



Vellore – 632 014, Tamil Nadu, India. www.vitac.in

International Conference on Innovative and Emerging Technologies for Farming - Energy and Environment – Water

ITsFEW

October 12-14, 2018

Organised by Vellore Institute of Technology, Vellore

VENUE DETAILS

Anna Auditorium

- Behind Main Building

Dr. Channa Reddy Auditorium-

Main Building (MB)

- Ground Floor (G20)

Dr. Ambedkar Auditorium

- Technology Tower (TT)

- Ground Floor (G18 &19)

Gallery - I

- Technology Tower (TT)

- Ground Floor (028 &029)

TT 311, 312, 513

- Technology Tower (TT)

Greenos & Foodys

- Adjacent to Hexagon Building

Conference Themes

Track- I: Developments in Farming

Track- II: Energy & Environment

Track-III: Water Conservation and Management

International Conference on

Innovative and Emerging Technologies for Farming - Energy and Environment - Water (ITsFEW)

12 -14, October 2018 ITsFEW – PROGRAMME SCHEDULE

			Venue
		DAY – I (12.10.2018)	
0800 - 0930		Registration	Main Building Reception
1000 – 1145		Inaugural Function	
1145 – 1200		Photo Session (Main Building Portico) & High Tea	
1300 – 1400		Lunch	Foodys
1400 – 1445	Keynote Session-I	Chair: Prof. A. Sivakumar, VIT, Vellore Keynote speaker: Dr. Nazmul Ahsan, University of Tokyo, Japan Title: Emerging semiconductors for next generation solar cells	TT Gallery-1 (028-029)
1445 – 1530	Technical Session- I	Chair: Prof. P. Alli, VIT, Vellore Theme: Energy & Environment	TT 311
1445 – 1530	Technical Session- II	Chair: Prof. A. Sivakumar, VIT, Vellore Theme: Farming & Water	TT 312

1530 – 1615	Keynote Session-II	Chair: Prof. J. Prabhu, VIT, Vellore Keynote speaker: Prof. M. Razi Nalim, Purdue University Indianapolis, USA Title: Cost Reduction & Scale Expansion for Structural Carbon - A Path to Environment Decarbonization	TT Gallery-1 (028-029)
		Tea break	
1630 – 1715	Technical Session- III	Chair: Prof. J. Prabhu, VIT, Vellore Theme: Energy & Environment	TT 311
1630 – 1715	Technical Session- IV	Chair: Prof. Sofi, VIT, Vellore Theme: Farming & Water	TT 312
1715-1800	Keynote Session-III	Chair: Prof. Sofi, VIT, Vellore Keynote speaker: Peter J. Schubert, Indiana University Purdue University Indianapolis (IUPUI); Indianapolis, USA Title: Crop Waste Gasification: Producing Chemicals, Energy, Fuel, and Heat	TT Gallery-1 (028-029)
		1900: Conference Dinner at Greenos	
		DAY – II (13.10.2018)	
0930 – 1045	Keynote Session-IV	Chair: Prof. R. Vidya, VIT, Vellore Keynote speaker: Dr.C. Buvaneswaran, Institute of Forest Genetics & Tree Breeding, Coimbatore. Tamil Nadu Title: Windbreak agroforestry for productivity enhancement and sustainability in agriculture	Dr. B R Ambedkar Auditorium
1045 – 1130	Keynote Session-V	Chair: Prof. Mahesh Ganesapillai, VIT, Vellore Keynote speaker: Mr. Suhas Shivanna, Hewlett Packard Enterprise, Bangalore. Title: Digital Transformation: Technology Trends, Opportunities and Challenges	Dr. B R Ambedkar Auditorium

		Tea break	
1145 – 1300	Technical Session- V	Chair: Prof. R. Vidya, VIT, Vellore Theme: Energy & Environment	TT 311
1145 – 1300	Technical Session- VI	Chair: Prof. Mahesh Ganesapillai, VIT, Vellore Theme: Farming & Water	TT 312
1300 - 1400		Lunch	Foodys
1400 – 1445	Keynote Session-VI	Chair: Prof. K. Rajan Babu, VIT, Vellore Keynote Speaker: Dr. K. Rajan, ICAR - Indian Institute of Soil and Water Conservation, Research Centre, Tamil Nadu. Title: Natural Resources Management	Dr. B R Ambedkar Auditorium
1445-1530	Technical Session- VII	Chair: Prof. K. Rajan Babu, VIT, Vellore Theme: Energy & Environment	TT 311
1445-1530	Technical Session- VIII	Chair: Prof. Uma Shankar, VIT, Vellore Theme: Farming & Water	TT 312
		Tea Break	
1545-1700	Technical Session- IX	Chair: Prof. R. Mohanasundaram, VIT, Vellore Theme: Energy & Environment	TT 311
1545-1700	Technical Session- X	Chair: Prof. Uma Shankar, VIT, Vellore Theme: Farming & Water	TT 312
		Local Tour (1730-2000)	
		DAY – III (14.10.2018)	
0930-1045	Technical Session- XI	Chair: Prof. S. Muthuraja, VIT, Vellore Theme: Energy & Environment	TT 311

0930-1045	Technical Session- XII	Chair: Prof. K. Palanisamy, VIT, Vellore Theme: Farming & Water	TT312
		Tea Break	
1100-1215	Technical Session- XIII	Chair: Prof. S. Muthuraja, VIT, Vellore Theme: Energy & Environment	TT 311
1100-1215	Technical Session- XIV	Chair: Prof. K. Palanisamy, VIT, Vellore Theme: Farming & Water	TT 312
1215-1300	Technical Session- XV	Chair: Prof. S. Muthuraja, VIT, Vellore Theme: Energy & Environment	TT 311
1215-1300	Technical Session- XVI	Chair: Prof. K. Palanisamy, VIT, Vellore Theme: Farming & Water	TT 312
1300 – 1400		Lunch	Foodys
1430 – 1600		Valedictory Function	Dr. B R Ambedkar Auditorium

