

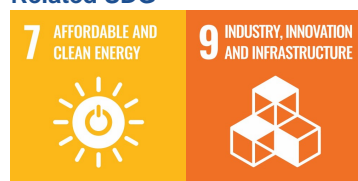
Event Organizing Report - Department of PHY

No	Event Name	Venue	Date Time	Org. Dept.
1	INTERNATIONAL WORKSHOP ON ENERGY MATERIALS AND MODELING FOR FUTURE TECHNOLOGY [EMMFT-2023]	RAGAM HALL	27/11/2023 - 09:25 AM	PHY
2	NANO STRUCTURES FOR ENERGY AND ENVIRONMENTAL APPLICATIONS	https://meet.google.com/cw-yeyg-kcg	25/08/2023 - 03:00 PM	PHY
3	WEBINAR ON "ROOM TEMPERATURE PHOSPHORESCENCE ORGANIC NANOCRYSTALS"		25/08/2023 -	PHY
4	SEMINAR	Thanam Hall	31/10/2023 - 02:30 PM	PHY
5	QUIZ SERIES ON PHYSICS	https://shorturl.at/GRW25	27/02/2023 - 12:00 PM	PHY
6	INNOVATIVE APPROACHES AND OPPORTUNITIES FOR BUDDING ENGINEERS	Thanam Hall	13/02/2023 - 11:00 AM	PHY
7	QUIZ SERIES ON PHYSICS	https://shorturl.at/hqsv1	30/01/2023 - 12:00 PM	PHY
8	QUIZ SERIES ON PHYSICS	https://shorturl.at/hENOW	31/12/2022 - 12:00 PM	PHY
9	QUIZ SERIES ON PHYSICS	https://shorturl.at/afMPPR	28/11/2022 - 12:00 PM	PHY
10	QUIZ SERIES ON PHYSICS	https://shorturl.at/efprs	19/10/2022 - 12:00 PM	PHY
11	LECTURE SERIES-I	Online https://meet.google.com/cqy-pevx-sxb	28/09/2022 - 02:30 PM	PHY
12	QUIZ SERIES ON PHYSICS	shorturl.at/kMO01	07/09/2022 -	PHY
13	Quiz Series on Physics	shorturl.at/DEHV3	17/08/2022 -	PHY
14	Quiz series on Physics	-	14/07/2022 -	PHY
15	Quiz series on physics	shorturl.at/fA478	25/05/2022 -	PHY
16	Physics lecture series 2	-	25/04/2022 -	PHY
17	KPRIET,NANO MATERIALS FOR INNOVATIVE DRUG DESIGN	-	20/04/2022 -	PHY
18	Quiz Series on physics	shorturl.at/pwwFM	12/04/2022 -	PHY
19	Webinar on "Nuclear Technology for sustainable Future"	-	17/03/2022 -	PHY
20	Quiz series on Physics	-	28/02/2022 -	PHY
21	Physics Lecture Series I	-	15/02/2022 -	PHY
22	FDP On"Materials Engineering in Device Manufacturing"	-	05/02/2022 -	PHY
23	High Speed Integrated Photonics Overview and its influence in everyday life	meet.google.com/ury-uog-o-ick	04/02/2022 -	PHY

001: INTERNATIONAL WORKSHOP ON ENERGY MATERIALS AND MODELING FOR FUTURE TECHNOLOGY [EMMFT-2023]

Event No	PHY001
Organizing Department	Physics
Associate Dept. NSC	Centre for Research and Development
Date	27/11/2023
Time	09:25 AM to 05:00 PM
Event Type	Workshop
Event Level	Dept. Level
Venue	RAGAM HALL
Registration Link	https://forms.gle/tbsegHHXvawMY8LR9

Related SDG



Resource Persons

SI	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Prof V Ravindran	Director	Indian Institute of Mathematical Sciences, Taramani, Chennai	ravindra@imsc.res.in	xxxxxxxxxx
2	Resource Person	Prof C R Selvakumar	Professor	University of Waterloo, Canda	selvakumar@uwaterloo.ca	xxxxxxxxxx
3	Resource Person	Dr Martin Britto Dhas	Professor	Sacred Heart College	martinbritto@shcpt.edu	xxxxxxxxxx
4	Resource Person	Dr M Srinivasan	Professor	SSN Engineering College, Chennai	srinivasanm@ssn.edu.in	xxxxxxxxxx

Involved Staffs

SI	Name	Role
1	Shankar H	Convenor
2	HOD_PHYSICS	Co-convenor
3	Ranjith Kumar E	Co-convenor
4	Sivanandam Magudeeswaran	Co-convenor

Outcome

--NA--

Event Summary

--NA--

**International Workshop on
Energy Materials and Modeling for Future Technology
[EMMFT-2023]**

27th November, 2023
 Organized by
**Department of Physics
KPR Institute of Engineering and Technology,**
 Coimbatore-641 027, Tamil Nadu, INDIA
 In association with
Elavenil Science Association

Venue: Ragam Hall
Time: 9.30 AM to 4.00 PM

Keynote Speakers

<p>Prof. C. R. Selvakumar University of Waterloo, Canada Life-Time Achievement Awardee</p>  <p>March of Integrated Circuits and Beyond CMOS</p>	<p>Dr. Martin Britto Das Sacred Heart College, Tirupattur Young Achiever Awardee</p>  <p>Shock Waves Induced Solid State Phase Transitions on Bulk and Nano Materials by Table-Top Semiautomatic Ready Tube</p>	<p>Dr. Lu-Chung Chuang, Tohoku University, Japan</p>  <p>Dynamics of small-angle grain boundaries and lattice dislocations during directional solidification of multi-crystalline silicon</p>	<p>Dr. M. Srinivasan, SSN Institution, Chennai</p>  <p>Indigenous development of Silicon growth process for PV applications; Computational and Experimental approach</p>
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Lab visit

Hands-on Training on Basic Materials Characterization Tools (For Registered Participants Only)

		<ul style="list-style-type: none"> > Basics > Instrumentation > Applications > Hands-on Training 	
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002: NANO STRUCTURES FOR ENERGY AND ENVIRONMENTAL APPLICATIONS

Event No	PHY002
Organizing Department	Physics
Date	25/08/2023
Time	03:00 PM to 04:00 PM
Event Type	Webinar
Event Level	Dept. Level
Meeting Medium	
Meeting Link	https://meet.google.com/ocw-yeyg-kcg
Total Participants	46
Faculty - Internal	16
Faculty - External	4
Students - Internal	6
Students - External	20

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Arpan Kumar Nayak	Research Professor	Konkuk University	irjmt@journals.asianresassoc.org	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Babu Balraj	Convenor

Outcome

Our Department of Physics, KPR institute of Engineering and Technology organized an state level webinar on “Nanostructured Materials for Energy and Environmental Applications” on 25-08-2023 at 3:00 PM through online mode using google meet platform. A total number of 46 participants (external and internal) from actively participated in the programme and benefited.

Event Summary

Our Department of Physics, KPR institute of Engineering and Technology organized an state level webinar on “Nanostructured Materials for Energy and Environmental Applications” on 25-08-2023 at 3:00 PM through online mode using google meet platform. Dr. Arpan Kumar Nayak, Research Professor from Konkuk University, South Korea has delivered the lecture. A total number of 46 participants (external and internal) from actively participated in the programme and benefited. In recent years, metal oxides play a key role in environmental remediation and pollutant sensing and are strategic also in several other applications including energy production, conversion and storage. Metal oxides exhibit a great variety of functional properties, strongly depending on their crystal structure, morphology, composition, intrinsic defects, doping, etc., which determine their optical, electrical, chemical and catalytic properties. Growth methods and process parameters strongly govern the morpho-structural characteristics and therefore the physico-chemical properties of metal oxides. So, in the webinar different methods of preparing nano structures, role of temperature, surfactants on the nanostructures were elaborated in detail. Also, the preparation of various metal oxides using different methods were also discussed. Further, the screening of the prepared nanomaterials for both supercapacitor, battery and photocatalytic applications were discussed with their results. After the webinar session, participants raised the questions and all the questions were promptly answered by the speaker.



