

அகர முதல எழுத்தெல்லாம் ஆதி
பகவன் முதற்றே உலகு.
-திருக்குறள், 1, அறத்துப்பால் - கடவுள் வாழ்த்து



*A, as its first of letters, every speech maintains;
The 'Primal Deity' is First through all the world's domains*
-Rev. Dr. G. U. Pope's Translation

RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)

DEPARTMENT OF HUMANITIES AND SCIENCES

Hum Sci 360⁰

July - September, 2019

NEWSLETTER

Volume 01 Issue 01

VISION

To become a Department of Excellence in Mathematical education, Physical Sciences and Research and Development

And

Setting the standards of Excellence in Communication skills and preparing the learners to meet the challenging trends in the professional career.

MISSION

The Department is Committed

- To impart high quality education in Applied Mathematics and Physical Sciences at various levels of programmes in engineering and technology.
- To build confidence in engineering students in using mathematical and scientific tools for designing industrial products and systems in a better, faster and effective way.
- To improve the Communication Skills of engineering students and make them suitable for employment.

HOD'S MESSAGE

I am very much pleased to present to you the very first issue of our department's newsletter 'HumSci360^o'.

The quarterly newsletter will cover the events and activities of our department, which is multifaceted, viz. Training programs, industrial visits, guest lectures, workshops, faculty development programs, faculty publications, etc., which are aimed at improving the quality of teaching - learning process and ultimately to facilitate to realize our department's vision and mission and also regularly feature articles by our faculty members and students which would capture the current trends in academia and research activity of our disciplines.

I place on record my sincere gratitude to the Management and Principal for wholly supporting us in all our endeavours.

I also express my appreciations to all our faculty members and students for their tireless and enthusiastic contributions in all our department's activities.

I trust that this newsletter will be of more interesting and informative and that it will grow to expand its boundaries in the future.

Dr. M. Muthusamy
Professor & Head of the Department

AWARDS, HONOURS, AND ACHIEVEMENTS

Ms. B. Latha, along with Mr. D. Prithiviraj, Asst. Prof. - Mechanical Engineering, mentored the team of students by name *'The Tachyons'* who won the **first place** with a **cash award of Rs. 1,00,000/-** (one lakh) in the *Smart India Hackathon – 2019*, conducted by the Ministry of Human Resource Development (MHRD), Government of India for their project titled *"Evaporative Air Cooling With Fuel Cell"*.

The team includes Mr. B. Senbagapandian (IV-Mech), Mr. J. Shyam Sundar (IV-Mech), Mr. S. S. Venkatasubramanian (IV-Mech), Ms. D. Sreelekha (IV-EEE), Ms. S. Madhumitha (III-CSE), and Mr. R. Sharathprasanna (II-Mech).



Faculty of Mathematics

• Dr. P. Ragukumar acted as Chair of a mathematics session in the National Conference on Advances in Science, Humanities and Technology - NCAST-2019 at Saveetha School of Engineering, Saveetha University, on 11th July, 2019.

Faculty of Physics

• Dr. P. Vasudevan acted as Chair of two physics sessions in the National Conference on Advances in Science, Humanities and Technology - NCAST-2019 at Saveetha School of Engineering, Saveetha University, on 11th July, 2019.

• Dr. P. Vasudevan delivered a guest lecture on “Theory of Magnetic Materials” to final year B.Sc. – Physics students at S.I.V.E.T. College, Gowrivakkam, Chennai, on 05th August, 2019.

Faculty of Chemistry

• Dr. S. Mohandoss successfully defended his thesis for the award of Ph.D. degree on 3rd September, 2019.

• Dr. P. Ramadevi acted as Chair of a chemistry session in the National Conference on Advances in Science, Humanities and Technology - NCAST-2019 at Saveetha School of Engineering, Saveetha University, on 11th July, 2019.

FACULTY PUBLICATIONS

Faculty of Mathematics

• Dr. A. Velankanni published a paper in the journal “Utilitas Mathematica”, volume 109, titled “(2, 1)-Total Labeling of Cube Connected Cycle”.

• Ms. J. Senbagamalar published a paper in the journal “Current signal transduction therapy - bentham science”, volume 14, issue 1, titled “Topological indices on complementary benzenoids and nanostar dendrimers”.

• Mr. V.R. Sunil Kumar published a paper in the journal “Infokara Research”, volume 8, issue 8, titled “The Total detour domination number of a graph”.