Technical Sessions

	: 12.10.2018 : 1445-1530	Technical Session — I :
	nue: TT 311	Theme: Energy & Environment
SI. No	ITsFEW ID	Paper Title, authors and affiliation
1.	TP18ENE002	Title: A NOVEL METHOD OF HIGHWAY LIGHTING SYSTEM BY USING ARDUINO Authors: S.Karthikeyan, R.Vikesh, G.K.Shivani Affiliation: Sri Krishna College of Engineering and Technology, Coimbatore, India.
2.	TP18ENE005	Title: SMART HOME AND SMART CITY TECHNOLOGY Authors: Mayuresh Arwind Mehrunkar Affiliation: Vellore Institute of Technology, Vellore, Tamil-Nadu, INDIA
3.	TP18ENE007	Title: OPTIMIZATION OF BIODIESEL PRODUCTION USING TRANSESTERIFIACTION PROCESS Authors: E.Sriman Narayanan, S.Senthur Prabu Affiliation: School of Mechanical Engineering, VIT University, Vellore, India
4.	TP18ENE004	Title: IMPLIMENTATION OF PHYTOREMEDIATION TO REMEDIATE HAZARDOUS HEAVY METALS IN TANNERY WASTE IN INDIA Authors: M.Lavanya, R.Vidya Affiliation: School of biosciences and technology, VIT Centre for Agricultural Innovations and Advanced Learning (VAIAL), VIT University, Vellore – 632014, Tamil Nadu, India.
5.	TP18ENE006	Title: THE EFFECT OF ALCCOFINE ON BLENDED CONCRETE UNDER COMPRESSION Authors: Avuthu Narender Reddy, T. Meena Affiliation: Department of Structural and Geo-Technical Engineering, School of Civil Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu – 632014, India.
Date	: 12.10.2018	
	: 1445-1530 nue: TT 312	Technical Session — II Theme: Farming and Water
SI. No	ITsFEW ID	Paper Title, authors and affiliation
1.	TP18FAR003	Title: A COMPARITIVE STUDY OF CONVENTIONAL AND SMART FARMING Authors: Nipun Katyal Affiliation: School of Electrical Engineering, Vellore Institute of Technology, Vellore-632014, Tamil Nadu, India
2.	TP18FAR004	Title: DISCRETE COSINE TRANSFORM BASED FEATURE EXTRACTION FOR HYPERSPECTRAL IMAGE CLASSIFICATION Authors: Shrutika Sawant, Prabukumar M Affiliation: School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India

		Title: UNDERSTANDING THE ROLE OF PENA GENE IN DRUG RESISTANCE MECHANISM BY USING GENE INTERACTION NETWORK ANALYSIS
3.	TP18FAR006	Authors: Sravan Kumar Miryala, Anand Anbarasu, Sudha Ramaiah
		Affiliation: Medical and Biological Computing Laboratory, School of Biosciences and Technology
		Vellore Institute of Technology (VIT), Vellore-632014, Tamil Nadu, India.
		Title: DYNAMIC SIMULATION ANALYSIS AND DESIGN OF STORM WASTE WATER MANAGEMENT SYSTEM
4.	TP18WAT001	Authors: A. Manimaran, K.G. Gautam, M.S. Anishkar
٦.		Affiliation: Department of Civil Engineering, SRM Institute of Science and Technology,
		Kattankulathur, Chennai, Tamil Nadu, India. 603203
		Title: COMPOSITE BASED ON GUARGUM GELATIN AND CNC FOR THE REMOVAL OF WATER POLLUTANTS
5.	TP18WAT002	Authors: E.Jackcina Stobel Christy, A.Rajeswari, Anitha Pius
		Affiliation:
	e: 12.10.2018	Technical Session — III
Time:	1630 – 1715	Theme: Energy & Environment
	enue: TT 311	Theme. Living & Livingianess
SI. No	ITsFEW ID	Paper Title, authors and affiliation
_		Title: AN APPROACH TO OPTIMIZE BIODIESEL PRODUCTION
1.	TP18ENE008	Authors: Raghul.D, S.Senthur Prabu
		Affiliation: School of Mechanical Engineering, VIT University, Vellore, India
_		Title: IMPLEMENTATION OF AN EFFICIENT ENERGY MANAGEMENT SYSTEM FOR SMART HOME AUTOMATION SYSTEM
2.	TP18ENE009	Authors: S.Gomathy , K.Malarvizhi , R.Karthikeayn , G.Sivasurya
		Affiliation: Department of EEE, Kongu Engineering College, Perundurai
		Title: DISH ANTENNA INSPIRED THERMO COUPLE GENERATOR
3.	TP18ENE010	Authors: Vijay Anirudh Premnath
		Affiliation: College of Engineering, Guindy
		Armanon. Conege of Engineering, Johnay
		Title: REDUCED ENERGY CONSUMPTION FOR TRAINS
4.	TP18ENE017	Title: REDUCED ENERGY CONSUMPTION FOR TRAINS Authors: Vijay Anirudh Premnath
4.	TP18ENE017	Title: REDUCED ENERGY CONSUMPTION FOR TRAINS Authors: Vijay Anirudh Premnath Affiliation: College of Engineering, Guindy
		Title: REDUCED ENERGY CONSUMPTION FOR TRAINS Authors: Vijay Anirudh Premnath Affiliation: College of Engineering, Guindy Title: SMART DUSTBIN WITH EFFICIENT WASTE MANAGEMENT TECHNOLOGY
4. 5.	TP18ENE017 TP18ENE018	Title: REDUCED ENERGY CONSUMPTION FOR TRAINS Authors: Vijay Anirudh Premnath Affiliation: College of Engineering, Guindy

