

SACRED HEART COLLEGE FOR WOMEN

CHALAKUDY, THRISSUR, KERALA



AQAR 2020-21

Criterion 3 - Research, Innovations and Extension

SUB CRITERION - 3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

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CONTENT LIST

Page No

1. Physics.....	3
2. Economics	36
3. Commerce	64
4. English	75
5. History	100
6. Mathematics	104
7. Chemistry	111
8. Computer Science	113



AQAR 2020-21

PHYSICS

**Criterion III - RESEARCH,
INNOVATIONS AND EXTENSION**

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

**Two-Week Interdisciplinary Online Faculty Development Program/
Refresher Course / Certificate Program**

on

**“Structural Analysis Using Rietveld Refinement, Microscopic
And Compositional Analysis”**

29th September, to 13th October, 2021

Final Report

Two Week Interdisciplinary Online Faculty Development Programme on “**Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis**” sponsored by Guru Angad Dev Teaching Learning Centre, Ministry of Education, Govt. Of India, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT).The programme was arranged in the online mode in joint collaboration with St.John’s College Agra, Bishop Moore College Mavelikara, Catholicate College Pathanamthitta, **Sacret Heart College Chalakudy** and Christ College Irinjalakuda in the time schedule of 29 September to 13 October 2021.The programme was arranged as different sessions which cover expertise areas in material science and research. Each session was handled by experts in the particular field. On the inauguration day 29 September 2021, the Chief Patron address was given by Dr.Vimal Rarh, Project Head and joint Director GAD-TLC. Also the keynote address of the FDP was given by Prof. A. K.Bakshi, Vice Chancellor, PDM University, Haryana and the Chairman of GAD-TLC of MHRD. He spoke on the topic “Achieving Excellence in Science in India in the 21st century - Challenges and Opportunities”. He covered the topics like Qualities of a good teacher, Gender gap in research and Challenges faced by researchers in the 21st scenario. The session was chaired by Dr. Tintu K Kuruvilla, Assistant Professor of Physics, Bishop Moore College, Mavelikara.

In the afternoon session Prof. K. Muralidhar, Former HOD, Department of Zoology, University of Delhi and currently working on the Advisory Board of the Inter – University Centre for Teacher Education at Banaras Hindu University and a visiting Professor to Annamalai, Madras and Hyderabad Universities. He spoke on the topic “Ethics in science – A Perspective”. Prof. K. Muralidhar started the session by explaining the Morals, Laws and Ethics, Professional Ethics, Ethics of Science, Limitations of Science and how to recognize unethical practice were explained and highlighted.

Second day of the FDP programme on 30th September 2021 starts with the interdisciplinary talk of Dr. Law Well Man P, Assistant Professor of Law, Govt. Law College, Kozhikode. He spoke on the topic “Intellectual Property Rights-Significance of Trademarks in startups and Business Enterprises”. Dr. Law Well Man started the session by explaining the various aspects of Intellectual Properties like Patent, industrial designs, copyright, semiconductor chip, plant variety, geographical indications, trade secrets and trademarks in detail with quoting examples from our day to day life. The session was highly informative and the speaker elaborated the idea of Intellectual Property rights by quoting various examples of our daily life. The session was highly interactive and was chaired by Dr. Dhanya I, Assistant Professor of Physics, Catholicate College, Pathanamthitta.

Second session of the day is handled by Prof. Dr. Ramesh C Gaur, Dean and Director (Library & Information) & Head - Kala Nidhi Division of Indira Gandhi National Centre for the Arts (IGNCA), New Delhi. He spoke on the topic “Plagiarism in Research”. The session

was narrated with different types of plagiarism and main ethics that should follow in research. The session was highly informative and was chaired by Dr. Achamma George, Assistant Professor of Physics, Catholicate College, Pathanamthitta. Finally he gave a clear idea regarding citation and referencing. All reference styles are elucidated with free software like Mendeley, Zotero and PDFVIEWERVIEW.

Lecture V & VI of the FDP programme was arranged on 02nd October 2021 and is handled by Dr. A Sundaresan, Professor in Jawaharlal Nehru Centre for Advanced Scientific Research and now he is Chair of Chemistry & Physics of Materials Unit. His lecture mainly focused on the topic "Introduction to Crystallography". The session began with basic concept of crystallography and had a detailed discussion regarding space groups, crystal structure, Bravais Lattice etc. The sessions were highly informative and got a thorough basic knowledge related to crystal systems and structures for solid state materials. The session was chaired by Dr. Achamma George and Dr. Dhanya I, Assistant Professor (s) of Physics, Catholicate College, Pathanamthitta.

