

இம்மை பயக்குமால்; ஈயக் குறைவின்றால்;  
தம்மை விளக்குமால்; தாமுளராக் கேடின்றால்;  
எம்மை யுலகத்தும் யாம்கானேம் கல்விபோல்  
மம்மர் அறுக்கும் மருந்து.  
-நாலடியார்.



*Since in this world it yields fruit; it grows not less;  
Since it makes men illustrious; it lasts forever;  
In any world we see not any medicine that, like learning,  
Removes the delusions of sense.  
-Naladiyaar. Translation: Rev. G. U. Pope*

**RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)**

**DEPARTMENT OF HUMANITIES AND SCIENCES**

# Hum Sci 360<sup>0</sup>

October - December, 2020

**NEWSLETTER**

Volume 02 Issue 02

## 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.

## EDITOR'S MESSAGE

Greetings,

I wish everyone a very happy and prosperous new year 2021.

I hope and wish that we will be resuming our normal mode of operations soon as India is, among the world leaders, coming up with a vaccine for the pandemic and moving towards a safer future. We will, however, be incorporating the learning of this lockdown period for a better and more effective use of time and resources towards implementing an ever improving teaching-learning environment.

I continue to express my appreciations to our faculty members who are constantly and consistently utilizing the situation to their advantage in developing their knowledge and skills, through various online courses, webinars, and programs, for the benefit of both themselves and the student community they are guiding.

People across the globe are having high hopes and expectations for this year ahead and I wish all those positive expectations come true.

**Dr. M. Muthusamy**  
Professor & Head of the Department

## FACULTY PUBLICATIONS

- Dr. P. Vasudevan published a paper titled "Synthesis and Characterization of NLO Material L-Valine L-Valinium Perchlorate Monohydrate for Photonics Applications" in the journal "Photonics Letters of Poland", Volume 12, Issue 03.
- Dr. R.Manonmani published a paper titled " In-vitro Bioactivity, Corrosion Resistance and Mechanical Properties of Nano-composite Coated 316L SS for Orthopaedic Applications" in the journal "International Journal of Innovative Research in Science, Engineering and Technology", Volume 09, Issue 10.

## PAPER PRESENTED

- Mrs. S. Bhavani participated and presented a paper titled "An Innovative Approach to Selecting the Right Candidate for an Educational Institute" in the Online National Conference on " Recent Trends in Mathematics (NCRTM-2020)" on 27.11.2020, organized by National Institute of Technology, Manipur.
- Mrs. S. Bhavani participated and presented a paper titled "A New Strategy for Ranking Fuzzy Numbers in Decision Making" in the International Virtual Conference on "Smart Advanced Material Science and Engineering Applications -2020" on 04.12.2020, organized by KL University, Vijayawda.
- Mrs. S. Bhavani participated and presented a paper titled "An Ideal and Advanced Method for the Ordering of Fuzzy Numbers" in the International Virtual Conference on "Smart Advanced Material Science and Engineering Applications -2020" on 05.12.2020, organized by KL University, Vijayawda.

- Mrs. S. Bhavani participated and presented a paper titled "Guiding Educationalists to Pick the Best Online Teaching Platform by Employing Fuzzy Topsis Approach" in the International Virtual Conference on "Smart Advanced Material Science and Engineering Applications -2020" on 05.12.2020, organized by KL University, Vijayawda.

## AWARD OF Ph.D.

- Dr. M. Infant Shyam Kumar successfully defended his thesis for the award of Ph.D. degree on 20th October 2020.
- Dr. K. Suresh Babu successfully defended his thesis for the award of Ph.D. degree on 04th November 2020.

