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Physik

ALOYSIAN PHYSICS NEWS LETTER

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St.Aloysius College , Edathua, Alappuzha

Department of Physics commenced its functioning in 1965. The department was raised to a full-fledge one in 1981 by starting B.Sc Physics main course with Chemistry and Mathematics as complementary courses. M.Sc course with Material Science as specialisation started in 1981. UGC sponsored Model III course, Electronic Equipment Maintenance (EEM), was also launched in 2001 under the Physics department. Now there are seven faculties in the department with Dr. Jochan Joseph as Principal of the College and Prof. Rosmin John as the Head of the Department. Among our seven faculty members, three are PhD holders and one M.Phil holder. The remaining ones are working towards their doctoral degree. The department was upgraded to a research department on 2018 with Dr. Jochan Joseph and Dr. Lakshmi Vijayan as research guides. The Department is well equipped with necessary facilities and resources for teaching, higher learning and research under the financial support from DST FIST programme. Aloysian Instrumentation facility and Research Lab is very useful for the students to carry out their research. This facility is open for outside students also. The department facilitates general lab, computer lab and electronics lab for postgraduate students, and one general and computer lab for Undergraduate students. Almost 1000 books, 13 journals and periodicals are available in the department library. Every year the Department conducts Sky Watching programmes under the leadership of the Astronomy club. The alumni forum – Diamond Dual, annual meeting is conducted on second Saturday of February. The department conducts invited lectures and seminars by renowned resource persons based on relevant topics in physics. There are 16 endowments instituted by the former faculty and well-wishers for the outstanding students. In fond memory of late Prof. Sabu Jacob, every year, the department conducts Prof. Sabu Jacob Memorial All Kerala Intercollegiate Science Quiz competition.

PRINCIPAL'S MESSAGE

The department of physics has the privilege of having a healthy, harmonious ambience and rich values which have played pivotal role in shaping the future of innumerable students. The College has made tremendous progress in all areas academic, non-academics, capacity building relevant to staff and students. A News Letter is like a mirror which reflects the clear picture of all sorts of activities undertaken by a Department and develops writing skills among students in particular and teaching faculty in general. I congratulate the Editorial Board of this News Letter who have played wonderful role in accomplishing the task in Record time. I express my deep sense of gratitude to Mrs. Rani George under whose guidance this work has been undertaken and completed within the stipulated time. Also my heartiest Congratulations to staff members and students for their fruitful effort.



With Best Wishes.

Dr.Jochan Joseph

HOD'S MESSAGE

I have great pleasure in publishing the fifth volume of annual newsletter of Research and Post Graduate Department of Physics PHYSIK-2021 for the academic year 2020-2021. Amidst the fearful and challenging situations brought by the pandemic Covid-19 all around the world, it has been an eventful exciting year for our department in many aspects. We have had a series of programmes such as International and National webinars, Online quizzes, International -National Day observations, Cultural programmes which were conducted in online platforms and LED Bulbmaking workshop for parents and students. The news letter highlights the various activities and achievements of our students and faculty members during the past one year.



We are truly grateful to College Manager Rev.Fr. Mathew Chooravady and Principal Dr.Jochan Joseph for all the supports they give in all our ventures. I sincerely appreciate and want to thank and congratulate all the Editorial board members especially Mrs.RaniGeorge ,and all our teachers for the effort they taken for the completion of our newsletter PHYSIK-2021.

Mrs. Rosmin John

ALL KERALA PHYSICS TALENT SEARCH EXAMINATION 2020

To identify the talent among undergraduate Physics students and motivate them to pursue research careers in Physics, Academy of Physics Teachers Kerala (APT) conducted All Kerala Physics Talent Search Examination on 1/09/2020 online mode. 31 students of the department participated in the examination. Jisa Varghese of I DC physics cleared the first round of the examination and Dr. Lakshmi Vijayan was the Local Coordinator of the programme

