

Quality assurance initiatives of the Institution through

- 1. Conferences, Seminars, Workshops on quality conducted
- 2. Collaborative quality initiatives with other institutions
- 3. Orientation programme on quality issues for teachers and students organised by the institution

Conferences, Seminars, Workshops on quality conducted

Webinar on Ecosystem Restoration' conducted on 07/06/2021 by the department of Botany

Online webinar on 'Colour Psychology & Symbolism' on 29/06/2021 conducted by the Department of Fashion Technology

Webinar on Research Methodology 'Nanotechnology: limitless possibilities in medicine' conducted on 08/07/2021 organised by the Science departments

Webinar on 'Relevance of Handlooms as a contemporary fashion product', 07/08/2021 conducted by the Department of Fashion Technology

Webinar on 'Indian Democracy' conducted by PG Department of Politics on 16/08/2021

Online International Webinar on Recent Trends in Catalysis organised by the department of Chemistry on 2021 September 8, 10 and 13

E-Workshop on 'Exploring Nonviolent Communication' on 5/10/2021 organised by the Department of History and CGS

The Department of Commerce conducted a Workshop on 'Entrepreneurship as a Profession' on 21/10/2021

Webinar on Research trends in Biotechnology on 23/10/2021 by the department of Botany

Seminar on 'Space Weather' conducted on 23/10/2021 organised by the Department of Physics

International Webinar on 'Environmental Conservation-Necessities And Challenges' conducted on November 05 -06, 2021 by the PG Department of Zoology

Webinar on 'Economics Beyond Theories' on 06/11/2021 organised by the department of Economics

Workshop and Lecture series on 'Statistical Methods for Econometrics' conducted on 11/01/2022 by the department of Economics

Seminar on "Nuances of the English language" conducted on 20/01/2022 organised by the PG Department of English

PG Department of English organised a workshop on 'Romantic Revolutions and its Impacts on 21st century' on 20/01/2022

Webinar on 'Animal Welfare and its role in Human life' organised by the PG Department of Zoology on 25/01/2022

Research Methods In Life Sciences (Cognitio '22) Lecture Series organised by the Research Department of Zoology in February- March 2022

Seminar on "Exercise is medicine for total fitness" on 21/03/2022 organised by the PG Department of English

Conferences, Seminars, Workshops on quality conducted

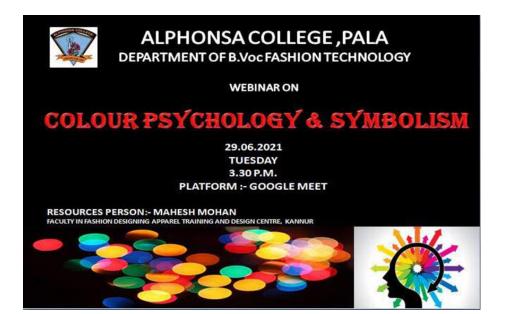
Webinar on Ecosystem Restoration' conducted on 07/06/2021 by the department of Botany

Department of Botany organised an online seminar on the topic 'Ecosystem Restoration' on June 7th 2021, by **Ms.Theja Joseph**, Assistant Professor, Department of Botany, K.E College, Mannanam. She discussed how to restore the ecosystem and as an individual what we can do for the conservation of our mother nature.



Online webinar on 'Colour Psychology & Symbolism' on 29/06/2021 conducted by the Department of Fashion Technology

The Department of Fashion Technology organised an online webinar on 'Colour Psychology & Symbolism' on 29th June 2021. The classes were taken by Mr. Mahesh Mohan, Assistant Professor in Apparel Training and Fashion Design Center, Kannur.

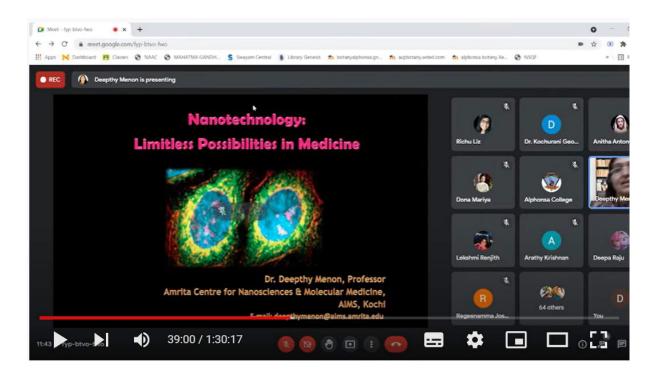




Webinar on Research Methodology 'Nanotechnology: limitless possibilities in medicine', Dr. Deepthi Menon, Amrita Viswavidya peedam, Kochi,on 08/07/2021 organised by the Science departments

The Science departments of Alphonsa College in association with IQAC organised a seminar on Research Methodology on the topic ' Nanotechnology: Limitless possibilities in Medicine', by Dr. Deepthy Menon, Professor, Amrita Centre for Nanosciences and Molecular Medicine, Amrita Vishwa Vidyapeetham, Kochi on 8 July 2021. The seminar introduced nanoscience and the technological advances in the field through a detailed and clear presentation. The seminar was an eye opener for interested students and faculty. Dr. Deepthy also introduced various courses and fields of study offered by Amrita Vishwa Vidyapeetham, Kochi. The seminar was followed by an interactive session. The seminar was conducted through Google Meet with an attendance of 100. Live YouTube streaming was also provided for those unable to join Meet . https://youtu.be/K3T4iPiDTpk

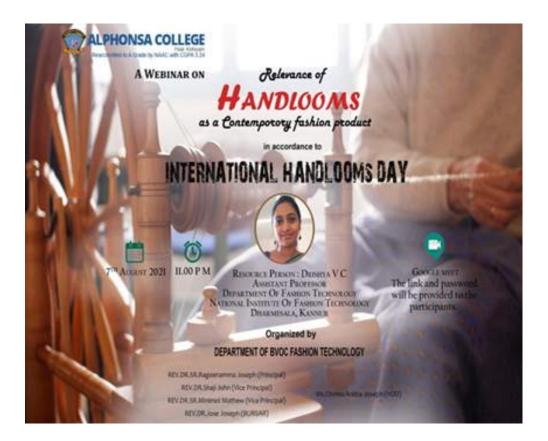


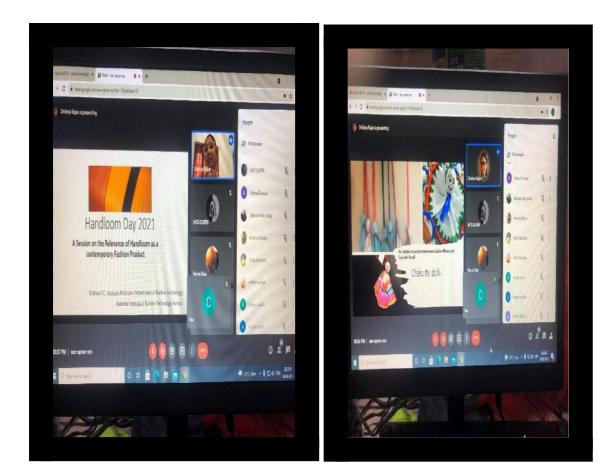


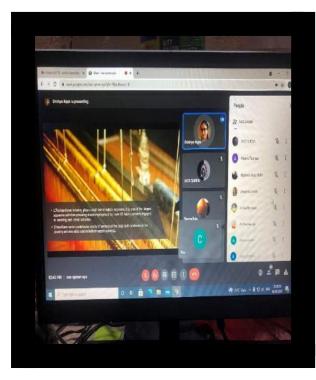
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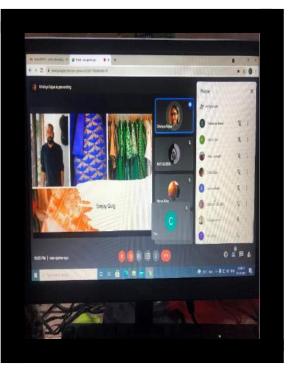
Webinar on 'Relevance of Handlooms as a contemporary fashion product', 07/08/2021 conducted by the Department of Fashion Technology

In connection with the International Handloom Day , the Department of Fashion Technology conducted a webinar about Relevance of Handlooms as a contemporary fashion product for our students on 7th August 2021. The session was conducted by Miss. Drishya.V.C, Assistant Professor, Department of Fashion Technology, National Institute of Fashion Technology, Dharmasala, Kannur.



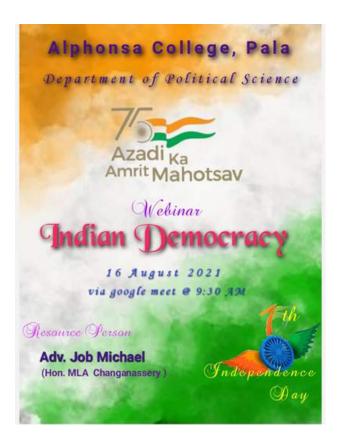


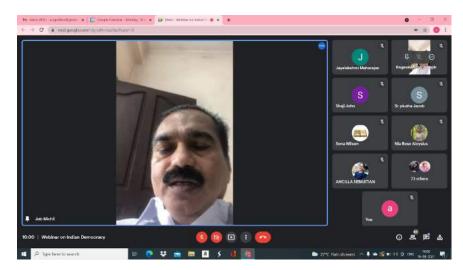




Webinar on 'Indian Democracy' conducted by PG Department of Politics on 16/08/2021

In connection with Independence Day, PG Department of Political Science organized a webinar on 'Indian Democracy' on 16/08/2021. Adv. Job Michael, Hon. MLA, Changanacherry delivered the keynote address.

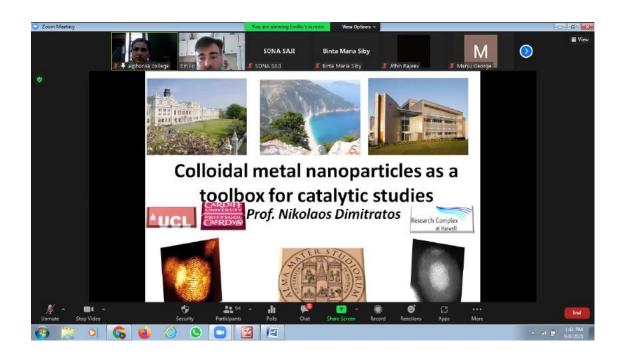


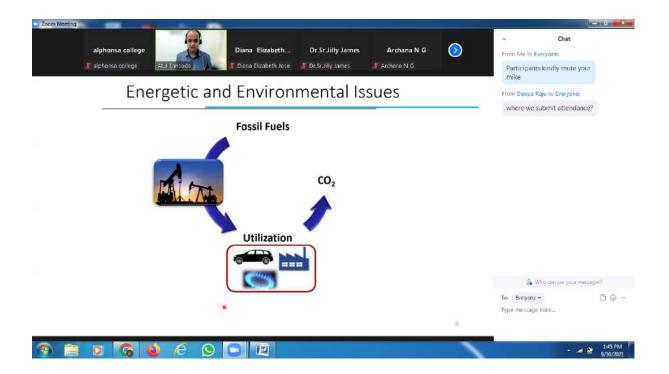


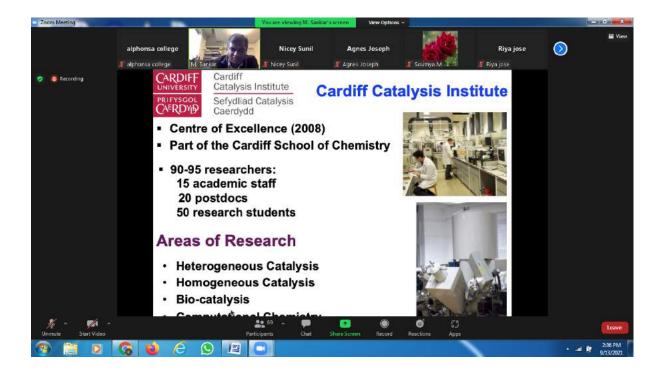
Online International Webinar on Recent Trends in Catalysis organised by the department of Chemistry on 2021 September 8, 10 and 13

Department of Chemistry, Alphonsa College Pala organized a three day International Webinar on Recent Trends in Catalysis in Association with IQAC of the college on 2021 September 8, 10 and 13. 165 participants attended the sessions.