## CONFERENCES / PROGRAMS / WORKSHOPS ATTENDED

- Dr. J. Venkatesan participated in the Faculty Development Program on "Statistics Using R-Programming" from 05.10.2020 to 09.10.2020 conducted by Department of Mathematics, Kongu Engineering College, Erode.
- Dr. S. Jasmine & Dr. Rubarani P. Gangadharan participated in the STTP on "Writing and Publishing High Impact Research Publications and Scientific Documents" from 05.10.2020 to 10.10.2020 conducted by Rajalakshmi Engineering College.
- Dr. Rubarani P. Gangadharan participated in the AICTE AQIS Sponsored STTP on "Moral, Ehtics and Values in Education" from 05.10.2020 to 10.10.2020 conducted by Government Polytechnic, Nagpur.
- Mrs. R. Bhavani participated in the Faculty Development Program on "Recent Trends in Materials Science (RTMS-2020)" from 12.10.2020 to 16.10.2020 conducted by GMR Institute of Technology.
- Mr. G. Babu participated in the Faculty Development Program on "Emotional Intelligence" from 13.10.2020 to 17.10.2020 conducted by ICT Academy.
- Dr. S. Jasmine participated in the Webinar on "Igniting Minds" on 18.10.2020 conducted by Future Captains.
- Mrs. S. Janaki & Dr. S. Jasmine participated in the Three-day Online Faculty Development Program on "Condensed Matter Physics" from 19.10.2020 to 21.10.2020 conducted by Jamal Mohamed College, Thrichirappalli.
- Mrs. S. Vasanthi, Mrs. B. Latha & Mrs. R. Bhavani participated in the STTP on "Writing and Publishing High Impact Research Publications and Scientific Documents" from 19.10.2020 to 24.10.2020 conducted by Rajalakshmi Engineering College.
- Mr. V. James & Mrs. S. Vasanthi participated in the International Conference on "Emerging Trends in Mathematics and Statistics" from 21.10.2020 to 23.10.2020 conducted by St. George's College Aruvithura, Kottayam, in association with KMA.
- Mrs. G. Janet participated in the Faculty Development Program on "Research Methodology for Social

Sciences and Humanities" from 21.10.2020 to 27.10.2020 conducted by Department of Basic Sciences & Humanities, GMR Institute of Technology, Rajam, Andhra Pradesh.

- Mrs. S. Janaki, Dr. R. Manonmani, Mrs. Geetha Chandrasekran, Mrs. B. Latha, Dr. S. Jasmine & Dr. Rubarani P. Gangadharan participated in the Online STTP on "Nanotechnology, Science and Applications" from 26.10.2020 to 31.10.2020 conducted by Rajashri Shahu College of Engineering, Pune.

- Dr. P. Ramadevi participated in the STTP on "Emerging Trends in Micro-Nano Sensors and Actuators for Industrial Application" from 26.10.2020 to 31.10.2020 conducted by Department of Electrical and Electronics Engineering, Sri Manakula Vinayagar Engineering College, Puducherry.

- Mrs. R. Kavitha & Mr. M. Sankar Kumar participated in the STTP on "Fostering Instrumental Techniques for Effective Research-2020" from 27.10.2020 to 31.10.2020 conducted by Centre for Continuing Education, Nirma University.

- Mrs. S. Bhavani participated in the International Online Workshop on "Recent Trends in Mathematics & its Applications" from 28.10.2020 to 01.11.2020 conducted by National Institute of Technology, Manipur.

- Mr. M. Anand Raj, Mr. M. Vijay, Mr. V. Inbaraj participated in the STTP on "Writing and Publishing High Impact Research Publications and Scientific Documents" from 02.11.2020 to 07.11.2020 conducted by Rajalakshmi Engineering College.

- Mr. V. Inbaraj participated in the National Virtual Conference on "Human Microbiome at the Interface of Health and Disease" from 02.11.2020 to 03.11.2020 conducted by Post Graduate Department of Microbiology, The American College, Madurai.

- Mr. V. Inbaraj participated in the Online STTP on "Smart Materials and Systems: Emerging Research Areas" from 02.11.2020 to 07.11.2020 conducted by Department of Mechanical Engineering, C.V Raman Global University, Bhubaneswar, Odisha.

- Mrs. C. Renuga, Mrs. S. Bhavani & Mrs. C. Shanthini participated in the Six-day Virtual 'Science Acedemics' Lecture Workshop on "Linear Transformations, Matrices and their Applications -2020" from 02.11.2020 to 07.11.2020 conducted by S.V.U. College of Science, Department of Mathematics, S.V. University, Tirupati.

- Mrs. G. Alamelu participated in the AICTE Sponsored One-week Online STTP on "Writing and Publishing High Impact Research Publications and Scientific Documents" from 02.11.2020 to 07.11.2020 conducted by Rajalakshmi Engineering College.

- Mrs. S. Bhavani participated in the International Web Conference on "BIOINVENTIYON' 20" from 05.11.2020 to 06.11.2020 conducted by Mahatma Gandhi University, Kerala.

- Mrs. S. Anu participated in the Workshop on "Waste Management Approaches : A Perspective on Plastic Wastes" on 06.11.2020 conducted by Dr.N.G.P.Institute of Technology.

- Mr. V. James participated in the International Virtual Conference on "Progress in Mathematics Towards Industrial Applications" from 06.11.2020 to 07.11.2020 conducted by Department of Mathematics, SRMIST, Ramapuram.

- Mr. M. Anand Raj, Mr. Hastin Fernandez & Dr. K. Tholmas Alwa Edison participated in the STTP on "AICTE's eSIP: Online Student Induction Program 2020" from 08.11.2020 to 20.11.2020 conducted by AICTE.