Date: 12.10.2018 Time: 1630 - 1715		Technical Session — IV
		Theme: Farming and Water
Venue: TT 312		Theme, Furning and Water
SI. No	ITsFEW ID	Paper Title, authors and affiliation
		Title: QUALITY EVALUATION OF VALUEADDED PRODUCTS FROM AONLA
1.	TP18FAR010	Authors: Karpagavalli. B, Amutha. S
		Affiliation: RVS Agricultural College, Thanjavur
		Title: IOT SENSOR BASED SMART AGRICULTURAL SYSTEM
2.	TP18FAR011	Authors: Dr.J.Mahalakshmi, Dr.K.Kuppusamy, C.Kaleeswari, P.Maheswari
		Affiliation: Department of Computational Logistics, Alagappa University, Karaikudi
		Title: MONITORING QUALITY OF TAP WATER IN CITIES USING IOT
3.	TP18WAT006	Authors: T. K. Das, A.K.Tripathy, C.L. Chowdhury
		Affiliation: School of Information Technology and Engineering, Vellore Institute of Technology, Vellore, India
		Title: POLYPHENOLS IN WASTEWATER TREATMENT INSIGHTS ON HEAVY METAL ADSORPTION
4.	TP18WAT008	Authors: Angelene Hannah Jebarani D, Gobi N, Devasena T
		Affiliation: Anna University, Chennai 600025, Tamilnadu, India
		Title: A NOVEL DESIGN FOR A CLOG REMOVAL SYSTEM FOR APPLICATIONS IN MUNICIPAL SEWAGE SYSTEMS
5.	TP18WAT010	Authors: Arnab Das, Abhishek Mishra, Neelansh Kamal, M. Murugan
		Affiliation: School of Mechanical Engineering, Vellore Institute of Technology
Date	: 13.10.2018	Technical Session — V
	1145 – 1300	Theme: Energy & Environment
	nue: TT 311	-
SI. No	ITsFEW ID	Paper Title, authors and affiliation
_		Title: PRODUCTIVITY IMPROVEMENT IN SOLAR DESALINATION WITH LATENT HEAT STORAGE
1.	TP18ENE011	Authors: S.Caleb Stevenson, M.Sarath , E.Praveen Kumar, R.Rakesh
		Affiliation: Department of Mechanical Engineering, Sri Sai Ram Engineering College. Chennai, Tamil Nadu-600044, India. Title: ENERGY EFFICIENT RESOURCE MANAGEMENT USING VIRTUAL MACHINES IN CLOUD COMPUTING
2.	TP18ENE013	Authors: Praveen Immanuel Paulrai J
۷.	11 TOLINEOTS	Affiliation: Dept. of Media and Communication, Karunya University, Coimbatore, India
	1	Title: A STUDY ON COMPRESSIVE STRENGTH AND COST ANALYSIS OF INDUSTRIAL BYPRODUCTS BASED TERNARY BLENDED
		GEOPOLYMER CONCRETE
3.	TP18ENE014	Authors: K.SrinivasReddy, BalaMurugan.S
		Affiliation: Department of Structural and Geotechnical Engineering, School of Civil Engineering, Vellore Institute of Technology,
		Vellore, Tamilnadu, India

		Title: GREEN INFRASTRUTURE	
4.	TP18ENE027	Authors: Dr H.Ramasundaram, Dr Gayathiri, Jagan hariharan	
		Affiliation: Coimbatore, India	
		Title: SOLAR BASED WATER PUMPING	
5.	TP18ENE044	Authors: Anjali Sharma	
		Affiliation: Department of Electrical and Electronics Engineering, VIT Vellore	
		Title: DYNAMIC WIND LOAD ANALYSIS ON SINGLE AXIS SOLAR TRACKER	
6.	TP18ENE028	Authors: Jakkam Leela kishan, Abhimanyu Sable, Mayuresh Darekar, Ankit Gupta	
		Affiliation: Vellore, India	
_		Title: ADAPTIVE KALMAN FILTERING TECHNIQUES TO PROCESS EMG DATA USED FOR UPPER LIMB POWER PROSTHETICS	
7.	TP18ENE032	Authors: Prithviraj N Indi, Prof K Palanisamy	
	TD105\15105	Affiliation: School of Electrical Engineering, Vellore Institute of Technology, Vellore, Tamil Nadu.	
	TP18ENE105	Title: UTILIZATION OF POLY HYDROXYALKANOATES BASED NANOPARTICLES FOR DRUG DELIVERY	
8.		Authors: Senthilkumar P, Sai Priya C, Bashyam Praneetha, Sneha Xavier, Sudarsan D	
		Affiliation: Department of Biotechnology, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Chennai.	
	: 13.10.2018	Technical Session – VI	
	1145 – 1300	Theme: Farming and Water	
	nue: TT 312	_	
SI. No	ITsFEW ID	Paper Title, authors and affiliation	
SI. No		Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS	
SI. No	TP18FAR012	, ,	
		Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India	
		Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass	
		Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India	
1.	TP18FAR012	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH	
1.	TP18FAR012	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S	
2.	TP18FAR012 TP18FAR013	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S Affiliation: PSG College of Technology, Coimbatore, Tamil Nadu, India	
1.	TP18FAR012	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S Affiliation: PSG College of Technology, Coimbatore, Tamil Nadu, India Title: PHOTOCATALYTIC DEGRADATION OF DYE USING VISIBLE LIGHT ACTIVE CARBON DOPED TITANIUM DIOXIDE	
2.	TP18FAR012 TP18FAR013	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S Affiliation: PSG College of Technology, Coimbatore, Tamil Nadu, India Title: PHOTOCATALYTIC DEGRADATION OF DYE USING VISIBLE LIGHT ACTIVE CARBON DOPED TITANIUM DIOXIDE NANOCOMPOSITE AND ITS KINETICS	
2.	TP18FAR012 TP18FAR013	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S Affiliation: PSG College of Technology, Coimbatore, Tamil Nadu, India Title: PHOTOCATALYTIC DEGRADATION OF DYE USING VISIBLE LIGHT ACTIVE CARBON DOPED TITANIUM DIOXIDE NANOCOMPOSITE AND ITS KINETICS Authors: Akshith Naidu, Dhanush.S.Eshwar, G Aadithya Srinivasan, Rahul Vaidya	
2.	TP18FAR012 TP18FAR013 TP18WAT011	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S Affiliation: PSG College of Technology, Coimbatore, Tamil Nadu, India Title: PHOTOCATALYTIC DEGRADATION OF DYE USING VISIBLE LIGHT ACTIVE CARBON DOPED TITANIUM DIOXIDE NANOCOMPOSITE AND ITS KINETICS Authors: Akshith Naidu, Dhanush.S.Eshwar, G Aadithya Srinivasan, Rahul Vaidya Affiliation:	
2.	TP18FAR012 TP18FAR013	Title: SMART MONITORING OF FARMLAND USING FUZZY LOGIC BASED DISTRIBUTED WIRELESS SENSOR NETWORKS Authors: Anagha Rajput, Vinoth Babu Kumaravelu, Arthi Murugadass Affiliation: School of Electronics Engineering, Vellore Institute of Technology, Tamil Nadu, India Title: AZOLLA BASED FEED FORMULATION FOR FISH Authors: Brindha T., Sayara K., Sakthi Pemila R., Selvi S Affiliation: PSG College of Technology, Coimbatore, Tamil Nadu, India Title: PHOTOCATALYTIC DEGRADATION OF DYE USING VISIBLE LIGHT ACTIVE CARBON DOPED TITANIUM DIOXIDE NANOCOMPOSITE AND ITS KINETICS Authors: Akshith Naidu, Dhanush.S.Eshwar, G Aadithya Srinivasan, Rahul Vaidya Affiliation: Title: USE OF PCW AND BENTONITE BLENDS IN EARTHEN BARRIERS	