PHYSICS ASSOCIATION INAUGURATION

Physics Association for the academic year 2020-2021 was officially inaugurated on 28th September at Google meet platform. Prof. Rani George, association president welcomed the meeting. Principal Dr Jochan Joseph gave message. Vice Principal Prof Kochuthressiamma Joseph delivered the keynote address. 2020-2021 Physics Association was inaugurated by Dr. Marina Aloysius, HOD Physics, Assumption College Changanacherry. H.O.D Prof Rosmin John presented a felicitation. 'Physik' Aloysian Physics Newsletter 2019-2020 was published by Prof. Rosmin John, HOD. Student's passout in 2020 were honored for their academic excellence. Sona Joney, association secretary proposed the vote of thanks



ASSOCIATION INAUGURATION 2020-2021
SEPTEMBER 28, MONDAY 11 am

Chief guest: Dr Marina Aloysius, HOD Physics, Assumption college, Changanacherry

Webinar Series no:3-"SATELLITE REMOTE SENSING IN CLIMATE STUDIES"


PROGRAMME

PRAYER
WELCOME SPEECH: PROF. RANI GEORGE (ASSOCIATION PRESIDENT)
Principal's message: Dr Jochan Joseph
KEYNOTE ADDRESS: PROF. KOCHUTHRESSIAMMA JOSEPH (VICE PRINCIPAL)
Inauguration: Dr Marina Aloysius, HOD Physics, Changanacherry
SOLO
FELICITATION: PROF. ROSMIN JOHN (HOD)
DANCE
NEWSLETTER PUBLISHING
Honouring passout students for academic excellence (video presentation)
Webinar Series 3 on-"Satellite Remote Sensing in climate studies"- by Dr Marina Aloysius
VOTE OF THANKS: SONA JONEY

YOU ARE CORDIALLY INVITED BY,
PROF. ROSMIN JOHN (HOD)
PROF. RANI GEORGE (ASSOCIATION PRESIDENT)
SONA JONEY (ASSOCIATION SECRETARY)

ONAM CELEBRATION

"Vettilerunonam" association onam celebration was celebrated on 27th August at Google meet platform. Sona Joney, association secretary welcomed the gathering. Principal Dr. Jochan Joseph presented a felicitation. H.O.D Prof. Rosmin John delivered the onam message. Various onam programmes were presented by the students. All teachers and non-teaching gave onam wishes to the students. Online onam competitions Malayali maran and Malayali manka for the department students and cooking and troll contest as inter department competition were also conducted. Devika Biju, association joint-secretary proposed the vote of thanks.



ST ALOYSIUS COLLEGE DEPARTMENT OF PHYSICS

STAY HOME STAY SAFE

അവതരണങ്ങൾ

28.08.2020


11am - 1pm

Programmes

Introduction
Welcome Speech : Sona Joney
Felicitation : Dr. Jochan Joseph (Principal)
Competition : അനാമിതാ അനാമിതാ
Onam Message : Prof. Rosmin John (HOD)
Video Presentation
Solo Cultural Programmes
Onam Wishes - Video
Vote of Thanks : Devika Biju

SOFT SKILL TRAINING PROGRAMME

A soft skill training on 'Creative Visualization' was organized by Department of Physics on 29 April 2021 on Google meet platform. Sunish Thomas, sports Editor, Malayala Manorama explained the different creative aspects in the visual media and gave a hands-on training on the same. Mr. Babu K Thomas, Assistant Professor was the convener and Shruvan and Sona Sara Sanu of first year BSc were the student co-ordinators of the programme.



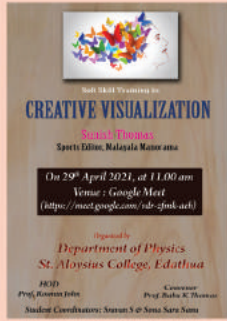
Soft Skill Training in **CREATIVE VISUALIZATION**
29 Thursday, April 2021
Time : 11.00 am

Venue: Google Meet
(<https://meet.google.com/td-jfmk-ach>)

On 29th April 2021, at 11.00 am

Venue : Google Meet
(<https://meet.google.com/td-jfmk-ach>)

Department of Physics
St. Aloysius College, Edathua




Soft Skill Training in **CREATIVE VISUALIZATION**
Sunish Thomas
Sports Editor, Malayala Manorama

On 29th April 2021, at 11.00 am

Venue : Google Meet
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Department of Physics
St. Aloysius College, Edathua