Name of speaker	Торіс	Date and Time
Prof. Nikolaos Dimitratos	Colloidal metal nanoparticles	08-09-2021
Department of Industrial Chemistry,	as a toolbox for catalytic	(IST 1.30 pm)
University of Bologna, Italy	studies	
Dr. Atul Bansode	Advancing the catalysis	10-09-2021
Assistant Professor, Catalysis	science by innovative	(IST 1.30 pm)
Engineering, Department of Chemical	approaches	
Engineering, TUDelft , Netherlands	and reaction engineering	
Dr.M.Sankar	Catalytic Applications of	13-09-2021
Cardiff Catalysis Institute,	Supported Metal	(IST 2.30 pm)
School of Chemistry, Cardiff University,	Nanoparticles	
United Kingdom		

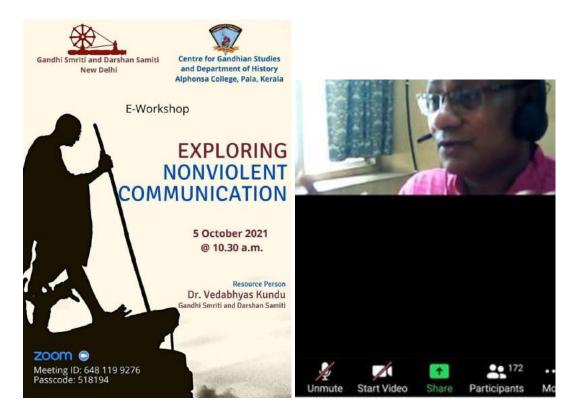






E-Workshop on 'Exploring Nonviolent Communication' on 5/10/2021 organised by the Department of History and CGS

Department of History in association with Gandhi Smriti and Darshana Samiti, New Delhi and Centre for Gandhian Studies, Alphonsa College Pala conducted an E- National Workshop on the topic 'Exploring Nonviolent Communication' via Zoom platform on 5th October 2021. Dr Vedabhyas Kundu, Project Director of Gandhi Smriti and Darshana Samiti, New Delhi was the Resource Person. Dr Tresa Joseph, Directo,r Centre of Gandhian Studies and Ms. Sunitha Santhan, HOD, Department of History, Alphonsa College, Pala talked in the session.



The Department of Commerce conducted a Workshop on 'Entrepreneurship as a Profession' on 21/10/2021

WEM Club of the Department of Commerce in association with Taluk Industrial Board, Meenachil ,Pala and Kottayam District Industrial Board conducted an Online workshop on 'Entrepreneurship as a Profession' on 21/10/2021. Mr. Sino Jacob Mathew, ADIO, Meenachil Taluk presided over the program and Mr. Chandran. P, Industrial Development Officer, Pala was the key speaker . 72 students from the department participated in the workshop.



Webinar on Research trends in Biotechnology conducted on 23/10/2021 by the department of Botany

The Department of Botany conducted a webinar on Research trends in Biotechnology on 23 October 2021. Dr. Harikumar KB, Scientist E, Rajiv Gandhi Centre for Biotechnology, Trivandrum served as the resource person. The Talk provided an opportunity to the students to get an idea about various research opportunities for life science students and Major research areas in Biotechnology.



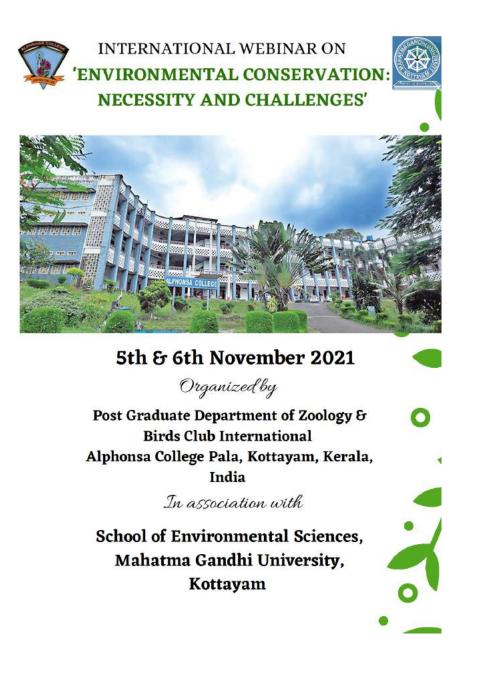
Seminar on 'Space Weather' by Dr. Smitha V Thampi, 23/10/2021 organised by the Department of Physics

The Department of Physics organised a Seminar on 'Space Weather', by Dr. Smitha V Thampi', Scientist, Vikram Sarabhai Space Centre, Thiruvananthapuram October 23, 2021 as part of Space week. The Online talk was aimed to provide information about Space and Space weather. It was a very informative session with a basic introduction to areas of research. Dr Smitha also gave a brief account of the higher education and career options available in the field.

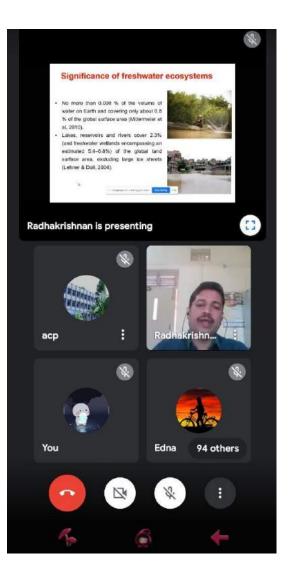


International Webinar on 'Environmental Conservation-Necessities And Challenges' conducted on November 05 -06, 2021 by the PG Department of Zoology

The PG Department of Zoology, Alphonsa College, Pala in association with Birds club International and School of Environmental Science, M G University, Kottayam, organised an International Webinar on 'Environmental conservation-necessities and challenges' on 5th and 6th November 2021. 252 students including research scholars from various universities within the country and abroad participated in the seminar.

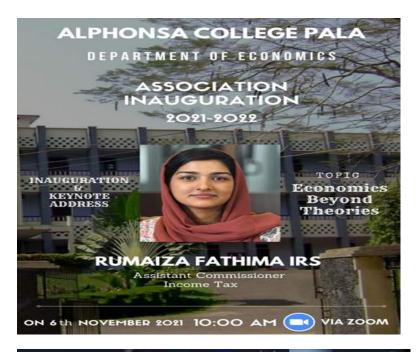






Webinar on 'Economics Beyond Theories' by RUMAIZA FATHIMA, IRS on 06/11/2021 organised by the department of Economics

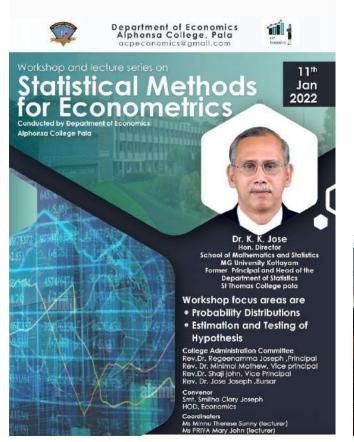
A webinar was conducted by Ms.Rumaiza Fathima, IRS, Assistant Commissioner on IT, on" Economics Beyond Theories" on 06/11/2021. She described the relevance of studying the subject and the variety of opportunities students from the economics stream can choose for their future paths.





Workshop and Lecture series on Statistical Methods for Econometrics conducted on 11/01/2022 by the department of Economics

Workshop and Lecture series on 'Statistics For Econometric', was conducted on 11/01/2022 by the Department of Economics. The resource person was Dr. K. K. Jose, Hon. Director School of Mathematics and Statistics, MG University, Kottayam. The workshop was attended by the postgraduate students and final year undergraduate students of the department. It covered topics including probability distribution, estimation and hypothesis testing. He also discussed certain softwares like R and GretI that are helpful in doing the statistical and econometric programmes. The workshop wound up with an effective discussion where students raised their doubts and queries about the topics covered.





Seminar on "Nuances of the English language" conducted on 20/01/2022 organised by the PG department of English

Seminar on "Nuances of the English language" by Dr. V.J.Sebastian, Former HOD, St. Thomas College, Pala was held on 20/01/2022. 110 students participated in the seminar. He spoke about the common mistakes in the usage of English language and gave his inputs on how to overcome them. It was a useful and interesting session.





PG Department of English organised a workshop on 'Romantic Revolutions and its Impacts on 21st century' in the light of the bicentennial day celebration of John Keats, in association with Govt. Brennan College, Thalassery on 20/01/2022

The department of English organised a workshop on *Romantic Revolutions and its Impacts on 21st century* in the light of the bicentennial day celebration of John Keats, in association with Govt Brennan College Thalassery on 20 January 2022. Prof Shyju K C, Head of the Department of English, Govt Brennan College Thalassery, was the Resource person. The programme was different as it was in the Wordworthian method of poetry writing in travelling through the uneven lands. Selected students were given opportunity for a practice.

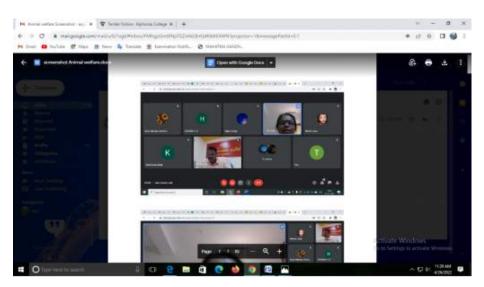




Webinar on 'Animal Welfare and its role in Human Life' organised by the PG Department of Zoology on 25/01/2022

In connection with animal Welfare Week, the PG Department of Zoology in association with Animal Welfare Department, Government of Kerala, organised a webinar on 'Animal welfare and its role in human life' on 25th January 2022. Dr. S. Ajith Kumar, Senior veterinary surgeon, Thalayolaparambu, was the resource person. 100 students participated the webinar.





Research Methods In Life Sciences (Cognitio '22) Lecture Series organised by the Research Department of Zoology

 Lecture series- 1: "Inferential Statistics' on 03/02/2022, in online mode. Dr. Justin K. James, Assistant Professor, CAAM Govt. College Thrisur, was the resource person.



 Dr. Ron Sunny, Assistant Professor, Department of Botany, St. Joseph's College, Devagiri, Calicut was the resource person on the topic ' Into the unknown – lessons learnt from research in the wild' on 21/02/022.



 Dr.Shibin Mohanan, Assistant Professor, Department of Botany, Nirmala College, Muvattupuzha conducted a hands-on training in 'Advanced tools in Biological Sequence Analysis' on 08/03/2022.



Seminar on "Exercise is medicine for total fitness" by Dr. Sebastian Luckose on 21/03/2022 organised by the PG Department of English

Seminar on "Exercise is medicine for total fitness" by Dr. Sebastian Luckose was held on 21/03/2022. 60 students participated in the session. It was held in collaboration with the Indian Association of Pediatrics. The session helped the students to learn about ways to stay fit and healthy.



Collaborative quality initiatives with other institutions

Elizabeth J Diana (Alphonsa College, Pala), U.S. Kanchana (M. G. University, Kottayam), Thomas V Mathew (St.Thomas College, Pala), 'Current developments in the synthesis of 4-chromanone-derived compounds', <u>https://doi.org/10.1039/D10B01352A</u>

Elizabeth J Diana (Alphonsa College, Pala), U.S. Kanchana (M. G. University, Kottayam), Thomas V Mathew (St.Thomas College, Pala), 'Recent developments of supported palladium nanocatalyst and magnetically separable supported palladium nanocatalysts for Heck cross-coupling reactions', <u>https://doi.org/10.1007/s11051-022-05472-w</u>

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Minu Joy (Alphonsa College, Pala)and Rakhi R (NSS College, Pandalam) Ringing Non-Gaussianity from inflation with a step in the second derivative of the potential, <u>https://doi.org/10.1007/s12043-022-02304-3</u>

Priya Antony (Alphonsa College, Pala), S. Bharanidharan (Agni College, Chennai), R. Jerald Vijay(St. Joseph's College, Trichy), S. John Sundaram (SH College Thirupattur), Albin John P. Paul Winston (Loyola College, Chennai) Ligimol Louis(St. Xaviers College, Jaipur), Jilly James (Alphonsa College, Pala), P. Sagayaraj (Loyola College, Chennai), 'Structural, thermal, linear and nonlinear optical and cytotoxicity studies of a novel organic stilbazolium salt: 4-[2-(4-hydroxyphenyl)ethenyl]-1- methylpyridinium 4-styrenesulfonate', https://doi.org/10.1016/j.molstruc.2022.133196

SCIENTIA, 2021- Online Lecture series for school students conducted by the students of Department of Chemistry

Collaborative activities of Unnat Bharath Abhiyan in various associated schools , July 2022

SREE - Sharing Resources and Expertise for Excellence - Seminar Series, Department of History, 2021-22

Survey: Ozone Day: Popularising Ozone Protection, 16-09-2021, in association with Unnat Bharat Abhiyan, Alphonsa College, Pala

Survey on Odonate Diversity in Kottayam district conducted by the Research Department of Zoology in collaboration with TIES, Manarkadu on 12-13 March 2022

Online Add-On course in Research Publication and Ethics, in collaboration with St. Stephen's College, Uzhavoor and Lore & Ed Research Associates 03/07/2021 - 30/09/2021

Administrative training programme in collaboration with St. Thomas College, Pala, 20/11/2021

Collaborative quality initiatives with other institutions

Elizabeth J Diana (Alphonsa College, Pala), U.S. Kanchana (M. G. University, Kottayam), Thomas V Mathew (St. Thomas College, Pala), 'Current developments in the synthesis of 4-chromanone-derived compounds' https://doi.org/10.1039/D1OB01352A

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Organic & Biomolecular Chemistry

View Article Online DOI: 10.1039/D1O8013524

Received 00th January 20xx, Accepted 00th January 20x DOI: 10.1039/x0xx000000x

Current developments in the synthesis of 4-chromanone-derived compounds

Elizabeth J. Diana^{4,6}, U. S. Kanchana⁴ and Thomas V. Mathew

Abstract:

The chroman-4-one framework is a significant structural entity that belongs to the class of oxygen-containing heterocycles. It acts as a major building block in a large class of medicinal compounds, and synthetic compoun exhibit a broad variety of remarkable biological and pharmaceutical actions. Several studies have been taking place to improve the methodologies of 4chromanone-derived compounds. This review focuses the major synthetic methods of preparation reported on chroman-4-one derivatives from 2016- 2. Synthesis of chroman-4-one derivatives 2024

Reywords: chroman-4-one derivatives, cascade radical cyclization, hydroacylations, 2, 3-dihydro-1-benzopyran-4-one, phytochemical.

