

அறிவு அற்றம் காக்கும் கருவி செறுவார்க்கும்  
உள்ளழிக்க லாகா அரண்.  
-திருக்குறள், 421, பொருட்பால் - அறிவுடைமை



*Wisdom's weapon wards off all woes  
It is a fort defying foes.*  
-Yogi Shuddhananda's Translation

**RAJALAKSHMI ENGINEERING COLLEGE (AUTONOMOUS)**

**DEPARTMENT OF HUMANITIES AND SCIENCES**

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

April - June, 2020

**NEWSLETTER**

Volume 01 Issue 04

## **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 hope that this fourth issue of our Department's newsletter, HumSci360<sup>o</sup>, finds you in good health. I am extremely happy to note that our faculty members are carrying out their academic duties and Research & Development pursuits without any snag despite the global crisis that we are all facing and fighting together. It is gratifying to note that our faculty members are actively engaging themselves in various other activities, like regularly attending webinars and taking up online courses, in their quest to constantly shape themselves and to reach new pinnacles both in their professional and personal spheres.

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

I also place on record my gratitude and appreciations to the faculty members of H & S for their spirit and hard work.

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

## FACULTY PUBLICATIONS

- Ms. B. S. Renuka published a paper titled "The Need for Effective Communication Skills in English for Engineering Students" in The Journal "Research Journal of English Language and Literature (RJELAL)", Volume 8, Issue 2.
- Ms. B. S. Renuka published a paper titled "Enhancing The Interpersonal Skills of Engineering Students Through Listening and Speaking Activities" in The Journal "International Journal of ELT, Linguistics and Comparative Literature", Volume 8, Issue 2.
- Mr. B. Lakshmanan published a paper titled "Subverting The Power: A Postmodern Reading of Tehmina Durrani's Blasphemy" in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 41.
- Mr. G. Sri Hari published a paper titled "Modernization - A Complex Shift in Culture, Tradition and Social Activities in Jhumpa Lahiri's 'The Name Sake' And 'The Lowland'" in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 23.
- Ms. B. Rajalakshmi published a paper titled "Interpersonal Skills -An Evolutionary Perspective Analysis" in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 23.
- Mrs. Andria Babu published a paper titled "Online learning: Enhancing the Reading Skills of Digital Natives through E- materials" in The Journal "International Journal of Research and Analytical Reviews (IJRAR)", Volume 7, Issue 2.
- Ms. B. S. Renuka published a paper titled "Enhancing The Employability Skills of The Engineering Students with a Special Focus on Reading And Writing " in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 31.

- Mr. S. Vadivel published a paper titled "Perfecting English Speaking Skill: A Tool for Employability" in The Journal "ALOCHANA CHAKRA", Volume 9, Issue 6.
- Mr. M. Vijay published a paper titled "Challenges of Slow Learners: Problems and Remedies Among Heterogenous Group of Learners" in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 54.
- Dr.K.Thomas Alwa Edison published a paper titled "The Religion and Magical Realism: A Pivotal Role in Gabriel Garcia Marquez's of Love And Other Demons" in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 54.
- Mr. G. Babu published a paper titled "Socio-Political Implications and Satiric Reflections in 'Om Mane Padme Hum!'" in The Journal "Alochana Chakra", Volume 9, Issue 6.
- Ms. G. Janet published a paper titled "Education at Stake During the Unscripted Hours of Corona Pandemic: An Outlook" in The Journal "Strad Research UGC Care Group II Journal Web of Science Group", Volume 7, Issue 6.
- Mrs. N. Sudha published a paper titled "The Significance of Learning a Foreign Language at the Present Scenario" in The Journal "Strad Research UGC Care Group II Journal Web of Science Group", Volume 7, Issue 6.
- Mr. Hastin Fernandez published a paper titled "Design-Based Research and Technology-Enhanced Learning Environments" in The Journal "PURAKALA - UGC Care List", Volume 31, Issue 54.
- Dr. D. Udhayakumari published a paper titled "Various Sensing Mechanisms for Design of Naphthalimide Based Chemosensors Emerging in Recent Years" in The Journal "Recent Innovations in Chemical Engineering", Volume 13, Issue 4.
- Mrs. S. Anu published a paper titled "Removal of Chromium and Copper Ions from Industrial Wastewater by Cross-linked Chitosan/Poly (ethylene glycol)" in The Journal "International Journal of Advanced Science and Technology", Volume 7, Issue 29.
- Dr. P. Ramadevi published a paper titled "Kinetics of Oxidation of Alanine by Pyridiniumdichromate in the Presence of Perchloric Acid Medium in DMSO-H<sub>2</sub>O(V/V) Medium by Spectrophotometric Method" in The Journal "International Journal of Psychosocial Rehabilitation", Volume 24, Issue 2.
- Ms. G. Alamelu published a paper titled "Importance of learning English as a Second Language and Contemporary Challenges in English Language Teaching – A Study" in The Journal "Tathapi", Volume 19, Issue 28.