Sunish Thomas has 20 years of experience in Print Media. He has worked in various capacities in Journalism and Mass Communication. He has covered 2 prestigious FIFA Football World Cups for Malayala Manorama in 2002 (South Africa), and 2014 (Brazil). Sunish Thomas qualified distance correspondence. He successfully completed 2011 batch of UGC course conducted by Distance Ministry of India. He has passed 7 books, St. Aloysius (Biography) and Yatra 25 (Travelogue). Yatra 25 has been translated into English as well. (Published by Manorama Books)

OZONE DAY CELEBRATION

As part of World Ozone Day Celebration on 16th September 2020 department conducted a photography and poster making competitions in online mode. An online quiz based on the theme 'ozone day' was conducted by Mrs. Rosmin John via google forms from 6 to 8 pm on the same day. Around 600 participants from all around the country participated in the quiz competition. Certificates were distributed to those participants who cleared 50% of the questions.



ST ALOYSIUS COLLEGE EDATHUA DEPARTMENT OF PHYSICS PRESENTS

PHOTOGRAPHY CONTEST

1st: 2500
2nd: 2500

THEME: OZONE FOR LIFE!

- Must be theme related
- Should be own work
- Creative is required

Sent your entries before September 25, 09pm to rosminj@staloysius.edu or 0112311414



ST. ALOYSIUS COLLEGE EDATHUA DEPARTMENT OF PHYSICS

world **OZONE** day

3

OZONE FOR LIFE

PHOTOGRAPHY AND POSTER MAKING COMPETITION



ST. ALOYSIUS COLLEGE, EDATHUA

WORLD OZONE DAY 2020

ONLINE QUIZ COMPETITION

Conducted by Department of Physics

in Association with Nature and Energy Club, QRC Club and IQAC, St. Aloysius College, Edathua

Convener: Rosmin John
HOD Department of Physics
Coordinator: Sona Joney
Faculty: Department of Physics
Contact: 0112311414 / 09959259493

REWARDS
1st: 5000
2nd: 2500

SEND YOUR POSTERS BEFORE 25 SEPTEMBER, 4PM

ranigeorge17@gmail.com
contact: 0112311414

ORIENTATION PROGRAMME

Department of physics conducted an orientation session on 'Career Prospects and Preparation' on 6 may 2021. Mrs. Josy Thomas, career guidance Analyst from Bahrain was the resource person. Mr. Babu K Thomas, Assistant Professor was the convener and Midhun and Lakshmi A.K., of first year BSc Physics were the student co-ordinators of the programme.



Research & Post Graduate Department of Physics
St. Aloysius College, Edathua

Career Prospects and Preparation

06 Thursday, May 2021
Time: 6.00 pm

Venue: Google Meet
(<https://meet.google.com/td-jfmk-ach>)

On 06th May 2021, at 6.00 pm

Venue : Google Meet
(<https://meet.google.com/td-jfmk-ach>)

Department of Physics
St. Aloysius College, Edathua



Research & Post Graduate Department of Physics
St. Aloysius College, Edathua

Career Prospects and Preparation

06 Thursday, May 2021
Time: 6.00 pm

Venue: Google Meet
(<https://meet.google.com/td-jfmk-ach>)

On 06th May 2021, at 6.00 pm

Venue : Google Meet
(<https://meet.google.com/td-jfmk-ach>)

Department of Physics
St. Aloysius College, Edathua



Josy Thomas is a Career Guidance Professional, now based in Bahrain. She is a native of Ponnur in Kottayam District. After Graduation in History, pursued PG Diploma in Journalism & Communication from Press Club, Kottayam. Then, worked as a Sub-editor at Mangalam Publications for 5 years. After moving to Bahrain, took up the role of a career counselor and conducted several workshops and orientation sessions for students and parents. She is a passionate quizzer too.

INTERNATIONAL WEBINAR I

Research and Postgraduate Department of Physics in association with IQAC organized an International Webinar on 27th June 2020 at Google meet platform. The webinar was on the topic "Kesterite Solar Cells-Basics and Design" lead by Dr. Prabeesh P, Laboratory for Photovoltaic's and Solid State Physics, University of Verona, Italy. Dr Vinu T Vadakel coordinated the webinar



INTERNATIONAL WEBINAR II

Research and Postgraduate Department of Physics in association with IQAC organized an International Webinar on 3rd August 2020 at Google meet platform. Prof. Rani George, President of Physics association welcomed the meeting. The webinar was on the topic "Physical properties of the (Cr84Re16)100-yVv alloy system" lead by Dr. Bincy Susan Jacobs, University of Johannesburg, South Africa. Prof. Rosmin John, HOD thanked the speaker and the participants. Teachers and students from various colleges were participated in this webinar. E-Certificates were issued to all the participants. Rani George co-ordinated the programme.