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DEPARTMENT OF PHYSICS
SUBJECT EXPERT

Dr. Arpan Kumar Nayak Ph.D
Research Professor
Department of Energy Engineering
Konkuk University, South Korea

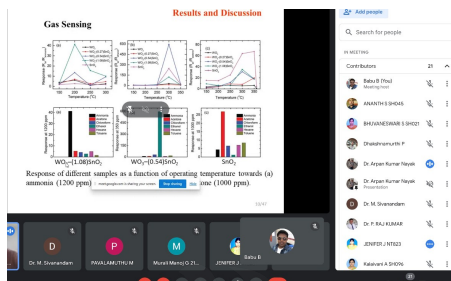
WEBINAR ON
NANO STRUCTURES FOR ENERGY AND ENVIRONMENTAL APPLICATIONS

25-08-2023 | 3:00 PM

Meeting Link <https://meet.google.com/ocw-yeyg-kcc>

kpriet.edu.in | KPRIETonline

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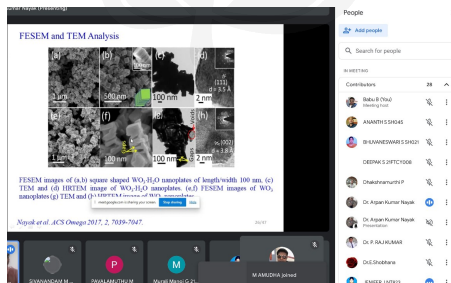
Gas Sensing

Results and Discussion

Response of different samples as a function of operating temperature towards (a) ammonia (1200 ppm) (b) ...

Participants: Babu B Thud, ANANTH S SAGAN, BHANUMESWAR S SHEET, Chaitramurthy P, Dr. Arpan Kumar Nayak, Dr. M. Shanmugan, Dr. P. RAJAKUMAR, JENSEN JINESH, Kalyani S SUDHA

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FESEM and TEM Analysis

FESEM images of (a,b) square shaped WO_3/H_2O nanoparticles of length width 100 nm, (c) TEM and (d) HRTEM image of WO_3/H_2O nanoparticles, (e,f) FESEM images of WO_3 nanoparticles (g) TEM and (h) HRTEM images of WO_3 nanoparticles

Participants: SIVANANDAN M., PRASADKUMAR M., Murali Manoj C D., JENSEN J, M. ANJANA, Dr. Arpan Kumar Nayak, Dr. M. Shanmugan, Dr. P. RAJAKUMAR, Dr. S. Sathya, Dr. S. Sathya

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003: WEBINAR ON “ROOM TEMPERATURE PHOSPHORESCENCE ORGANIC NANOCRYSTALS”

Event No	PHY000
Organizing Department	Physics
Date	25/08/2023
Event Type	Webinar
Event Level	Dept. Level

Related SDG



Outcome

--NA--

Event Summary

--NA--



004: SEMINAR

Event No	PHY003
Organizing Department	Physics
Date	31/10/2023
Time	02:30 PM to 04:00 PM
Event Type	Seminar
Event Level	Dept. Level
Venue	Thanam Hall
Total Participants	337
Industry Personnel	325
Faculty - Internal	12

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Chief Guest	Dr T S Senthil	Professor	Erode Sengunthar Engineering College	drsenthil2004@gmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Kalaivani A	Convenor
2	Gayathri V	Coordinator

Outcome

This programme aims to address these steps. It aims to enable the attendees to view problems from a larger perspective and acquire the skills & knowledge to reach the roots of the problems, utilize the newly acquired skills to analyse and create best solutions using design thinking process. Participants will be introduced to design thinking processes and identify ways to use these processes as a creative tool to develop process improvements prototypes which they can apply and test at their actual workplace

Event Summary

This event was organised for the students of various branches in order to enrich their knowledge in design thinking and innovation. The core purpose of the event is to allow you to work in a dynamic way to develop and launch innovative ideas. The focus of his talk was on identifying struggle points while working on any innovative idea. He emphasized the importance of having a clear vision for innovation and business and searching for options and markets that align with that vision. He also stressed the need for creative and innovative solutions to solve problems and overcome struggle points. In addition to discussing the innovation process, Dr. Senthil also spoke about the benefits of digital marketing and entrepreneurship. He explained how entrepreneurs can leverage digital marketing tools to reach their target audience and drive business growth. Overall, the seminar was an insightful and informative event that provided attendees with valuable knowledge and tools to drive innovation and business growth. By incorporating the insights shared by him, attendees can gain a better understanding of how to identify struggle points and create effective solutions to overcome them.



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005: QUIZ SERIES ON PHYSICS

Event No	PHY019
Organizing Department	Physics
Date	27/02/2023
Time	12:00 PM to 11:55 AM
Event Type	Quiz
Event Level	National
Meeting Medium	
Meeting Link	https://shorturl.at/GRW25

Related SDG



Involved Staffs

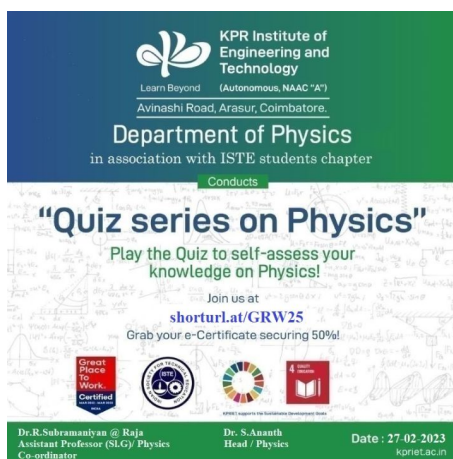
Sl	Name	Role
1	Subramanayan Raja R	Coordinator

Outcome

--NA--

Event Summary

--NA--



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Dr. R. Subramanian @ Raja
Assistant Professor (SLG) Physics
Co-ordinator

Dr. S. Ananth
Head / Physics

Date : 27-02-2023
kpriet.ac.in

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006: INNOVATIVE APPROACHES AND OPPORTUNITIES FOR BUDDING ENGINEERS

Event No	PHY018
Organizing Department	Physics
Date	13/02/2023
Time	11:00 AM to 12:30 PM
Event Type	Seminar
Event Level	Dept. Level
Venue	Thanam Hall
Total Participants	332
Faculty - Internal	12
Students - Internal	320

Related SDG



Resource Persons

SI	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr R Ranjith Kumar	Chief Scientific Officer	Viyen Biotech LLP	biotechranjith@gmail.com	xxxxxxxxxx

Involved Staffs

SI	Name	Role
1	Kalaivani A	Convenor
2	Gayathri V	Co-convenor

Outcome

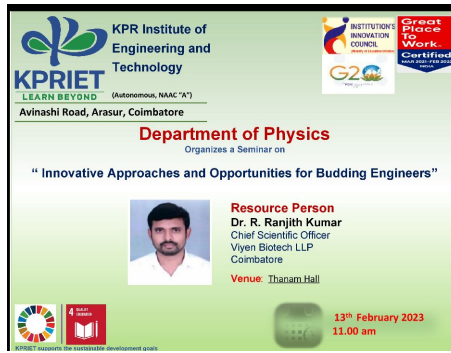
Since start-ups are centers of novel innovations, they generate jobs, which implies more career opportunities; more employment leads to a stronger economy, and a healthier economy has a direct bearing on the growth of cities where startups locate. Students got the awareness about the initiating process for startups and various funding agencies who promotes start ups.

