khurram	Optimal Overhead Energy Efficient Algorithm Of Leach Protocol In Wireless Sensor Networks	4th International Conference on Green Computing and Engineering Technologies (ICGCET), 2018 Aalborg University, Niels Bohrs Vej 8, Esbjerg, Denmark, GYANCITY Research Labs,	August 2018



			Aalborg University, Denmark.	
15	Muhammad Khurram	A Survey on Optimal Dynamic Deployment and Scheduling of Relay Nodes in Wireless Sensor Networks	International Conference on Science Technology and Management (ICSTM) Putrajaya, Malaysia.	July 2018
16	Muhammad Khurram	Framework to Suggest the Most non Predictable and Secure User Graphical Password Patterns in Android Phones	Sixth Intl. Conf. Advances in Computing, Communication and Information Technology- CCIT 2018. ISBN: 978-1-63248-149-8 doi: 10.15224/978-1-63248-149-8-14.	Spetember 2018
17	Muhammad Khurram	IoT Based Smart Home Automation Notification System Using Android.	Published in 8th National Symposium on Engineering Final Year Project, in Nizwa University.	May 2018
18	Chandilyan Sivaraj Uthamarajan	A Review On Hydrodynamic Insights Of Liquid Solid Circulating Fluidized Beds (LSCFB) - Focus	International Conference on Seamless Chemical Engineering In service Of Humanity:	Dec 2018



		on Holdups for Petrochemical Application	Innovations, Opportunities & Challenges	
19	Dr.Vimalakeerthy Devadoss	Intelligent Security System	International Journal of Research and Analytical Reviews	Jan 2019
20	Prabaharan T	Experimental Study of Plane Displacement and Strain Measurement Using Digital Image Correlation In Matlab and Validation by Ansys	International Journal of Mechanical Engineering and Technology, 9(13), 2018, pp. 1378–1389.	Dec-18
21	Dr. Gujarathi P. K.	Costing Trends of Electric Powertrain and Cost Analysis for Conversion of Conventional Vehicle into Plug-In Hybrid Electric Vehicle	Journal of Green Engineering, Vol. 8_4, pages: 497–518, River Publishers, Denmark, indexed in ELSEVIER-Scopus.	October 2018
22	Dr. Gujarathi P. K.	Emission Reduction by Conversion of Bicycle to Hybrid Electric Bicycle for Low Distance	11th International Symposium on Advanced Topics in Electrical Engineering Organized by The Faculty of	March 2019



		Commuter	Electrical Engineering, University Politehnica of Bucharest, Romania scheduled on Mar 28-30, 2019.	
23	Dr. SHABBIR AHMED	NUMERICAL ANALYSIS OF WOVEN GLASS-FABRIC POLYMER LAMINATED COMPOSITE WITH BOLT LOADED HOLE	Proceedings of IASTEM International Conference, Stockholm, Sweden, 6th-7th March 2018	
23	Dr. SHABBIR AHMED	PRELIMINARY STUDIES ON THREE DIMENSIONAL STRESS ANALYSIS OF FASTENER JOINT IN COMPOSITE LAMINATE	Proceedings of IASTEM International Conference, Stockholm, Sweden, 6th -7th March 2018	
24	Dr.Sugumaran	An Algebraic approach for lower order model formulation of Linear time variant MIMO System	National conference on Applied science, Engg & Tech 2019, Ibri College of Technology	May 2019
25	Dr. SHABBIR AHMED	NUMERICAL ANALYSIS OF WOVEN GLASS-	International Journal of Management and Applied Science,	



		FABRIC POLYMER LAMINATED COMPOSITE WITH BOLT LOADED HOLE	ISSN: 2394-7926	
26	Dr. SHABBIR AHMED	PRELIMINARY STUDIES ON THREE DIMENSIONAL STRESS ANALYSIS OF FASTENER JOINT IN COMPOSITE LAMINATE	International Journal of Mechanical and Production Engineering, ISSN(p): 2320- 2092, ISSN(e): 2321-2071	

List of URG Projects during 2018-19

Sl.No	Name of the Staff	Title of the Project
1	Dr Rajkumar Patro	Intelligent Energy Saving Street Lighting System
2	N.Murali	Smart Irrigation System using IOT
3	Dr.BenSujin	Smart Helmet
4	Dr.BenSujin	Robot nursing assistant for bed ridden people in Oman
5	Dr.Sugumaran	An effective Solid Waste Management optimization techniques in Nizwa city