	Title: SMART WATER HARVESTING SYSTEM
TP18WAT013	Authors: Suhas Hurli Gopalakrishna, Anirudh K
	Affiliation: VIT Vellore, Vellore, India
	Title: ENHANCED RESOURCE ACQUISITION FOR OPTIMIZED WATER HARVESTING TECHNIQUES
TP18FAR014	Authors: Niklesh Karan.v
	Affiliation: Vellore Institute of Technology, VIT Vellore, India
	Title: EFFECT OF CLIMATIC INFLUENCES AND PREDICTING CROP YIELD THROUGH MULTITEMPORAL CHANGE DETECTION
TP18FAR015	Authors: Shaurya Bajaj, Aju D
	Affiliation: Vellore Inst itute of Technology, Vellore, Tamil Nadu, India
	Title: GENETIC ALGORITHM TO FIND OPTIMUM GROWING TECHNIQUE FOR MULTICROPPING PROBLEMS
TP18FAR016	Authors: Vinamra Das, Sunny Jain
	Affiliation: VIT Vellore, Vellore, India
te: 13.10.2018	Technical Session — VII
ne: 1445-1530	Theme: Energy & Environment
enue: TT 311	
	Paper Title, authors and affiliation
TP18ENE100	Title: EVALUATION OF TOXICITY OF VARIOUS METAL NANOPARTICLES -AN IN-VIVO STUDY
	Authors: SaiPriya C, Jane Cypriyana P J, Neena Joseph M, Sai Geetha S, Antony V Samrot
	Affiliation: Department of Biotechnology,Sathyabama Institute of Science and Technology,Chennai
	Title: DATA STREAMING IN HEALTHCARE USING IOT
TP18ENE037	Authors: Govinda.K
	Affiliation: Vellore Institute of Technology, Vellore,Tamilnadu, India
	Title: LOCATION BASED PROACTIVE HANDOFF MECHANISM IN MOBILE AD HOC NETWORK
TP18ENE039	Authors: Govinda.K
	Affiliation: Vellore Institute of Technology, Vellore,Tamilnadu, India
TD1.05.15000	Title: SOLAR ASSISTED SMART SOLID WASTE DUST BIN
TP18ENE023	Title: SOLAR ASSISTED SMART SOLID WASTE DUST BIN Authors: Jayagopal, Devapounraj, Mayilvelnathan
TP18ENE023	Title: SOLAR ASSISTED SMART SOLID WASTE DUST BIN Authors: Jayagopal, Devapounraj, Mayilvelnathan Affiliation:
	Title: SOLAR ASSISTED SMART SOLID WASTE DUST BIN Authors: Jayagopal, Devapounraj, Mayilvelnathan Affiliation: Title: SMART PRINTED PAPERBOARD FOR GREEN INFRASTRUCTURE
TP18ENE023 TP18ENE031	Title: SOLAR ASSISTED SMART SOLID WASTE DUST BIN Authors: Jayagopal, Devapounraj, Mayilvelnathan Affiliation:
	TP18FAR014 TP18FAR015 TP18FAR016 te: 13.10.2018 ne: 1445-1530 Yenue: TT 311 ITsFEW ID TP18ENE100

Date	: 13.10.2018	
Time: 1445-1530		Technical Session – VIII
Venue: TT 312		Theme: Farming & Water
SI. No	ITsFEW ID	Paper Title, authors and affiliation
		Title: PROMISING ROLE OF POLYMERS IN AGRICULTURE
1.	TP18FAR020	Authors: Sindhuja Balasubramanian, Devasena Thiyagarajan
		Affiliation: Centre for Nanoscience and Technology, Anna University, Chennai 600025, Tamilnadu, India
		Title: DISPERSION OF BOD DO WITH NITRATES OF THERMAL POWER PLANT EFFLUENT IN MUMBAI CREEK
2.	TP18WAT014	Authors: Thinakaran E, Arumairaj P D, Manivanan R, Tejashree Kisan Shinde
		Affiliation:
		Title: BIOWASTE MATERIAL FOR DEFLUORIDATION OF WATER A STATISTICAL REVIEW
		Authors: Kiram Kumar K, Venkata Nadh Ratnakaram, Kaza Somasekhara Rao
3.	TP18WAT015	Affiliation: Department of Chemistry, KBN College, Vijayawada-520001, India
		GITAM University – Bengaluru Campus, Karnataka – 561203, India
		Department of Chemistry, Acharya Nagarjuna University, India
		Title: DESIGN OF A DOMESTIC DEFLURODISING UNIT
		Authors: Shaheda Parveen, Venkata Nadh Ratnakaram, Sireesha Malladi and Kiram Kumar K
4.	TP18WAT016	Affiliation: Department of Chemistry, Madurai Kamaraj University, Madurai-625021
		GITAM University – Bengaluru Campus, Karnataka – 561203, India
		Department of Science and Humanities, Division of Chemistry, VFSTR, Vadlamudi-522213, India Department of Chemistry, KBN College, Vijayawada-520001, India
		Title: KINETIC EQUILIBRIUM AND THERMODYNAMIC STUDIES ON REMOVAL OF DIVALENT CADMIUM FROM AQUEOUS
_		SOLUTIONS USING AGRO WASTE BIOMATERIALS
5.	TP18WAT017	Authors: Ramya Prasanthi Mokkapati, Venkata Nadh Ratnakaram, Jayasravanthi Mokkapati
		Affiliation: Department of Chemistry, ANUCET, Acharya Nagarjuna University, Guntur – 522510
	: 13.10.2018	Technical Session — IX
Time: 1545-1700		Theme: Energy & Environment
Venue: TT 311		
SI. No	ITsFEW ID	Paper Title, authors and affiliation
		Title: ENHANCED SECURITY USING RSA WITH CRT
1.	TP18ENE042	Authors: Govinda.K
		Affiliation: Vellore Institute of Technology, Vellore, Tamilnadu, India
_	TD1 05NF000	Title: PRODUCTION AND UTILIZATION OF SPIONS FOR BIOMEDICAL AND ENVIRONMENTAL REMEDIATION APPLICATIONS
2.	TP18ENE098	Authors: Sai Sahithya, P Durga Sruthi, Justin C, Raji P and Antony V Samrot
		Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and