1. Introduction

Phytochemicals are non-nutritive plant chemical, includes chromones,¹ coumarins,² chalcones,³ carotenoids⁴ or flavonoids⁵ showed great biological significance in preventing diseases in synthesis. The prominent advantages of radical cascade reactions human. 4-chromanone-derived compounds (2,3-dihydro-1- such as high efficiency, environmentally benign as well as benzopyran-4-one) and their research are of immense significance economical protocol and great reduction of time duration to in the area of pharmaceutical chemistry, which plays an important complete the work. Recently, in 2020, a Xiong et al.42 reviewed 3building block in designing drugs.^{1,6} It exhibited broad range of substituted chroman-4-ones by radical reaction. Currently, biological and pharmaceutical activities such as antibiotic,⁷ chroman-4-one derivatives are synthesised through the cascade antiparasitic,⁸ anticancer,^{9,10} anti-HIV¹¹ and SIRT2 inhibitors.¹⁰ reactions with of all/ViaxvI availabehvdes as initial material through Chroman-4-one displayed large structural varieties directed to radical process have gained considerable attention. different kinds of compounds like flavanones,¹³ isoflavones,¹⁴ spirochromanones,¹⁵ benzylidene-4-chromanones¹⁶ etc. Flavanones¹⁷ are 2-phenyl chroman-4-one derivatives includes

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various biologically important, natural comp sakuranetin,¹⁸ Naringin,¹⁹ Eriodictyol,²⁰ Hesperetin²¹ and Sterubin²². Phytoestrogens isoflavones²³ like Genistein,²⁴ Daidzein,²⁵ Glycitein,²⁶ Biochanin A,²⁷ Formononetin²⁸ have significant role in medicinal field, regarded as chemoprotective and hence widely used in cancer treatment, menopausal symptoms, and osteoporosis. Many methods have been established for the preparation of those structural motifs in the previous years.^{29,30} Though, some classical approaches have drawbacks like multi-step procedure, harsh reaction settings, less substrate scope etc. So, still many research works are on-going for introducing more efficient and atom-economical methods to construct this privileged scaffold under mild and environmentally benign conditions. This review focuses on the novel synthetic approaches of chroman-4-one derivatives and covers literature from 2016 to 2021, since the topic has been reviewed in 2015 by Emami and Ghanbarimasir.²⁹ For effortlessness and simplicity, the topic is grouped on the basis of methods of synthesis involved.

2.1. Synthesis of chroman-4-one derivatives through cascade radical cyclization

The methods of organic synthesis have progressed to advance promptly. In last few decades, great efforts have been focussed on organic synthesis includes cross coupling reactions, 31-36 functional group interconversions(FGI)^{37,38} and Cascade radical cyclization reactions³⁹⁻⁴¹ which offer a valuable synthetic tool in organic reactions with o-(allyloxy) arylaldehydes as initial material through

õ In 2016, Zhao et al. put forward a direct approach to synthesise phosphonate chroman-4-ones by cascade radical cyclizationcoupling reaction between dialkyl phosphites and 2-(allyloxy)arylaldehydes with the aid of silver hexafluoroantimonate(V) as the catalyst, using the oxidant potassium persulfate, in DMSO at 35 °C in argon atmosphere for 5 hours (Scheme 1).43 Various dialkyl phosphites underwent cascade transformations afforded the desired product with 53-70% yield. Unluckily, diphenylphosphine oxide and diphenyl phosphonate were failed to give the product. The yield of the reaction was about

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Elizabeth J Diana (Alphonsa College, Pala), U.S. Kanchana (M. G. University, Kottayam), Thomas V Mathew (St.Thomas College, Pala), 'Recent developments of supported palladium nanocatalyst and magnetically separable supported palladium nanocatalysts for Heck cross-coupling reactions', <u>https://doi.org/10.1007/s11051-022-05472-w</u>

J Nanopart Res (2022) 24:89 https://doi.org/10.1007/s11051-022-05472-w

REVIEW



Recent developments of supported Palladium nanocatalyst and magnetically separable supported Palladium nanocatalysts for Heck cross-coupling reactions

Diana Elizabeth Jose · U.S. Kanchana · Thomas V. Mathew^O

Received: 13 January 2022 / Accepted: 10 April 2022 © The Author(s), under exclusive licence to Springer Nature B.V. 2022

Abstract Transition metal nanoparticles (NPs) have fascinated tremendous interest nowadays, especially in a large variety of carbon-carbon bond-forming reactions due to their high surface area-to-volume ratio and reactive morphologies. This review focuses on the developments in supported palladium nanoparticles and magnetically separable supported palladium nanoparticle-catalyzed Mizoroki-Heck coupling from 2018 to May 2021.

Keywords Mizoroki-Heck coupling · Supported palladium nanocatalyst · Magnetic palladium nanocatalyst · Synthesis

Introduction

The cross-coupling reaction of organometallic reagents with different types of organic electrophiles, along

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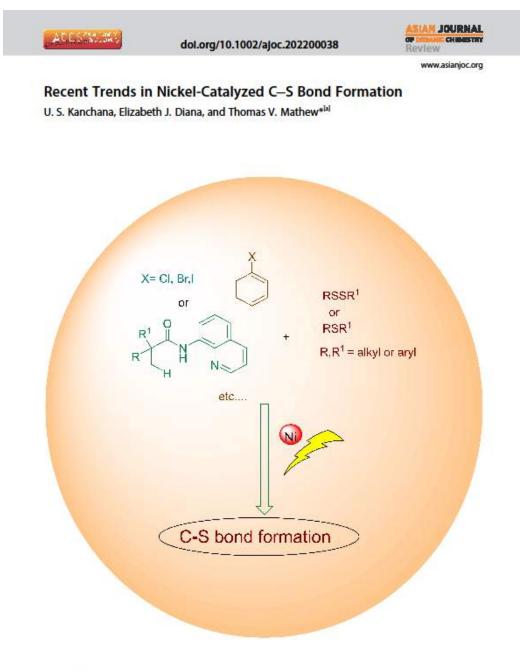
D. Jose

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Published on 71 April 2022

with group 8-10 transition metal catalysts, remarkably palladium complexes, is the way of selection for a broad range of C-C (Varun et al. 2017; Kanchana et al. 2020a, b; Jose et al. 2020a; Diana et al. 2020) C-Se (Jose et al. 2020b), C-N (Hosseinian et al. 2018), C-P (Kanchana et al. 2021), C-S (Hosseinian et al. 2019) or C-M bond-forming methods. Mizoroki-Heck cross-coupling is transition metal-catalyzed coupling between anyl halides or vinyl halides with an activated alkene, in the presence of a base resulting in substituted alkene through a new C(sp2)-C(sp2) bond formation (Christoffel and Ward 2018). Richard F. Heck, Ei-ichi Negishi and Akira Suzuki won the Nobel prize in chemistry in 2010 for their studies 'for palladium-catalyzed cross-couplings in organic synthesis' (Astruc 2010).

Metal nanoparticles are highly effective catalysts in Mizoroki-Heck reaction because of their high efficiency, eco-friendly nature and economic favourability (Jagtap 2017). Among the transition metals, palladium is one of the most versatile metals used as a catalyst, especially C-C coupling reactions (Bhattacharjee and Ahn 2015). Much research has been done on palladium metal nanoparticle catalysts due to their high catalytic activity depending upon size, shape and crystal structure of it (Hajipour and Tavangar-Rizi 2017). The unique catalytic properties of nanocatalysts are different from those of bulk counterparts, mainly resulting from their small size, the sizeable surface-volume ratio of nanoparticles, the quantum size effect and electric field enhancement (Trzeciak and Augustyniak Elizabeth J Diana (Alphonsa College, Pala), U.S. Kanchana (M. G. University, Kottayam), Thomas V Mathew (St.Thomas College, Pala), 'Recent trends in Nickel-catalyzed C-S bond formation', <u>https://doi.org/10.1002/ajoc.202200038</u>



Asian J. Org. Chem. 2022, e202200038 (1 of 26)

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Minu Joy (Alphonsa College, Pala)and Rakhi R (NSS College, Pandalam) Ringing Non-Gaussianity from inflation with a step in the second derivative of the potential, <u>https://doi.org/10.1007/s12043-022-02304-3</u>

Pramana - J. Phys. (2022) 96:56 https://doi.org/10.1007/s12043-022-02304-3 O Indian Academy of Sciences



Ringing non-Gaussianity from inflation with a step in the second derivative of the potential

R RAKHI1 and MINU JOY20*

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MS received 4 August 2021; revised 22 October 2021; accepted 8 November 2021

Abstract. Inflationary model driven by a scalar field whose potential has a step in the second derivative with respect to the field is considered. For the best-fit potential parameter values, the 3-point function and the non-Gaussianity associated with the featured model is calculated. We study the shape and scale dependence of the 3-point function. The distinctive feature of this model is its characteristic ringing behaviour of $f_{\rm NL}$. We can see that the oscillations in $f_{\rm NL}$ in this model last for a much longer range of k values, than the previously studied models. In that sense, this model is potentially distinguishable from models with other features in the potential.

Keywords. Inflation; 3-point function; non-Gaussianity.

PACS Nos 98.80.Cq

1. Introduction

In standard slow-roll inflation, the deviation from the Gaussian distribution of the primordial perturbations [1-3] is predicted to be small. It is of the order of the slow-roll parameters [4-7]. This result does not hold if the inflaton undergoes a period of slow-roll violation during its evolution [8-11], as can happen if the inflaton potential has some localised features [12]. The resulting non-Gaussianity [13] then becomes shape and scale-dependent and modes that exit Hubble scale around the time the field crosses the feature can pick up large non-Gaussianities. An inflationary model, where the inflaton potential has a feature in its second derivative with respect to the inflaton, has been proposed in Minu Joy et al [14], where they showed that the power spectrum picks of small oscillations superimposed on a flat spectrum and the spectral index can experience a jump around the feature. This scenario helps to explain the local running in the spectral index observed in the WMAP and Planck data [15-18]. In the present work, we are interested in studying the non-Gaussianity predicted by this model. The analysis of the running of non-Gaussianity using Planck data is given in [19], in the context of some well-defined inflationary models. Inflationary models that predict a mildly scale-dependent bispectrum, termed as the running of the bispectrum

Publisher online: 00 Mode 2032

[20-23], is discussed there. In the present work, we compute the 3-point function of the curvature perturbation and study the shape and scale dependence of the 3-point function.

The paper is organised as follows: in §2 we describe our model and give its background evolution and resulting power spectrum of curvature perturbations. In §3 we compute the 3-point function and the non-Gaussianity from the model and then conclude by summarising the results in §4.

