



KPR INSTITUTE OF ENGINEERING AND
TECHNOLOGY-COIMBATORE



DEPARTMENT
OF SCIENCE
AND
HUMANITIES

NEWSLETTER - FEB. 2022

EDUCATE TO EMPOWER

VOLUME 1 ISSUE 2



EDITORIAL BOARD

Editor in Chief

Dr. P. Geetha

AsP/Head/Department of Science and Humanities

Editor

Ms. R. Vidhiya

AP (Sr.G.)/ Department of English

Contents

Events Organised

Resource Persons

Faculty Publications

Concept Note

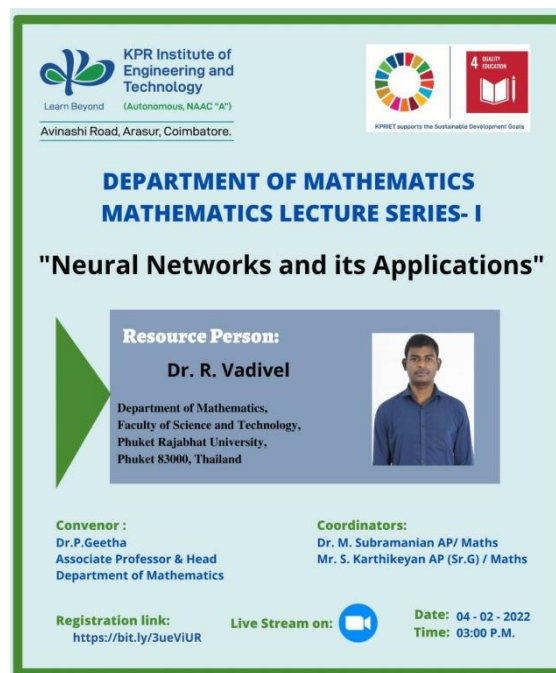
One positive thought can change the whole world. A positive thought is a belief or a mental attitude that reinforces optimism in human mind. Education is the key to unleash the positive thoughts in one's mind. A positive thought attained with education leads to transformation of energy into reality and makes a healthy, determinant and self-independent people. It is the responsibility of an institution to contribute such eminent people to the society who could change world through the education they have attained. KPRIET is successful in such contributions to the society. This issue of newsletter is the evidence of such contributions where the actions of the faculty members play a major part in creating a positive change in the world.

EVENTS ORGANISED

Lecture Series I - Neural Networks and Its Applications

A One-Day Webinar on “Neural Networks and its Applications” was organized by the Department of Mathematics on 4th February 2022.

Dr. M. Subramanian and Mr. S. Karthikeyan Assistant Professors of Mathematics were the coordinators of the programme. Dr. M. Subramanian, welcomed the resource person of the session, Dr. R. Vadivel, Department of Mathematics, Faculty of Science and Technology, Phuket Rajabhat University, Thailand with his welcome address.



The poster is for a webinar titled "Neural Networks and its Applications" organized by the Department of Mathematics at KPR Institute of Engineering and Technology. It features a photo of Dr. R. Vadivel, the resource person, and lists the convenor (Dr. P. Geetha) and coordinators (Dr. M. Subramanian and Mr. S. Karthikeyan). The registration link is provided as <https://bit.ly/3ueVIUR> and the event is scheduled for 04-02-2022 at 03:00 P.M.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")
Avinashi Road, Arasur, Coimbatore.

DEPARTMENT OF MATHEMATICS
MATHEMATICS LECTURE SERIES- I


"Neural Networks and its Applications"

Resource Person:
Dr. R. Vadivel
Department of Mathematics,
Faculty of Science and Technology,
Phuket Rajabhat University,
Phuket 83000, Thailand

Convenor:
Dr. P. Geetha
Associate Professor & Head
Department of Mathematics

Coordinators:
Dr. M. Subramanian AP/ Maths
Mr. S. Karthikeyan AP (Sr.G) / Maths

Registration link:
<https://bit.ly/3ueVIUR>

Live Stream on: 

Date: 04 - 02 - 2022
Time: 03:00 P.M.

After it, the resource person has given a wonderful lecture on the proposed topic that showcased his vibrant knowledge to the participants. There were 86 participants in the session and the session was concluded with the vote of thanks again by Dr. M. Subramanian, Assistant Professor Mathematics.