WEBINAR SERIES III

Research and Post graduation Department of Physics organized a national webinar on 28th September on Google meet platform. The webinar was on the topic "Satellite Remote Sensing in Climate Studies" led by Dr. Marina Aloysius, HOD, Department of Physics, Assumption College, Changanacherry. Rani George was the co-ordinator to the programme

WEBINAR SERIES V

Physics Department has organised a lecture on 1 September 2020. Dr. Mahesh Mohan, Assistant Professor, MG University, Kottayam was the speaker of the lecture. Dr. Lakshmi Vijayan, co-ordinator, welcomed the gathering. Dr. Mahesh Mohan has delivered a lecture on 'Global Environment pollutants, Arctic, Antarctic expedition and future scoped of studies in Environmental science'. The interaction session had fruitful discussions.

WEBINAR SERIES VII

As part of the webinar series, Department of Physics organized a webinar on 'Life and Environment – look into nature'. The webinar was conducted on 1 May 2021 via Google meet platform. Mr. Eby Immanuel P., Environment activist and writer was the resource person. Mr. Babu K Thomas, Assistant Professor was the convener and Vishnu R and P Arundhati Nair, of first year BSc Physics were the student co-ordinators of the programme.

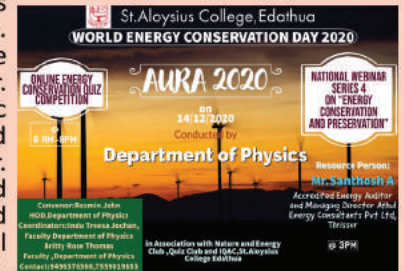
WEBINAR SERIES VIII

Department of Physics organized a webinar on 'Human Rights and Mental Health'. The webinar was conducted on 8 May 2021 via Google meet platform. Adv. Rohit Oomen Chethicad, High court advocate in Thiruvalla Bar was the resource person. Mr. Babu K Thomas, Assistant Professor was the convener and Deepak Udayakumar and Raga R Das, of first year BSc Physics were the student co-ordinators of the programme.



WORLD ENERGY CONSERVATION DAY CELEBRATION - WEBINAR SERIES IV

In association Nature and Energy Club, Quiz Club, IQAC and Department of Physics as part of World Energy Conservation day "AURA 2020" was conducted on 14/12/2020. Mrs. Rosmin John was the programme co-ordinator. A webinar on the topic "Energy Conservation and Preservation" lead by Mr. Santhosh A, an accredited energy auditor and Managing Director, Athul Energy Consultants Pvt Ltd. E- certificate were given to all participants in the webinar. Also an energy conservation quiz competition was conducted by Mrs. Rosmin John, HoD, from 6am to 8pm via online platform. Around 500 participants all around the country participated in the quiz programme. E- certificate was given to the participants those who attended and scored at least 60 percentage marks.



WEBINAR ON X-RAY DIFFRACTION

Physics department in association with IQAC organized a webinar on 'X-ray Diffraction Analysis' on 9 January 2021. Dr. Prasanth Shanmughan, Research Scientist, AKAY Natural Ingredients Private Limited explained the different analysis techniques on XRD. There were 79 participations from different colleges of Kerala. E- certificate was given to the participants those who attended and gave feedback on the seminar. Mrs. Rani George, Assistant Professor, convener of seminar, welcomed the gathering. Ms. Indu Tresa Jochan and Ms. Britty Rose Thomas co-ordinated the programme



IGNITE 2021

IGNITE 2021- LED Bulb Making Workshop and Seminar

Department of Physics organized an LED bulb making workshop 'IGNITE 2021' on 10 March 2021 for the students and parents to equip them with additional job skills and to emphasise the importance of energy conservation in day to day life. Sr. Arpitha CMC led the workshop with Mrs. Betty Sojan and Mrs. Reena Reji, staff at St. Joseph's Higher Secondary school, Changanacherry. 34 students participated in the workshop. Ms. Britty Rose Thomas, Faculty of St. Aloysius College, Edathua presented a seminar on Light Emitting Diodes. Mrs. Rosmin John, HoD was the convenor for the programme. The LED bulbs (38 nos) prepared by the students were of 3, 5 and 7 watt bulbs, which were sold out to students and faculty of St. Aloysius College, Edathua.