• Dr.M.Premalatha published a paper in the journal “Malaya Journal of Matematik”, volume 1, issue 1, titled “SVM approach for non parametric methods in classification and regression on feature inselection with epsilon insensitive region”.

• Dr.P. Ragukumar published a paper in the journal “Theoretical Computer Science”, volume 772, titled “Harmonious Coloring: Parameterized algorithms and Upper Bounds”.

Faculty of English

• Dr.P.Duvaraganathan published a paper in the journal “IJELLH (International Journal of English Language, Literature in Humanities)”, volume 7, issue 3, titled “Individual transformation is Nation building – In the light of Emerson and Bharathi”.

• Ms. Andria Babu published a paper in the journal “RJELAL(Research Journal of English Language and Literature)”, volume 7, issue 2, titled “The Rudiments of Humour and Nostalgia in Arundhati Roy’s -The God of Small Things”.

• Ms. G. Alamelu published a paper in the journal “IJELLH (International Journal of English Language, Literature in Humanities)”, volume 7, issue 3, titled “Impact of Spaced Repetition System on Visual Learning Vs Auditory Learning – A Study”.

• Ms. G. Alamelu published a paper in the journal “International Journal of Recent Technology and Engineering (IJRTE)”, volume 8, issue 1C2, titled “The Effects of Reinforced Learning in Language Acquisition and Cognitive Process: A Study”.

Faculty of Chemistry

• Dr. D. Mohan published a paper in the journal “Materials Chemistry and Physics”, pp. 159-167, titled “Permeation and antifouling performance of poly (ether imide) composite ultrafiltration membranes customized with manganese dioxide nanospheres”.

• Dr.S.Sureshkumar published a paper in the journal “ACS Omega”, volume 4, issue 6, titled “Impedance Spectroscopy-Based Reduced Graphene Oxide-Incorporated ZnO Composite Sensor for H₂S Investigations”.

• Dr.S.Sureshkumar published a paper in the journal “Materials research express”, volume 6, issue , titled “Enhanced H₂S gas sensing properties of Mn doped ZnO nanoparticles – an impedance spectroscopic investigation”.

DIGITAL TRAINING FOR EMPLOYABILITY SKILL

The following faculty of our department were involved in conducting digital training program for students to improve their quantitative aptitude and employability skill development:

• Faculty of Mathematics

Mr. V. Rajkumar, Mrs. R. Hema, Mrs. S. Vasanthi, Dr. J. Senbagamalar, Mr. V.R. Sunilkumar, & Mr. R. Siluvai Dasan.

• Faculty of English

Mr. S. Vadivel, Dr.P.Duvaraganathan, Ms.G.Janet, Mr. Hastin Fernandez, Ms.Abishekha, & Ms. Andria Babu.

CONFERENCES / PROGRAMS / WORKSHOPS ATTENDED

Faculty of Mathematics

- Dr. V. Lakshmi & Dr.M.Premalatha participated in the Faculty development program titled “Algebra and Number theory” on 12-06-2019 at Rajalakshmi Institute of Technology.
- Ms. D. Rajalakshmy, Ms. S.Sylvia Elizabeth, & Dr.J.Senbagamalar participated in the Two day workshop titled “Algebra and Number theory” from 28-06-2019 to 29-06-2019 at Saveetha Engineering College.
- Dr. B. Sivakumar & Mr. V. James participated in the Workshop titled “New Trends on Stochastic Processes, SQC & Reliability using R Programming (NTSPQCR 2019)” from 11-07-2019 to 12-07-2019 at Department of Statistics, Annamalai University.
- Ms. S. Vasanthi participated and presented a paper and Mr. V. Gopalakrishnan participated in the National Conference titled “Advances in Sciences, Humanities and Technology 2019(NCHAST 2019)” from 11-07-2019 to 12-07-2019 at Saveetha University.
- Dr. V. Lakshmi & Ms. R. Nathiya participated in the Three day Faculty development program for Subject Handlers of B.Tech. CSBS courses (I semester) from 15-07-2019 to 17-07-2019 at TATA Consultancy Services / Indian Statistical Institute, Kolkatta.
- Mr. V.Rajkumar participated in the International conference titled “Recent trends on Mathematical sciences” from 15-07-2019 to 16-07-2019 at VIT, Vellore.