Reinforcing Language Competency - Series 1 - Explore Better Version of Yourself

The Department of English has organized a Student Development Program on “Reinforcing Language Competency,” Series 1 - Explore Better Version of Yourself on 5th February 2022 in association with ELT@I, Coimbatore Chapter and ISTE. It is exclusively for slow learners of first year in order to make them come out of their shell. Dr. T. Sathya and Ms. R. Vidhiya acted as the organizer and co-ordinator respectively. Dr. R. Suguna, Assistant Professor, Indian Academy Degree College, Bangalore acted as the resource person.

Around 94 students participated in the SDP. She explicated how to overcome the difficulties while speaking English and five factors of personalities in her lecture

KPR Institute of Engineering and Technology
Learn Beyond
(Autonomous, NAAC 'A')
Avinashi Road, Araur, Coimbatore.

ELT@I
English Language Teachers
Association of India

SUSTAINABLE DEVELOPMENT GOALS

Department of English
organises a Student Development Program Series on
REINFORCING LANGUAGE COMPETENCY
Series 1: Explore Better Version of Yourself

Dr. R. Suguna
Assistant Professor
Indian Academy Degree College
Bangalore

05.02.2022, Saturday
9:30 AM - 11:00 AM

Google Meet Link
<https://meet.google.com/wov-zqfw-bkt>

Organiser
Dr. Sathya.T
AP (S/G)/English

Coordinator
Ms. Vidhya.R
AP/English

Convener
Dr. Hema.M
ASP & Head/English

which helped the students relate the given traits with their own personality and to explore their better version. She also created a platform for them to acquire the language through her picture stories. The active participation of the students made the resource person extend the timing of the SDP. The doubts of the students were efficiently

clarified during and at the end of the session by the resource person. Through the feedback session, it was clearly identified that the students enjoyed the session and found it useful and informative.

An Orientation on Japanese Language Certification

An Orientation on Japanese Language Certification for the students enrolled for Japanese class was organised by the Department of English on 5th February 2022 at 01.00 p.m. to 4.30 p.m. in Veena Hall with multiple sessions of all the first year students. The sessions highlighted the significance of knowing



Japanese and the employments opportunities for the students with Japanese certification. The instructor, Mr. Praneeth Balasubramanian, Manager - Academic Collaboration, Japanese Plus - SST Global demarcated the modules,

examination centres and proactively cleared the queries of the students. The

students were further informed about the increase in professional value with Japanese certification in placements and higher studies. The foreign language coordinator Dr. Charly Jerome coordinated the event and concluded with the tentative schedule of Japanese language course.

An FDP on Materials Engineering in Device Manufacturing

The Department of Physics organised an FDP on “Materials Engineering in Device Manufacturing” on 5th February 2022 with 85 participants including the faculty members from other colleges. The resource persons were Dr.Ch.Srinivas, Professor of Physics, Nanomaterials and Nanomagnetism Research Laboratory, Sasi Institute of Technology and Engineering, Tadepalligudem and Dr. Pandiayarasan Veluswamy, Assistant Professor, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram. The resource persons have given new insights about Material Engineering in Device Manufacturing which opened up a new pathway in the field. The coordinators Dr. A. Kalaivani, Assistant Professor (Sl.G) and Ms. V. Gayathri, Assistant Professor received positive feedbacks from the participants and the resource person that marks the success of the event.



The poster is for a One day Faculty Development Program on "MATERIALS ENGINEERING IN DEVICE MANUFACTURING". It is organized by the Department of Physics in association with the ISTE Faculty Chapter. The event is held on 5th February 2022. The resource persons are Dr. Ch. Srinivas, Ph.D., Professor of Physics, Nanomaterials and Nanomagnetism Research Laboratory, Sasi Institute of Technology & Engineering, Tadepalligudem, and Dr. Pandiayarasan Veluswamy, Assistant Professor, Indian Institute of Information Technology, Design and Manufacturing (IIITDM), Kancheepuram. The convenor is Ms. S. Bhuvanawari, Head / Physics. The faculty coordinators are Dr. A. Kalaivani, AP/Physics, and Ms. V. Gayathri, AP/Physics. The registration link is <https://forms.gle/9m5YuQLhepyJU27>. The poster also features logos for KPR Institute of Engineering and Technology, Institution's Innovation Council, and ISTE.

