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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. Vinod Kumar P B's research scholar, Fr. Vincent N S was awarded PhD in Mathematics from Christ University, Bengaluru in March 2018.

Dr. Shibu P.P, Deputy Director in Physical Education nominated to the protest committee member of APJAKTU D Zone Inter Collegiate Competitions for the year 2018-2019.

Rejeesh T. Chacko, Asst.Professor in Physical Education nominated as APJAKTU team Selector for Basketball (women) during the year 2018-2019

Rejeesh T. Chacko, Asst.Professor in Physical Education nominated as APJAKTU team Selector for Football (men) during the year 2018-2019.

Rejeesh T. Chacko, Asst.Professor in Physical Education assigned as the coach of APJKTU Football (men) team for the south zone inter university Football Championship held at Pondicherry University in the year 2018-19 .

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 physics. The competition is conducted at DBSH staffroom corridor, during the tea-break session. Students actively participate and enter into vibrant discussions which make the sessions more interesting.



- **ONE –DAY WORKSHOP**

The department organised a one-day workshop on “Graph Theory” at RSET on 27-June-2018. Around hundred faculty members from different institutions participated in the workshop.

- **MATHEMATICS CLUB DAY**

The department celebrated the Mathematics club day by organizing an all Kerala quiz competition for School and College students on 31st Jan 2018. The competitions organised were paper folding, Game Ur Math, Math Challenge and All Kerala Intercollegiate Quiz Competition. Students from various schools and colleges around Rajagiri actively participated in the competitions. The details of the winners are listed below:

Paper Folding

1. 1st Prize – Bhavans Adarsha Vidyalaya
2. 2nd Prize- Global Public School
3. 3rd Prize – KMEA Engg College
3. 3rd Prize – Saraswathy Vidyaniketan Public School

Game Ur Math

1. 1st Prize – Bhavans Adarsha Vidyalaya
2. 2nd Prize- Rajagiri Christu Jayanthi Public School
3. 3rd Prize – Bhavans Adarsha Vidyalaya

Math Challenge

1. 1st Prize- Global Public School
2. 2nd Prize – Bhavans Vidyamandir
3. 3rd Prize – Bhavans Adarsha Vidyalaya

All Kerala Intercollegiate Quiz Competition

1. 1st Prize – SH College, Thevara
2. 2nd Prize- CUSAT





INTERNATIONAL YOGA DAY: Jointly organized by the National Service Scheme Unit of RSET and the Physical Education wing of our department. Students from M.Tech & B.Tech along with staff members performed yoga between 6.30 am to 8.30 am at ChavaraHall. The programme was inaugurated by Dr.Shibu P.P, Deputy Director of Physical Education. The yoga session was led by Yogachariyan Kannan P. Hariharan. The session included an awareness talk, breathing exercises, asanas, suryanamaskar and meditation.

CONFERENCE, SEMINARS AND WORKSHOP ATTENDED

Ms. Anju C attended the 16th Prof. K V Thomas Endowment National Workshop on “Sustainable Energy Storage and Conversion” organised by Department of Chemistry, Sacred Hearts College, Thevara and Co-Sponsored by ANERT & KSCSTE Thiruvananthapuram, held from 15th to 16th Jan, 2018.

Mr. Binu.R attended the National Seminar on Graph Theory and its applications organised by Dept.of Mathematics, Bharata Mata College, Thrikkakara Dept.of Mathematics, Bharata Mata College, Thrikkakara, on 16th and 17th Feb, 2018.

Ms.Deepthi Jayan participated in the two day national Seminar on “Contemporary Trends in Physics Research” organised by Department of physics, kannur University held on 19th and 20th march 2018.

Ms.Deepthi Jayan participated in the national Seminar on “Advanced materials” organised by School of Chemical Sciences- Swami Anantha Theertha Campus, Payyanur, Kannur University held on 15th and 16th march 2018. She also participated in the two day National seminar on “Tourism, Environment and Sustainable Development” organised by the Dept.of Geography, Kannur University on March 22nd and 23rd 2018.

Ms.Lakshmi.C attended the International Seminar on “Words, Visuals & Beyond : Mediatization of Narrative Spaces organised by Post Graduate Dept.of English, Bharata Mata College,Thrikkakara on 23rd Feb, 2018.

Dr. Ramkumar P B attended a workshop on ‘AICTE Approval processes’ on January 19 at S. N. G. C. E Kadayiruppu organized by AICTE.