## BOOKS / CHAPTERS IN BOOKS PUBLISHED

- Mrs. G. Alamelu contributed a chapter titled "The Significance of Spaced Learning Technique in Enhancing English Language Acquisition and the Cognitive Process Involved in Language Learning: A Study" (Chapter 10), for the book "Arts and Social Studies Research" published by Book Publisher International (SD International) UK - Science Domain, Volume 1, April 2020.
- Mrs. G. Alamelu contributed a chapter titled "Building Employability Skills of Engineering Graduates through English in India" (Chapter 06), for the book "Social Media in Teaching and Learning" published by ESN Publications, first edition, June 2020.

## PROGRAMS CONDUCTED

- Dr. S. Mohandoss, Faculty of Chemistry, organised an *Expert Webinar* on 25.06.2020 through Google Meet; **Dr. Jayshree Ramkumar**, Scientist, Analytical Chemistry Division, Bhabha Atomic Research Centre (BARC), Kalpakkam, participated as the resource person and delivered her lecture on the topic "*Material Characterization*".
- Mr. K. Suresh Babu, Faculty of Chemistry, organised an *Expert Webinar* on 29.06.2020 through Google Meet; **Dr. M.F.Valan**, Assistant Professor and Scientist (LIFE - Loyola Institute of Frontier Energy), Department of Chemistry, Loyola College, Chennai, participated as the resource person and delivered his lecture on the topic "*The Origin and the Therapy for COVID-19 in the Light of Biosciences*".
- Mr. S. Vadivel, Faculty of English, organised an *Expert Webinar* on 30.06.2020 through Google Meet; **Dr.B. Kathiresan**, Associate Professor and Head, PG & Research Department of English, Thiruvallur University, Vellore, participated as the resource person and delivered his lecture on the topic "*A Conceptual Analysis of New Historicism*".

## INVITED TALKS

- Dr. P. Duvaraganathan acted as Resource Person and delivered a lecture titled "*Promoting Learning Among Staff Members*" in the Webinar hosted by Bon Secours College for Women, Thanjavur, on 18.05.2020.
- Dr. P. Ragukumar acted as Resource Person and delivered a lecture titled "*Applications of Complex Variables*" in the Webinar hosted by Mahalakshmi Women's College of Arts and Science, Avadi, on 26.05.2020.
- Dr. P. Ragukumar acted as Resource Person and delivered a lecture titled "*Mathematics behind Algorithms*" in the Online FDP on Recent Trends in Computational Mathematics hosted by Mohammed Sathak AJ College of Engineering, on 27.05.2020.
- Mr. K. Vijayanarasimhan acted as Resource Person and delivered a lecture titled "*A Stroll Through the Mystical Quantum Mechanics*" in the Webinar hosted by the PG Department of Physics, Bhaktavatsalam Memorial College for Women, Chennai, on 29.05.2020.
- Mr. M. Anand Raj acted as Resource Person and delivered a lecture titled "*Covid-19 Dataset Analysis Using Pandas in Python*" in the Webinar hosted by the Departments of Computer Science and Engineering & Humanities and Sciences, Rajalakshmi Engineering College, Thandalam, from 05-06-2020 to 06-06-2020.

## ADDITIONAL COURSES COMPLETED

- Dr. V. Vasumathi has successfully completed the 1-year course titled "Samskrta Praveeshikaa" offered by Madras Sanskrit College.
- Mr. M. Anand Raj has successfully completed the 1-week course titled "COVID-19: What You Need to Know (CME Eligible)" offered by Coursera.org.
- Mr. M. Anand Raj has successfully completed the 7-week course titled "Creative Thinking: Techniques and Tools for Success" offered by Coursera.org.