		technology, Chennai
		Title: POWER CONSUMPTION MANAGER USING IOT
3.	TP18ENE047	Authors: Govinda K
		Affiliation: Vellore Institute of Technology, Vellore, Tamilnadu, India
		Title: OPTICAL ENERGY TRANSMISSION
4.	TP18ENE049	Authors: P. Jayanthi
		Affiliation: Department of Physics, Muthurangam Govt. Arts college, Vellore, TamilNadu, India-632002.
		Title: NETWORK FAULT TOLERANCE MECHANISM IN CLOUD ENVIRONMENT
5.	TP18ENE052	Authors: Govinda K
		Affiliation: Vellore Institute of Technology, Vellore,Tamilnadu, India
		Title: IMPLEMENTATION OF DRONE BASED APPROACH FOR EFFECTIVE GARBAGE MANAGEMENT
6.	TP18ENE055	Authors: Dr.M.Varun Kumar, D.Muralidhar, K.Rehana Thaslim
0.	IF TOLINLOSS	Affiliation: Assistant Professor, TIFAC-CORE, VIT University, Vellore, India.
		Web Developer, CTS, VIT University, Vellore, India.
		Title: MANUFACTURING AND DESIGN OF METHANOL SENSORS FOR THE SUSTAINABLE DMFC TECHNOLOGY
7.	TP18ENE058	Authors: Soundrapandian Muthuraja, Chittur Krishnaswmy Subramaniam
, ·		Affiliation: School of Electronics Engineering, VIT University, Vellore
		School of Advanced Sciences, VIT University, Vellore
		Title: WSN BASED SYSTEM FOR FOREST FIRE DETECTION AND MITIGATION
8.	TP18ENE062	Authors: Kotish Grover, Ditsha Kahali, Shreya Verma, Balaji Subramanian
	L	Affiliation: VIT, Vellore, India
	: 13.10.2018	Technical Session — X
	: 1545-1700	Theme: Farming & Water
SI. No	nue: TT 312 ITsFEW ID	Dura Tilla makan mada (filintina
31. IVO	IISFEW ID	Paper Title, authors and affiliation Title: REVIEW ON ORTHOGONAL DERIVATION IN RINGS
1.	TP18FAR021	Authors: Kotte Amaranadha Reddy, Katta Madhusudhan Reddy
1.	IF TOT AROZT	Affiliation: Vellore Institute of Technology, Vellore,
		Title: TECHNOLOGY BEFRIENDS FARMERS
2.	TP18FAR022	Authors: Saravanan Radhakrishnan, V. Vijayarajan
۷.	IF I OFARUZZ	Affiliation: School of Computer Science and Engineering, VIT University, Vellore, India
		Title: DEVELOPMENT OF BIO HYBRID TRACTOR FOR FARMING APPLICATIONS
3.	TP18FARO25	Authors: S Vinayak A. Modi, Intakhab Khan, Kannan C
٥.		Affiliation: School of Mechanical Engineering, Vellore Institute of Technology
	1	Attribution: School of Medianical Englineering, vehicle institute of Technology

		School of Electrical Engineering, Vellore Institute of Technology, Vellore, Tamilnadu, India – 632 014.
		Title: DESIGNING OF A BULK DISHWASHER FOR WATER CONSERVATION IN MEGA KITCHENS
4.	TP18WAT021	Authors: Vinayak A. Modi, Adheesh Shah, Boopathi M
		Affiliation: School of Mechanical Engineering, Vellore Institute of Technology, Vellore, Tamilnadu – 632 014
		Title: CANAL GATE AUTOMATION SYSTEM FOR SMART IRRIGATION USING MICROCONTROLLER
5.	TP18WAT022	Authors: Vijayaragavan R, Sakthivel S, Raman R
		Affiliation: St.Joseph's Institute of Technology, OMR, Chennai, India
		Title: COMPARATIVE STUDY OF BREAST CANCER DETECTION USING MACHINE LEARNING
6.	TP18FAR026	Authors: Prof. Swarnalatha P, Sreyam Dasgupta, Ronit Chaudhuri, Pritish Das
		Affiliation:
		Title: EVALUATION OF MODIFIED KOSTIAKOV PHILIP AND GREEN AMPT INFILTRATION MODELS FOR DIFFERENT SITES
		Authors: Aminul Islam, Akhtar Uz Zaman
7.	TP18WAT024	Affiliation: Department of Applied Engineering, Vignan's Foundation for Science, Technology and Research (Deemed to be
		University), Vadlamudi -522 213, India.
		School of Water Resources, Indian Institute of Technology Kharagpur, Kharagpur-721 302, India
		Title: MODELLING WATER RESOURCES IN THE ANCIENT INDUS VALLEY CITY OF DHOLAVIRA AND LESSONS LEARNT FOR
	TD10\4/4T001	EXTANT SCHEMES IN UPCOMING SMART CITIES IN INDIA
8.	TP18WAT031	Authors: Satyajit Ghosh, Sayan Chowdhury
		Affiliation: Vellore Institute of Technology, Vellore, Tamil-Nadu, India
Desta	14.10.2018	School of Earth and Environment, University of Leeds, U.K.
	: 0930-1045	Technical Session — XI
	nue: TT 311	Theme: Energy & Environment
SI. No	ITsFEW ID	Paper Title, authors and affiliation
	-	Title: IMAGE PROCESSING AS A RENAISSANCE TOOL IN LARVAE DETECTION AND TREATMENT
1.	TP18ENE065	Authors: P.Catherine Joyce, M.Dhanvarshini, Dr.V.Mohan;Dr.P.Shanmugapriya, Dr.R.Maheswari, Dr.L.Muruganandam
		Affiliation: Department of Electronics and Communication Engineering Saranathan College of Engineering, Trichy-12, India
		Title: HYBRID NANOCARRIERS DERIVED FROM PLANT LATEX FOR CURCUMIN DELIVERY – AN INVITRO STUDY
2.	TP18ENE101	Authors: Karanam Sai Bhavya, Sahiti K, Suvedhaa B, Stefi SM, Sharan M and Antony V Samrot
		Affiliation: Department of Biotechnology, Sathyabama Institute of Science and Technology, Rajiv Gandhi Salai, Chennai
		Title: OPTIMIZATION TECHNIQUE FOR SUPPLY AND DEMAND USING OPERATIONS RESEARCH STRATEGIES
3.	TP18ENE068	Authors: Govinda K
		Affiliation: Vellore Institute of Technology, Vellore, Tamilnadu, India