Ms. Reya Kuruvila participated in the UGC sponsored International Workshop and Seminar on “Stochastic Modelling Analysis and Applications” organised by Centre for Research in Mathematics, Dept. of mathematics, CMS College, Kottayam from January 9th to 11th, 2018.



Dr. Ramkumar P. B. attended an international conference on “Recent trends in Graph theory and Combinatorics” at CUSAT on April 27-29, 2018.

Dr. Ramkumar P. B. attended an International conference on Science and Technology at CUSAT on April 23-25, 2018.

Mr. Rejeesh T.Chacko,Asst.Professor in Physical Education Participated the Two day National Seminar on “*A Life of Wellness ,Food Habits and Yoga in Vogue*” Organized by Directorate of Collegiate Education,Govt.of Kerala at Govt.College ,Tripunithura from 11th to 12th January 2018.

FACULTY AS RESOURCE PERSON

Mr. Rejeesh Chacko delivered a talk on “A Life of wellness, Food habits and Yoga in vogue”, at Dept. of Physical Education, Govt.College, Tripunithura, on 11th &12th Jan,2018

Dr. Vinod Kumar P B delivered a talk on “Discrete Dynamical systems and chaos”, as a part of STTP “Dynamical Systems and Chaos Theory” organised by Department of Mathematics, College of Engineering, Trivandrum, Sponsored by Directorate of Technical Education, Govt. of Kerala, on 4th, 5th and 6th Jan,2018. He delivered a talk on “Foundations of Mathematics” at a Regional seminar on “Fundamentals of Mathematics” organised by Baseliious College, Kottayam on 10th Jan, 2018. He also delivered a talk on “What is Topological Dynamics?” at UGC sponsored National Seminar organised by M.A. College, Kothamangalam, on 5th March 2018. He gave a talk on “Topological Dynamicc”, at UGC-HRDC Special Summer Refresher Course organised by Kannur University on 7th March 2018. On the next day he delivered a talk on “Iterated Function systems” as a part of the same refresher course.

Dr. Ramkumar P B delivered a talk on Current trends in Mathematics at Al Ameen College, Edathala, on 14th March 2018, as a part of pi day celebrations.

FDP ATTENDED

Mr.Shyam Suder Iyer attended a three day FDP ON Design and Engineering organised by Dept. of Applied Electronics & Instrumentation, RSET for College teachers on 29th Jan, 1st and 2nd Feb, 2018.



PAPERS PUBLISHED

Mr. Abraham Jacob , Ramkumar P.B published a paper on “Morphology on Intuitionistic Fuzzy soft graph” in the International journal of advanced research trends in engineering and technology, Volume 5, special issue 12, April 2018.

Ms. Jaya Abraham published a paper “Properties of Hexagonal Tile local and XYZ-local Series”, in the International Journal of Applied Engineering Research, 13, 2018. She also published a paper “Some Properties of Unambiguously Hexagonal Tiling Recognizable Picture Languages” in the International Journal of Mathematics Trends and Technology, Vol 56, Issue 8-April 2018.

Ms. Jaya Abraham published a paper on “Characterizations of Hexagonal recognizable picture series” in Journal of Global Research in mathematical Archives, Vol 5, No 5, May 2018.

Dr.Ramkumar.P.B published a paper on “Algebra of Morphological Dialation on Intuitionistic Fuzzy Hyper graphs” in the International Journal of Scientific Research in Science, Engineering and technology (IJSRSET), on 17th Jan 2018.

Rejeesh T Chacko,Asst.Professor in Physical Education Published a Paper on “ *An Impact of Different Intensity of Strength training program on Speed Performance among college men Soccer Players* “in INTERNATIONAL JOURNAL OF SCIENTIFIC RESEARCH - Volume 07 ,Issue 01 January 2018.[ISSN No.2277-8179].

Mr. Shyam Sunder Iyer and M. Jathavedan published a paper “NUMERICAL STUDY OF THE EFFECT OF VISCOSITY ON KELVIN-HELMHOLTZ INSTABILITY” in the Advances and Applications in Fluid Mechanics, Vol 21, No 4, 2018.

