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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**

FACULTY ACHIEVEMENTS

Dr. Rinku Jacob has been selected as one of the Visiting Associates of Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune, for a period of 3 years, starting from 1st August 2019.

EVENTS ORGANISED BY THE DEPARTMENT

- **POSTER COMPETITION ON CURRENT INNOVATIONS IN PHYSICS**

The Physics wing of our department on a regular basis conducts a poster competition to motivate the students and to update them on the latest innovations in the domain of physics. The competition is conducted in the corridor in front of the DBSH staffroom (1st floor), during the forenoon tea-break. Students actively participate and enter into vibrant discussions which make the sessions more interesting.

- **TWO –DAY WORKSHOP**

The department organised a two-day workshop on “**Topology and Topological Data Analysis**” from 25th October 2019 to 26th October 2019. Dr. Amit Chatopadyaya, IISC, Bangalore and Dr. Vinod Kumar P. B., RSET were the resource persons.



CONFERENCE, SEMINARS AND WORKSHOPS ATTENDED

- ❖ **Mr. Jose Antony V. J.** attended a workshop on “Materials Modelling Using Quantum Espresso – Theory and Practice for Beginners” organised by Department of Physics, Government College for Women (Autonomous), Kumbakonam, held from 29th July 2019 to 30th July 2019.

FACULTY AS RESOURCE PERSON

- ❖ **Mr. Vinay Menon** was the resource person at the “Stand-up comedy for Dramatics, Literary and Debating Club” organised by Department of English, The Cochin College, Kochi, held on 10th July 2019.
- ❖ **Dr. Vinod Kumar P. B.** delivered a talk on “Topology and Applications”, at the National conference organized by PSGR Krishnammal College for Women, Coimbatore on 8th September 2019.
- ❖ **Mr. Ragin Ramdas M.** delivered a talk on “Evaluation of shape memory properties of organic – inorganic hybrid polytriazoles” at the Indian Analytical Science Congress 2019, Trivandrum, held from 19th September 2019 to 21st September 2019.
- ❖ **Dr. Vinod Kumar P. B.** delivered a talk on “From Fractals to Random Fractals”, as part of the workshop organized by Maharaja’s College, Ernakulam on 21st November 2019
- ❖ **Dr. Vinod Kumar P. B.** delivered a talk on “NBA accreditation – Why? How? and When?”, at Christ College of Engineering, Irinjalakuda on 10th December 2019.



- ❖ **Dr. Vinod Kumar P. B.** delivered a talk on “Topology and Graphs”, as part of the National Seminar organized by KKTU Govt. College, Kollam on 17th December 2019.
- ❖ **Dr. Vinod Kumar P. B.** delivered a talk on “Some recent advancements in Mathematics research” as part of the seminar organized by St. Aloysius College, Edathua on 18th December 2019.
- ❖ **Dr. Sonia Paul** was the resource person for the sessions on 'Perspectives of Professional Ethics' and 'Case Studies on Professional Ethics' at NITTTR FDP on Developing Professional Ethics & Values (December 30, 2019-January 4, 2020), at Government Polytechnic College, Kalamassery.

PAPERS PUBLISHED

- ❖ **Ms. Anju C.** published a paper on “Enhanced Dielectric Performance of Polyaniline-Binary Transition Metal Composites” in the Journal of Electronic Materials, Volume 48, Issue 10, pages 6710 – 6715, October 2019.
- ❖ **Ms. Deepthi Jayan K.** published a paper on “A review on computational modelling of individual device components and interfaces of perovskite solar cells using DFT” in the journal AIP Conference Proceedings, Issue 2162, 020036, 29 October 2019.

PHYSICAL EDUCATION & SPORTS

- ❖ RSET Badminton teams bagged the APJAKTU D Zone Badminton Championship held at MA College of Engineering, Kothamangalam. Our Women’s team won the Championship and Men’s team secured the Runner Up position.
- ❖ RSET Volleyball teams (Men & Women) secured 2nd Runner Up in APJAKTU D Zone Volleyball Championship held at M. A. College of Engineering from 27th September to 28th September 2019.
- ❖ RSET Tennis (Men) team secured 2nd Runner Up in APJAKTU Inter Zone Tennis Championship held at TKM College of Engineering, Kollam on 10th October 2019.
- ❖ APJAKTU D Zone Chess (Men & Women) Championship conducted on 20/10/2019 at Chavara Hall from 9 AM to 6 PM .International FIDE Arbiter Sri. Jissmon Mathew officiated the championship. RSET Women’s Chess team won the Championship and Men’s team secured 2nd Runner Up position in the same.
- ❖ RSET Cricket team secured the Runner Up trophy in the APJAKTU Inter Zone Cricket Championship held at RSET Cricket Ground from 16-20 Nov.2019.



- ❖ **Ms. Sinu Jacob** selected as the team manager of KTU chess (women) team, which participated in the south zone inter university chess championship held at Acharya Nagarjuna University, Gundur-Andra Pradesh in November 2019.
- ❖ RSET Football team won the APJAKTU Inter Zone Football Championship held at TKM College of Engineering –Kollam, on 26th November 2019. Three of the students from RSET selected to the Kerala Technological University team for the south zone inter university football tournament.

NEW APPOINTMENTS

Ms. Eva Cherian completed her Masters in Mathematics with the sixth rank from Cochin University of Science and Technology in 2019. She qualified NET in December 2017 and GATE in 2019. She joined Rajagiri School of Engineering and Technology as Assistant Professor in Mathematics under the Department of Basic Sciences & Humanities in July 2019.

Ms. Neethu George completed graduation (2010-2013) and Post-graduation (2013-2015) in Economics from St. Paul's College, Kalamassery (M.G University). She pursued M. Phil in Economics at Sacred Heart College (Autonomous) Thevara (M.G University) during the year of 2015-2016. Her area of specialization was on Environmental Economics. She started her teaching career as a Lecturer at Christ College of Science and Management, Alambady, Karnataka in 2017. After a two year stint in that college, in July 2019 she joined Rajagiri School of Engineering and Technology as Assistant Professor in Economics under the Department of Basic Sciences & Humanities.