DIAMOND DUAL

The annual meet of the physics alumni 'Diamond Dual' was conducted on 13 February 2021 via Google meet. The function was presided over by Manikanthan Nair T.M., alumni of department. Dr. Lakshmi Vijayan, Assistant Professor, Secretary of the alumni association welcomed the gathering. Former teachers and students cherished old memories during the programme.



ASSOCIATION SECRETARIES



BLESSON FRANCIS
II MSC PHYSICS



SONA JONEY
II MSC PHYSICS

FAREWELL

"Varnapattam" farewell meet conducted by I MSc students to their seniors on 5th August at Google meet platform. Ms Maria Abraham welcomed the gathering. Principal Dr. Jochan Joseph sir gave the presidential address. H.O.D Prof Rosmin John presented a felicitation. All the teachers gave wishes and blessings to all the final year students. There was a dance performance and a wishing video by I MSc students. The final year students Ms. Anupama Sanal and Mr. Sajin S shared their college life experience and thanked the teachers. Ms. Nikitha Saira Alex proposed the vote of thanks.



Physik

ONLINE TEACHING AND LEARNING



Introduction:

The Internet has significantly changed how we communicate with one another as well as how we access, share and facilitate information. We are familiar with Internet - based communication technologies and have comfortably integrated it into our daily life. Understanding the place of online learning in digitally facilitated social interaction, professional practice and education is becoming increasingly important, especially in this *Covid 19* pandemic situation. Educational institutions (schools, colleges, and universities) in India were based only on traditional methods of learning, that is, they follow the traditional set up of face-to-face lectures in a classroom. Although many academic units have also started blended learning, still a lot of them are stuck with old procedures. The sudden outbreak of a deadly disease called *Covid-19* caused by a Corona Virus (SARS-CoV-2) shook the entire world. The World Health Organization declared it as a *pandemic*. This situation challenged the education system across the world and forced educators to shift to an online mode of teaching overnight. Many academic institutions that were earlier reluctant to change their traditional pedagogical approach had no option but to shift entirely to online teaching-learning.

Why is online teaching important?

A decade ago, it was common to hear that "*online learning is the future!*" Indeed, it became the future and is now very much the present, but our idea of what online learning should be has changed dramatically over those ten years. Educators are now at a point where they have revised what effective online learning means, discarding the early passive, consumption-oriented model for one that is far more engaging and interactive. 2020-21 is indeed a period of turning point in the field of education, all over the world. Significant changes are occurring in the mode and method of teaching, from KG to college

level. While online education generally started with the use of technology as a support tool to conventional teaching methods – such as whiteboards, overhead projectors and word processors – it has since developed into a process or pedagogy. Software and technology changes very rapidly, and it can be difficult to keep up with these developments. It is important therefore to focus on understanding effective pedagogical strategies for online teaching. In many higher education programs the face-to-face campus environment is now accompanied by an online component.

What is Online Learning?

Online learning is education that takes place over the Internet. It is often referred to as "e-learning" among other terms. However, online learning is just one type of "distance learning" - the umbrella term for any learning that takes place across distance and not in a traditional classroom. Most of the terms (online learning, open learning, web-based learning, computer-mediated learning, blended learning, m-learning, for ex.) have in common the ability to use a computer connected to a network, that offers the possibility to learn from anywhere, anytime, in any rhythm, with any means. Online learning can be termed as a tool that can make the teaching-learning process more student-centered, more innovative, and even more flexible. Online learning is defined as "learning experiences in synchronous or asynchronous environments using different devices (e.g., mobile phones, laptops, etc.) with internet access. In these environments, students can be anywhere (independent) to learn and interact with instructors and other students".

