



**NATIONAL CONFERENCE ON RECENT TRENDS IN  
APPLIED SCIENCE, ENGINEERING AND TECHNOLOGY  
CASET 2K19  
IBRI COLLEGE OF TECHNOLOGY  
LECTURE THEATRE, ENGINEERING DEPARTMENT BUILDING**



## PROGRAM SCHEDULE

**11 June 2019**

<b>8.00 AM – 9.00 AM</b>	<b>Registration</b>		
<b>9.00 AM – 9.20 AM</b>	<b>Inaugural Session</b>		
<b>9.20 AM – 09.50 AM</b>	<b>Keynote Address</b>		
<b>09.50 AM – 10.30 AM</b>	<b>Poster Session &amp; Tea Break</b>		
<b>Track I - Basic Mechanics, Manufacturing &amp; Thermal Engineering</b>			
<b>LECTURE THEATER</b>			
Time	Paper ID	Paper Title	Authors
<b>10.30 AM to 01.30 PM</b>	CASET_ME_001	<i>Evaluation and Design of a Coastal Road in Wilayat Barka</i>	Fatima Rashid Sultan Al Julandani, Hussin A.M Yahia
	CASET_ME_002	<i>Problem of Low Pressure in Water Distribution System in Barka City, Sultanate of Oman</i>	Khalid Khalfan Al Nassri, Hussin A.M Yahia
	CASET_ME_005	<i>Additive Manufacturing</i>	Dr. Saravanan Paramasivam
	CASET_AS_006	<i>Environmental Awareness and Waste Management Perspectives of Oman</i>	Dr. Sujata S. Panicker
	CASET_ME_009	<i>Automated Flow Management Device for Oman Water Networking System</i>	Mr. J. Arthur Davis, Dr. Divakara Shetty A S, Mr. Antony Judice Alexius, Mr. S. Aaron James
	CASET_AS_005	<i>Development and Validation of an Excel Add-In for Determining the Properties of Various Refrigerants</i>	Dr. Mohamed M. El-Awad, Mustafa S. Al Nabhani, Khalid S. Al Hinai, Abubaker Younis
	CASET_ME_008	<i>CFD Analysis of a Centrifugal Pump used in a LiBR-H<sub>2</sub>O Vapour Absorption Refrigeration System Utilizing Solar Energy</i>	Khalid Mohammed Al-Hinai, Mohammed Alazhar Al-Hinai, Hamood Al-sabari., Salim Al-husaini, Al Julanda Masaoud Al Sibani, Dr. R. Senthil Kumar, Jihad Ahmed AlSulaimi
	CASET_ME_004	<i>Performance Studies on HC/HFO/HFC Refrigerants and Mixtures as an Eco-Friendly Replacement for R134a in Domestic Refrigeration Systems</i>	S. Joseph Sekhar, P. Saji Raveendran, T. Raja
	CASET_ME_010	<i>Combustion and Performance Analysis of DTSi Engine using Gasoline-Methanol Blends</i>	Divakara Shetty A. S, Arthur Davis, Mohammed Riyaz, Ravi Kumar R
	<b>01.30 – 02.30</b>	<b>Lunch &amp; Prayer Break (VIP Lounge)</b>	
<b>02.30 – 03.00</b>	<b>Valedictory Session (VIP Lounge)</b>		

## Track II - Electrical, Electronics & Communication Engineering

### MULTIPURPOSE HALL

Time	Paper ID	Paper Title	Authors
<b>10.30 AM to 01.30 PM</b>	CASET_EEE_001	<i>Simulation and Implementation of UPQC to Improve the Power Quality for Linear and Non-linear Loads</i>	Mr. Kanagaraj Venusamy, Dr. K. A. Rani Fathima
	CASET_EEE_002	<i>Simulation of High Voltage Gain Boost DC/DC Converter with Voltage Doubler Characteristics</i>	Dr. Radika Ponnuraj, Wafa Khalfan Mohammed Al Rashdi, Safa Salim Said Al Saifi
	CASET_EEE_003	<i>An Algebraic Approach for Lower Order Model Formulation of MIMO Linear Time Invariant Continuous Systems</i>	G. Sugumaran
	CASET_EEE_004	<i>Machine Learning Competences for Computing in Internet of Things (IoT)</i>	Dr. Rachappa, Dr. Divyajyothi M G
	CASET_EEE_010	<i>An Analysis About Fiber Optical Network Technology in Today Life</i>	Elham Saif Ali Al-Harthy
	CASET_EEE_011	<i>An Analysis about Mobile Cloud Computing</i>	Salma Salim Al-Jaafari, Rasmia Juma Al-Saadi, Salma Hamed Al-Hajri
	CASET_EEE_012	<i>Secured Data Transmission with Cryptography and Steganography Techniques</i>	Safa Said Al Maamari, Jawaher Hamed Al Musalmi, Ruqaya Mohammed Al-Harthy
	CASET_EEE_014	<i>Classification of Posts on Instagram using Naive Bayes Classifier to Boost Business via Social Media</i>	Syed Imran Ali, Suha Yaqoob Ambu-Ali
	CASET_EEE_006	<i>A Grid Integrated Smart DG Inverter Topology for Power-Quality Enhancement</i>	Srinivasa Rao Naariseti, Ganesh Reddy
<b>01.30 – 02.30</b>	<b>Lunch &amp; Prayer Break (VIP Lounge)</b>		
<b>02.30 – 03.00</b>	<b>Valedictory Session (VIP Lounge)</b>		

## Track III - Mathematical Modeling, Design & Data Management

### B105

Time	Paper ID	Paper Title	Authors
<b>10.30 AM to 01.30 PM</b>	CASET_AS_001	<i>Non-Archimedean Stabilities of MICA and MICD Functional Equations</i>	B. V. Senthil Kumar
	CASET_AS_002	<i>Domain Walls in LRS Bianchi Type-II with Scalar-Tensor Theory of Gravitation</i>	Dr. Satynanarayana Bora, R. Santhikumar
	CASET_AS_003	<i>A Study to Predict Eid Al-Fitr Day in Oman using Markov Chain Technique</i>	Mohammed Razeuddin, Senthil Kumar Beri Venkatachalapathy
	CASET_EEE_007	<i>Predict Withdraw Students in First Year using Data Mining</i>	Zuwaina Rashid AL-Riyami
	CASET_AS_004	<i>MHD Flow of Steady / Unsteady Two Dimensional Dusty Fluid Flows through Porous Medium in Frenet Frame Field</i>	Devendra Kumar, M. K. Rana, R. K. Srivastava
	CASET_ME_006	<i>Physical Modelling on Hydraulic Performance Characteristics of Perforated Quarter Circle Breakwater</i>	Dr. Binumol S, Subba Rao, Arkal Vittal Hegde
	CASET_EEE_008	<i>Machine Learning Adoption for Big Data Classification in Pervasive Environments</i>	Dr. Divyajyothi M G, Dr. Rachappa
	CASET_ME_011	<i>Hands-on Computing Method for 2D Geometrical Properties using MATLAB</i>	Prabakaran T, Mohammed, AL-Sulaimi, Hilal Al Riyami, Hilal AL-Busaidi, Abdulaziz AL-Sulaimi, Saud Ambusaidi
	CASET_ME_007	<i>Well Planning of Oil and Gas Industry Using GTO and Designing of Deviated Well</i>	Mohammed Ismail Iqbal
<b>01.30 – 02.30</b>	<b>Lunch &amp; Prayer Break (VIP Lounge)</b>		
<b>02.30 – 03.00</b>	<b>Valedictory Session (VIP Lounge)</b>		