Day 4 of the programme on 4 October 2021 was hosted by Christ College, Irinjalakuda and the resource person was Dr. Madhu Chennabasappa, Assistant Professor, Department of Physics, Siddaganga Institute of Technology, Tumkur, Karnataka. The topic of the day was "Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis". The first session began at 9.30 am with the theory of how to 'see' atoms using X-rays. The use of X-ray diffraction in studying phase purity, quantification, crystalline / amorphous nature of material, strain, stress & defect detection, crystalline size detection and thickness were mentioned. The second session began at 11.30 am and the resource person is Dr. Praveen Managutti, who is pursuing his post-doctoral research in France. The second session gave a hands-on training for the participants.

Day 5 of FDP was hosted by Christ College, Irinjalakuda on 5 October 2021. The first session was led by Dr. Madhu Chennabasappa and he continued the lecture of the previous day on X-ray diffraction and crystallography. The first session of the day was concluded by revisiting some of the software for Rietveld refinement. The second session was led by Dr. Praveen Managutti, it is a hands-on training session and the instructor first demonstrated the use of the open source software like QualX and WinPLOTR and the session ended with the final use of the software FullProf.

Day 6 programs of FDP were coordinated by Sacred Heart College, Chalakudy on 6 October 2021 and the resource person is Dr. Madhu Chennabasappa. The session began at 9.30 am. He continued the profile matching analysis on NaCl using WinPlotr and EDPCR and he explained the Rietveld refinement by using the example of Ba_{0.7}Zr_{0.3}TiO₃. He also shown another example of multiphase identification, profile matching and introduction of atoms. The second session began at 11.40 am by Dr. Praveen Managutti who gave a hands-on training for the participants.

Day 7 programmes of FDP were arranged on 07th October 2021 and are handled by Dr. Madhu Chennabasappa. The session 13 began with different spectroscopic techniques, mapping and chemical methods of analysis. The session was chaired by Dr. Dhanya I, Assistant Professor of Physics, Catholicate College, Pathanamthitta. Session -14 of the FDP programme is also handled by Dr. Madhu Chennabasappa. The session had a detailed discussion on X-ray photoelectron spectroscopy. He also discussed the simulation technique

for fitting XPS data in detail with free ware. The session was chaired by Dr. Achamma George, Assistant Professor of Physics, Catholicate College, Pathanamthitta.

Session - 15 of the FDP programme was on 08th October 2021 and is handled by Dr. Suresha S. J, Technology Manager, Center for Nano science and Engineering, Indian Institute of Science, Bangalore. The session began with fundamental idea related to Scanning Electron Microscopy and later the characterization and analysis of SEM in detail. The session was chaired by Dr. Achamma George, Assistant Professor of Physics, Catholicate College, Pathanamthitta.

Session -16 of the FDP programme was on 08th October 2021 and is handled by Dr. Bismi Gopalakrishnan, Professor, Dean, Faculty of Law, Head, School of Indian Legal Thought, Mahatma Gandhi University, Kottayam. The session began with requirements of copyright, copyright protects and fair dealing for research, study and instruction. She also discussed the difference of copy right and plagiarism in detail. The session was chaired by Dr. Dhanya I, Assistant Professor of Physics, Catholicate College, Pathanamthitta.

Session - 17 of the FDP programme was conducted on 11th October, 2021 and is handled by Dr. Suresha S. J, Technology Manager, Center for Nano science and Engineering, Indian Institute of Science, Bangalore. The session has started by recollecting his previous talk on SEM and the instrumentation, characterization and analysis of TEM and various TEM techniques in detail. The session was chaired by Dr. Santhosh Paul, Assistant Professor of Chemistry, Sacred Heart College, Chalakudy. The next session was handled by Dr. Surendran Cherukodan who holds a PhD in Library Science and he is an expert curator. He discussed about the details regarding to the productive research and the role of journal indexing and Scientometrics.

Day 12 of the FDP programme was hosted by Christ College, Irinjalakuda on 12 October 2021. The first session of the day was led by Dr. Surendran Cherukodan. The resource person started the session by talking about the relevance of 'Productive Research'. He explained in detail the different citation indices and how they are calculated. The second session of the day was handled by Dr. Priya Mahadevan, Department of Condensed Matter Physics and Material Science, S.N. Bose National Centre for Basic Sciences. She discussed about how to publish good papers in general and especially in Physics. The session attracted a lot of applause from the participants who engaged in active discussion with the speaker at the end of the session.

A feedback link was arranged to all participants after each session in order to evaluate the response of the participants to that particular session. At the end of every session participants gave excellent feedback in the chat box. On the basis of each session a quiz link was circulated among the participants on everyday in order to evaluate their level of understanding.

Also a project and assignment evaluation question was circulated among the participants to identify their output gained through this FDP programme.