2. The model with a step in the second derivative of the potential

A model in which the inflaton potential experiences a sudden small change in its second derivative (the effective mass of the inflaton) is considered. Let [] denote a jump in the relevant quantity, so that [A] $\equiv A(\varphi_c + 0) - A(\varphi_c - 0)$ where $\varphi = \varphi_c$ is the point at which the feature occurs. We consider the case for which [V] = [V'] = 0, $[V''] \neq 0$ and $|[V'']| \ll H^2$. The last inequality guarantees that slow-roll inflation continues during and after the phase transition, in contrast to the case of the hybrid inflation, or the case $|[V'']| \sim H^2$. A field theoretic model giving rise to such a feature of the

Priya Antony (Alphonsa College, Pala), S. Bharanidharan (Agni College, Chennai), R. Jerald Vijay(St. Joseph's College, Trichy), S. John Sundaram (SH College Thirupattur), Albin John P. Paul Winston (Loyola College, Chennai) Ligimol Louis(St. Xaviers College, Jaipur), Jilly James (Alphonsa College, Pala), P. Sagayaraj (Loyola College, Chennai), 'Structural, thermal, linear and nonlinear optical and cytotoxicity studies of a novel organic stilbazolium salt: 4-[2-(4-hydroxyphenyl)ethenyl]-1- methylpyridinium 4-styrenesulfonate', https://doi.org/10.1016/j.molstruc.2022.133196

Journal of Molecular Structure Journal of Molecular Structure journal homepage: www.elsevier.com/locate/molstr

Structural, thermal, linear and nonlinear optical and cytotoxicity studies of a novel organic stilbazolium salt: 4-[2-(4-hydroxyphenyl)ethenyl]-1-methylpyridinium 4-styrenesulfonate

Priya Antony، S. Bharanidharan^c, R. Jerald Vijay^d, S. John Sundaram^e, Albin John P. Paul Winston^a, Ligimol Louis^f, Jilly James^g, P. Sagayaraj^{a,*}

³ Deparament of Physics, Layola Catlege (Autonomous), Chennal 600074, India ⁴ Deparament of Physics, Aphronso Catlege, Kourayam, Kenda 6000 27, India ⁶ Deparament of Physics, Apir Catlege of Fochology, Thalamburg, Chennal 6000 30, India ⁶ Deparament of Physics, Science Structure, Catlege (Autonomous), Tristy 600002, India ⁶ Deparament of Physics, Sared Hean Cutlege (Autonomous), Tristy 600002, India ⁶ Deparament of Science, S. Autoris's College (Autonomous), Tristy 600002, India ⁸ Deparament of Science, S. Autoris's College, Japan, Kayashan 302002, India ⁸ Deparament of Chemisery, Alphonse Callege, Kourayam, Kerala 600127, India

ARTICLE INFO

Article history: Received 3 January 2022 Revised 27 April 2022 Accepted 28 April 2022 Available online 2 May 2022

Keywords: Scilbazolium salu DFT calculation

X-ray analysis Thermogravimetry Antiproliferative activity

ABSTRACT

Organic non-linear single crystals of 4-[2-(4-hydroxyphenyl)ethenyl]-1-methylpyridinium 4styrenesulfonate (HMSS) are grown by means of slow solvent evaporation growth process. Stoichiometric ratio of the elements existing in the compound is identified by elemental analysis. Single crystal X-ray diffraction discloses that the developed crystal being included in to P2₃/n space group with monoclinic crystal system. In addition, an analysis of crystal structure and Hirshfeld surface are used to expose the intermolecular interaction and hydrogen bonds. Quantum chemical calculations performed using the density functional theory (DFT) at DFT/B3UP(96-311+G(d,p) level of the compound provides further insight on the properties in particular molecular electrostatic potential, natural bonding orbital analysis (NBO). Mulliken and NBA charges, static dipole moment, polarizability, first order hyperpolarizability and thermodynamic functions. The frequencies (vibrational) of the compound HMSS are recognized using FT-IR and FT-Raman analysis and compared with the calculated data. Thermal properties of HMSS are accomplished via the way of TG and DSC analyses. Further, antiproliferative behavior of the obtained compound is assayed against human breast adenocarcinoma cells MCF 7 and normal Vero cells (monkey's kidney cells).

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1. Introduction

There is a predominant hopeful concern in organic nonlinear optical (NLO) materials compared to inorganics in the field of optoelectronic and bio photonics [1–4]. The organic π conjugated D-A material with pyridinium units has been receiving massive awareness on account of its remarkable applications in data storage devices, optical communication and computing, color displays, 3D optical data storage, information processing, remote sensing by laser and medical diagnostics erc. [5–6]. In organic molecules, the accessible delocalised π -electron system gin of the NLO properties. The optical NLO efficiency of organic salts are depended upon strong Coulombic interactions among the π -conjugated chromophore with appropriate electron donor and acceptor groups at the end [9–11]. The styrylpyridinium derivatives are considered to be good conjugated π -systems, and they have been pur to practical uses for their large NLO efficiencies and high-speed electro-optic applications [12–14]. In continuation of our research on organic NLO materials, the title compound 4-[2-(4-hydroxyphenyl)ethynyl]-1-methylpyridinium 4sytrenesulfonate (HMSS) was synthesized. In recent years, computational chemistry has become an important tool for chemistry. Densiny functional theory (DFT) method has become a major tool in the

with strong D- π -A intermolecular interaction abides as the ori-

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https://doi.org/10.1016/j.molstruc.2022.133196 0022-2860/0 2022 Elsevier B.V. All rights reserved.

SCIENTIA, 2021- Online Lecture series for school students conducted by the students of Department of Chemistry

The Department of Chemistry organized an Online Science lecture series for school students -SCIENTIA. It is aimed to inculcate scientific temper in school students through informative attractive and entertaining online classes, taken by our students.



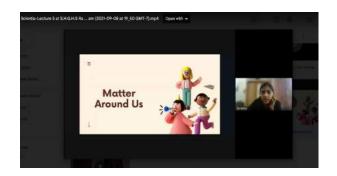
Date	School	Class	Name of Tutor	Class	Торіс
26/06/20 21	St. Thomas UP School, Arakulam	Class 7	Ankitha Jacob	III DC CHEMISTRY	ACID AND BASES
04/07/20 21	St Sebastian's HSS, Kadanadu	Class 7	Ankitha Jacob	III DC CHEMISTRY	ACID AND BASES
10/07/20 21	S.H.G.H.S, Ramapuram	Class 7	Ankitha Jacob	III DC CHEMISTRY	ACID AND BASES
26/07/20 21	St Mary's HSS, Teekoy	Science Club students from class 5 to 9	ANJALI KRISHNA	III DC CHEMISTRY	Accidental discoveries in chemistry
09/09/20 21	S.H.G.H.S, Ramapuram	Class 7	Ria Robins	III DC CHEMISTRY	States of Matter
18/09/20 21	St Mary's HSS, Teekoy	Science Club students from class 5 to 9	Ankitha Jacob	III DC CHEMISTRY	ACID AND BASES
11/10/20 21	St Mary's HSS, Teekoy	Science Club students from class 5 to 9	Gopika G Nair	III DC CHEMISTRY	Space Research















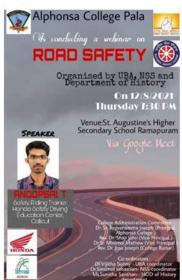
Collaborative activities of Unnat Bharath Abhiyan in various associated schools , July 2022

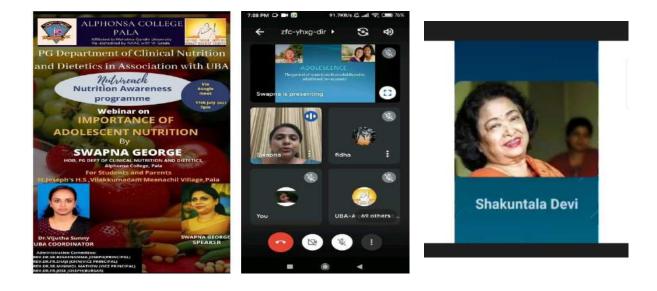
Unnat Bharat Abhiyan is a flagship program of the ministry of human resource, Government of India. Under this scheme, Alphonsa college has adopted five villages from the locality- Meenachi, Meenachil part, Ramapuram, Kadanadu and Bharanaganam. College has extensively worked for the upliftment of the rural areas of these villages as part of its social commitment. Several online as well as offline programs like webinars and donation activities were carried out during 2021-22 in collaboration with these institutes.

Date	Name of activity	Participating Department	Participating School
04/07/20	Science lecture - Acids and Bases	Department of	St Sebastian's HSS,
21		Chemistry	Kadanadu
10/07/20	Science lecture - Acids	Department of	S.H.G.H.S, Ramapuram
21	and Bases	Chemistry	
11/07/20 21	Webinar on " Importance of adolescent nutrition"	Department of Clinical Nutrition	St. Joseph's H S, Vilakkumadam, Meenachi village
19/07/20	Book Donation	Department of	Prathibha Kendram
21		English SF	Library, Arunapuram
25/07/20 21	Talk on 'Parenting and child abuse'	Economics and Women's cell	St, Michael's HSS Pravithanam, Kadanadu village
29/07/20	Talk on Shakuntala	Department of	St. Joseph's High School,
21	Devi	Mathematics	Manathoor
10/08/20	Webinar on Road	Department of	St. Augustine's HS school,
21	Safety	History and NSS	Ramapuram
09/09/20	Science lecture -	Department of	S.H.G.H.S, Ramapuram
21	States of matter	Chemistry	

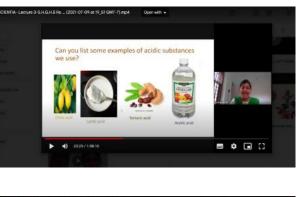














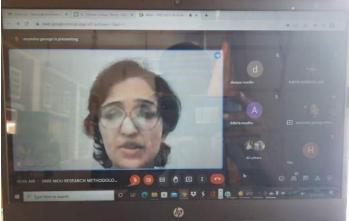


SREE - Sharing Resources and Expertise for Excellence - Seminar Series , Department of History, 2021-22

SREE - Sharing Resources and Expertise for Excellence , is a collaborative initiative between the Departments of History in Alphonsa College, Pala, St Thomas College, Palai, St Dominic's College, Kanjirapally, St Thomas College Ranni and Henry Baker College Melukavu. Under the auspices of SREE, a series of lectures were given by the faculty of these colleges among them.

Date	Name of Faculty	Торіс
16/12/2021	Deepa Roslin, Assistant Professor, St. Thomas College, Ranni	Different Kinds of History
20/12/2021	Dr. Jojy Thomas, Assistant Professor, St. Dominics College Kanjirapalli	Objectivity in Historical Research
10/01/2022	Ms. Lakshmi S Nair, Assistant Professor on contract, Henry Baker College, Melukavu	Aikya Kerala Movement
10/03/2022	Monisha George, Assistant Professor on Contract, Alphonsa College	Documentation in Research Methodology at St Thomas College, Ranni







Survey: Ozone Day: Popularising Ozone Protection, 16-09-2021, in association with Unnat Bharat Abhiyan, Alphonsa College, Pala

The department of physics conducted a survey on "Awareness of Ozone Layer in Students" in association with Dr. Susan George K, Scientist E, Ministry of Environment, Forest and Climate Change and Unnat Bharat Abhiyan to assess the awareness of Ozone Layer and its importance among students. Students from various schools and colleges of Kerala took part in this survey by filling the google form and helping to to understand how much more has to be done in popularising Ozone Protection. The survey was launched on Ozone day September 16th for 6 days.

Objective

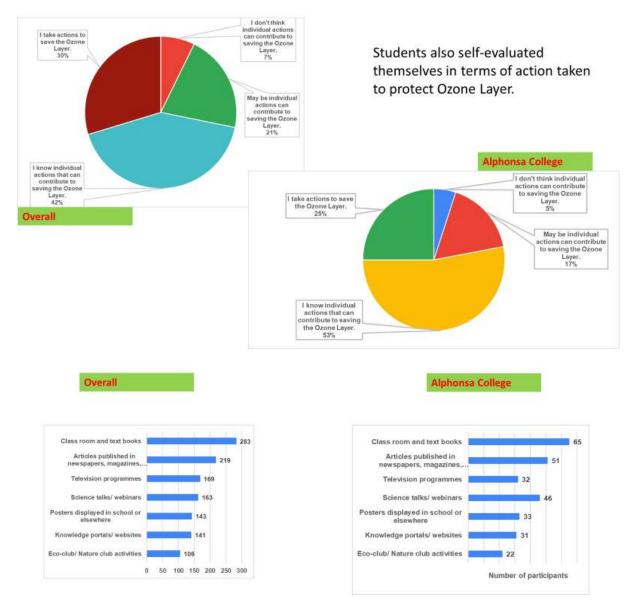
- To design a rating scale that could indicate the awareness level of participants on a particular topic.
- To evaluate students' level of awareness on a particular topic
- To arrive at a comprehensive picture of the awareness level of the students on a particular topic.
- To design and organize awareness programmes based on the evaluation.