Event Summary

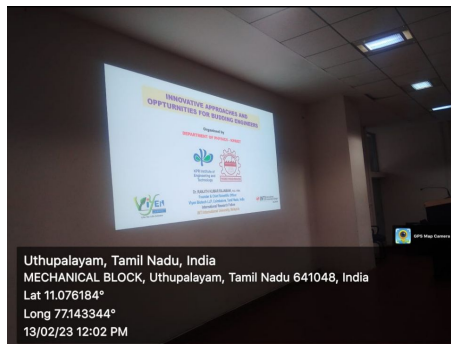
Technology is ambiguously seen both as a friend and a foe. Innovation drives prosperity, and frontier technologies (e.g. AI, robotics, biotechnology, and nanotechnology) could be transformative in achieving the Sustainable Development Goals (SDGs). But rapid advances can have serious downsides if they outpace the ability of societies to adapt. Department of Physics successfully organised a seminar on INNOVATIVE APPROACHES AND OPPORTUNITIES FOR BUDDING ENGINEERS. The session was formally initiated by welcome address followed by special address by resource person Dr.R.Ranjith Kumar, Chief Scientific Officer, Viyen Biotech LLP, Coimbatore. The main aim of the program was to help the students develop entrepreneurial mindset; learn enterprise initiation and development skills. Expert has started his session by explaining importance of Entrepreneurship as a career. After students started realizing the value of business over service they gave some ideas for identification of business opportunities. He also explained to students what skills are required to be an entrepreneur and how can they develop those skills. Moreover he gave focus on how students can do business and they need to improve for the same. Overall session was motivating for the students those are interested for taking a business opportunity The main objective of this seminar is to create awareness among students of Engineering and Science courses about various facts of entrepreneurship as an alternative career option. The idea of organizing this workshop is to inculcate the fundamentals, key concepts of Entrepreneurship in the Science and Technology among students. The session was concluded by humble vote of thanks.

Approximately about 320 students from different branches of engineering successfully participated in the seminar. The seminar was successfully coordinated by the members of Physics department, under the leadership and direction of Dr. S. Ananth towards conducting

the event successfully.



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007: QUIZ SERIES ON PHYSICS

Event No	PHY017
Organizing Department	Physics
Date	30/01/2023
Time	12:00 PM to 12:00 PM
Event Type	Quiz
Event Level	National
Meeting Medium	
Meeting Link	https://shorturl.at/hqsv1
Total Participants	1351
Faculty - Internal	2
Faculty - External	5
Students - Internal	410
Students - External	934

Related SDG



Involved Staffs

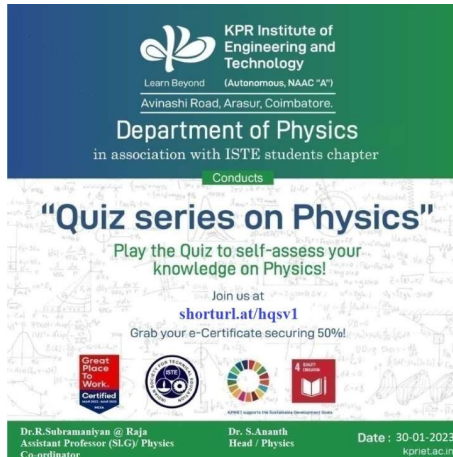
Sl	Name	Role
1	Subramaniyan Raja R	Coordinator

Outcome

Applications of clicker quizzes are easy to use, as most students attend lectures using smartphones, laptops, or notepads. The advantages of these quizzes are that they provide real-time results, increase student engagement.

Event Summary

A national level quiz competition entitled "Quiz series on Physics" was conducted by the Department of Physics, KPR Institute of Engineering and Technology on 30-01-2023. Prof. S. Ananth was the convenor for this quiz series on physics. Dr. R. Subramaniyan @ Raja was the coordinator for this quiz series on physics. The event was organized in association with ISTE Student Chapter – KPRIET. The quiz was conducted online via google forms. The link was opened at 12.00 AM on 30-01-2023. The link was disabled at 11.59 PM on 30-01-2023. There were twenty five quiz questions. The quiz questions were from various branches of physics such as nuclear physics, thermal physics, energy physics, electromagnetic waves, electricity, magnetism, thermodynamics, optics, laser, solar, space and astro physics. Each question carries one marks. The quiz marks were declared immediately. E-certificates were provided for the participants those who scored above 50% in this quiz contest. There was no negative marking. About 1351 participants from different colleges of different states participated in it. The participants who scored above 50% in this quiz contest were 1128. The internal participants are 412 and external participants are 939. Among 412 internal participants, the total number of faculties are 2. The internal student participant count is 410. There are 5 total external faculty participants. The external student count is 934. The external participant percentage is 69. This quiz contest will be a benefit for all aspiring school and college students and participants those who are really interested in physics. Overall the quiz competition was a huge success.



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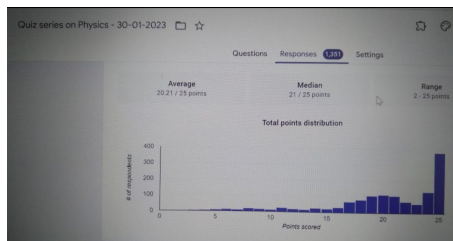
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ISTE
KPRIET supports the Sustainable Development Goals

Dr. R. Subramanian @ Raja
Assistant Professor (SLG) Physics
Coordinator

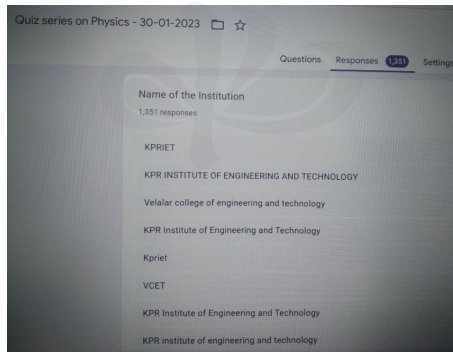
Dr. S. Ananth
Head / Physics

Date : 30-01-2023
kpriet.ac.in

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Quiz series on Physics - 30-01-2023

Questions Responses (135) Settings

Name of the Institution
1,351 responses

KPRIET
KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY
Velalar college of engineering and technology
KPR Institute of Engineering and Technology
Kpriet
VCET
KPR Institute of Engineering and Technology
KPR institute of engineering and technology

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008: QUIZ SERIES ON PHYSICS

Event No	PHY016
Organizing Department	Physics
Date	31/12/2022
Time	12:00 PM to 12:00 PM
Event Type	Quiz
Event Level	National
Meeting Medium	
Meeting Link	https://shorturl.at/hENOW
Total Participants	580
Industry Personnel	2
Faculty - Internal	5
Faculty - External	5
Students - Internal	319
Students - External	244
Other Participants	5

Related SDG



Involved Staffs

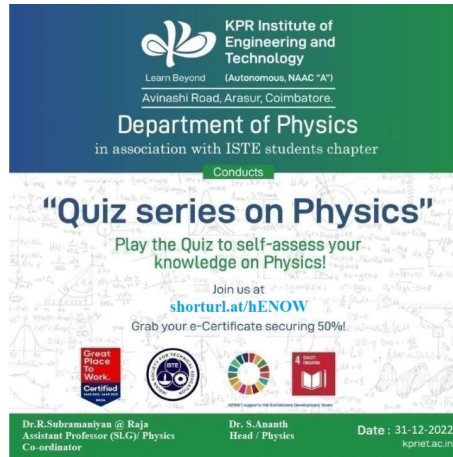
Sl	Name	Role
1	Subramaniyan Raja R	Coordinator

Outcome

Applications of clicker quizzes are easy to use, as most students attend lectures using smartphones, laptops, or notepads. The advantages of these quizzes are that they provide real-time results, increase student engagement.

Event Summary

A national level quiz competition entitled "Quiz series on Physics" was conducted by the Department of Physics, KPR Institute of Engineering and Technology on 31-12-2022. Prof. S. Ananth was the convenor for this quiz series on physics. Dr.R. Subramaniyan @ Raja was the coordinator for this quiz series on physics. . The event was organized in association with ISTE Student Chapter – KPRIET. The quiz was conducted online via google forms. The link was opened at 12.00 AM on 31-12-2022. The link was disabled at 12.00 AM on 01-01-2023. The quiz questions were from various branches of physics such as nuclear physics, thermal physics, energy physics, electromagnetic waves, electricity, magnetism, thermodynamics, optics, laser, solar and space physics. Each question carries one marks. The quiz marks were declared immediately. E-certificates were provided for the participants those who scored above 50% in this quiz contest. There is no negative marking. About 580 participants from different colleges of different states participated in it. The participants who scored above 50% in this quiz contest are 485. The internal participants are 324 and external participants are 256. There are two Industry participants. Among 324 internal participants, the total number of faculties are 5. The internal student participant count is 319. There are 5 external faculty participants. The external student count is 244. The internal participant percentage is 55. This quiz contest will be a benefit for all aspiring school and college students and participants those who are really interested in physics. Overall the quiz competition was a huge success.