Faculty of English

- Ms. G. Alamelu & Mr. Srihari participated in the Faculty development program titled “Creative Strategies for Acquisition of English Language Skills” on 25-06-2019 from at Rajalakshmi Institute of Technology.
- Ms. Abishekha participated in the Faculty development program titled “Emotional Intelligence” from 14-07-2019 to 17-07-2019 at DMI College Of Engineering.
- Dr. P. Duvaraganathan participated in the Three day Faculty development program for Subject Handlers of B.Tech. CSBS courses (I semester) from 15-07-2019 to 17-07-2019 at TATA Consultancy Services, Kolkatta.

- Mr. Hastin Fernandez & Ms. G.Janet participated in the WORKSHOP titled “Writing for Research Purpose” from 19-07-2019 to 20-07-2019 at Crescent Institute of science and technology.
- Dr.P.Duvaraganathan & Dr.K.Thomas Alwa Edison participated in the Faculty development program titled “Indian Constitution and Freedom Movement” on 20-07-2019 at Rajalakshmi Engg College.
- Dr. N. Hema participated in three workshops from 25-07-2019 to 27-07-2019 at Indian Institute Engineering and Management, Kolkata.

Faculty of Physics

- Mr. G.Anumanthkannan & Mr. R. Muralidharan participated in the National Workshop titled “The Excitement Of College Physics” on 06-07-2019 at VIT,CHENNAI.
- Dr. P.Vasudevan & Mr. K. Senthilkumar participated and presented a paper on in the “National Conference titled Advances In Science,Humanities And Techonology” from 11-07-2019 to 12-07-2019 at Saveetha University.
- Mr. K. Vijayanarasimhan participated in the Three day Faculty development program for Subject Handlers of B.Tech. CSBS courses (I semester) from 15-07-2019 to 17-07-2019 at TATA Consultancy Services, Kolkatta.
- Mr. M.Sankarkumar & Dr.G.Saravanakumar participated in the National Conference titled “Recent Advances In Material Sciences” from 18-07-2019 to 19-07-2019 at St.Peter's Institute of Higher Education And Research.
- Dr.Rubarani.P.Gangadaran & Ms. B.Latha participated in the Workshop titled “Enterpreneurship Opportunities In E-Waste Recycling” on 02-08-2019 at Veltech University, Avadi.
- Mr. M.Anandraj participated and presented a paper in the International conference titled “Multifunctional And Hybrid Composite Materials For Energy Environmernal And Medical Application” from 09-09-2019 to 11-09-2019 at NIT, Trichy.

Faculty of Chemistry

- Dr. S.Jayakumar & Dr. L. Renuka participated in the Conference titled “1st Abdul Kalam conference on sustainable growth” from 11-07-2019 to 14-07-2019 at IIT-M, Chennai.
- Mr. S.Mohan & Ms. S. Jasmine participated in the workshop titled “Microscale Analysis in Organic and Inorganic Chemistry (MSA 2019)” on 19-07-2019 at SVCE.
- Dr. S.Sureshkumar participated in the Workshop titled “Environment Energy Application workshop – 2019” on 19-07-2019 at SRM Institute of Science and Technology.
- Dr.P.Ramadevi participated in the Workshop titled “Electrochemical energy applications workshop EEAW-2019” on 19-07-2019 at SRM Institute of Science and Technology.
- Dr. S. Mohandoss & Dr. D. Udhayakumari participated in the workshop titled “Entrepreneurship Opportunities in E-Waste Recycling” on 02-08-2019 at VelTech University.
- Dr.P.Ramadevi, Dr. S. Mohandoss, Mr. K. Suresh Babu & Ms. S. Jasmine participated in the Conference titled “CII-Chennai Water Management Conference” on 05-09-2019 at Hotel Hilton, Guindy, Chennai.
- Dr.R.Manonmani & Ms. Geetha Chandrasekran participated in the Workshop titled “Two days workshop on powder X-ray diffraction and data processing” from 27-09-2019 to 28-09-2019 at Vels University, Pallavaram.

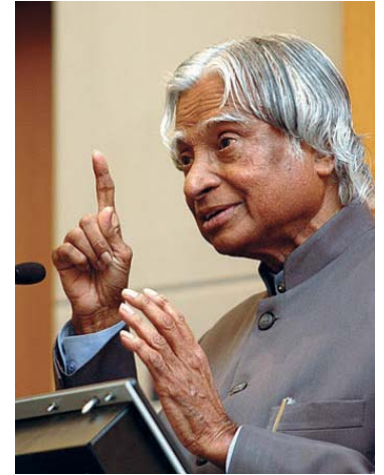


“Education is the manifestation of the perfection already in man”

- Swami Vivekananda

“You have to dream before your dreams can come true!”

-Dr. A. P. J. Abdul Kalam



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