	TP18ENE070	Title: PMSG FC HYBRID POWER GENERATION SYSTEM
4.		Authors: Abrar Ahmad
		Affiliation: Department of Electrical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi-110025
5.		Title: INTELLIGENT CONTROLLER BASED POWER QUALITY IMPROVEMENT OF MICROGRID INTEGRATION OF PHOTOVOLTAIC
		POWER SYSTEM USING NEW CASCADE MULTILEVEL INVERTER
	TP18ENE073	Authors: Gaddala JayaRaju, Dr.Gudapati Sambasiva Rao
		Affiliation: Dept of EEE, UCET, Acharaya Nagarjuna University
		Associate Professor, Dept of EEE, R.VR & J.C., Guntur
		Title: HYBRID DESIGN MODEL FOR DETECTING CLASSIFYING AND LOCATING FAULTS IN POWER TRANSMISSION LINES
6.	TP18ENE076	Authors: V.Thiyagarajan, M. Venkateshkumar
0.	IF I DEINEU/ O	Affiliation: Dept of EEE, AVIT, Chennai
		Dept of Energy , VIT, Vellore
		Title: REDUCED ORDER MODEL OF INDUCTION MOTOR IN SYNCHRONOUSLY ROTATING REFERENCE FRAME
7.	TP18ENE077	Authors: Arun Shankar VK., UmashankarS., ParamasivamS.
/.	IF TOLINLO77	Affiliation: Department of Energy and Power Electronics, Vellore Institute of Technology (VIT), University, Vellore, Tamilnadu, India.
		Danfoss Industries Private Limited, Chennai, Tamilnadu, India.
		Title: DIRECT TORQUE CONTROL OF TRACTION INDUCTION MOTOR DRIVE USING PLECS
8.	TP18ENE078	Authors: Arun Shankar V.K., Umashankar S.
		Affiliation: Department of Energy and Power Electronics, Vellore Institute of Technology (VIT), University, Vellore, Tamilnadu, India.
	: 13.10.2018	Technical Session — XII
Time: 0930-1045		Theme: Farming & Water
Venue: TT 312		-
SI. No	ITsFEW ID	Paper Title, authors and affiliation
_		Title: THE ROLE OF SENSORS IN SMART AGRICULTURE
1.	TP18FAR027	Authors: Govinda.K
		Affiliation: Vellore Institute of Technology, Vellore, Tamilnadu, India
	TP18FAR028	Title: NOSQL DATABASES IN BIG DATA ENVIRONMENT
2.		Authors: Govinda.K
		Affiliation: Vellore Institute of Technology, Vellore,Tamilnadu, India
		Title: AUTONOMOUS DRONE
3.	TP18FAR029	Authors: Arjun Pardasani, Sashwata Banerjee, Vaibhav Garg, Pratham Nar, Shashank Amin
		Affiliation: Vellore Institute of Technology, Vellore,Tamilnadu, India
4.	TP18FAR047	Title: IOT BASED PESTS MONITOR AND CONTROL IN CROPS
		Authors: S.S.Nivetha , H.Kaviya , R.Amirthavarshini, N.Devaraj

		The state of the s		
		Affiliation: School students, Bharathidhasanar Matriculation Higher Secondary School ,Arakkonam, Technical Head,BCT Lab, Arakkonam		
		Title: SMART ROBOTIC DETECTION OF UNDERGROUND WATER IN URBAN AREAS		
5.	TP18WAT032			
5.	1716WA1032	Authors: Aravind.P.R, Arjun Raj.R, Atchaya.C, Rahul Krishnan		
		Affiliation: Rajalakshmi Institue of Technology, Chennai, India Title: EFFICIENT WASTEWATER TREATMENT PLANT		
6.	TP18WAT033	Authors: Sachin Anand G, Hirthiik Mahen M		
0.	11 10 VV A1033	Affiliation: Vellore Institute of Technology ,Vellore		
		Title: WATER CONSERVATION IN INDIA AN INSTITUTIONAL PRESPECTIVE		
7.	TP18WAT034	Authors: Gunturu Mary Ratna Grace		
,.	11 10 117 11004	Affiliation:		
		Title: HYPER SPECTRAL IMAGE CLASSIFICATION USING PROBABILISTIC PCA FOR REMOTE SENSING APPLICATIONS		
8.	TP18FAR032	Authors: Radhesyam Vaddi; M Prabukumar		
		Affiliation: School of Information Technology Engineering (SITE), VIT University Vellore-632014, India		
Date	: 14.10.2018	Technical Session — XIII		
Time: 1100-1215		Theme: Energy & Environment		
Venue: TT 311				
Ve SI. No	nue: TT 311 ITsFEW ID	Paper Title, authors and affiliation		
Sl. No		Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G		
	ITsFEW ID	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and		
Sl. No	ITsFEW ID	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G		
Sl. No	ITsFEW ID	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and		
SI. No	TP18ENE102	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai		
Sl. No	ITsFEW ID	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE		
SI. No	TP18ENE102	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE Authors: Ranganatha Chakravarthy H S, Sai Charan Bharadwaj, Umashankar. S, Sanjeevikumar P Affiliation: Dept. of Energy & Power Electronics, VIT University Vellore, India Dept. of Energy & Technology, Aalborg University Aalborg, Denmark		
SI. No	TP18ENE102	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE Authors: Ranganatha Chakravarthy H S, Sai Charan Bharadwaj, Umashankar. S, Sanjeevikumar P Affiliation: Dept. of Energy & Power Electronics, VIT University Vellore, India		
SI. No	TP18ENE102	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE Authors: Ranganatha Chakravarthy H S, Sai Charan Bharadwaj, Umashankar. S, Sanjeevikumar P Affiliation: Dept. of Energy & Power Electronics, VIT University Vellore, India Dept. of Energy & Technology, Aalborg University Aalborg, Denmark		
\$l. No 1.	TP18ENE102 TP18ENE082	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE Authors: Ranganatha Chakravarthy H S, Sai Charan Bharadwaj, Umashankar. S, Sanjeevikumar P Affiliation: Dept. of Energy & Power Electronics, VIT University Vellore, India Dept. of Energy & Technology, Aalborg University Aalborg, Denmark Title: SMART HEALTH ASSIST FOR ELDER PEOPLE USING IOT Authors: Bharathwaj R, Bhuvanesh L, Amirtha Ganesan R, Rahul Krishnan Affiliation: Rajalakshmi Institue of Technology, Chennai, India		
\$l. No 1.	TP18ENE102 TP18ENE082	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE Authors: Ranganatha Chakravarthy H S, Sai Charan Bharadwaj, Umashankar. S, Sanjeevikumar P Affiliation: Dept. of Energy & Power Electronics, VIT University Vellore, India Dept. of Energy & Technology, Aalborg University Aalborg, Denmark Title: SMART HEALTH ASSIST FOR ELDER PEOPLE USING IOT Authors: Bharathwaj R, Bhuvanesh L, Amirtha Ganesan R, Rahul Krishnan		
\$I. No 1.	TP18ENE102 TP18ENE082	Paper Title, authors and affiliation Title: ISOLATION, PURIFICATIONOF CHITOSANASE OF Bacillus spAND ITS APPLICATIONS IN NANOPARTICLES SYNTHESIS Authors: Shobana N, Antony V Samrot and Narendrakumar G Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Chennai Title: IDENTIFICATION OF SLUDGE IN WATER PUMPING SYSTEM USING SUPPORT VECTOR MACHINE Authors: Ranganatha Chakravarthy H S, Sai Charan Bharadwaj, Umashankar. S, Sanjeevikumar P Affiliation: Dept. of Energy & Power Electronics, VIT University Vellore, India Dept. of Energy & Technology, Aalborg University Aalborg, Denmark Title: SMART HEALTH ASSIST FOR ELDER PEOPLE USING IOT Authors: Bharathwaj R, Bhuvanesh L, Amirtha Ganesan R, Rahul Krishnan Affiliation: Rajalakshmi Institue of Technology, Chennai, India		

