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Criterion 3

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Workshops/Seminars on Research
methodology, IPR, and
entrepreneurship

Webinar Report: Z Transform and Digital Filters

Date: October 11, 2021

Time: 10:00 AM

Organized by: Department of Physics, St. Cyril's College, Adoor

Resource Person: Mr. Safuvan T., Assistant Professor of Electronics, TKM College of Engineering, Kollam.

The webinar titled "Z Transform and Digital Filters" aimed to provide students with a comprehensive understanding of Z transforms and their applications in digital signal processing. The event saw enthusiastic participation from students, reflecting a keen interest in the subject matter. The session began with a welcome address by Ms. Monisha Lal M., who introduced the topic and the speaker. She highlighted the relevance of digital filters in various technological applications. Mr. Safuvan T. delivered an engaging presentation that covered the following key topics:

- Introduction to Z Transform: Explanation of the Z transform, its mathematical foundation, and its significance in signal processing.
- Digital Filters: Overview of different types of digital filters, including FIR and IIR filters, and their design principles.
- Applications: Real-world applications of digital filters in areas such as telecommunications, audio processing, and image processing.

Mr. Safuvan emphasized the importance of understanding these concepts for students pursuing careers in electronics and communication engineering. The webinar concluded with a vote of thanks delivered by Ms. Rajeena V. Rajan, who expressed appreciation for Mr. Safuvan's insightful presentation and for the active participation of students. She encouraged everyone to further explore the topics discussed. The webinar successfully provided valuable insights into Z transforms and digital filters, fostering an interactive learning environment for students. This event was instrumental in bridging theoretical concepts with practical applications in the field of electronics.



L. S. Thomas

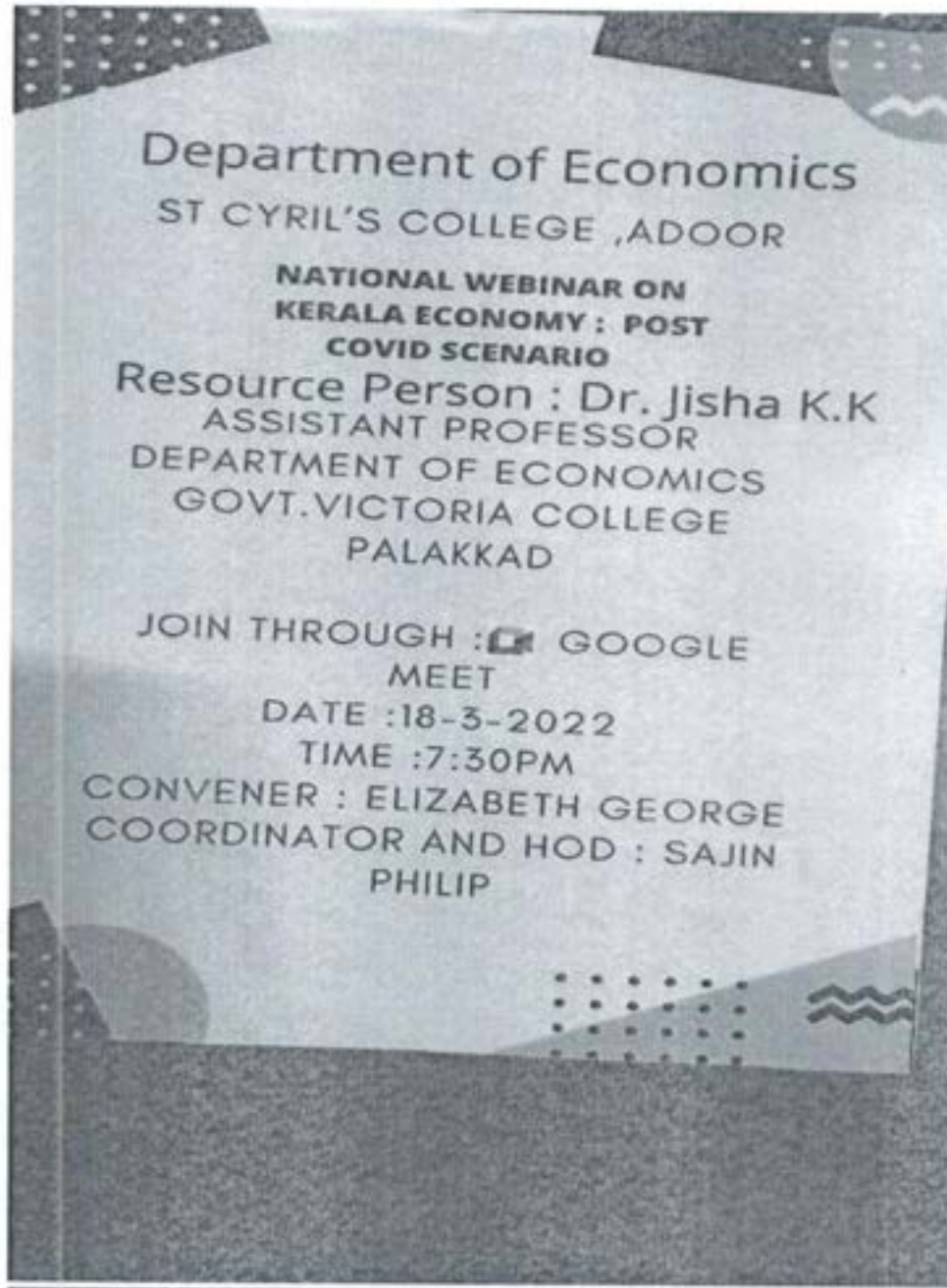
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Webinar on Z-Transfor...