The FDP programme actually gave a good platform for the teachers and research scholar's in order to enhance their affinity towards materials science and its characterization techniques. Also it provides a better understanding regarding to research publication and its ethics. We believe that this FDP programme generated a fruitful outcome to all of our participants in India and abroad. Within the limitation of online mode this FDP programme won a huge success due to its extraordinary co-ordination and participation because we believe that the process of learning knowledge have no boundaries.

We like to arrange more FDP programmes like this in the future.



**GURU ANGAD DEV
TEACHING
LEARNING
CENTRE**



**MINISTRY OF
EDUCATION
GOVT. OF INDIA
PANDIT MADAN
MOHAN MALAVIYA
NATIONAL
MISSION ON
TEACHERS AND
TEACHING
(PMMMNTT)**

**Two-Week Interdisciplinary Online
Faculty Development Program/
Refresher Course / Certificate Program**

**Structural Analysis Using
Rietveld Refinement,
Microscopic and
Compositional Analysis**

29 September to 13 October 2021

In collaboration with



**St. John's College
Agra**



**Bishop Moore
College, Mavelikara**



**Catholicate College
Pathanamthitta**



**Sacred Heart
College, Chalakudy**



**Christ College
(Autonomous)
Irinjalakuda**

Topics Covered:

- Basics of X-ray Diffraction
- Rietveld Refinement
- Scanning Electron Microscopy
- Transmission Electron Microscopy
- X-ray Photoelectron Spectroscopy
- Intellectual Property Rights
- Research Ethics
- The Art & Science of Writing a Publishable Article
- Productive Research

- ❖ *Equivalent to Face to Face Two Week FDP.*
- ❖ *Fulfills Requirement as per CAS of UGC and AICTE for Promotional Requirements of Teachers*
- ❖ *All Science Faculty Members & Research Scholars Can Apply*
- ❖ *Registration fees: **Rs.1260/-***
(Inclusive of Course Fee, Study Material & Certificate)

Beneficiary Details

A/c Holder Name : Bishop Moore College
A/c number : 57040426450
IFSC : SBIN0070089
Bank : SBI, Mavelikara Town

**To Register
Click here**

For queries, please email to
hodphysicsbmc@gmail.com

❖ **Last Date for Registration: 5 pm on 24 September 2021**

About GAD-TLC of MHRD

“Guru Angad Dev Teaching Learning Centre” is a centre of MHRD under the Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMMNTT) of the MHRD, Govt. of India. The objectives of the Teaching Learning Centre are to prepare Modern age teachers. Under this centre many National level activities like Seminars, FDPs and workshops at both basic and advanced level are being conducted to empower the teachers in ICT skills, develop teaching kits / teacher’s tools and ICT empowered pedagogies to enhance teaching-learning process. In its various programmes, around 55,000 teachers across the nation have benefitted till now. GAD TLC is also organizing Student Specific Training Courses to upgrade their skills as required for their Professional Development.

Prof. A.K. Bakhshi
Vice-Chancellor, PDM
University, Haryana
Chairman, GAD-TLC

Prof. K.V. Bhanu Murthy
Professor, DTU
Vice-Chairman,
GAD-TLC

Prof. Jaswinder Singh
Principal,
SGTB Khalsa College
Director, GAD-TLC

Dr. Vimal Rarh
Project Head &
Joint Director, GAD-TLC



Two-Week Interdisciplinary Online FDP Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis

29 September 2021- 13 October 2021



Resource Persons

Prof. A Sundaresan
Professor & Chair
Chemistry and Physics of Materials Unit,
Jawaharlal Nehru Centre for Advanced
Scientific Research



Prof. Priya Mahadevan
S. N. Bose National Centre for Basic Sciences
Kolkata

Prof. Dr. Ramesh C Gaur
Dean & Director (Library & Information)
& Head,
Kalanidhi Division, Indira Gandhi National
Centre for Arts (IGNCA), New Delhi



Prof. K Muralidhar
Former HoD, Department of Zoology,
University of Delhi

Dr. Suresha S. J
Technology Manager,
Micro and Nano Characterization Facility,
CeNSE, IISc Bangalore



Prof. (Dr.) Bismi Gopalakrishnan
Dean, Faculty of Law
Head, School of Indian Legal Thought
Mahatma Gandhi University, Kottayam

Dr. Madhu S. Nair
Associate Professor
Cochin University of Science and Technology
Cochin



Dr. Lawwellman P.
Asst. Professor of Law
Government Law College,
Calicut.