Number of participants	: 330
Number of participating institutions	: 39 colleges and 15 schools
Level of participation	: State level

- Survey conducted among student of Class 9 to PG
- Launched on the International Day for Preservation of Ozone Layer, Sep 16, 2021
- Conducted for 6 days Sep 16 to 21, 2021
- Total number of responses received = 342
- Number of responses selected for study = 330

Major highlights





Mapping of major sources from where students gain knowledge.

Benefits

- Rating scales help students to actively look at and be aware of new topics.
- Help activate prior knowledge.
- Helps teachers/ groomers to identify areas which require further attention.
- Helps in designing/ organising awareness programmes

Survey on Odonate Diversity in Kottayam district conducted by the Research Department of Zoology in collaboration with TIES, Manarkadu on 12-13 March 2022

To nurture the interest among students and nature lovers for studies in biodiversity, the Research Department of Zoology in collaborationTropical Institute of Ecological Sciences TIES, Kottayam and Department Forests and Wildlife, Govt. of Kerala conducted Meenachil odonate survey on March 12 - 13, 2022. 10 of our students participated in the survey and enriched themselves with experience.







Online Add-On course in Research Publication and Ethics, in collaboration with St. Stephen's College, Uzhavoor and Lore & Ed Research Associates 03/07/2021 -30/09/2021

An Add-on course on 'Research Publication and Ethics' was organised by IQAC in collaboration with St. Stephen's College, Uzhavoor and Lore & Ed Research Associates for the faculty and students of the college from 03/07/2021 to 30/09/2021. The sessions were conducted in online mode. 65 faculty members participated in the course. The sessions were very useful as they were publication related. All the sessions were handled by expert personalities. The schedule of the course is as follows.





Module & Indexing dotabases, otation databases: whe of Science, Scopus atc., imper-factor of journe as per loarnel Diation Report, StillP, SJR, IPP, Cite Score, metrix: N-incex, g-index, 10 index, atmentics.

Course Coordinators Dr. Dani Mathew M IGAC Coercinator Alptoinsa Collaga, Pala

Lt Jais Kurian IQAG Goersinator St. Stephen's College, Uzhaveor

Rekha Mathew Assistant Professor Department of Physics Alphance College, Pala

Jasimudeen S. Librarian St. Stephen's College, Uzhavoor

Sand hya Sebastian MD & CEO Lore & Ec

Jinto Michael Xilactor, Lore & Ed folgio reanded com Ph: 7558943431

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Researcher Profile Creation-1.mp4 **Researcher Profile Management System** Viswanat Assistant Librarian Central Library School of Planning and Architecture, Vijayawada rvey No.4/4, ITI Road Vijayawada-520008, Andhra Pradesh, India 10.07.2021- Resercher profile creation

Date	Торіс	Resource Person
10-07-2021	Research Profile Page	Viswanath G.S. , Assistant Librarian,
	Creation - 1	School of Planning and Architecture,
		Vijayawada
17-07-2021	Researcher Profile Creation-	Viswanath G.S., Assistant Librarian,
	2	School of Planning and Architecture,
		Vijayawada
27-07-2021	Academic Writing Skills and	Dr K P Vijayakumar, Former Head,
	Preparation of a Research	Department of Library and Information
	Proposal	Science, University of Kerala
		Hon. Director, Centre for Information
		Literacy Studies
28-07-2021	Article Publishing and Peer	Dr K P Vijayakumar, Former Head,
	Review Process	Department of Library and Information
		Science, University of Kerala
		Hon. Director, Centre for Information
		Literacy Studies
29-07-2021	Preparation of Scholarly	Dr K P Vijayakumar, Former Head,
	Articles	Department of Library and Information
		Science, University of Kerala
		Hon. Director, Centre for Information
		Literacy Studies
30-07-2021	Preparation of Doctoral	Dr K P Vijayakumar, Former Head,
	Theses	Department of Library and Information
		Science, University of Kerala
		Hon. Director, Centre for Information
		Literacy Studies
31-07-2021	Open Access Publishing, and	Sri. Venkitachalam Sriram, Chief Librarian,
	Social Networking for	K N Raj Library, Centre for Development
	Researchers	Studies, Thiruvananthapuram
31-07-2021	Information Sources for	Sri. Venkitachalam Sriram, Chief Librarian,
	Research	K N Raj Library, Centre for Development
		Studies, Thiruvananthapuram
01-08-2021	How to Prepare a Reading	Dr Gopakumar V., Former University
	List Prior to Research	Librarian & Head, Department of Library
		and Information Science, Goa University

02-08-2021	Reference Management	Dr Gopakumar V., Former University
	Using Mendeley	Librarian & Head, Department of Library
		and Information Science, Goa University
03-08-2021	Abstracting and Indexing/	Sri. Sanjo Jose , Librarian,
	Citation Databases, Journal	St. Thomas College (Autonomous),
	Metrics	Thrissur
04-08-2021	Publication Ethics, Predatory	Sri. Sanjo Jose , Librarian,
	Publishers	St. Thomas College (Autonomous),
		Thrissur
06-08-2021	Open Access, Predatory	Sri. Sanjo Jose , Librarian,
	Publishing, Journal Index	St. Thomas College (Autonomous),
		Thrissur
08-08-2021	Academic Writing and	Dr P K Suresh Kumar ,Assistant Librarian &
	Plagiarism	Head, Information Technology Division,
		Kerala University Library,
		Thiruvananthapuram
09-08-2021	Research Data Management	Nikesh Narayanan, Assistant Professor and
		Information Technology Librarian,
		Library and Learning Commons
		Department,
		Zayed University, Dubai
10-08-2021	Zotero Reference	Dr Vimal Kumar V, Reference Assistant,
	Management Software	Mahatma Gandhi University Library,
		Kottayam
12-08-2021	Approaches to Academic	Dr Achuthsankar S Nair
	Writing	Professor and Head, Department of
		Computational Biology and Bioinformatics,
		University of Kerala
13-08-2021	An Overview of Intellectual	Adv Benoy K Kadavan
	Property Rights	Trademark Attorney and Advocate, High
1		Court of Kerala, Ernakulam

Administrative training programme in collaboration with St. Thomas College, Pala, 20/11/2021

IQAC of Alphonsa College and St. Thomas College, Pala jointly organised an 'Administrative training programme' for the staff on 20 November 2021. Sri. Babu N T and Sri. Shine K S gave the orientation on Store purchase manual and e-grants and PD rules. .. staffs from Alphonsa College participated in the training.



Administrative Training Programme

Jointly organized by

IQACs of St. Thomas College Palai and Alphonsa College Palai

20 November 2021, 10.00 am Tisserant Hall

Inaugural Session: 10.00 am Silent Prayer: Welcome: Dr. Ison V. Vanchipurackal (IQAC Co-ordinator, St. Thomas College, Palai) Presidential address: Rev. Dr. James John Mangalathu (Principal) Inauguration: Dr. R. Pragash (Deputy Director, Collegiate Education, Kottayam) Felicitation: Rev. Dr. Sr. Regeenamma Joseph (Principal, Alphonsa College, Pala) Vote of Thanks: Dr. Dani Mathew M. (IQAC Co-ordinator, Alphonsa College, Pala)

Technical Sessions: Welcome: Sri. Sunil N.J. (Senior Superintendent, St. Thomas College, Palai)

Session: I 11.00 am - 1.00 pm: Topic: Store Purchase Manual Resource Person: Sri. Babu N.T.

(Senior Superintendent, Deputy Directorate of Collegiate Education, Kottayam)

Session: II

2.00 pm - 4.00 pm: Topic: E- Grants and P D Rules

Resource Person: Sri. Shine K.S.

(Junior Superintendent, Deputy Directorate of Collegiate Education, Kottayam)

Vote of Thanks: Sri. Binu Joseph (Junior Superintendent, Alphonsa College, Pala)



Orientation programme on quality issues for teachers and students organised by the institution

Observation of World Environment day 04/06/2021- 17/06/2021

Digital manuscript magazines released by departments, 07/06/2021

EBSB club conducted Orientation programs on quality matters of Himachal Pradesh and Kerala, 23/06/2021

Awareness classes on Drugs, addiction and de- addiction, 26/06/2021- 19/08/2021

Talk series by students, Department of Physics (30-06-2021 to 11-12-2021)

MEGA WEBINAR ON TIME MANAGEMENT 10/07/2021 conducted by Lions Club International & NSS unit Alphonsa College Pala

Orientation class on 'Exploring Avenues', Dr. Susan George E, Scientist, 17/07/2021

Department of Malayalam organized a webinar on "Penma: Swathawam. Samkalpanam, Prathinidhanam: Womanhood " on 14/07/2021

Malayalam department conducted a webinar on 'marunnaparisthikapadangal : Changing ecological lessons' on 17/07/2021

Fevicryl Online Painting workshop organised by UBA, 17/07/2021 - 18/12/2021

GENDER AWARENESS TRAINING PROGRAMME - 'KAMAL' on 24/07/2021, organised by NSS

Awareness class on 'Domestic Violence Act and Dowry Prohibition Act' on 27/07/2021 organised by NSS

The Orientation programme on Munshi Premchand on 04/08/2021-05/08/2021

Orientation programs by Centre for Gandhian Studies 28/08/2021 - 25/02/2022

Induction programme for First year UG students 28/09/2021 - 04/10/2021

Breast Cancer Awareness Programme - "Salabham" on 27/10/2021 organised by NSS

35th Bishop Vayalil Memorial Intercollegiate Quiz Competition on 26/11/2021

YOUNG ECONOMIST Competition 2022 conducted by Department of Economics, 02/12/2021

Orientation class for NSS volunteers followed by camp 26/12/2021-02/01/2022

Orientation program on Career Training on 13/01/2022 by Dr. Muralee Thummarukudy, Chief of Disaster Risk Reduction in the UN Environment Programme

Induction programme organised by SC/ST cell, 12-15 February 2022

Nammude ponnomanakal - Campaign for protection of students on 24/02/2022 organised by NSS , Women's cell and Police Department

Women's cell in association with Social Justice Forum, Pala organised a program 'Athulya' on 10/03/2022

Inauguration of RUSA 2.0 funded Volleyball court and Renovation projects, 21/03/2022

Awareness class on 'Women protection Laws' on 26/03/2022 organised by Women's cell

Observation of World Environment day 04/06/2021-17/06/2021

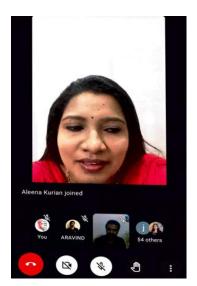
NSS unit in association with Kerala Forest and Wild Life Department, Social Forestry Division Kottayam celebrated World Environment Day by organising a webinar on 'Valuing mother Earth- our mission for Eco restoration' on 4th June 2021. Dr. Asharani K. (Nature Education Officer, Periyar Tiger Reserve) was the resource persons.





NSS in association with Birds Club International and Nature Club of RIT Kottayam, organized a webinar on 17th June 2021 in connection with the Commemoration of famous Indian Ornithologist Shri. Induchoodan. Dr. Aparna a Purushothaman (Wildlife Photographer) gave the talk on Shri. Induchoodan.





Digital manuscript magazines released by departments, 07/06/2021

Every year, the departments release manuscripts by the students to generate scientific aptitude among them. They become writers, editors, printers and publishers. The manuscripts show their strength, talents and creativity. The faculty give assistance as and when required only. This transforms the students from being passive readers to being active editors too. In the year 2020-22, the magazines became digital too as the whole world turned digital. It gives more universal accessibility.

The digital manuscript magazine of the Department of Botany **'CYNEFIN'** released on 07/06/2021. The magazine is enriched with the details of 100 common medicinal plants around us collected by the students of the department.

https://online.fliphtml5.com/rudni/ihtj/

Magazine released in connection with World environment Day

https://online.fliphtml5.com/rudni/sfft/

The digital manuscript magazine '**HARMONICS**' of the department of Physics released on 17/07/2021. It contains many scientific articles written by the students of the department.

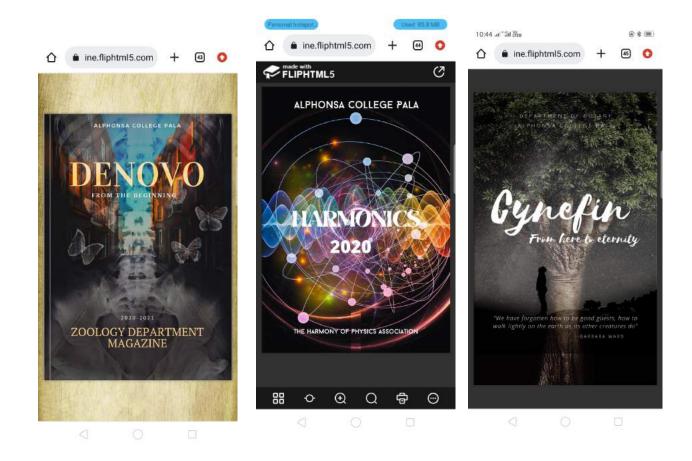
https://online.fliphtml5.com/srrnk/yaca/

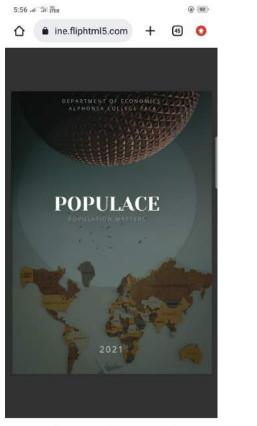
The digital manuscript magazine '**DENOVO**' of the department of Zoology. The magazine has many scientific articles written by the students of the department.