**Report of National Webinar on Kerala Economy:
Post Covid Scenario:**



Date:18-03-2022

Time:7.30 pm

Convener: Ms. Elizabeth George



Elizabeth George

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No. of Participants: 53

The Department of Economics organized a national webinar titled "Kerala Economy: Post-COVID Scenario." Dr. Jisha K. K., Assistant Professor in the Department of Economics at Government Victoria College, Palakkad, served as the resource person for the event. She provided an in-depth analysis of the impact of the COVID-19 pandemic on the Kerala economy, highlighting various sectors that have been significantly affected. Approximately 80 students participated in the webinar, engaging actively in discussions. The session concluded with a vote of thanks delivered by the Head of the Department, who expressed gratitude to Dr. Jisha for her insightful presentation and to all participants for their contributions. The event fostered a greater understanding of the challenges and opportunities facing Kerala's economy in the post-pandemic landscape.



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Department of Commerce
St.Cyril's College,Adoor

Seminars conducted in the year 2021-22

An Online Webinar in association with BSE was conducted on the topic Gateway to Financial Freedom for the commerce students on 5th February 2022 from 10.15 am. The programme was actually a foundation programme in connection with the capital market. The various aspects of the Capital market was explained during the session.



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[Signature]
Dr. SMITA KOCHUMMEN
Head of the Department of Commerce

Department of Physics
St. Cyril's College, Adoor
Report on Physics Association Inauguration
BRAIN NET
2022

PG DEPARTMENT OF PHYSICS
ST.CYRIL'S COLLEGE,ADDOOR

Physics Association Inauguration &
Merit Award Distribution

Brain Net
2022

Invited talk & Inauguration
Dr. A K THOMAS
(Former Principal & HoD, Physics
St.Cyril's College,Adoor)

Topic: Colossal Dielectric Materials

Date:10.03.2022
Time: 11 a.m.