Key benefits of teaching online:

-Increased flexibility of time: Learning and teaching can occur at times that are more convenient and productive for both students and teachers. Students can work at their own pace within a given framework and the online learning/teaching engagement process can be broken into smaller more frequent portions of time, with an opportunity for reflection in-between. Online education is not restricted by differing international time zones

may be sharing a computer or mobile learning tool within one household, or may rely on using computers on campus or in a public place (eg public library, Internet cafe, etc). Students or teachers may also only have limited access to required software

-Access to the Internet: Not all students and teachers have regular or reliable access to the Internet. In many cases Internet access may be limited to dial-up speed, or there may be a capped monthly usage on their Internet which can restrict their ability to access or engage with the information

-Ability to use technology: Some software platforms require training. Where training has been provided to teachers, it has often been done from a purely technological driven viewpoint rather than one with a pedagogical focus

-Isolation: Where teachers do not find peer support for their online initiatives, it can be a lonely and isolating experience

-Information overload: In many instances, the amount of information, 'how-to' guides, help and resources provided online can have a tendency to become overwhelming and confusing if not properly managed. It can be difficult for students and teachers to discern which is relevant or important.

Online Teaching Is No More an Option, It Is a Necessity

The major part of the world is on quarantine due to the serious outbreak of this global pandemic Covid-19 and therefore many cities have turned into phantom cities and its effects can be seen in schools, colleges, and universities too. The Corona Virus has made institutions to go from offline mode to online mode of pedagogy. This crisis will make the institutions, which were earlier reluctant to change, to accept modern technology. This catastrophe will show us the lucrative side of online teaching and learning. With the help of online teaching modes, we can sermonize a large number of students at any time and in any part of the world. Many universities around the world have fully digitalized their operations understanding the dire need of this current situation. Therefore, the quality enhancement of online teaching-learning is crucial at this stage. There was an overnight shift of normal classrooms into e-classrooms, that

is, educators have shifted their entire pedagogical approach to tackle new market conditions and adapt to the changing situations. During this tough time, the concern is not about whether online teaching-learning methods can provide quality education, it is rather how academic institutions will be able to adopt online learning in such a massive manner.

Resistance to change will not help any educational unit across the world. They will be judged on their pace to adapt to the changes in such a short period and their ability to maintain the quality. The reputation of educational units is on stake and under scrutiny. How well they behave and how well they maintain their quality of education amidst this crisis shows their adapting capabilities.

The shift from face-to-face lectures to online classes is the only possible solution. There is a requirement of a quick shift to online learning mode; therefore, the products by Google can be really useful under such problematic situations; they are

(a) Gmail, (b) Google Forms, (c) Calendars, (d) G-Drive, (e) Google Hangouts, (f) Google Jam board and Drawings, (g) Google Classroom, and (h) Open Board Software (not a Google product, helps in recording meetings in the form of files). These tools can successfully be used as an alternative for face-to-face classes.

Conclusion & Suggestions:

Amidst COVID-19 pandemic, internet has become mitigating tool to rescue education from severe effects of worldwide lock down and closure. By closing the gates of many educational institutions around the globe, coronavirus pandemic has provided an opportunity to practice digital form of teaching and learning. This much needed but suddenly imposed online teaching started unplanned in hurry to safeguard academic life of millions of students affected by this worldwide pandemic. Studies show that students enjoyed learning through online mode, if proper facilities were accessible to them. Flexibility in terms of time and place was found to be most liked feature of online learning. But, at the same time, poor network and connectivity was highly disliked element. Poor connectivity might prove to be the major cause of other disadvantages of online learning. Necessary technical changes must be made in online learning design to facilitate peer interaction, support and socialization in the online learning environment. Online platforms should be designed in manner that provides opportunities for interaction between teachers-students and students students because interaction is the key variable that influences the quality of online learning. Collaborative learning method can be used

to facilitate interaction among peers, working in groups increase students satisfaction, increases students participation and cultivates social relationship. It is to suggest that the teachers and institutions to strengthen the features liked by their students including involvement and interaction, flexibility, comfort and accessibility of materials and to modify elements that hinder their learning in online environment that include poor network connection, distraction, lack of support and concentration, etc. Further, teachers are suggested to do needanalysis of their students, especially disabled students and to provide instruction accordingly. Regarding interaction in online teaching, it is suggested to integrate multiple media presentation and different activities to make learning more participative for students. Undoubtedly, the major challenge is to make students involved and motivated to learn online where social presence of teachers and peers are lacking. Teachers need to reflect on their adopted techniques and practices and should design it in such a way to match it with students' interest and preferred learning styles. Needless to say that teaching and learning needs to be customized according to the perspective of students and their preferred modes and manners for creating better online learning environment.