- Mr. K. Senthilkumar participated in the International Conference on "Recent Trends in Materials

Science" on 10.11.2020 conducted by Jamal Mohammad College (Autonomous), Tiruchirapalli.

- Mr. K. Senthilkumar & Dr. G. Saravana Kumar participated in the Two-day Online Faculty Development Program on "Astrophysics" from 11.11.2020 to 12.11.2020 conducted by PG and Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirapalli.
- Mr. V. James participated in the STTP on "Software Packages for Mathematics in Engineering" from 16.11.2020 to 21.11.2020 conducted by Department of Mechanical Engineering, Vidya Academy of Science and Technology, Thrissur.
- Dr. Rubarani P. Gangadharan, Dr. B. Latha, Dr. R. Manonmani, Dr. S. Jasmine & Mrs. S. Janaki participated in the AICTE Margadharshan Online Faculty Development Program on "Quality of Assessments & Projects for NBA" from 16.11.2020 to 21.11.2020 conducted by Rajalakshmi Engineering College.
- Dr. P. Ramadevi & Dr. R. Manonmani participated in the STTP on "Composites: Fracture Toughness, NDE & Failure Analysis" from 17.11.2020 to 22.11.2020 conducted by Pillai HOC College of Engineering & Technology and AICTE.
- Mrs. S. Vasanthi, Mrs. C. Shanthini, Mrs. S. Bhavani & Mrs. C. Renuga participated in the Online Workshop on "Introduction to Operations Research in Engineering" on 22.11.2020 conducted by Ramco Institute of Technology, Rajapalayam.
- Ms. C. Shanthini & Mrs. S. Bhavani participated in the One-week Online Workshop on "Algebra and Optimization-2020" from 23.11.2020 to 27.11.2020 conducted by Department of Science and Humanities (Mathematics), NIT Nagaland.
- Dr. Rubarani P. Gangadharan, Dr. B. Latha & Mrs. R. Bhavani participated in the Two-day Online Faculty Development Program on "Recent Trends on Science & Technology" from 27.11.2020 to 28.11.2020 conducted by Department of Physics, Vel Tech MultiTech Dr.Rangarajan Dr.Sakunthala Engineering College.
- Mrs. C. Renuga participated in the International Faculty Development Program on "Probability and Queueing Theory" from 30.11.2020 to 04.12.2020 conducted by Rajalakshmi Institute of Technology.
- Mrs. C. Shanthini participated in the STTP on "Integral Transforms and their Applications" from 30.11.2020 to 05.12.2020 conducted by Department of Basic Science, Shri Vishnu Engineering College for Women, Andhra Pradesh.
- Dr. M. Infant Shyam Kumar participated in the STTP on "Technical Writing and Research Methodology" from 30.11.2020 to 05.12.2020 conducted by AICTE.
- Mrs. R. Bhavani participated in the National Seminar on "Role and Significance of Patents in Academia" from 05.12.2020 to 05.12.2020 conducted by V.R. Siddhartha Engineering College.
- Dr. D. Udhayakumari participated in the STTP on "Techno-Economic Solution for Sustainable Municipal Solid Waste Management for Development of Smart Cities in India" from 07.12.2020 to 11.12.2020 conducted by IPS Academy, Department of Chemical Engineering, Institute of Engineering & Science, Indore.
- Mr. R. Siluvai Dasan participated in the Faculty Development Program on "Stress Management" from 08.12.2020 to 12.12.2020 conducted by ICT academy.

## ADDITIONAL COURSES COMPLETED

- Dr. S. Jasmine Francis took the 4-week NPTEL Online course titled “Electronic waste management - Issues and challenges” and successfully completed the course with Elite + Gold Medal ranking in the exam conducted on 17.12.2020.
- Mrs. S. Janaki took the 4-week NPTEL Online course titled “Electronic waste management - Issues and challenges” and successfully completed the course with Elite + Gold Medal ranking in the exam conducted on 17.12.2020.
- Mrs. B. Latha took the 8-week NPTEL Online course titled “Laser: Fundamentals and Applications” and successfully completed the course with Elite + Gold Medal ranking in the exam conducted on 18.12.2020.
- Mrs. R. Bhavani took the 8-week NPTEL Online course titled “Laser: Fundamentals and Applications” and successfully completed the course with Elite + Gold Medal ranking in the exam conducted on 18.12.2020.

புதுப்பானையில் பொங்கும் புத்தரிசிப்  
பொங்கலைப் போல  
நம் அனைவர் வாழ்விலும் இன்பமும் நலமும்  
பொங்கிப் பெருகட்டும்...  
இனிய பொங்கல் நல்வாழ்த்துகள்...



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