Coordinator
Ms.Rejeena V Rajan (HoD)

Organising Committee
Dr.Anoop Chandran
Dr.Alen S
Ms.Monishal M

The inauguration of the Physics Association "BrainNet" has been conducted on 10th March 2022.The program started with the prayer song. Asst.Prof.Rejeena V

Rajan, HoD delivered the welcome speech. Prof. Anitha Thomas rendered the presidential address. The inauguration of the association has been done by Dr. A K Thomas, Former Principal of St. Cyril's College, Adoor. Also, he has handled a session on "Colossal Dielectric Materials". The prizes were distributed to students who won various competitions conducted by the Department as well as other colleges. Associate Professor Mini Mathew, Head of the Department of History gave the felicitation. The program concluded with the vote of thanks of Ms. Aswathy Krishnan, II M.Sc. Physics student. Asst. Prof. Rejeena V Rajan, HoD Assistant Professor was the co-ordinator of this program.





GPS Map Camera



Pathanamthitta, Kerala, India
4P9X+W4R, Kilivayal, Kerala 691529, India
Lat 9.120046°
Long 76.749013°
10/03/22 11:35 AM



L. S. Thomas

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Lecture Series 2021-22

Meet the Author/ Editor

Resource Person: Ranjith Krishnan K.R.

Assistant Professor

NSS College, Pandalam

Text Ecoscapes for Sem 2 BA/BSc University of Kerala

Date 12/05/2022

The lecture series-1 for the academic year 2021-2022 was conducted on 12/05/22. The RP Dr Ranjith Krishnan, Asst Professor , NSS College and the author of Ecoscapes (author of Prescribed text for Semester 2) introduced the text to the 2nd year students. Following the recommendations made by the Honourable Supreme Court of India, the UGC has directed all Universities in India to include Environmental Studies and Disaster management courses in their curricula. Sensitising the undergraduate level students to the urgent need for environmental protection and biodiversity conservation can have far-reaching positive outcomes for the environment. Our recent experiences with both natural and man-made disasters have taught us that preparedness holds the key in mitigating and managing disasters. Ecoscapes, the textbook prescribed by the University of Kerala for the Ability Enhancement Compulsory Course in Environmental Studies and Disaster Management is designed with these objectives in mind. Besides introducing the student to the fundamental concepts in Environmental Studies and Disaster Management, the objective is to



Ranjith K. Krishna

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make them ethically responsible to the environment and personally competent in facing disasters. The need for such a text was emphasized by the RP as the text dealt with ecological issues connecting literature and the environment.



Lecture Series 2

2021-2022

Resource Person: Dr Anusha .P

Assistant Professor

KSMDB College, Sasthamkotta

Topic: Undertaking your Project Work

Date 13/05/2022

No matter what field of study you are interested in, you will most likely be asked to write a research paper during your academic career. For example, a student in an art history course might write a research paper about an artist's work. Similarly, a student in a psychology course might write a research paper about current findings in childhood development.

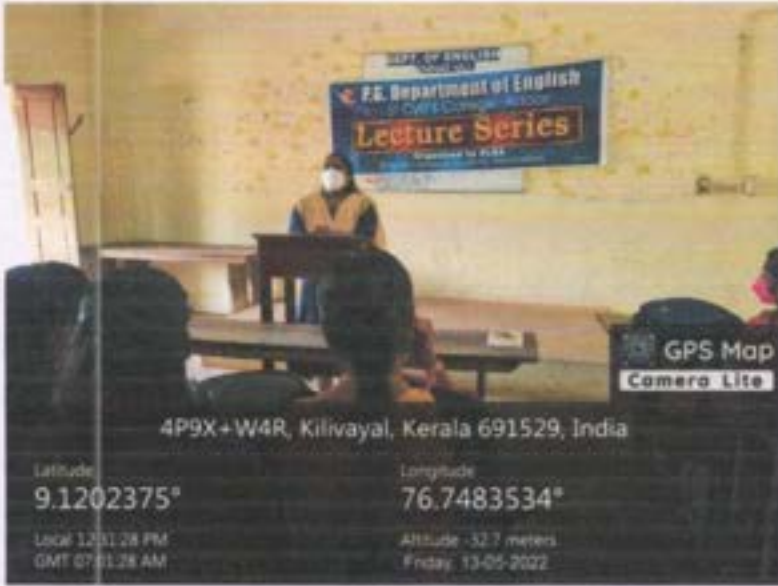
Having to write a research paper may feel intimidating at first. After all, researching and writing a long paper requires a lot of time, effort, and organization. However, writing a research paper can also be a great opportunity to explore a topic that is particularly interesting to you. The research process allows you to gain expertise on a topic of your choice, and the writing process helps you remember what you have learned and understand it on a deeper level.