FACULTY CORNER

DR. JOCHAN JOSEPH



PRINCIPAL

SMT.ROSMIN JOHN



HOD

DR.LAKSHMI VIJAYAN



ASSISTANT PROFESSOR

DR. VINU T.VADAKEL



ASSISTANT PROFESSOR

SMT.RANI GEORGE



ASSISTANT PROFESSOR

MR.BABU K. THOMAS



ASSISTANT PROFESSOR

WELCOME TO THE DEPARTMENT
SMT. INDU TREESA JOCHAN



ASSISTANT PROFESSOR

MS. BRITTY ROSE THOMAS



GUEST FACULTY

Congratulations

A GRADE HOLDERS IN BSC PHYSICS 2021



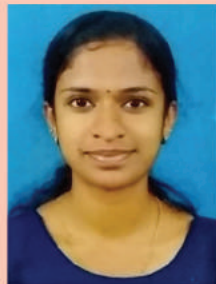
Drowpathy D



Gokul G



Joji M Kurian



Aswathy Shaji



Dwithi Vijay S.V.

10th rank in MSc Physics
under MG University



ALPHAMOL SEBASTIAN

INSPIRE scholarship
Winner



MIDHUN G
(II BSc Physics)

FIRST PRIZE in Mahesh Memorial
quiz competition



VIPINLAL
(III BSc Physics)



NAVEEN P
(III BSc Physics)

DEVIKA BIJU (III BSc Physics) successfully completed

(a) "Covid 19 Awareness" quiz on 27.6.2020 organized by St. Joseph's College, Irinjalakuda.

(b) Online awareness training course on Covid 19 based on 'WHO advice for public' and secured 85% in the online quiz organized by St. Aloysius College, Edathua on 31.5.2020.

(c) online quiz " what do we know about our universe from 8.7.2020- 15.7.2020 by Women Christian College, Nagercoil.

(d) World Ozone day online quiz on 16.9.2020 and scored 91% of marks organized by St. Aloysius College, Edathua .

(e) Energy conservation day online quiz on 14.12.2020 and scored 85% of marks, organized by St. Aloysius College, Edathua



Preliminary level of
"Power Quiz 2020" Winners



NIVEDITHA.S
(III BSc Physics)



DEVIKA BIJU
(III BSc Physics)

NCC B certificate holders



HARIKRISHNAN. G.
(III BSc Physics)



DEEPAK SEBASTIAN
(III BSc Physics)



JOHAN GHEEVARGHESE
(III BSc Physics)



From Editors Desk

Rani George

Assistant Professor

Department of Physics

Every year, Physik Newsletter collects the memories and reflections of the programmes we conducted. This year, that collection is inevitably shaped by the grief and loss COVID-19 has caused. Since March 2019, many programmes conducted by the department have sought to document the major, disparate hardships created by the pandemic. But here, we wanted to capture and to also acknowledge some of the smaller losses: few in-person classes, skipped and muted traditions, time at a distance from the people we love.

Amidst all of this, we, The Department of Physics, found some comfort through Google meet/Zoom calls, distanced coffee and commiseration. Thank you to dear staff members and students who kept the programmes going under these strange and challenging circumstances, some of whom are featured in these pages.

The class of 2020 never got an in-person Commencement; the class of 2021 may not get to experience the chalk and board teaching and unmitigated celebration of a their college life. This year's Newsletter pays tribute to loss, but also to the conversations and action this year has stimulated, and to great gratitude for the people and experiences we could enjoy throughout this year. We hope, in reading it, that these stories and reflections resonate with you as they have with us.

I look forward with enthusiasm to the coming year and hope to hear from some of you about your accomplishments and activities. You are always welcome to visit us

BSc 2018-21 batch



MSc 2019-21 batch



Physik

Aloysian physics news letter