Reinforcing Language Competency - Series 2 - Overcoming the Common Hindrances in Language Learning

The Department of English has organized a Student Development Program on “Reinforcing Language Competency,” Series 2 - Overcoming the common Hindrances in Language learning on 12th February 2022 in association with ELT@I, Coimbatore Chapter and ISTE. Dr. T. Sathya and Dr. Charly Jerome acted as the organizer and co-ordinator respectively. Ms. Sarah

Helan Sathya, Assistant Professor, SRM Institute of Science and Technology acted as the resource person. Around 92 students participated in the SDP. She motivated the learners and curb off their apprehension towards language learning. The students had an interactive and lively session. The session began by addressing the basic needs in a language and concluded by disseminating the way and methods of how language learning can be done. The active participation of the students made the resource person extend the timing of the SDP. The doubts of the students were efficiently clarified during and at the end of the session by the resource person. Through the feedback session, it was clearly identified that the students enjoyed the session and found it useful and informative.

The poster is for a Student Development Program Series organized by the Department of English. The title is "REINFORCING LANGUAGE COMPETENCY" and the specific series is "Series 2: Overcoming the Common Hindrances in Language Learning". The resource person is Ms. A. Sarah Helan Sathya, Assistant Professor of English and Foreign Languages at SRM Institute of Science and Technology. The event is scheduled for 12.02.2022, Saturday, from 9:30 AM to 11:00 AM. A Google Meet link is provided: <https://meet.google.com/wov-zqfw-bkt>. The poster also lists the Organiser (Dr. Sathya.T), Coordinator (Dr. Charly Jerome), and Convener (Dr. Hema.M).

Lecture Series I - Introduction to Low-Dimensional Magnetic Materials

A Lecture series on “Introduction to Low-Dimensional Magnetic Materials” was organised by the department of Physics on 15th February 2022.

The poster is for a Lecture Series I on "Introduction to low-dimensional magnetic materials" organized by the Department of Physics at KPR Institute of Engineering and Technology. The resource person is Dr. G. Senthil Murugan, Ph.D., Postdoctoral Researcher at the Institute of Physics, Academia Sinica, Taiwan. The event is scheduled for 15 Feb 2022, from 2:30 pm to 3:30 pm. A registration link is provided: <https://forms.gle/M7AH6WlnSrA5QcYF8>. The poster also lists the Convener (Prof. S. Bhuvanewari) and Coordinator (Dr. K. Prabakaran).

The resource person of the session was Dr. G. Senthil Murugan, Postdoctoral Researcher, Institute of Physics, Academia Sinica, Taiwan. There were 85 participants from various institutions participated in the programme. Through the lecture, the participants learnt the introduction of

low-dimensional magnetic materials in the field and its applications in the research. The coordinator Dr. K. Prabakaran Assistant Professor (Sl.G), formally ended the programme with vote of thanks.

Lecture Series II - Use of Linear Algebra and Numerical Analysis in Hydrodynamics

A One-Day Webinar on “Use of Linear Algebra and Numerical Analysis in Hydrodynamics” was organized by the Department of Mathematics on 22nd February 2022. Dr. K. Karthikeyan, AsP (Sl.G) and Mr. S. Karthikeyan, Assistant Professor, Department of Mathematics were the co-ordinators of the programme. Dr. K. Karthikeyan welcomed the resource person Dr. Sukhendu Ghosh, Assistant Professor, Mathematics IIT Jodhpur, Rajasthan with his welcome address. After his address, Dr. Sukhendu Ghosh took over the session where he gave new understandings on the linear algebra and numerical analysis in hydrodynamics that benefitted the participants. Totally there were 96 participants in the session. The session was ended with the vote of thanks of Dr. M. Subramanian Assistant Professor of Mathematics.