PAPERS PRESENTED

Rejeesh T.Chacko,Asst.Professor in Physical Education Presented a Paper entitled “*Effect of Combined Asana Pranayama Practice and SAQ Training on VO2 Max of College Soccer Players* “ in two day National Conference on Yoga for World Peace conducted by Sri Ramakrishna Mission Vidhyalaya,Maruthi College of Physical Education,Coimbatore from 26th to 27th February 2018.



Rejeesh T.Chacko, Asst.Professor in Physical Education Presented a Paper on “*Effect of Plyometric Training and Weight Training Program on Leg Strength and Explosive Power among Women Volleyball Players*” in the “International Conference on Sports Vision and Mission for Grooming Athletes and Para Athletes for Olympics -2020”, Organized by Alagappa University College of Physical Education and Para Sports Centre, Karaikudi-Tamilnadu from 16th to 17th March 2018.

Rejeesh T.Chacko,Asst.Professor in Physical Education Presented a Paper on “ *Effect of Physical Education Combined Asana Pranayama Practice and SAQ Training on VO2 Max of College Soccer Players*”, in the Two Day International Conference on “ Curriculum and Instructional Designing for Global Education, Organized by Department of Education,Alagappa University ,Karaikudi-Tamilnadu from 26th to 27th March 2018.

SOCIAL ACTIVITIES

Mr. Rejeesh T Chacko participated in the Paper Waste Collection – an environment awareness programme conducted by NSS: RSET on February 18th, 2018. He took part in SAMARITAIN –FRST AID TRAINING PROGRAMME – on February 28th, 2018. He also participated in the ANNUAL SPECIAL CAMP 2017-2018 - Renovate the Anganavadi and Bus Waiting areas of Thiruvankulam from March 23rd to 29th, 2018.

PHYSICAL EDUCATION & SPORTS

Chavara Cup- Inter Rajagiri Basketball Tournament

In the loving memory of St. Kuriakose Alias Chavara, every year RSET organizes an Inter-Rajagiri Basketball Tournament called CHAVARA EVEROLLING TROPHY for Men & Women in the month of February. The teams are RSET, RCMAS, RCSS, RBS & SIENNA BHAVAN. This year the tournament was inaugurated by Mr. Uthaman C.V (Sub Inspector of Police, Infopark) on 19th February 2018. Rev. Fr. Francis Manavalan CMI –Professor of RBS distributed the Prizes.

The men’s session winners was RSET and RCMAS were the Runners and in women’s session RSET A lifted the winner’s trophy while RSET B bagged the runner up trophy.



RAJAGIRI CHAMPIONS CUP –INTER COLLEGIATE TOURNAMENTS

RSET organized “RAJAGIRI CHAMPIONS CUP 2017- 2018” All Kerala inter collegiate tournament in three different disciplines Cricket, Football & Volleyball in the month of March 2018. 20 college teams from various parts of the state were participated in the tournament.

RESULTS

EVENT	WINNERS	RUNNERS
CRICKET	RSET,KAKKANAD	SCMS, KARUKUTTY
VOLLEYBALL (MEN)	SCMS,KARUKUTTY	RSET,KAKKANAD
VOLLEYBALL (WOMEN)	RSET,KAKKANAD	SCMS,KARUKUTTY
FOOTBALL	FISAT, ANGAMALY	SNGCE, KADAYIRUPPE

- **BASKETBALL:** Basketball Men and Women team won the Chavara Cup Inter Rajagiri Basketball tournament held at RSET on February 2018.
- **CRICKET:**
 - Cricket team won the **All Kerala Inter Collegiate T20 Cricket tournament** Organized by FISAT, Angamaly on March 2018.
 - Team won the Rajagiri Champions Trophy All Kerala Inter Collegiate Cricket Tournament held at RSET on March 2018.
- **FOOTBALL:** The RSET Men team won the **All Kerala Inter collegiate Football** tournament Organized by KMEA Engineering College, Edathala, onFebruary 2018
- **VOLLEYBALL:** Men team got the **Second prize** for **All Kerala Inter collegiate Volleyball Championship** Organized by KMEA Engineering College, Edathala, on February 2018.



The Women's team won the **first prize** for **All Kerala Inter Collegiate Volleyball Tournament** Organized by SCMS College of Engineering, Karukutty on 20th March, 2018.

The Men's team bagged the runner up trophy in the All Kerala Inter Collegiate Volleyball tournament organized by RSET on March 2018.

The Women's team won the All Kerala Inter Collegiate Volleyball tournament organized by RSET on March 2018.