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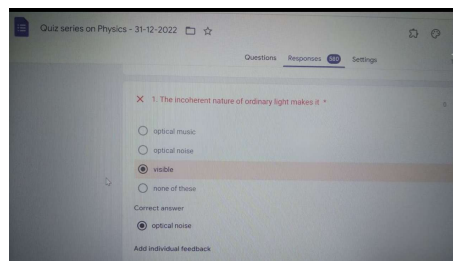
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Assistant Professor (SLG) Physics
Co-ordinator

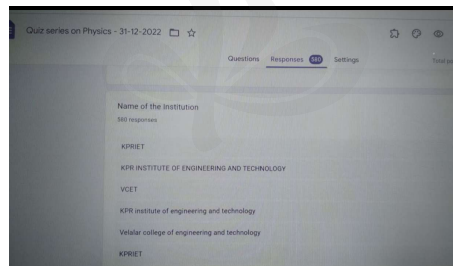
Dr. S-Ananth
Head / Physics

Date : 31-12-2022
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009: QUIZ SERIES ON PHYSICS

Event No	PHY015
Organizing Department	Physics
Date	28/11/2022
Time	12:00 PM to 12:00 PM
Event Type	Quiz
Event Level	National
Meeting Medium	
Meeting Link	https://shorturl.at/afMPR
Registration Link	https://shorturl.at/afMPR
Total Participants	906
Industry Personnel	1
Faculty - Internal	5
Faculty - External	10
Students - Internal	414
Students - External	476

Related SDG



Involved Staffs

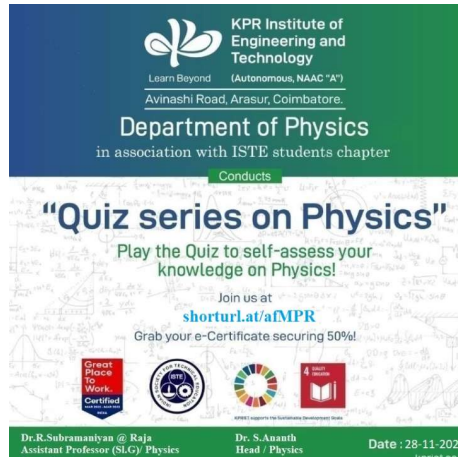
Sl	Name	Role
1	Subramaniyan Raja R	Coordinator

Outcome

Applications of clicker quizzes are easy to use, as most students attend lectures using smartphones, laptops, or notepads. The advantages of these quizzes are that they provide real-time results, increase student engagement.

Event Summary

A national level quiz competition entitled "Quiz series on Physics" was conducted by the Department of Physics, KPR Institute of Engineering and Technology on 28-11-2022. Prof. S. Ananth was the convenor for this quiz series on physics. Dr.R. Subramaniyan @ Raja was the coordinator for this quiz series on physics. . The event was organized in association with ISTE Student Chapter – KPRIET. The quiz was conducted online via google forms. The link was opened at 12.00 AM on 28-11-2022. The link was disabled at 12.00 AM on 29-11-2022. The quiz questions were from various branches of physics such as nuclear physics, thermal physics, energy physics, electromagnetic waves, electricity, magnetism, thermodynamics, optics, laser, solar and space physics. Each question carries one marks. The quiz marks were declared immediately. E-certificates were provided for the participants those who scored above 50% in this quiz contest. There is no negative marking. About 906 students from different colleges of different states participated in it. The participants who scored above 50% in this quiz contest are 779. The internal participants are 419 and external participants are 487. Among 419 internal participants, the total number of faculties are 5. The internal student participant count is 414. There are 10 total external faculty participants. The external student count is 477. The percentage of the internal participant is 46. This quiz contest will be a benefit for all aspiring school and college students and participants those who are really interested in physics. Overall the quiz competition was a huge success.



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Conducts

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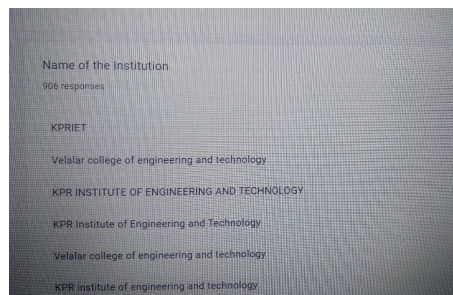
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Grab your e-Certificate securing 50%!

Dr.R.Subramanian @ Raja
Assistant Professor (SLG) Physics

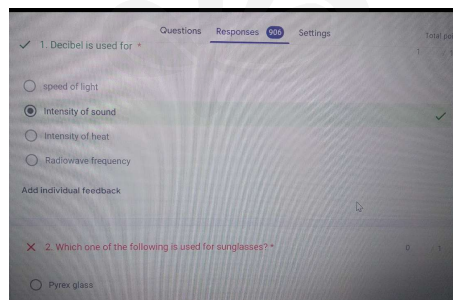
Dr. S.Ananth
Head / Physics

Date : 28-11-2022

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010: QUIZ SERIES ON PHYSICS

Event No	PHY014
Organizing Department	Physics
Date	19/10/2022
Time	12:00 PM to 11:55 AM
Event Type	Quiz
Event Level	National
Meeting Medium	
Meeting Link	https://shorturl.at/efprs
Registration Link	https://shorturl.at/efprS
Total Participants	716
Faculty - Internal	5
Faculty - External	10
Students - Internal	141
Students - External	560

Related SDG



Involved Staffs

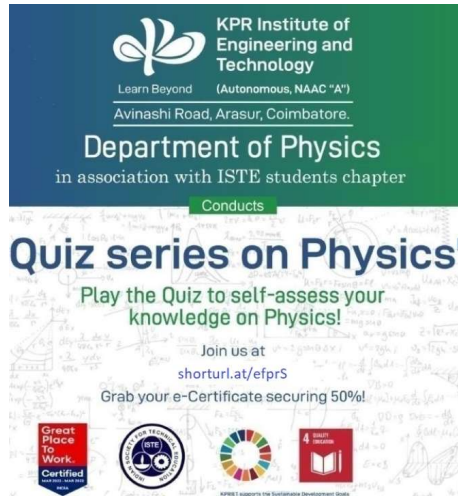
Sl	Name	Role
1	Subramaniyan Raja R	Coordinator

Outcome

Applications of clicker quizzes are easy to use, as most students attend lectures using smartphones, laptops, or notepads. The advantages of these quizzes are that they provide real-time results, increase student engagement.

Event Summary

A national level quiz competition entitled "Quiz series on Physics" was conducted by the Department of Physics, KPR Institute of Engineering and Technology on 19-10-2022. Prof. S. Ananth was the convenor for this quiz series on physics. Dr .R. Subramaniyan @ Raja was the coordinator for this quiz series on physics. . The event was organized in association with ISTE Student Chapter – KPRIET. The quiz was conducted online via google forms. The link was opened at 12.00 AM on 19-10-2022. The link was disabled at 12.00 AM on 20-10-2022. The quiz questions were from various branches of physics such as nuclear physics, thermal physics, energy physics, electromagnetic waves, electricity, magnetism, thermodynamics, optics, laser, solar and space physics. Each question carries one marks. The quiz marks were declared immediately. E-certificates were provided for the participants those who scored above 50% in this quiz contest. There is no negative marking. About 716 students from different colleges of different states participated in it. The participants who scored above 50% in this quiz contest are 625. The internal participants are 146 and external participants are 570. Among 146 internal participants, the total number of faculties are 5. The internal student participant count is 141. There are 10 total external faculty participants. The external student count is 560. This quiz contest will be a benefit for all aspiring school and college students and participants those who are really interested in physics. Overall the quiz competition was a huge success.



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Learn Beyond (Autonomous, NAAC "A")
Avinashi Road, Arasur, Coimbatore.

Department of Physics
in association with ISTE students chapter

Conducts

Quiz series on Physics'

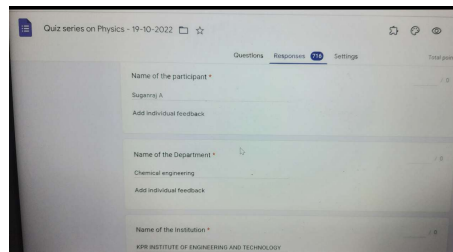
Play the Quiz to self-assess your knowledge on Physics!