Dr Anusha oriented the students on how to undertake a project at degree level. She pointed out the factors one has to be careful in carrying out research work.



Anusha .P

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Report of the Workshop Conducted by the IQAC of St Cyril's College, Adoor in association with Mahatma Gandhi National Council of Rural Education (MGNCRE), Department of Higher Education, Ministry of Education, Government of India

Mahatma Gandhi National Council of Rural Education (MGNCRE) under the insistence of the Department of Higher Education, Ministry of Education, Government of India conducts Institutional Workshops on Experiential Learning/rural Engagement/Rural Entrepreneurship/Sustainability in Campus. This has been initiated in association with the Cells of various colleges. The IQAC of St Cyril's College, Adoor expressed its willingness to collaborate with MGNCRE to conduct workshops in colleges of Pathanamthitta with the intention of implementing Experiential Learning activities, deal with rural communities, understand rural concerns, encourage rural and social entrepreneurship, mentor and foster social responsibility and implement sustainability aspects in campus such as Water Management, Energy Conservation, Waste Management and Greenery Management in the campus.

Dr Mini Samuel, IQAC Coordinator of the college was chosen as the District Sustainability Mentor. Ms Sowmya Mary Thomas, Ms Mariam John, Ms Elizabeth George and Ms Lini K Mathew supported the District Sustainability Mentor successfully completing the following tasks:

1. To mentor selected institutions in the District for promoting sustainability in HEIs/Degree or PG college and villages
2. To monitor and facilitate the work of HEIs/Degree or PG College in the District
3. To submit reports on each of the HEIs/Degree or PG College on their Environmental Performance and Sustainability success story
4. To submit photographs and newspaper clippings, if any, on the activities conducted by the institutions

An amount of Rs 25000/- was allocated for the conduct of the workshop in the chosen colleges. As per the instructions and guidelines of MGNCRE, the District Sustainability Team visited 5 colleges chosen from the District of Pathanamthitta

Sl No	Name of the Institution	Date and Time	No of Students Benefitted
1	Mar Chrysostom College, Paranthal	02/03/2022 1:30 p.m. – 2:30 p.m.	21
2	Mater Dei CMI College	03/03/2022 10 a.m. – 11a.m.	21

3	VNS College of Arts and Science Konni	03/03/2022 2:00 p.m. to 3 p.m.	49
4	St Mary's College for Women, Thiruvalla	1:30 p.m, to 2:30 p.m.	41
5	St Thomas College, Thavalappara	11/03/2022 10 a.m. to 11 a.m.	25

The District Sustainability Team visited these colleges creating an awareness about the need for maintaining sanity and hygiene in the college campus. Dr Mini Samuel gave an elaborate talk on waste management methods, strategies for green audit, water conservation and waste water management. She promoted the idea of creating a beautiful garden in the campus and also expatiated on the necessity of keeping a vegetable garden. The team took a tour on the campus making note of the best sustainable practices. St Thomas College Thavalappara and St Mary's College for Women, Thiruvalla have remarkable sustainable practices like Rain water harvesting, vanmahotsav, waste segregation, solar panels, greenery in the campus, incinerators and the like. Mar Chrysostom, Mater Dei and VNS college have also noteworthy sustainable practices. The workshop was successfully conducted and photos of the same were taken. Reports of the visit were prepared and submitted to MGNCRE.





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