- Mr. M. Anand Raj has successfully completed the 4-week course titled "Science of Exercise" offered by Coursera.org.
- Mr. M. Anand Raj has successfully completed the 4-week course titled "Epidemics, Pandemics and Outbreaks" offered by Coursera.org.
- Mr. M. Anand Raj has successfully completed the 3-week course titled "Course on Communicating During Global Emergencies" offered by Coursera.org.
- Mr. M. Anand Raj has successfully completed the 1-week course titled "COVID-19 Contact Tracing" offered by Coursera.org.
- Mr. M. Anand Raj has successfully completed the 4-week course titled "Disaster Preparedness" offered by Coursera.org.
- Mr. M. Anand Raj has successfully completed the 2-day course titled "short course on "Learn to Design your own Solar Home System"" offered by Energy Swaraj Foundation / Energy Literacy Drive.
- Mr. G. Sri Hari has successfully completed the 1-day course titled "Teach2030 Facilitator Training Course" offered by Alison.
- Mr. G. Sri Hari has successfully completed the 4-day course titled "Online Course on Examination Reforms" offered by AICTE.
- Mr. G. Sri Hari has successfully completed the 2-day course titled "Level Your Proficiency in English" offered by International Journal of Advance Study and Research Work.
- Mr. G. Sri Hari has successfully completed the 5-day course titled "Strategies to Address the Soft Skill Gap" offered by International Journal of Advance Study and Research Work.
- Mrs. S. Janaki has successfully completed the 5-day course titled "National Level Online Course on Chemistry in Our Day-to-day life" offered by Jamal Mohamed College (Autonomous), Tiruchirappalli.
- Mr. G Babu has successfully completed the 09-hour course titled "Moodle 3.0x Masterclass: Complete Educator's Guide to Moodle" offered by Udemy.

## WEBINARS ATTENDED

The faculty members of the department have attended a total of **485** webinars during the period from 1<sup>st</sup> April to 30<sup>th</sup> June, 2020. The number of webinars attended by each faculty member is tabulated below:

### • Faculty of Mathematics

#### Name of the Faculty - No. of Webinars Attended

Dr. V. Lakshmi	08
Dr. B. Sivakumar	03
V. James	11
D. Rajalakshmy	08
P. Helen Vijitha	04
Dr. J. Venkatesan	05

### • Faculty of English

#### Name of the Faculty - No. of Webinars Attended

Dr. Hema	01
Mr. G. Sri Hari	28
Mr. M. Vijay	18
Mrs. G. Alamelu	32
Mr. Hastin Fernandez	03
Ms. G. Janet	12

Dr. J. Julie	04	B. S. Renuka	19
R. Krithika	04	Mr. S. Vadivel	13
C. Renuga	04	Dr. P. Duvaraganathan	06
R. Hema	03	Mrs. Andria Babu	03
S. Vasanthi	21	Dr.K.Thomas Alwa Edison	23
Dr. P. Ragukumar	01	Mr. B. Lakshmanan	05
Dr. A. Velankanni	01	Mr. G Babu	09
C. Shanthini	06	Ms. B. Rajalakshmi	11
S. Bhavani	06	Mrs. N. Sudha	03

• Faculty of Physics

Name of the Faculty - No. of Webinars Attended

Dr. P. Vasudevan	06
M. Anand Raj	14
R. Kavitha	03
K.Senthilkumar	04
Dr.Rubarani P G	05
G. Anumantha Kannan	02
M.Sankar Kumar	03
K. Vijayanarasimhan	05
B.Latha	03
R. Bhavani	08
M. Infant shyam kumar	06
Dr. G. Saravana Kumar	03

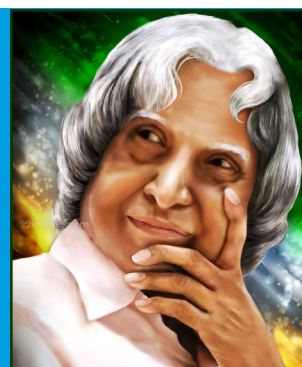
• Faculty of Chemistry

Name of the Faculty - No. of Webinars Attended

Dr.S.Jayakumar	07
Dr. P. Ramadevi	08
Dr.S.Mohandoss	15
Mrs. S. Anu	09
Dr. S. Jasmine	16
Dr.R.Manonmani	21
Mrs. S. Janaki	17
Mr. K. Suresh Babu	12
Mr.V.Inbaraj	05
Mr. S. Mohan	03
Mrs.K.Seethalakshmi	10
Mrs. Geetha Chandrasekran	18
Dr. D. Udhayakumari	07

*“Dream is not what you see while sleeping, it is something that does not let you sleep.”*

*-Dr. A. P. J. Abdul Kalam*



## Editorial Team

**Editor-in-chief:**

Dr. M. Muthusamy, Professor & Head

**Executive Editor:**

Mr. K. Vijayanarasimhan, Asst. Prof. (SS) - Physics

**Faculty & Student Coordinators:**

Ms. R. Krithika, Asst. Prof. (SG) - Mathematics

Ms. R. Bhavani, Asst. Prof. (SS) - Physics

Mr. Hastin Fernandez, Asst. Prof. (SS) - English

Ms. S. Janaki, Asst. Prof. (SS) - Chemistry