		Title: ON ROAD DATA ACQUISITION SYSTEM
5.	TP18ENE089	Authors: Kannan G, Lokesh R, Kunal Rathore, Dr G.Nirmala Priya
		Affiliation: Rajalakshmi Institute of Technology, Chennai, India
		Title: A FRAMEWORK FOR EFFICIENT DECISION TREE USING SPECIFIC LEARNING APPROACHES
6.	TP18ENE090	Authors: Mohammed Moulana
		Affiliation: Dept. of Electronics and Computer Engineering, KLEF University, India.
		Title: MULTIPHYSICS MODELING AND OPTIMIZATION OF GAS FLOW CHARACTERISTICS IN A NOVEL FLOW METRIC BASED GAS
		SENSING CHAMBER WITH INTEGRATED HEATER
7.	TP18ENE092	Authors: Govardhan K, A. Nirmala Grace
		Affiliation: School of Electronics Engineering, VIT University
		Center for Nanotechnology Research, VIT University
		Title: COMPARATIVE STUDY OF CAVITATION PROBLEM DETECTION IN PUMPING SYSTEM USING SVM AND K NEAREST
		NEIGHBOUR METHOD
8.	TP18ENE081	Authors: Nabanita Dutta, Umashankar.S, Sanjeevikumar P
		Affiliation: Department of Energy and Power Electronics, VIT University Vellore-632014, India; Department of Energy Technology,
		Aalborg University, Esbjerg, Denmark; School of Engineering, Taylor university
	: 14.10.2018	Technical Session — XIV
Time	: 1100-1215	Technical Session — XIV Theme: Farmina & Water
Time Ve	: 1100-1215 nue: TT 312	Theme: Farming & Water
Time	: 1100-1215	Theme: Farming & Water Paper Title, authors and affiliation
Time Ve	: 1100-1215 nue: TT 312	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE
Time Ve	: 1100-1215 nue: TT 312	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh
Time Vei Sl. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam
Time Vei Sl. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam
Time Ver SI. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY
Time Vei Sl. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY Authors: L N P Boggavarapu, M Prabukumar
Time Ver SI. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY
Time Ver SI. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY Authors: L N P Boggavarapu, M Prabukumar Affiliation: School of Information Technology Engineering (SITE), VIT University, Vellore-632-014, India
Time Ver SI. No	: 1100-1215 nue: TT 312 ITsFEW ID	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY Authors: L N P Boggavarapu, M Prabukumar Affiliation: School of Information Technology Engineering (SITE), VIT University, Vellore-632-014, India Department of Information Technology, V. R. Siddhartha Engineering College, Vijayawada
Time Vei SI. No	: 1100-1215 nue: TT 312 ITsFEW ID TP18FAR046 TP18FAR035	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY Authors: L N P Boggavarapu, M Prabukumar Affiliation: School of Information Technology Engineering (SITE), VIT University, Vellore-632-014, India Department of Information Technology, V. R. Siddhartha Engineering College, Vijayawada Title: FARMERS QUERY SOLUTION THROUGH SPEECH RECOGNITION AND ARTIFICIAL INTELLIGENCE
Time Vei SI. No	: 1100-1215 nue: TT 312 ITsFEW ID TP18FAR046 TP18FAR035	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY Authors: L N P Boggavarapu, M Prabukumar Affiliation: School of Information Technology Engineering (SITE), VIT University, Vellore-632-014, India Department of Information Technology, V. R. Siddhartha Engineering College, Vijayawada Title: FARMERS QUERY SOLUTION THROUGH SPEECH RECOGNITION AND ARTIFICIAL INTELLIGENCE Authors: Khedekar Vilas, Gujar Sanket, Godse Pratikha, Lokhande Abhijit, Patil Gunjan
Time Vei SI. No	: 1100-1215 nue: TT 312 ITsFEW ID TP18FAR046 TP18FAR035	Theme: Farming & Water Paper Title, authors and affiliation Title: IOT BASED MONITORING AND CONTROL IN AGRICULTURE Authors: J.Bharanivelan , T.Aravind, & Sundarasan & R.Dinesh Affiliation: School students, Bharathidhasanar Matriculation Higher Sec School, Arakkonam Technical Coordinator, BCT Lab, Arakkonam Title: ALBEDO COMPONENT BASED CLASSIFICATION OF HYPERSPECTRAL REMOTE SENSING IMAGERY Authors: L N P Boggavarapu, M Prabukumar Affiliation: School of Information Technology Engineering (SITE), VIT University, Vellore-632-014, India Department of Information Technology, V. R. Siddhartha Engineering College, Vijayawada Title: FARMERS QUERY SOLUTION THROUGH SPEECH RECOGNITION AND ARTIFICIAL INTELLIGENCE Authors: Khedekar Vilas,Gujar Sanket, Godse Pratikha, Lokhande Abhijit, Patil Gunjan Affiliation: SPPU, Pune, India; VIT, Vellore, India,