Join us at
shorturl.at/efprS

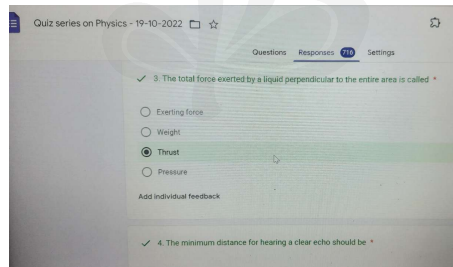
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011: LECTURE SERIES-I

Event No	PHY013
Organizing Department	Physics
Date	28/09/2022
Time	02:30 PM to 03:30 PM
Event Type	Guest Lecture
Event Level	International
Venue	Online
Meeting Medium	
Meeting Link	https://meet.google.com/cqy-pevx-sxb
Total Participants	44
Industry Personnel	2
Faculty - Internal	11
Faculty - External	5
Students - Internal	5
Other Participants	21

Related SDG



Resource Persons

SI	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Dr Haridas Babaso Parse	Postdoctoral Researcher	Department of Materials Science & Engineering Tel Aviv University Israel	haridas.parse90@gmail.com	xxxxxxxxxx

Involved Staffs

SI	Name	Role
1	Prabakaran K	Convenor
2	Gayathri V	Convenor

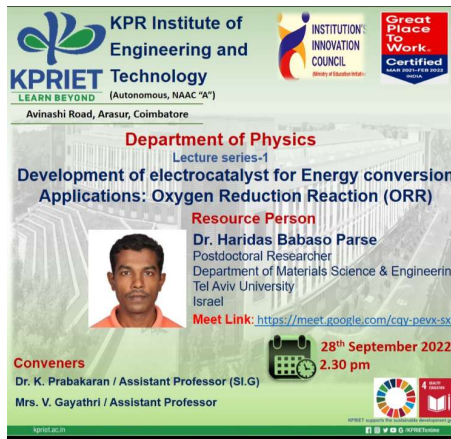
Outcome

Research scholars and faculties gained an idea in electrochemical characterizations

Event Summary

This Lecture Series was conducted by department of physics in association with ISTE Faculty chapter, KPR Institute of Engineering and Technology on 28/09/2022. Dr.K.Prabakaran and Ms.V.Gayathri were the convenors of this lecture series. This lecture series mainly focus on the development of novel electrocatalysts for energy conversion applications. The resource person this lecture series is Dr.Haridass Babaso Parse, Post Doctoral Researcher, Department of Material Science and Engineering, Tel Aviv University, Israel. The resource person addressed the participants with advanced electrocatalyst, synthesis, characterization and the evaluation of activity and performance in Oxygen Reduction Reaction for various energy storage and conversion devices such as fuel cells, water splitting devices and metal-air batteries. The participants were actively interacted with the speaker. The speaker clarify all the doubts arise by the student, research scholars, and external participants as well industry personals. This lecture series was conducted to recall the basic concepts involved in

electrocatalyst for fuel cell applications. We are sure that this lecture series will benefit for all aspiring participants who are interested in preparation of metal free catalyst for alternative energy applications. Understand the electrochemical devices for energy conversion and storage devices such as fuel cells, electrolyzers based on the use of renewable sources. The speaker's research work is mainly focused on two dimensional metal carbide with metal oxide semiconductors for oxygen reduction reaction in fuel cell applications. .



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Department of Physics
Lecture series-1
Development of electrocatalyst for Energy conversion
Applications: Oxygen Reduction Reaction (ORR)

Resource Person
Dr. Haridas Babasa Parse
Postdoctoral Researcher
Department of Materials Science & Engineering
Tel Aviv University
Israel
Meet Link: <https://meet.google.com/cqy-pevx-sxb>

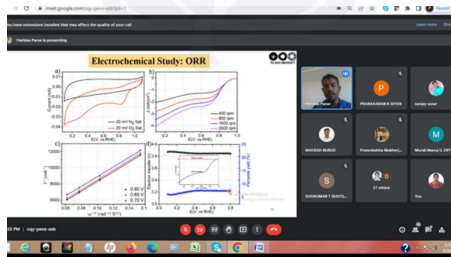
Conveners
Dr. K. Prabhakaran / Assistant Professor (SI.G)
Mrs. V. Gayathri / Assistant Professor

28th September 2022
2.30 pm

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012: QUIZ SERIES ON PHYSICS

Event No	PHY012
Organizing Department	Physics
Date	07/09/2022
Event Type	Quiz
Event Level	National
Venue	shorturl.at/kMO01
Total Participants	361
Faculty - Internal	1
Faculty - External	1
Students - Internal	95
Students - External	264

Related SDG

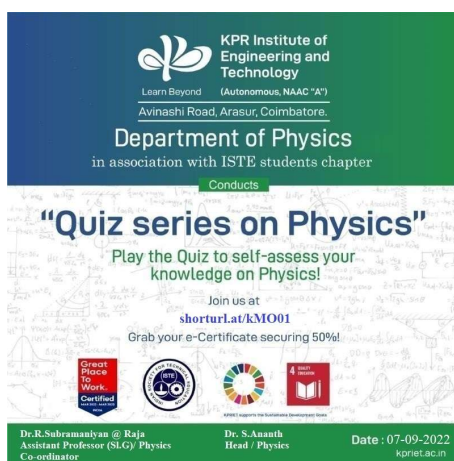


Outcome

This quiz program is targeted for all college and school students who are interested in physics.

Event Summary

This quiz series comprises of 25 multiple choice questions. The questions are from various branches of physics such as nuclear physics, energy physics, electromagnetic waves, solar and space physics. The total participants are 361. The participants who scored above 50% in this quiz contest are 315. The internal participants are 96 and external participants are 265. The quiz questions were set in a fashion to recall the basic concepts with applications in nuclear physics, energy physics, electromagnetic waves, solar and space physics. We are sure that this quiz contest will benefit all aspiring participants who are interested in physics.



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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/kMO01
Grab your e-Certificate securing 50%!

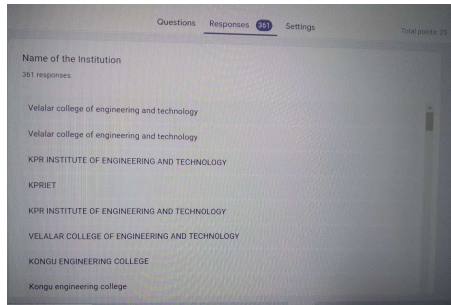
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Dr. R. Subramanyam @ Raja
Assistant Professor (SLG) Physics
Co-ordinator

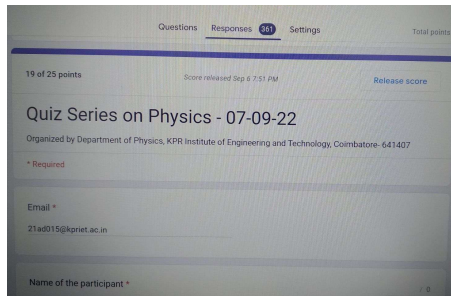
Dr. S. Ananth
Head / Physics

Date : 07-09-2022
kpriet.ac.in

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013: Quiz Series on Physics

Event No	PHY011
Organizing Department	Physics
Date	17/08/2022
Event Type	Quiz
Event Level	National
Venue	shorturl.at/DEHV3

Related SDG

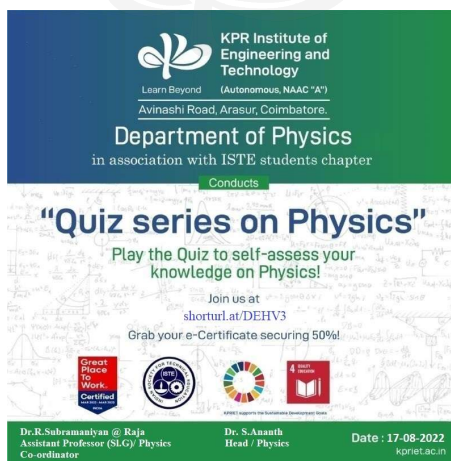


Outcome

This quiz program is targeted for all college and school students who are interested in physics.