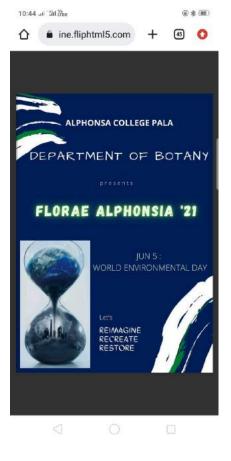
https://online.fliphtml5.com/jixtv/pqpz/

The magazine **'POPULACE'** of the department of Economics has articles written by the students on population facts and various topics related to world population day. The magazine was released on 12/07/2021.

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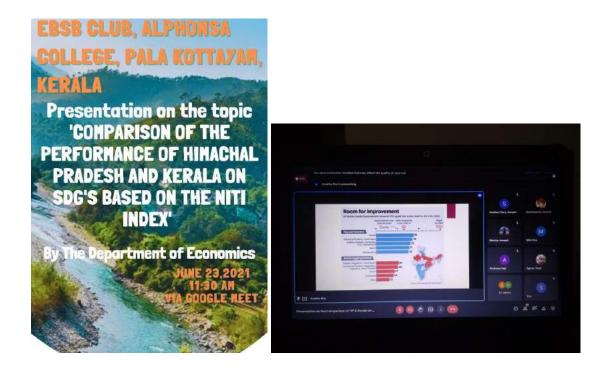




EBSB club conducted Orientation programs on quality matters of HP and Kerala, 23/06/2021

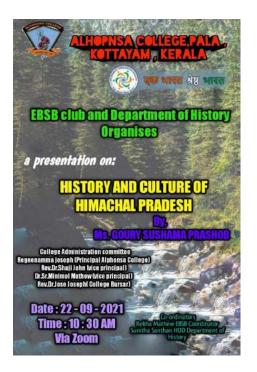
A presentation on the topic "Comparison of the performance of Himachal Pradesh and Kerala on SDG's based on the Niti index " was conducted on June 23rd 2021 by Miss. Anakha Roy, III DC, Department of Economics. The seminar was organized to create awareness about SDG's based on Niti index and to compare the performance of the two states. The presentation was attended by about 100 participants.

Link to presentation by Dept of Economics on EBSB



A presentation on the topic "History and culture of Himachal Pradesh "was conducted on September 22rd 2021 by Miss. Goury Sushama Prasobh, III DC, Department of History. The seminar was intended to introduce the rich culture and history of HP to our students.

Link to presentation by Dept of History on EBSB



A webinar on the subject of "Unboxing Food Culture of Himachal Pradesh" was organized on October 23rd 2021 by Miss. Chanjal Bright, I PG of the PG Department of Clinical Nutrition and Dietetics. The seminar was organized to create an awareness about Himalayan food culture.

Link to presentation by Dept of CND on EBSB

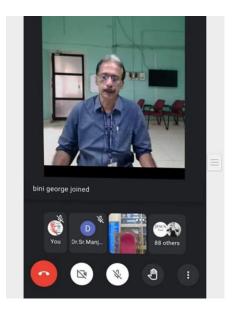


Awareness classes on Drugs, addiction and de- addiction 26/06/2021- 19/08/2021

INTERNATIONAL DAY AGAINST DRUG ABUSE AND ILLICIT TRAFFICKING

Department of Chemistry in association with NSS, NCC and Mahatma Gandhi National Foundation, Vimukthi De-addiction Centre, Pala jointly organised a webinar on Drug abuse & Impacts on 26 June 2021. Sri. Mani C Kappen, MLA, inaugurated the seminar. Sri. Abu Abraham, Assistant Excise Commissioner, Excise Vimukthi Mission, Kottayam delivered the talk. Smt. Sini Elsa Jose, clinical Psychologist, Vimukthi De-addiction Centre, Pala conducted an awareness class.





Mathrubhumi ADOGGA

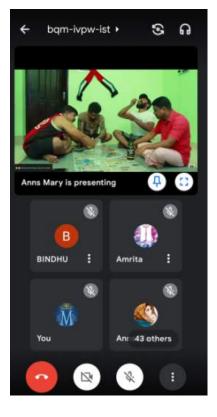
അന്താരാഷ്ട്ര ലഹരിവിരുദ്ധദിനാചരണം

PALA FRATTUPETTA Pa



As a part of the observance of International day against drug abuse and illicit trafficking, an awareness talk on 'De Addiction' ZIRCORN, was organised by the department of Zoology . Ms. Bindu Varghese ,Trainer & counsellor, Former child line counsellor, Kerala Govt Minority Welfare dept faculty delivered the talk on 19/08/2021.





Talk series by students, Department of Physics (30-06-2021 to 11-12-2021)

SI. No	Name of student	Class	Торіс	Date
1	S. Gowri Krishna	III DC Physics Model 2	INDIA and SCIENCE	30-06-2021
2	Joshma Joseph	II DC Physics Model 1	WOMEN SCIENTISTS	07-07-2021
3	Sarah J Mariyam	III DC Physics Model 1	ORIGIN OF ANCIENT ASTRONOMY IN INDIA	14-07-2021
4	Devika R	III DC Physics Model 1	INDIAN SCIENTISTS	14-07-2021
5	Binsa Asha , Elsa Maria and Hima R	II DC Physics Model 1	Nagasaki explosions and various concepts that headed towards Hiroshima	06-08-2021
6	Shymily Sivadas, Aswara KP	III DC Physics Model 1	Photoelectric effect	01-09-2021
7	Nayan Hridya Praksah	II DC Physics Model 1	Preservation of Ozone layer	15-09-2021
8	Nandhana Pushpan	II DC Physics Model 1	E- waste	15-09-2021
9	Alka Philip	III DC Physics Model 2	GPS	22-09-2021
10	Parvathi Krishna	III DC Physics Model 2	Motion of Planets	22-09-2021
11	Aiswarya Joby , Anjali Babu	III DC Physics Model 1	Tribute to Prof. T. Padmanabhan	29-09-2021
12	Feby Rose Mary	I DC Physics Model 1	CONTRIBUTIONS OF MARIE CURIE and PIERRE CURIE	13-11-2021
13	Aline George	I DC Physics Model 1	C. V. RAMAN	27-11-2021
14	Pretty Jojo	III DC Physics Model 2	E- waste management	11-12-2021
15	Richu Liz Roy	III DC Physics Model 2	Crypto currency	11-12-2021



MEGA WEBINAR ON TIME MANAGEMENT 10/07/2021 conducted by Lions Club International & NSS unit Alphonsa College Pala

National Service Scheme, Department of Zoology and Lions Club International conducted a Mega webinar on 'Time Management' on 10th July 2021. Prof. Varghese Vaidyan, PDG, Trainer, LCIP, FDI & Lions Quest Faculty, led the session as a part of youth empowerment programme. The resource person shared his experiences and led a fruitful discussion.





Orientation class on 'Exploring Avenues', Dr. Susan George E, Scientist, 17/07/2021

The Department of Physics organised an Orientation on Career Counselling 'Exploring Avenues' by Dr. Susan George K, Scientist E, Ministry of Environment, Forests and Climate change, New Delhi on July 17, 2021. The Online talk was aimed to introduce the various career options available to Physics students after their UG and PG programmes. It also gave an insight into the necessity of Higher Education in related fields.



The Department of Malayalam organized a webinar on "Penma: Swathawam. Samkalpanam, Prathinidhanam: Womanhood " on 14/07/2021

The Department of Malayalam, organizd a webinar "Penma: Swathawam. Samkalpanam, Prathinidhanam' on 14/07/2021. The resource person for the webinar was Dr. Mini Sebastian, Assistant Professor, Devamatha College Kurivilangad. The session was truly inspiring, interesting and fiery with her words. She encouraged all girls to be self motivated, independent and protected, to be on our own and made all participants proud as being a woman.



Malayalam department conducted a webinar on 'marunnaparisthikapadangal : Changing ecological lessons' on 17/07/2021

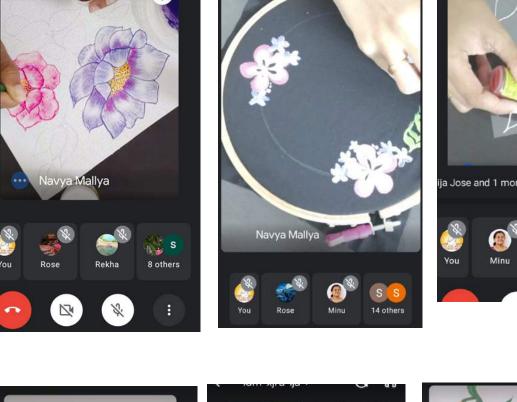
The Malayalam department conducted a webinar on 'marunnaparisthikapadangal' on 17 July 2021. The resource person for the session was Dr T. K Santhoshkumar, Assistant professor, Dept of Malayalam, University of Kerala at Kariavattom Campus. Also he is a poet, literary critic and media reviewer. The webinar was very informative and relatable with the current circumstances and calamities and he talked about the reasons behind it and the things to do next for the protection of the environment. He also suggested various meaningful stories and poems related to nature.



Fevicryl Online Painting workshop organised by UBA, 17/07/2021 - 18/12/2021

Online painting class was organised in association with Department of Physics and Fevicryl Pidilite India Ltd for the family members of staff and students of Alphonsa college as well as to the interested women entrepreneurs from the adopted villages of college under Unnat Bharat Abhiyan scheme. Two classes on every alternate Saturdays of a month, were conducted in the online mode. The classes were handled by the Fevicryl expert painter Ms Navya Maliya. One hour demonstration session was followed by the submission of the art piece by the attendees. Once submission is made within five days, review was done by the Fevicryl expert trainer and a certificate was issued by Fevicyl. These classes were highly useful for the esthetic development of the attendees. It helped in the skill development and a flair for entrepreneurship among the young minds.

SI. No	Date	Торіс
1	17-7-2021	Mexican Art
2	31-7-2021	Silhouette art
3	14-8-2021	Mosaic art
4	28-8-2021	Negative painting
5	11-9-2021	Glass painting
6	30-9-2021	Glass painting-Double Shading
7	17-10-2021	Black and white themed
8	23-10-2021	One Stroke Painting
9	13-11-2021	Gradation
10	27-11-2021	Dry Strokes
11	11-12-2021	Greeting Cards
12	18-12-2021	Christmas Wreath



Navya Maliya

-

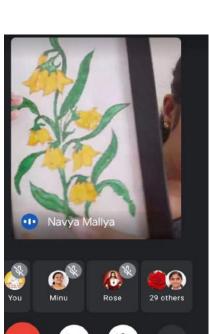
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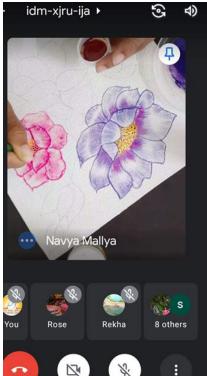
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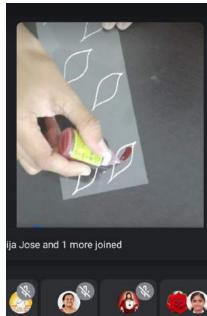
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31 others



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33 others

GENDER AWARENESS TRAINING PROGRAMME - 'KAMAL' on 24/07/2021, organised by NSS

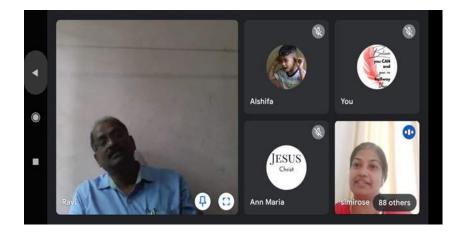
In association with Department of Woman and Child Development & Mahila Sakthi Kendra, Kottayam District, NSS unit of college in collaboration with Department of Chemistry, Zoology and Political Science, organized Gender Awareness Training Programme-KAMAL on July 24th 2021 by Mrs. Babitha Jacob, Gender Trainer. A detailed session on gender awareness and the possibilities and limitations were drawn by the presenter. It helped the students to be aware of themselves and the importance of being self confident.