The poster is for a webinar titled "Use of Linear Algebra and Numerical Analysis in Hydrodynamics". It is organized by the Department of Mathematics at KPR Institute of Engineering and Technology, which is an Autonomous institution with NAAC "A" accreditation. The webinar is part of the Mathematics Lecture Series - II. The resource person is Dr. Sukhendu Ghosh, Assistant Professor at the Department of Mathematics, IIT Jodhpur, Rajasthan, India. The webinar is scheduled for February 22, 2022, at 10:30 AM and will be a live stream on Zoom Meeting. The convener is Dr. P. Geetha, AsP/ Head. The co-ordinators are Dr. K. Karthikeyan, AsP/ Maths and Mr. S. Karthikeyan, AP(Sr.G) / Maths. A registration link is provided at the bottom: <https://forms.gle/GipPnNc4jFQz2M21N7>.

Webinar on Spinel based Mixed Metal Oxides for Energy Storage Applications

The Department of Chemistry organized a webinar titled “Spinel based Mixed Metal Oxides for Energy Storage Applications” on 23rd Feb 2022 via Zoom. The resource person of the event was Dr. R. Sivasubramanian, Assistant Professor (Sr.G.) - Chemistry, Nanotechnology - Research, Innovation and



DEPARTMENT OF CHEMISTRY

Lecture Series 1

On

Spinel Based Mixed Metal Oxides for Energy Storage Application

Resource Person



Dr. R. Sivasubramanian
Assistant Professor (Sr.G.) Chemistry
Nanotechnology - Research, Innovation and Incubation Centre
PSG Institute of Advanced Studies
Coimbatore, Tamil Nadu



23/02/2022 (Wednesday)



2.30 PM



<https://bit.ly/3uYZJDC>



Zoom

/KPRIETonline



KPRIET supports the Sustainable Development Goals

Incubation Centre, PSG Institute of Advanced Studies, Coimbatore. The webinar focused on the synthesis of spinel based mixed metal oxides for storage of energy in super capacitors, batteries, etc. There were about 100 members of faculty, research scholars and students of KPR Institute of Engineering and Technology, participated the event and learnt about the proposed topic through the lecture.

An Orientation on Japanese Language Course

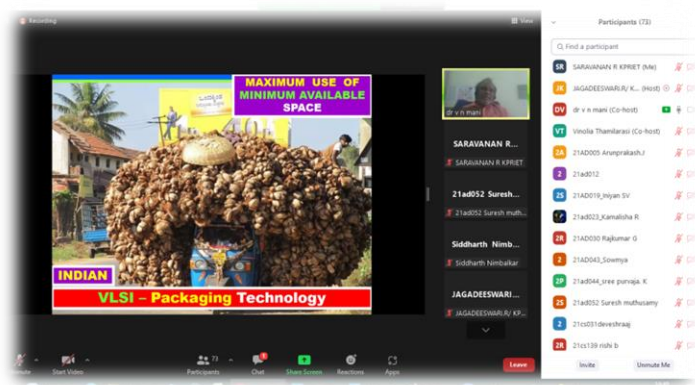
An Orientation on Japanese Language Course for the students who enrolled for Japanese class was organised by the Department of English on 26th February 2022 at 10.00 a.m. in Communication Skills lab. The session highlighted the significance of knowing Japanese and the employments opportunities for the students with Japanese certification. The instructors, Mr. Navaneeth and Mr. Pranith from SST Global consultants



delineated the modules, examination centres and proactively cleared the queries of the students. The students were further informed about the increase in professional value with Japanese certification in placements and higher studies. The foreign language coordinator Dr. Saranya and Dr. Charly Jerome coordinated the event and concluded with the tentative schedule of Japanese language course.

Webinar on Nanodevices for Aerospace Related Smart Electronic Applications

The Department of Chemistry organized a webinar titled “Nanodevices for Aerospace Related Smart Electronic Applications” on 28th February 2022 via



Zoom. The resource person of the event was Dr. V. N. Mani, Principal Scientist, Center for Materials for Electronics Technology, Government of India, Hyderabad. The webinar

focused on the Nanodevices for Aerospace related smart electronic applications, batteries, etc. A Zoom meeting was conducted with 130 members of faculty, research scholars and students of KPR Institute of Engineering and Technology.