Event Summary

This quiz series comprises of 25 multiple choice questions. The questions are from various branches of physics such as nuclear physics, energy physics, electromagnetic waves, solar and space physics. The total participants are 634. The participants who scored above 50% in this quiz contest are 496. The internal participants are 137 and external participants are 497. The quiz questions were set in a fashion to recall the basic concepts with applications in nuclear physics, energy physics, electromagnetic waves, solar and space physics. We are sure that this quiz contest will benefit all aspiring participants who are interested in physics.



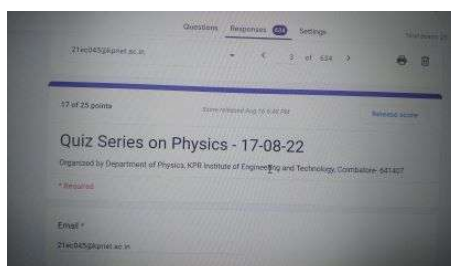
KPR Institute of Engineering and Technology
(Autonomous, NAAC "A")
Avinashi Road, Arasur, Coimbatore.

Department of Physics
in association with ISTE students chapter
Conducts

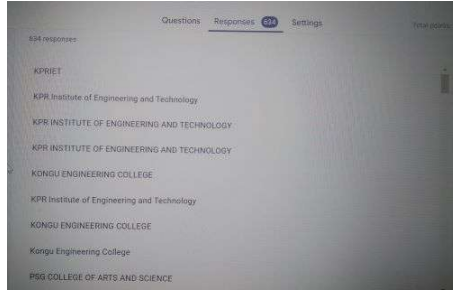
"Quiz series on Physics"
Play the Quiz to self-assess your knowledge on Physics!
Join us at shorturl.at/DEHV3
Grab your e-Certificate securing 50%!

Dr.R.Subramanyam @ Raja Assistant Professor (SLG) Physics Co-ordinator
Dr. S.Ananth Head / Physics
Date : 17-08-2022 kpriet.ac.in

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014: Quiz series on Physics

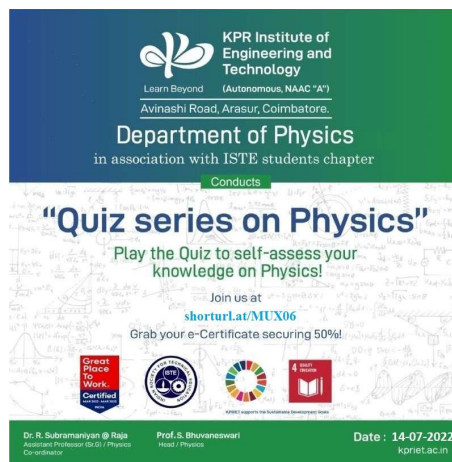
Event No	PHY010
Organizing Department	Physics
Date	14/07/2022
Event Type	Quiz
Event Level	National
Venue	-
Details Link	https://docs.google.com/forms/d/e/1FAIpQLSdqezvrAMSzCKL3qdxw_fOiYrsyIT-rhYduyd8ujNc63X-i_Q/viewform?usp=pp_url
Total Participants	1266
Faculty - Internal	1
Faculty - External	2
Students - Internal	206
Students - External	1057

Outcome

This quiz program is targeted for all college and school students who are interested in physics.

Event Summary

This quiz series comprises of 25 multiple choice questions. The questions are from various branches of physics such as nuclear physics, energy physics, electromagnetic waves, solar and space physics. The total participants are 1266. The participants who scored above 50% in this quiz contest are 1065. The internal participants are 207 (students and faculty) and external participants are 1059 (external students and faculty). The quiz questions were set in a fashion to recall the basic concepts with applications in nuclear physics, energy physics, electromagnetic waves, solar and space physics. We are sure that this quiz contest will benefit all aspiring participants who are interested in physics



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Dr. R. Subramanyan @ Raja
Assistant Professor (SG) / Physics
Coordinator

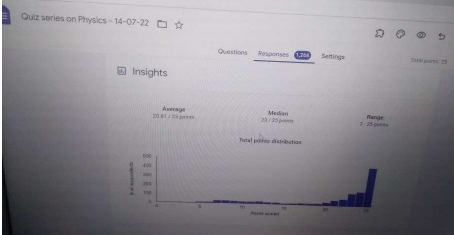
Prof. S. Bhuvaneshwari
Head / Physics

Date : 14-07-2022
kpriet.bc.in

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015: Quiz series on physics

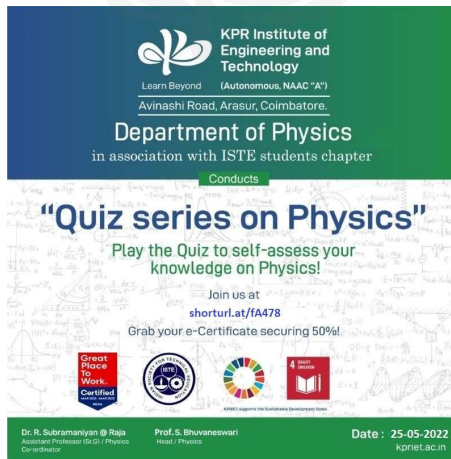
Event No	PHY009
Organizing Department	Physics
Date	25/05/2022
Event Type	Quiz
Event Level	National
Venue	shorturl.at/fa478
Total Participants	1261
Faculty - Internal	1
Faculty - External	2
Students - Internal	183
Students - External	1075

Outcome

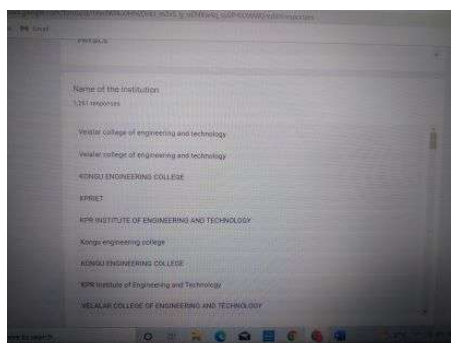
This quiz program is targeted for all college and school students who are interested in physics.

Event Summary

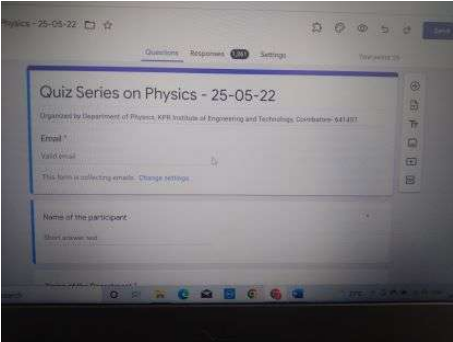
This quiz series comprises of 25 multiple choice questions. The questions are from various branches of physics such as nuclear physics, energy physics, electromagnetic waves, solar and space physics. The total participants are 1261. The participants who scored above 50% in this quiz contest are 1195. The quiz questions were set in a fashion to recall the basic concepts with applications in nuclear physics, energy physics, electromagnetic waves, solar and space physics. We are sure that this quiz contest will benefit all aspiring participants who are interested in physics.



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016: Physics lecture series 2

Event No	PHY008
Organizing Department	Physics
Date	25/04/2022
Event Type	Guest Lecture
Event Level	International
Venue	-
Details Link	https://meet.google.com/uez-suxy-wox
Total Participants	71
Industry Personnel	5
Faculty - Internal	10
Faculty - External	10
Students - Internal	15
Students - External	31

Outcome

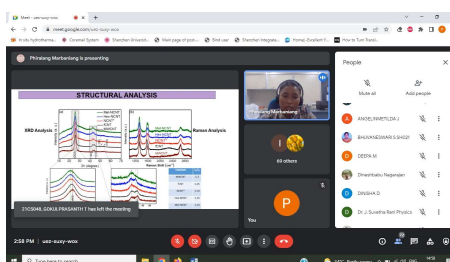
New approach to replace metal based electrocatalysts. Basics about different types of fuel cells.