Awareness class on 'Domestic Violence Act and Dowry Prohibition Act' on 27/07/2021 organised by NSS

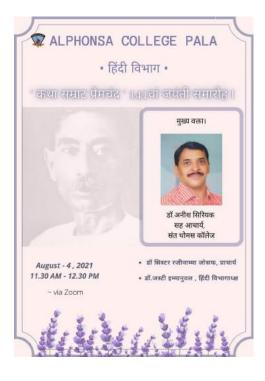
NSS in association with Meenachil Taluk Legal Services Committee, Pala organized a webinar on 'Domestic Violence Act and Dowry Prohibition Act' on 27th July 2021. Sri. G. Padmakumar, Judicial First class Magistrate, Pala inaugurated the programme and Adv. K. Ravikumar delivered the class.





The Orientation programme on Munshi Premchand on 04/08/2021-05/08/2021

The Orientation programme on Munshi Premchand, the renowned Hindi writer was conducted during August 4-5 2021. Dr. Anish Cyriac, Asst. Prof., Department of Hindi St. Thomas College Pala conducted a lecture on 'Re-Writing of Premchand' and Dr. Dinimol ND, Asst.Prof., Department of Hindi, St. Thomas College Pala delivered a lecture on 'Premchand Ghar Mein'. Faculty and students of the Hindi Departments of St. Thomas College, Pala and Alphonsa College, participated in the programme.

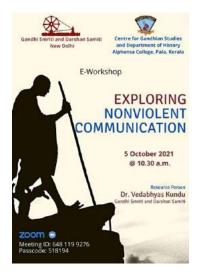




Orientation programs by Centre for Gandhian Studies 28/08/2021 - 25/02/2022

Centre for Gandhian Studies conducted various programs to create awareness about Gandhism and Gandhi way of life.

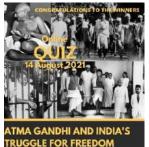
Date	Program	Resource Person
28/08/2021	WEBINAR ON "NEW VALUE SYSTEM FOR THE 21 ST CENTURY: GANDHIAN PERSPECTIVE	Dr. Vidyut Joshi, former Vice Chancellor, Bhavnagar University, Gujarat
25/09/2021	WEBINAR ON 'GANDHI AND SCIENCE'	Prof. Anamik Shah, former Vice Chancellor of Gujarat Vidyapith, Ahmedabad
05/10/2021	Workshop on Exploring Nonviolent Communication	Dr. Vedabhyas Kundu, Gandhi Smriti and Darshan Samiti
14/10/2021	Online Quiz on MAHATMA GANDHI AND INDIA'S STRUGGLE FOR FREEDOM	
15/10/2021	Video Competition on NONVIOLENT COMMUNICATION CAMPAIGN	
17/10/2021	Webinar on "MAHATMA GANDHI AND SEVEN SOCIAL SINS	Dr. Ram Prakash Dwivedi, Founder Director of Gandhi Adhyanpith, Mahatma Gandhi Kashi Vidyapith, Varanasi
25/01/2022	NATIONAL DOCUMENTARY FILM COMPETITION	
30/01/2022	WEBINAR ON 'MARTYRS DAY'	Dr. Anand Kumar, former Professor of Jawaharlal Nehru University, New Delhi
05/02/2022	Webinar on 'Prospects for Future Nonkilling and Nonviolent World Peace: Learnings from Bishop Desmond Tutu'	Dr. Anoop Swaroop, former Vice Chancellor of Jagran Lakecity University, Bhopal
25/02/2022	WEBINAR ON 'GANDHI AND COMMON LANGUAGE IN INDIA'	Dr. Papia Sen Gupta, Assistant Professor of the Centre for Political Studies, School of Social Sciences, Jawaharlal Nehru University, New Delhi





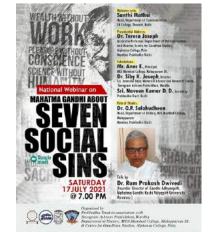






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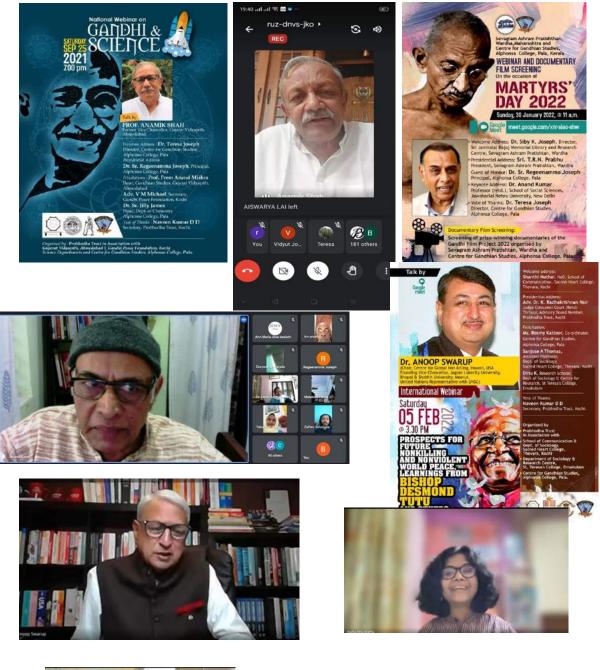
TRE FOR GANDHIAN STUDIES honsa College, Pala, Kerala









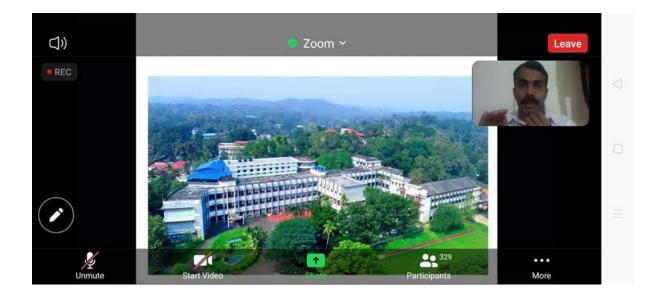






Induction programme for First year UG students 28/09/2021 - 04/10/2021

The Induction Programme for the first year students 2021-22 was held on 28 September to 4 October in online platform under the guidance IQAC and student Cabinet Advisors. The Programme began on 28 September 2021 with the Principal Rev. Dr. Sr. Regeenamma Joseph 's message, followed by words of blessings by Vice Principal Rev. Dr. Shaji John and Teacher's Voice by Ms. Cincila T Joy. On the second day an Orientation class was taken by Dr. Alex George, Asst. Professor, St. Thomas College of Teacher Education, Pala on the topic "The Path of a Perfect and Noble Woman Towards Excellence". Dr. Alex George sparked the student's minds with the fire of dreams and determinations. The Student Cabinet, College NCC, Career and Placement Cell were introduced on the third day on 30 September 2021. On 1 October a session was taken by the Civil Service Institute Pala and introduced the Civil Service Club of Alphonsa College. Introduction of Centre for Gandhian Studies, PGDCA, CSM, Jesus Youth, Debate and Oratory Club were done on the same day. On the last day the NSS, Women's Club, Quiz Club, Nature Club, EBSB Club, Birds Club, ENCON Club, Chess Club, Yoga and Aerobics Club, Movie Club were introduced to the first Year Students. The bridge courses for the first year students were conducted by different departments on October 5. An orientation talk by Fr. Jojo Mathew Chennattu, Clinical Psychologist, Mar Medicity, Pala on the topic 'Youth and Mental Health' was conducted on 25 October .



Breast Cancer Awareness Programme - "Salabham" on 27/10/2021 organised by NSS

Breast Cancer Awareness Programme - "Salabham" was organised by NSS in association with Mar Sleeva Medicity Pala. The programme was inaugurated by the famous writer Joseph Annamkutty Jose on 27th October 2021. NSS volunteers distributed leaflets on breast cancer to all students of our college for awareness.



Mathrubhumi മാത്രഭ്രമി

സ്തനാർബുദ ബോധവത്കരണവുമായി മാർ സ്റ്റീവാ മെഡിസിറ്റി



മാർ സ്റ്റീവാ മെഡിസിറ്റി പാലായുടെ ഒരുവർഷത്തെ 'ശലഭം' എന്ന സ്റ്റനാർമ്പുദ ബോധവത്കരണ പദിപാടിയുടെ ഉദ്ഘാടനം ജോസഫ് അന്നംകൂട്ടി ജോസ് നിർവഹിക്കുന്നു

കോട്ടയം ▶ മാർ സ്റ്റീവാ മെഡി സിറ്റി പാലായുടെ 'ശലം' എന്ന സ്റ്റനാർബ്യം ബോധവാർക്കണ പരിപാടി പാലാ അൽഫോൻ സാ കോളേജിൽ എഴുത്തുകാ മൻ ജോസഫ് അന്നംകുട്ടി ജോസ് ഉദ്ഘാടനം ചെയ്യു.

വര് കോസവം തന്നെകള്ം കോസ ഉദ്ഘാടനം ചെയ്യു. സ്വയം പരിശോധനയിലുടെ രോഗം കണ്ടെത്താനും ചിപ്പീസി കാനും കഴിഞ്ഞാൽ 95 ശതമാ നവും സുഖപ്പെടുത്താനാകും. സ്കൂറം, കോളേജ് വിദ്യാര്ഥി

സ്കൂറ്റം, കോളേജ് വിദ്യാർഥി കളിലൂടെ അമ്മമാരിലേക്കും മറ്റു സ്ത്രീകളിലേക്കും ബോധവത്കം ണസനേശം എത്തിക്കുക എന്ന ലക്ഷ്യത്തോടെയാണ് പരിപാ ടിയെന്ന് മാർ സ്റ്റീവാ മെഡിസി റ്റി പാലാ മാനേജിങ് ഡയറക്ക് മോൺ. എബ്രഹാം കൊല്ലിത്താ

27/10/2021 VAIKOM Pg 04

നത്തുമലയിൽ പറഞ്ഞു. മാനേജിങ് ഡയറകർ മോൺ, എബ്രഹം കൊല്ലിത്താനത്തുമ ലയിൽ, മെഡിക്കൽ ഡയറകർ ഡോ. ലീസി തോമസ്, സിസ്റ്റർ റെ ജിനാമ്മ ജോസംഫ് (പ്രിന്സിപ്പൽ – അൻഫോൻസാ കോളേജ്), ഡോ. സിസ്റ്റർ നെലിൻ ജോർജ് (സീനിയർ കൺസൽട്ടൻറ –ജനാൽ സർജറി, മാർ സ്റ്റീവാ മെ ഡിസിട്ടി പാലാ), ഡോ. റോണി ബെൻസൺ (കൺസൽട്ടൻറ –മെഡിക്കൽ മാലോംമജ്, മാർ സ്റ്റീവാ മെഡിസിട്ടി പാലാ), ഡോ. ജോഫിൻ കെ. ജോണി (കൺ സൽട്ടൻറ്-സർജിക്കൽ മാലോ ഉജി, മാർ സ്റ്റീവാ മെഡിസിട്ടി പാലാ) എന്നിവരും ചടങ്ങിൽ പങ്കെടുത്തു.

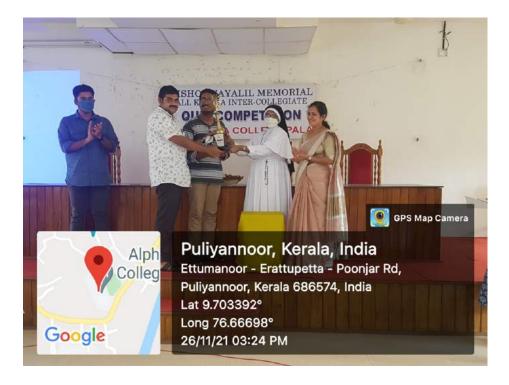
35th Bishop Vayalil Memorial Intercollegiate Quiz Competition on 26/11/2021

The Quiz club organized 35th Bishop Vayalil Memorial Intercollegiate Quiz Competition on 26 November 2021. Due to the Covid 19 restrictions the competition was conducted in the seminar hall with limited audience. Sri. Jithin Sankar, Assistant Professor, NSS Hindu College, Changanassery was the quiz master. Certificates and cash awards of Rs. 5000/-, 3000/- and 1000/- were given to first, second and third prize winners respectively. The winners are:

First Prize: University College, Thiruvananthapuram

Second Prize: Newman College, Thodupuzha

Third Prize: NSS Hindu College, Changanacherry



YOUNG ECONOMIST Competition 2022 conducted by Department of Economics, 02/12/2021

As part of finding the smartest and brightest among the budding economists of the college, the Department of Economics announced its maiden 'Young Economist' competition on 02/12/2021. The competition was designed to include multiple rounds of tasks that will test the students' memory, speaking, creative and analyzing skills. The student who secures the maximum point together in all these tasks was awarded the **'Young Economist**' title. The competition included a series of quizzes, an essay writing competition, a presentation, and a stress interview conducted over the months of December – March.