Quiz series on Physics

Quiz series on Physics was organised by the Department of Physics on 28th February 2022. Dr. R. Subramaniyan @ Raja, Assistant Professor of Physics coordinated the session. The number of participants was about 204 from the institution.

KPR Institute of Engineering and Technology
Learn Beyond (Autonomous, NAAC "A")
Avinashi Road, Arasur, Coimbatore.

Department of Physics
in association with ISTE students chapter

Conducts

"Quiz series on Physics"

Play the Quiz to self-assess your knowledge on Physics!

Join us at
shorturl.at/svGH3
Grab your e-Certificate securing 50%!

Dr. R. Subramaniyan @ Raja
Assistant Professor (Sr.G) / Physics
Co-ordinator

Prof. S. Bhuvanawari
Head / Physics

Date : 28-02-2022
kpriet.ac.in

There were numerous quizzes from innovative topics in Physics that challenged the participants while answering. On the whole, the session was innovative, informative, challenging and opened up a new dimension the field.

Resource Persons

Dr. R. Saranya, Assistant Professor (Sl.G.) of English has served as a resource person for Experiential Learning Session on “Group Discussion Etiquettes” organised by the Student Affairs, KPRIET on 12th February 2022



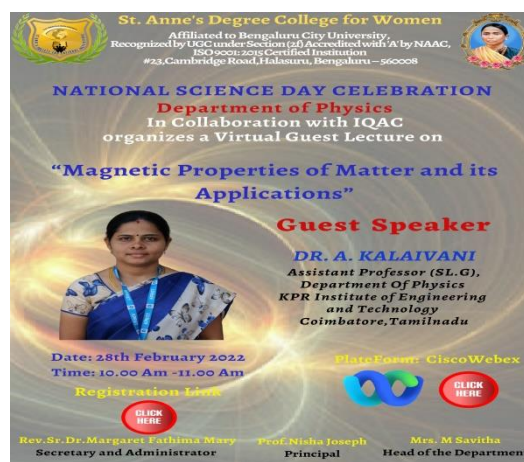
Dr. T. Sathya, Assistant Professor (Sl.G.) of English has served as a resource person for Experiential Learning Session on “Group Discussion Etiquettes” organised by the Student Affairs, KPRIET on 12th February 2022.

Dr. J. Suryakanth, Professor of Physics and Head (Print and Media) has served as a Resource person on the celebration of National Science Day organised by the Department of Mathematics and Innovative Cell of KPRIET on

A flyer for a webinar. It features logos for KPR College of Arts Science and Research, Institutions' Innovation Council, and Sustainable Development Goals. The text reads: 'On Celebration of National Science Day Department of Mathematics & Institution's Innovation Cell jointly organises a Webinar on Scientific Temper and Innovative Mindset for Sustainable Growth'. The guest speaker is Dr. J. Suryakanth, Professor of Physics & Head (Print & Media) at KPRIET. The webinar is on 26.02.2022 at 09.30 a.m. on Zoom with Meeting ID: 961 5652 9800 and Passcode: 290358.

26th February 2022. He has delivered his lecture on the topic “Scientific Temper and Innovative Mindset for Sustainable Growth.”

Dr. A. Kalaivani, Assistant Professor (Sl.G), Department of Physics served as a Resource Person in National Science Day Celebration organised by the Department of Physics, St. Anne’s Degree College for Women, Bangalore. She has delivered her lecture on the topic “Magnetic Properties of Matter and its Applications” in the programme on 28th February 2022.



Faculty Publications

Dr. E. Ranjith Kumar, Assistant Professor of Physics has published a research article titled “Effect of Heat Treatment on Structural, Morphological, Dielectric and Magnetic Properties of Mg-Zn Ferrite Nano Particles” in the SCI journal named *Physica E* in February 2022.

Dr. E. Ranjith Kumar, Assistant Professor of Physics has published an article titled “Preparation of Carbon Quantum Dots using Bike Pollutant Soot: Evaluation of Structural, Optical and Moisture Sensing Properties” in the SCI journal named *Ceramics International* in February 2022

Dr. A. Kalaivani, Assistant Professor of Physics has published a research article titled “Preparation of Bath Temperature Controlled NiFeP Films for MEMS Application” in the SCI journal named *Solid State Communications* in February 2022.

* * * * *