



# SCIENTIA

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DEPARTMENT OF BASIC SCIENCES AND HUMANITIES

RAJAGIRI SCHOOL OF ENGINEERING & TECHNOLOGY, RAJAGIRI VALLEY ROAD, RAJAGIRI VALLEY P.O., KAKKANAD - 682039, KERALA

## EVENTS ORGANISED BY THE DEPARTMENT



**WORKSHOP ON TOPOLOGY: Resource persons : Dr. K.D Joshy, Retd. Professor, IIT Mumbai and**

**Dr. Vinod Kumar P.B, RSET**

➤ **Organized by RSET : Department of Basic Sciences and Humanities and Centre for Topology and Applications on 30<sup>th</sup> January 2019.**

Around hundred and fifty faculty members and research scholars from different institutions participated in the workshop.



## **POSTER COMPETITION ON CURRENT INNOVATIONS**

The Physics wing of our department on a regular basis conducts a poster competition to motivate the first year students and to update them on the latest innovations in various domains. The competition is conducted at DBSH staffroom corridor, during the tea-break session.

## **CONFERENCE, SEMINARS AND WORKSHOP ATTENDED**

- Dr. –Ing. Varghese Panthaloorkaran attended EDUCON2019 – IEEE Global Engineering Education Conference organised by American University in Dubai (AUD), Dubai, UAE, held from 09 / 04 / 2019 to 11 / 04 / 2019.
- Ms. Radhika Das attended Albertian Knowledge Summit: An International Conference on Multidisciplinary Research organised by St. Albert's College (Autonomous), Ernakulam, held on 19th January 2019.
- Ms. Maria Poullose attended Albertian Knowledge Summit: An International Conference on Multidisciplinary Research organised by St. Albert's College (Autonomous), Ernakulam, held on 19th January 2019.
- Ms. Reya Kuruvila attended Albertian Knowledge Summit: An International Conference on Multidisciplinary Research organised by St. Albert's College (Autonomous), Ernakulam, held on 19th January 2019.
- Mr. Binu R attended the 3<sup>rd</sup> International Conference on Science, Engineering and Technology (ICSETS – 2019) organised by Department of Mathematics, K.E College, Mannanam, Kottayam, held from 11 / 03 / 2019 to 12 / 03 / 2019.
- Ms. Deepthi Jayan K attended the International Conference on Advanced Materials organised by Department of Physics, Nirmalagiri College, Kannur, Kerala, held from 12<sup>th</sup> to 14<sup>th</sup> June 2019.

## **FACULTY AS RESOURCE PERSON**

- Dr. Rinku Jacob participated as Resource Person (to conduct hands-on session on Nonlinear Time Series Analysis & Recurrence Plots) in the conference on Data Analysis and Machine Learning (DAML) 2019 organised by Inter University Centre for Astronomy and Astrophysics



(IUCAA), pune, together with “Indian Institute of Science Education and Research (IISER), Tirupati, held from 24th May 2019 to 27th May 2019.

- Dr. Vinod Kumar P B delivered a talk on “Introduction to topology”, as a part of one day workshop on Topology organised by Department of Basic Sciences & Humanities and Centre for Topology and Applications (CETA), RSET, on 30<sup>th</sup> January 2019.

## PAPERS PUBLISHED

- Dr. Rinku Jacob published a paper on “Weighted recurrence networks for the analysis of time-series data” in the Proceedings of Royal Society A, Volume 475, Issue 2221, Page 2018.0256, January 2019.
- Ms. Anju C published a paper “Ternary doped polyaniline-metal nanocomposite as high performance supercapacitive material”, in the Electrochimica Acta, Volume 299, Pages 626-635, January 2019.

## PAPERS PRESENTED

- Dr. –Ing. Varghese Panthalookaran presented a paper on “Development of an Educational Ecosystem that Supports Engineering Research “in the EDUCON2019 – IEEE Global Engineering Education Conference organised by American University in Dubai (AUD), Dubai, UAE, held from 9<sup>th</sup> to 11<sup>th</sup> April 2019.
- Mr. Binu R presented a paper on “Weighted similarity measure using Pseudo metric in Neutrosophic decision making environment” in the 3rd International Conference on Science, Engineering and Technology (ICSETS – 2019) organised by Department of Mathematics, K.E College, Mannanam, Kottayam, held from 11<sup>th</sup> to 12<sup>th</sup> March 2019.
- Ms. Deepthi Jayan K presented a paper on “A Review on Computational Modelling of Individual Device Components and Interfaces of Perovskite Solar Cells Using DFT” in the International Conference on Advanced Materials organised by Department of Physics, Nirmalagiri College, Kannur, Kerala, held from 12<sup>th</sup> to 14<sup>th</sup> June 2019.



## SOCIAL ACTIVITIES

- The NSS unit of Rajagiri School of Engineering and Technology went for an outreach program on 23<sup>rd</sup> February 2019 (Saturday) to Lakshum colony Angenvadi.



- The students of NSS organized a stall as part of Abhiyathriki 2k19 and stall included handmade crafts and cloth bags which were kept for sale (March 15<sup>th</sup> & 16<sup>th</sup> 2019).
- On sports day (30<sup>th</sup> March 2019) NSS volunteers made a stall to distribute lime and fresh water to the sports participants which was on a hot summer day.
- On April 14<sup>th</sup>, 2019, NSS Technical cell developed a Blood Bank Unit.
- The three day state camp named JAGRATHA 2019 State Wide Disaster Management Workshop organized by NSS technical cell held at College of Engineering, Aranmula from April 5-7 2019. The main aim of this camp was to train the NSS volunteers for disaster management and trauma care.
- The NSS unit participated in a district level competition for voters participation and election awareness campaign held at DH ground, Ernakulam on April 12<sup>th</sup> 2018. The unit bagged 2<sup>nd</sup> prize for the same, a cash prize of Rs. 4,500 and a chance for scuba diving.
- Kerala Social Impact Challenge 2019 Project Competition for Identification of Socially Relevant Projects was conducted at Adi Shankara Institute of science and technology Kalady on 13<sup>th</sup> May 2019. Our unit scrutinised the B.Tech final year projects and came up with detachable module for Wheel chair, so as to automate the wheel chair to be cheaply mechanised with battery power.



## PHYSICAL EDUCATION & SPORTS

### RSET Teams at Invitational Tournaments

SL. No.	Team	Section	Name of the Competition & Venue	Position	Month & Year
1.	Basketball	Women	Muthoot Trophy Inter Collegiate Basketball at MITS ,Varikoli	Winner	February 2019
2.	Football	Men	KMEA Trophy All Kerala Inter Engineering Football Tournament at KMEA ,Edathala	Runner Up	March 2019
3.	Basketball	Women	Arena 2019- All Kerala Inter Collegiate Basketball Tournament Organized by AJCET-Kanjirapally	Runner Up	March 2019

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