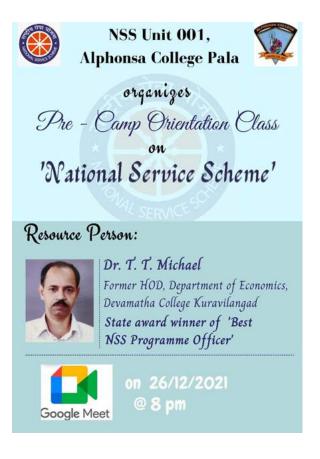
The YOUNG ECONOMIST 2022 title was won by Dona Jose of III DC Economics.

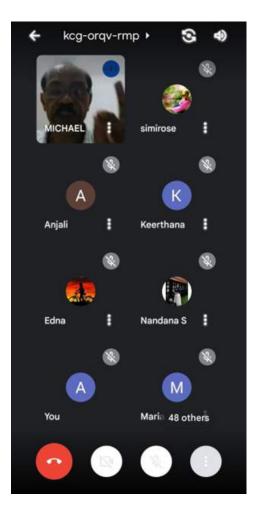




Orientation class for new NSS volunteers on 26/12/2021

Orientation class for new NSS volunteers was conducted on 26th December 2021. Dr. T.T. Michael (Former HOD, Department of Economics, Deva Matha college Kuravilangad; State award winner of 'Best NSS Programme Officer') delivered the class on " Importance of National Service Scheme today".





NSS Camp 27/12/2021 - 02/01/2022

The National Service Scheme of College organised a special Camp "Aakar" from 27.12.2021 to 02.01.2022 at Alphonsa College Pala. Sri. Mani C. Kappen MLA Pala inaugurated the camp. Due to restrictions imposed by pandemics, the camp consisted of interactive sessions by eminent personalities followed by river cleaning and rally.

Date	Session
27.12.2021	Effective Public speaking - Shri. Cheriyan Varghese (International Trainer)
27.12.2021	Communication skill - Dr. Rony George (K.E. College Mannanam)
28.12.2021	Responsibilities of NSS volunteers – Dr. Ajith James Jose (Former NSS Programme Officer, SB College Changanacherry)
29.12.2021	Personality Development – Shri. A.P. Thomas (National Trainer)
29.12.2021	Fire and Rescue- Shri. K.S. Bijumon (Fire and Rescue Station, Pala)
30.12.2021	Values in our life- Dr. Alex George (St. Thomas College of Teacher Education, Pala)
30.12.2021	Campus cleaning
31.12.2021	Meenachil River Cleaning at Kalariyammakal check Dam, Chethimattam
31.12.2021	Cyber security Awareness - Sri. Jobins James (Cyber Cell Kottayam)
01.01.2022	Training on Seed pen making – Dr. Sr. Manju Elizabeth kuruvila (Department of Zoology, Alphonsa college Pala)
01.01.2022	Rally against dowry
02.01.2022	Unity for success in our life – Dr. Joice V. Thomas (International Trainer, NETFISH- MPEDA, Cochin)

















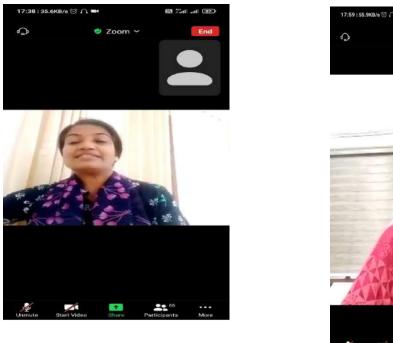
Orientation program on Career Training on 13/01/2022 by Dr. Muralee Thummarukudy, Chief of Disaster Risk Reduction in the UN Environment Programme

College Union in association with Career and Placement cell organized an orientation program on Career Training on 13-January 2022 in Seminar Hall. Dr. Muralee Thummarukudy, Chief of Disaster Risk Reduction in the UN Environment Programme was the resource person. He inaugurated the Training and Recruitment Cell of our college and conducted an interactive session about career opportunities with students. College Principal Rev. Dr. Rageenamma Joseph ,College Vice Principals, Rev. Dr. Shaji John, Dr.Minimol Mathew, College Bursar Rev. Dr. Jose Joseph, Union Advisors and Career and Placement Cell Co-ordinators were present.



Induction programme on 12/02/2022 organised by SC/ST cell

SC/ST monitoring cell of the college organised an induction cum orientation programme for the SC/ST students on 12/02/2022 on online mode. Dr. Simimole Sebastian, Asst Professor, Dept of Zoology, Alphonsa College served as the resource person. She explained and discussed the purpose and activities of the SC/ST monitoring cell. Total 75 students and the coordinators of the SC/ST monitoring cell participated in the programme. The coordinators assured that the weaker section students would not be left behind in the learning as well as overall academic development processes.





Awareness programme 'Prosper' on 15/02/2022 organised by SC/ST cell

SC/ST monitoring cell of the college organised awareness programme for the SC/ST students on 15/02/2022 in online mode. Mrs. Anju. S. Nair, Senior Superintendent, GMRS Ettumanoor, Scheduled Tribe Development Department, Kottayam served as the resource person. She talked and discussed in detail regarding all permissible scholarships, financial assistance and other privileges for SC/ST students. Total 45 students and the coordinators of the SC/ST monitoring cell participated in the programme. The students had a useful interactive session with the expert resource person. She talked and discussed in detail regarding all permissible scholarships for SC/ST students. Students and the coordinators of the SC/ST monitoring cell participated in the programme. The students had a useful interactive session with the expert resource person. She talked and discussed in detail regarding all permissible scholarships, financial assistance and other privileges for SC/ST students.

Nammude ponnomanakal - Campaign for protection of students on 24/02/2022 organised by NSS, Women's cell and Police Department

NSS and Women cell of Alphonsa college Pala in association with Pala Police started an innovative programme – 'Nammude ponnomanakal' – for the protection of our students on 24th February 2022. Women cyber protection seminar was also arranged for students on the same day. Dr. B. Sandhya IPS, DGP (Director, Fire force) inaugurated the programmes. Dr. Sr. Regeenamma Joseph (Principal) presided over the meeting. Sri. S. Suresh Kumar (Additional S.P. Kottayam) and Sri. Shaju Jose (DYSP Pala) were present. R Sri. Rajesh Manimala (DCRC Kottayam) delivered the class on "Women Cyber protection".

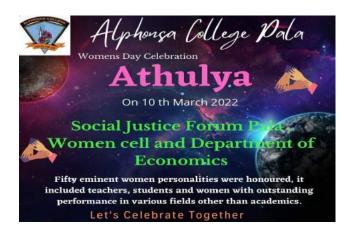






Women's cell in association with Social Justice Forum, Pala organised a program ' Athulya' on 10/03/2022

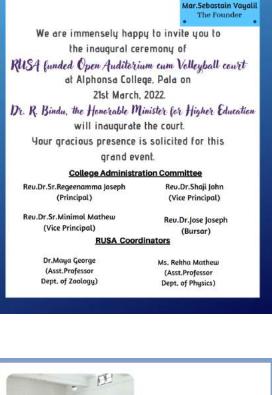
'Athulya' – In connection with International Women's Day, the Women's cell and Department of Economics of Alphonsa College along with Social Justice Forum, Pala organised a program on 10th March 2022 on celebrating womanhood. In the meeting teachers and students who have made exemplary achievements were honoured.





Inauguration of RUSA 2.0 funded Volleyball court and Renovation projects, 21/03/2022





		Open Anditorium com Court on 23.03.2022 at 1 Venne: New Volleyball Ceo
		Venne: New Volleyball Coa
Be	200	mme Schedule 📂
- cos	yuu	and Generality
Proyer Song		
Welcome speech		Dr. Sr. Reaeenamma joseph
weicome speech		(Principal)
Presidential address		H.E. Mar Joseph Kallarangatt (Bishop of Pala and College Patron)
Inaugural address		Dr, R, Bindu
		(Hon, Minister for Higher Education)
Keynote address	120	Sri, Mani C Kappan
		(Hon. MLA, Pala)
		Srl. Thomas Chazhikadan
		(Hon. MP, Kattayam)
	23	Sri, Jose K Mani
		(Hon. MP Rajya Sabha)
Presence		Ms. V. Vianeshwari IAS
		(Director of Collegiate Education
		& RUSA Co-ordinator)
Felicitation		Sri, Anto Jose Padinjarekara
		(Municipal chairman)
		Sri, Savio Kavukaattu (Municipal Councellor Ward no. 22)
Honoring the		(Municipal Councellar Wara no. 22)
Guests	82	H.E. Mar Joseph Kallarangatt



http://www.alphonsacollege.edu.in

Kottayam District, Kerala 686574

Alphonsa College, Pala has been selected under **RUSA 2.0**, the MHRD initiative for providing funds for the development of Higher Education Institutes. The College has been sanctioned INR 2 Cr through the DPR submitted to Kerala SPD in 2018. Rs. 1.14 Cr has been sanctioned for construction of the Open Auditorium cum Volleyball court and for the Renovation of the Physical Infrastructure of the Institute. The work was started in December 2020 and was completed by February 2022. The Inauguration of the same was done on 21 March 2022 by Dr. R Bindu, Hon. Minister for Higher Education and Social Justice, Government of Kerala in the presence of His Excellency Mar Joseph Kallarangatt, Bishop of Pala Catholic Diocese and Patron of the College and Sri. Mani C Kappan, M.L.A, Pala.





Mathrubhumi ADDGEA

ഗുണമ്പേന്മയുള്ള വിദ്യാഭ്യാസം അവകാശം

പാലാ - പൊതുവിളാളാസ മേ ഖലയിൽ ഗുണമേയയുള്ള വി യും ത്രാവകാശമാണെന്ന് മന്റ്റി ആർ.ബിഡ്. പറഞ്ഞു. കേന്ദ്ര - സംസ്ഥാന സർക്കാറുകളുടെ എജൻസിയായ റ്റ്റ്സായുടെ ധന സഹായമേത്തം പോലാ അൽ ഫോൻസാ കോളേജിൽ നിർമി ച്ച ഇനിഡോൽ വോളിബോറെ ഡ്ഡെമ്പത്തിന്റെ പോളും ബന ഡോനെ പ്രവർ വോളിബോറെ ഡ്ഡോമന്ത്രാണ് നേരുളുംബുറ മുട്ടയാനം നിർവഹിക്കുംബായി നെന്ന മന്തി.

പെൺകുട്ടികാംക്കായി ഏ വും മികച്ച വിദ്യാഭ്യാസ സാപ ചയും ഉറപ്പാവുത്തുന്ന അത ഫോൻസ കോളേജിൻെ പ്രവ ത്തനങ്ങാം മികച്ചതാണെന്നു

മന്ത്രി പറഞ്ഞു. സമഗ്രമായ വ ദൃാഭ്യാസ ചിന്തകാംകുള്ള വേദി യായി വിദ്യാഭ്യാസ സ്ഥാപനങ്ങാം

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∠ സ്റ്റ്വോഡ, ആരങ്ങളും അരംവാണവ രേള്ളയെ നിലപ്പ് മാറക്ടെയെന്നു പടങ്ങിൽ അധ്യ രാഹ്യം പ്രവായം പ്രവായം നങ്ങളുടെയും മാഘടനം മന്ത്രി ഡേ.എർ.ബിന്യ നിർവരിക്കുന്നു വെള്ളും മാപ്പോം പ്രവായം പ

ന്തന്നു ചടങ്ങിൽ അധ്യ ജോസഫ്, മുനിസിപ്പൽ ചെ പഹിച്ച മാർ ജോസഫ് മാൻ ആന്റോ ക്രോൻ പടിഞ മെട്ട് പറഞ്ഞു, മാണിസി, ഹെക്കാ, കഞ്ഞിസിമർ സാവില എം.എൽ.എ മുമുപ്രാം കൊഡ്.മെട്ട് കോളേജ് ബർസ നടത്തി. കോളേജ് പ്രിൻ ഡോ, ജോൻ ജോസഫ് എ ഡോ, സിസ്റ്റ് റങ്ങിനാമം വർ പ്രസംഗിച്ചു.

Awareness class on 'Women protection Laws' on 26/03/2022 organised by Women's cell

An online awareness class on 'Women protection Laws and 181 Mithra Women Helpline', was conducted on 26th March 2022. Adv. Drishya V K, Team Member of 181 WHL led the class.