5.		Title: CASE STUDIES ON THE UTILIZATION OF GEOSPATIAL INFORMATION TECHNOLOGY FOR SUSTAINABLE AGRICULTURE
	TP18FAR042	Authors: K. Ravi Chandra Charyulu, Mukkala Pradeep Kumar, N. Uma Maheshwara Reddy, Sirisha Adamala
	11 101 71042	Affiliation: Department of Applied Engineering, Vignan's Foundation for Science, Technology and Research (VFSTR), Vadlamudi-
		522213, India ; ICAR-NAARM, Rajendranagar, Hyderabad-500030, India
	TP18FARO44	Title: NANO TECHNOLOGICAL TRENDS IN AGRICLUTURE AND AGRICULTURE SUSTAINABILITY
6.		Authors: Manasa Gayathri Satyasri Sulapu
		Affiliation:
		Title: TREATMENT OF QUARRY WASTEWATER USING VETIVER SYSTEM
7.	TP18WAT035	Authors: Mini Mathew, Jyothy Mathew, Neeraj. R, Nisna Mariya Shaji, Tony Martin
		Affiliation: Amal Jyothi College of Engineering, Kanjirapally, Kerala, India
		Title: UNDERGROUND WATER PARK
8.	TP18WAT036	Authors: Rakshith V, Pranav B
		Affiliation: RAJALAKSHMI ENGINEERING COLLEGE, ANNA UNIVERSITY
	: 14.10.2018	Technical Session - XV
	e: 1215-1300	Theme: Energy & Environment
	nue: TT 311	
Sl. No ITsFEW ID Paper Title, authors and affiliation		
		Title: A STUDY ON IMPACTS OF NANOPARTICLES ON PLANT GROWTH
	TP18ENE104	Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and
1.	TP18ENE104	Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and Bhasyam Praneetha
1.	TP18ENE104	Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and Bhasyam Praneetha Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and
1.	TP18ENE104	Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and Bhasyam Praneetha Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai
		Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and Bhasyam Praneetha Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai Title: SECURING SMART METER DATA USING TINY ENCRYPTION ALGORITHM
2.	TP18ENE104	Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and Bhasyam Praneetha Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai Title: SECURING SMART METER DATA USING TINY ENCRYPTION ALGORITHM Authors: K.Govinda
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3.	TP18ENE034 TP18ENE046	Authors: Jenifer Selvarani A, Lavanya Y, Venket Subbu R, Sherly Priyanka R B, Soundarya P, Sangeetha P, Shehanaz Afreen R and Bhasyam Praneetha Affiliation: Department of Biotechnology, School of Bio and Chemical Engineering, Sathyabama Institute of Science and Technology, Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai Title: SECURING SMART METER DATA USING TINY ENCRYPTION ALGORITHM Authors: K.Govinda Affiliation: Vellore Institute of Technology, Vellore, Tamilnadu, India Title: SIMULTANEOUS SACCHARIFICATION AND FERMENTATION FOR PRODUCTION OF ETHANOL FROM WATER MELON WASTE Authors: Venkata Nadh Ratnakaram, C.G.Prakasa Rao, Satya Sree Affiliation: GITAM University – Bengaluru Campus, Karnataka – 561203, India Department of Biotechnology, SKD University, Anantapur-515003, India Department of Chemistry, VFSTR, Vadlamudi-522213, India Title: FACE RECOGNITION USING PRINCIPAL COMPONENT ANALYSIS AND EIGEN FACE

Date: 14.10.2018		Technical Session – XVI		
Time: 1215-1300		Theme: Farming & Water		
Venue: TT 312				
SI. No	ITsFEW ID	Paper Title, authors and affiliation		
		Title: PURIFICATION, CHARACTERIZATION AND APPLICATION OF POLYSACCHARIDE OF GUM FROM ARAUCARIA		
	TP18ENE103	HETEROPHYLLA		
1.		Authors: Lavanya Agnes Angalene. J, Roshini S.M and Balugram Bhargavi		
		Affiliation: Department of Biotechnology, School of Bio and chemical Engineering, Sathyabama Institute of Science and Technology,		
		Tamil Nadu, India		
		Title STUDY OF LIGHT WEIGHT MORTAR BY REPLACING CEMENT AND AGGREGATES WITH ADMIXTURES		
2.	TP18ENE033	Authors: Rajat Gupta, Pankaj Sharma, Hritik S Kothari, Kshethra Pradeep, A.Sofi		
		Affiliation: Department of Structural and Geotechnical, School of Civil Engineering, VIT, Vellore.		
		Title: ADVANCED IRRIGATION SYSTEM FOR FARMERS USING INTERNET OF THINGS		
3.	TP18FAR033	Authors: Raunak Singhania, Shivanshu Mahim		
		Affiliation: School of Electrical Engineering, Vellore Institute of Technology, Vellore 632 014, India		
		Title: PADDY PHENOLOGICAL PARAMETERS IDENTIFICATION USING REMOTE SENSING APPROACH		
4.	TP18FAR030	Authors: Kotte Palakuru Mahesh, Kiran Yarrakula		
		Affiliation: Center for disaster mitigation and management, Vellore Institute of Technology, Vellore, 632014, Tamilnadu, India		

CONTACT DETAILS

Convenors

• Prof.R.Vasudevan	9500027238
• Prof.S.Babu	9790166084
• Prof.V.Santhi	9688138634

Hospitality and Transport

•	Prof.	Κ.	Palanisamy	9894718720
•	Prof.	Α.	Sivakumar	9483210107

Reception

•	Prof.	R.	Vidya	9442385785
•	Prof.	P.	Alli	9486310913