List of Internal Research Grants during 2018-19

Sl.No	Name of the Faculty	Title of the Project	Amount
1	Dr.Ravichandran	Quadcopter Powered real world point o point delivery for logistic	800 OMR



		Industries	
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List of Staff and Students Participated in conferences during 2018-19

Sl.No	Name of the Staff	Name of the Students	Title of Research Paper	Details of Conference
1	Dr Ravichandran M	Azhaar Saleem Khalfan Al-Fahdi (22S1519), Ghizlan Hamed Humaid Al- Aasmi (22S15315), Hanan Mohammed Said Al- Mahrouqi (22S15222), Zahra Ali Yasir Al- Qassabi (22S15286)	Flying Robot (Poster Presentation)	The Ninth National Symposium on Engineering Final Year Project
2	Dr.Radika	22J1565- Wafa Khalfan Mohammed Al Rashdi 22J15204- Safa Salim Said Al Saifi	High voltage Gain DC/DC converter with voltage doubler	National Conference on Applied Science, Engineering and Technology, IBRI
3	Dr.Radika	26J1590-Abir Mubarak Saif Al Hinai 22S15155- Maroa Abdullah Madad Al Hinai 22S14225-Rahab Ali Khalifa Al Hinai 22S15360- Rahma Fadhil Said Al-Riyami 22J1596-Safa Khalfan Al Manthari	Arduino based Smartphone controlled Robot Car (Poster presentation)	National Conference on Applied Science, Engineering and Technology, IBRI



		26J15117-Shahad Hamed Salim Al-Azkawi 22S156-Sheikha Yahya Abdullah Al Kharusi		
4	Dr. Syed Imran Ali	pt22s1711245 - Mohammed Khalfan Al-Suleimani 22J1516 - Mazin Salim Rashid Al-Naabi 22J15184 - Abdullah Saif Salim Al Abri	Online selling of used spare parts of cars	National Conference on Applied Science, Engineering and Technology, IBRI
5	Dr. Syed Imran Ali	s26j1522- Suha Yaqoob Ambu-Ali	Classification of posts on Instagram to boost bussiness through social media	National Conference on Applied Science, Engineering and Technology, IBRI
6	Mr.Prabaharan	22S141270- Hilal al Riyami, 22J151514 - Abulaziz al sulaimi, 22S14130 - Mohammed alsulaimi, 22S1415 - Hilai al busaidi, PT22S1815929 - Saud ambusaidi	Computational method for 2D geometrical properties of an object using MATLAB	The Ninth National Symposium on Engineering Final Year Project at University of Nizwa
7	Mr.Prabaharan	22S14168- Qais nasser alyumidhi, 22S14257 - Mohammed khamis alhadrami,	Design of shredder blades for waste plastic	The Ninth National Symposium on Engineering Final Year



		22S1421 - Saif nasser said alrawahi, 22S14238 - Abdulmajeed abdullah almahrouqi, 72S1476 - saleh khamis aljadeedi, 22S14216 - Muaath abdullah said alaasmi, 22S14238 - Faisal bader ambusaidi, 72S1414 - Khalifa nasser alkalnani	bottles.	Project at University of Nizwa
8	Dr. Syed Imran Ali	s26j1522- Suha Yaqoob Ambu-Ali	Silent Heart attack detection	Falling Walls Lab,Oman
9	Dr R Senthil Kumar	1. Khalid Mohammed Al Hinai 2. Mohammed Alazhar Al Hinai 3. Hamood Al-sabari 4. Salim Al-husaini 5. AlJulanda Masaoud Al Sibani 6. Ayman Ali Al Mazroui	CFD anaysis of a centrifugal pump used in a LiBr-H2O VARS utilising solar energy	National conference on Applied science, Engg & Tech 2019, Ibri College of Technology
10	Dr.Vimalakeerthy	1 Dr.Vimalakeerthy Devadoss, 2 Suha said Al Sulaimani, 3 Suha Salim Al Saqri, 4 Marwa Abdullah Awllad Thani	Intelligent Security System Using Arduino	Journal Publication - International Journal of Research and Analytical Reviews