Event Summary

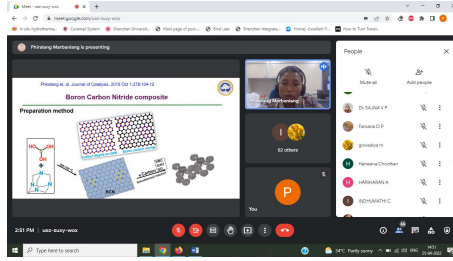
This lecture series-I was successfully conducted by Department of Physics, KPR Institute of Engineering and Technology on 25.04.2022. Dr. K. Prabakaran was the coordinator of this Lecture series-II. This lecture series mainly focuses on the Metal-free electrocatalysts for oxygen reduction reaction. Dr. Phiralang Marbaniang from Department of Chemistry, Indian Institute of Technology Madras, Chennai-600036 was the speaker of this lecture series-II. The total participants are 72 in number. The participants were actively interacted with the speaker. This lecture series was conducted to recall the basic concepts involved in electrocatalyst for fuel cell applications. We are sure that this lecture series will benefit for all aspiring participants who are interested in preparation of metal free catalyst for alternative energy applications.



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017: KPRIET,NANO MATERIALS FOR INNOVATIVE DRUG DESIGN


Event No	PHY007
Organizing Department	Physics
Date	20/04/2022
Event Type	Webinar
Event Level	National
Venue	-
Details Link	https://forms.gle/RnxwF1GfqtAsqHX9
Total Participants	55
Faculty - Internal	14
Faculty - External	15
Students - Internal	15
Students - External	10
Other Participants	1

Outcome

The NANOMATERIALS FOR INNOVATIVE DRUG DESIGN webinar was focussed towards college students and faculties.

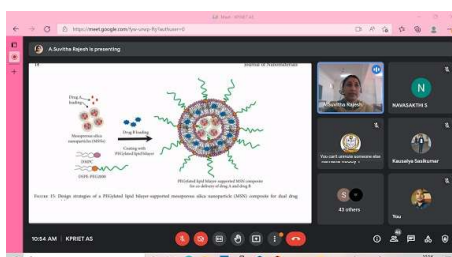
Event Summary

The webinar on "NANOMATERIALS FOR INNOVATIVE DRUG DESIGN" was conducted successfully on 20.04.2022 by the department of Physics. The resource person, Dr.A.Suvitha delivered the drug design basics, requirements and research involved. It was an eye opener for the students, faculties and researchers working on drug design. A total of 55 participants were benefitted from this webinar. Dr. J. Suryakanth, Professor of Physics welcomed the participants and Dr. S. Ananth, Professor of Physics proposed the vote of thanks. Ms. S. Bhuvaneshwari, HoD of physics convened the webinar.



The poster features the KPR Institute of Engineering and Technology logo at the top left, with the text "Learn Beyond (Autonomous, NAAC 'A')". To the right is the "Great Place to Work Certified" logo. The central text reads "DEPARTMENT OF PHYSICS Organizes Webinar on Nanomaterials for Innovative Drug Design". Below this is a graphic of a pill and a molecular structure, and a portrait of Dr. A. Suvitha, Associate Professor at CMR Institute of Engineering and Technology, Bangalore. The event date is "20th APRIL '22" from 10:30 AM to 11:30 AM. A registration link is provided: <https://forms.gle/Vq2mA1BvBUrsEH7>. At the bottom, the roles of the conveners (Ms. S. Bhuvaneshwari, HoD Physics), faculty coordinators (Dr. J. Suryakanth Prof. / Physics, Dr. S. Ananth Prof. / Physics), and student coordinators (Ms. Ritha Jameela A. - I BME, Mr. Madhavan M. - I BME) are listed.

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018: Quiz Series on physics

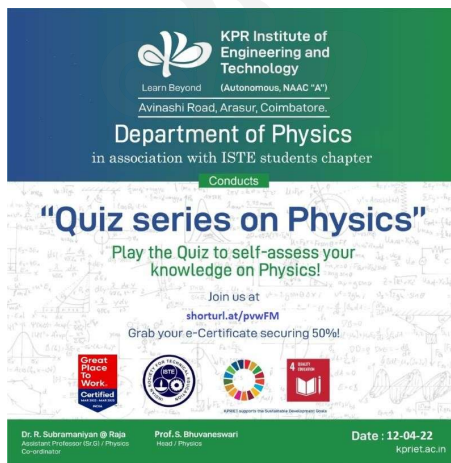
Event No	PHY006
Organizing Department	Physics
Date	12/04/2022
Event Type	Quiz
Event Level	National
Venue	shorturl.at/pvwFM
Total Participants	382
Students - Internal	134
Students - External	248

Outcome

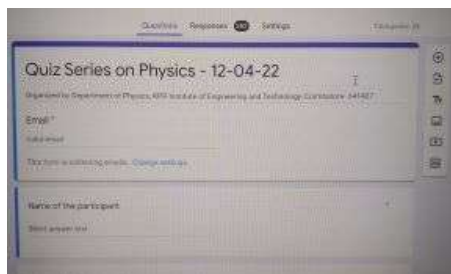
This quiz program is targeted for all college and school students who are interested in physics.

Event Summary

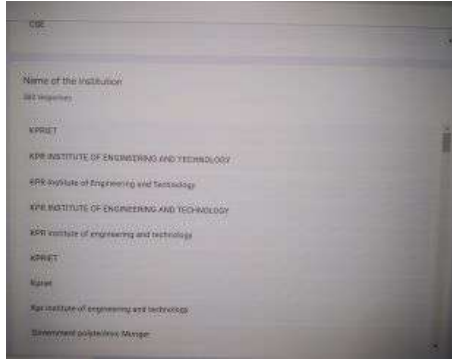
This quiz series comprises of 25 multiple choice questions. The questions are from various branches of physics such as nuclear physics, energy physics, electromagnetic waves, solar and space physics. The total participants are 382. The participants who scored above 50% in this quiz contest are 284. The quiz questions were set in a fashion to recall the basic concepts with applications in nuclear physics, energy physics, electromagnetic waves, solar and space physics. We are sure that this quiz contest will benefit all aspiring participants who are interested in physics.



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019: Webinar on "Nuclear Technology for sustainable Future"

Event No	PHY005
Organizing Department	Physics
Associate Dept. NSC	International Society for Technology in Education
Date	17/03/2022
Event Type	Webinar
Event Level	State
Venue	-
Details Link	https://meet.google.com/hhk-pekq-rya
Total Participants	33
Faculty - Internal	8
Faculty - External	13
Students - Internal	12

Outcome

This webinar was conducted for predicting the modern sustainable future on delivering the benefits of access to modern, affordable and reliable energy to all.

Event Summary

This webinar was conducted by Department of Physics in association with ISTE Faculty chapter, KPR Institute of Engineering and Technology on 17.03.2022. Ms. V. Gayathri and Dr.A. Kalaivani were the coordinators of this webinar. This webinar mainly focuses on the recent development of nuclear technology for sustainable future. The resource person of this webinar is Dr. Ramasamy Rajesh Kumar, Research Scientist in the Institute of Nuclear agricultural sciences, Zhejiang University, China. The resource person addressed the participants with sustainable developments that meet the needs of the present, without compromising the ability of future generations to meet their own. The total participants are 37 in number. This webinar was conducted for predicting the modern sustainable future on delivering the benefits of access to modern, affordable and reliable energy to all.



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Aruneshi Road, Arasur, Coimbatore

INSTITUTION'S INNOVATION COUNCIL
Ministry of Education, Government of India

DEPARTMENT OF PHYSICS
In association with
ISTE FACULTY CHAPTER
Organizes a Webinar on
Nuclear Technology for Sustainable Future

Resource Person

Dr. Ramasamy Rajesh Kumar
Research Scientist
Institute of Nuclear-Agriculture Sciences (INAS),
Key Laboratory of Nuclear Agricultural Sciences of Ministry of
Agriculture of P.R. China,
College of Agriculture and Biotechnology,
Zhejiang University, China.

17th March 2022
10.30 AM - 11.30 AM

Convener
Prof.S.Bhuvanawari
Head / Physics

Faculty Coordinators
Ms.V.Gayathri
AP/Physics
Dr.A.Kalaivani
AP/Physics

Registration link : <https://forms.gle/gKbD8TF4rocshp18>

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020: Quiz series on Physics

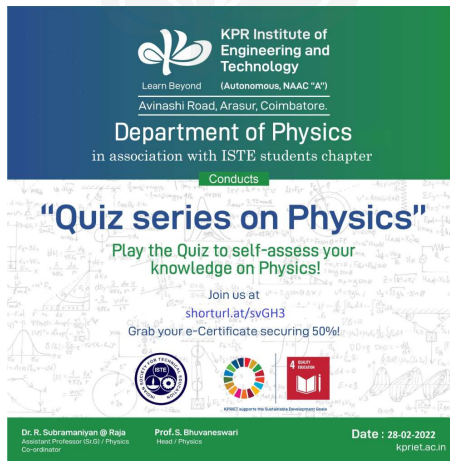
Event No	PHY004
Organizing Department	Physics
Date	28/02/2022
Event Type	Quiz
Event Level	National
Venue	-
Details Link	https://docs.google.com/forms/d/e/1FAIpQLSf90nbL_yQjseb0jZbmTPCYePFwfEfG1TKPLqhKGi8U878IPw/viewform?usp=pp_url
Total Participants	351
Students - Internal	101
Students - External	250

Outcome

This quiz program is targeted for all college and school students who are interested in physics.

Event Summary

This quiz series comprises of 25 multiple choice questions. The questions are from various branches of physics such as nuclear physics, energy physics, electromagnetic waves, solar and space physics. The total participants are 351. The participants who scored above 50% in this quiz contest are 297. The quiz questions were set in a fashion to recall the basic concepts with applications in nuclear physics, energy physics, electromagnetic waves, solar and space physics. We are sure that this quiz contest will benefit all aspiring participants who are interested in physics.



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Department of Physics
in association with ISTE students chapter

Conducts

"Quiz series on Physics"

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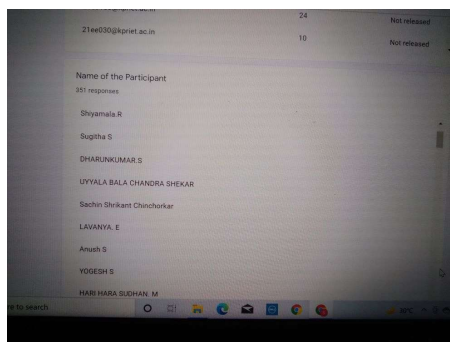
Join us at shorturl.at/svGH3
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Dr. R. Subramanian @ Raja
Assistant Professor (S/G) / Physics
Coordinator

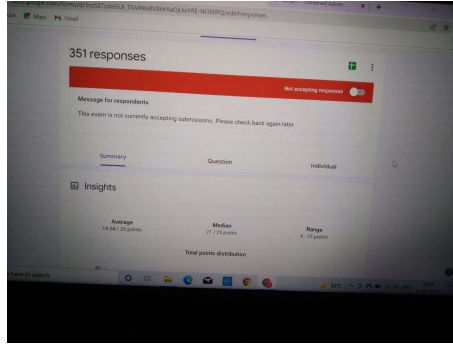
Prof. S. Bhuvaneshwari
Head / Physics

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

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021: Physics Lecture Series I

Event No	PHY003
Organizing Department	Physics
Date	15/02/2022
Event Type	Expert Discussion (Online)
Event Level	International
Venue	-
Details Link	https://meet.google.com/zdj-dfsh-vte

Outcome

1. More than 260 candidates registered for Physics lecture series-1 2. Total 100 hundred participants were attended from national and international academic/research institutions. 3. E-certificate issued to the participants.

Event Summary

This lecture series-I was successfully conducted by Department of Physics, KPR Institute of Engineering and Technology on 15.02.2022. Dr. K. Prabakaran was the coordinator of this Lecture series-I. This lecture series mainly focuses on the Introduction to low-dimensional magnetic materials. Dr. G. Senthil Murugan from Institute of Physics, Academia Sinica, Taiwan was the speaker of this lecture series-I. The total participants are 100 in number. The participants were actively interacted with the speaker. This lecture series was conducted to recall the basic concepts involved in low dimensional magnetic materials. We are sure that this lecture series will benefit for all aspiring participants who are interested in preparation of magnetic materials.



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DEPARTMENT OF PHYSICS

Lecture series I on
Introduction to low-dimensional magnetic materials

Resource Person
Dr. G. Senthil Murugan, Ph.D.
Postdoctoral Researcher,
Institute of Physics, Academia Sinica, Taiwan.

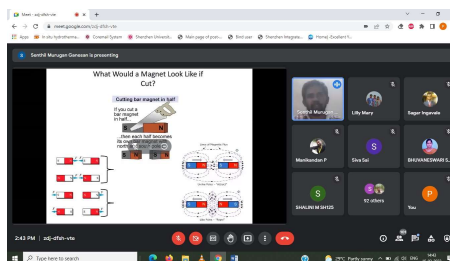
Registration Link
<https://forms.gle/MTAHSWnSASQcYFB>
15 Feb 2022 2:30 pm to 3:30pm

Convener
Prof. S. Bhuvanewari / Head

Coordinator
Dr. K. Prabakaran/Assistant Professor (SLG)

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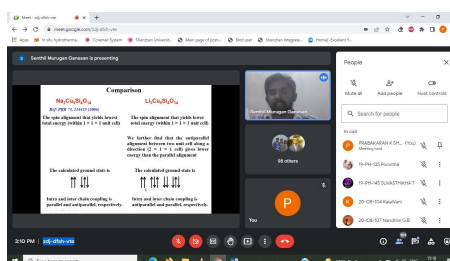


What Would a Magnet Look Like if Cut?

Cutting bar magnet in half?

What happens to the poles?

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Chemical formulas: Fe^{2+} , Fe^{3+}

Text: The spin alignment that yields lowest total energy results in $\uparrow\uparrow\uparrow$ spin state.

Text: The spin alignment that yields lowest total energy results in $\uparrow\uparrow\downarrow$ spin state.

Text: The spin alignment that yields lowest total energy results in $\uparrow\downarrow\downarrow$ spin state.

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022: FDP On "Materials Engineering in Device Manufacturing"

Event No	PHY002
Organizing Department	Physics
Associate Dept. NSC	International Society for Technology in Education
Date	05/02/2022
Event Type	FDP
Event Level	National
Venue	-
Details Link	https://meet.google.com/qxn-hpxo-umc
Total Participants	85
Faculty - Internal	15
Faculty - External	55
Students - Internal	15

Outcome

One day Faculty Development Program on " Materials Engineering in Device Manufacturing" was very informative and useful session for both faculty members and students to carry out their future research perspectives.

Event Summary

This FDP was conducted by Department of Physics in association with ISTE Faculty chapter, KPR Institute of Engineering and Technology on 05.02.2022. Dr.A. Kalaivani and Ms. V. Gayathri were the coordinators of this FDP. This FDP mainly focuses on the fabrication of energy storage devices. Dr. Ch.Srinivas from Sasi Institute of Technology and Engineering, Andrapradash was the speaker of this FDP in Session-1. The speaker addressed the participants with Magnetic materials and its applications. The total participants are 85 in number. The participants were actively interacted with the speaker. In the afternoon session Dr.Pandiyarasan Veluswamy had given a talk regarding thermoelectric properties of different materials and its applications. This FDP was conducted to recall the basic concepts involved in device manufacturing. We are sure that this FDP will benefit for all aspiring participants who are interested in device manufacturing.



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023: High Speed Integrated Photonics Overview and its influence in everyday life

Event No	PHY001
Organizing Department	Physics
Associate Dept. NSC	Centre for Research and Development
Date	04/02/2022
Event Type	Webinar
Event Level	International
Venue	meet.google.com/ury-uogo-ick

Outcome

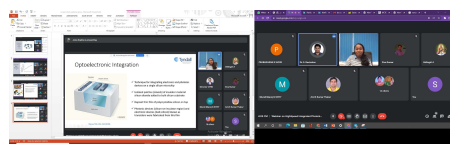
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Event Summary

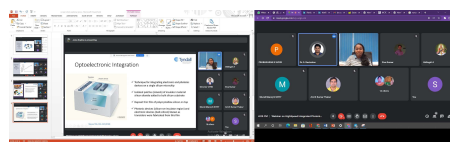
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