Dr. Madhu Chennabasappa
Assistant Professor
Siddaganga Institute of Technology
Tumkūr, Karnataka, India



Dr. Praveen Managutti
University of Rennes 1,
FRANCE

Organizing Committee

Dr. Jacob Chandy, Co-Patron, Principal, Bishop Moore College, Mavelikara
Prof. S. P. Singh, Co-Patron, Principal, St. John's College, Agra
Dr. Philipose Omman, Co-Patron, Principal, Catholicate College, Pathanamthitta
Dr. Sr. Reena Ittyachan, Co-Patron, Principal, Sacred Heart College, Chalakudy
Fr. Dr. Jolly Andrews CMI, Co-Patron, Principal, Christ College, Irinjalakuda
Dr. Ranjith Mathew Abraham, Vice Principal & IQAC Co-ordinator, Bishop Moore College, Mavelikara
Dr. Susan Verghese P., IQAC Co-Ordinator, Head of the Department of Chemistry, St. John's College, Agra
Dr. D. Sajan, Co-Ordinator, Head of the Department of Physics, Bishop Moore College, Mavelikara
Dr. Soosen Samuel M, Co-Ordinator, Head of the Department of Physics, Catholicate College, Pathanamthitta
Dr. Shaju K.Y, Co-Ordinator, Vice Principal and Head, Department of Physics, Christ College, Irinjalakuda
Dr. Jerin Susan John, Convenor, Department of Physics, Bishop Moore College Mavelikara
Dr. Arun Aravind, Convenor, Department of Physics, Bishop Moore College Mavelikara
Dr. Dhanya I, Convenor, Department of Physics, Catholicate College, Pathanamthitta
Dr. Nijo Varghese, Convenor, Head of the Department of Physics, Sacred Heart College, Chalakudy
Dr. Santhosh Paul, Convenor, Head of the Department of Chemistry, Sacred Heart College, Chalakudy
Dr. Subin K Jose, Convenor, Department of Environment Science, Christ College, Irinjalakuda



Two-Week Interdisciplinary Online FDP Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis



29 September 2021- 13 October 2021

About the Collaborating Colleges



Bishop Moore College, Mavelikara, established in 1964 and affiliated to the University of Kerala, has been awarded A grade by NAAC in the 3rd cycle of accreditation and ranked 76 among the Colleges in India in the NIRF ranking 2020. The College offers 11 undergraduate, four postgraduate and two research programmes in Science, Commerce, Arts and Humanities along with two UGC-sponsored add-on courses, and also provides opportunities for students to carry out Summer Research Projects at reputed institutes in the country. The undergraduate programmes in the Science departments are supported under the DBT-STAR College scheme. The College has become an active hub of research with well equipped laboratories, over 100 publications in international journals, a number of completed major and minor research projects, the research facilities being enhanced by utilizing funds under the DST-FIST scheme and KSCSTE SARD project scheme. The research centres have collaborative projects with institutes like the UGC – DAE Consortium for Scientific Research, BARC Mumbai and IUAC, Delhi.



St. John's College, Agra, was established in 1850 by the Church Missionary Society of England through the efforts of the Agra C.M.S. Association which came into being in 1840. From 1862 to 1888 the College remained affiliated to Calcutta University and later up to 1927 to Allahabad University. In 1927 with the formation of Agra University, the then Principal of the College Dr. A.W. Davies became its first Vice-Chancellor and the College was affiliated to the Agra University. The college became a First Grade College in 1891 with B.A. and LL. B. classes, and affiliation was granted in 1893 for postgraduate classes. Thus it has the rare distinction of being a postgraduate institution of more than a century's standing. The college has sixteen post graduate departments with facilities for research and three undergraduate departments. The college also runs five self-financed recognized courses viz, B.Com(Vocational), B.B.A., B.Ed, D.El.Ed, M.A(Urdu), Post Graduate Diploma in Clinical Psychology and two partially self-financed degree programs in B.Sc with Industrial Chemistry & BSc with Computer Science. The foundation stone of the Centenary Wing was laid by Bharat Ratna Sarvapalli Radhakrishnan, former President of India, in 1958 and was opened by Bharat Ratna Pt. Jawaharlal Nehru, the first Prime Minister of India, in 1959, with the words "I have come to pay tribute to this temple of learning." The College has very distinguished alumni, the foremost of them being the late Dr. Shanker Dayal Sharma, the former President of India present situation.



Catholicate College, Pathanamthitta founded in 1952 on the serene Basil Hills has a rich legacy of almost seven decades and is affiliated to Mahatma Gandhi University, Kottayam.. The motto of this temple of learning is "Fear of the Lord is the beginning of wisdom." It imparts value-based education aimed at the holistic and intuitive growth of the individual so as to fulfill the vision of creating an educated and enlightened society for a brave new world. It has been re-accredited by NAAC with CGPA 3.60, A Grade and is one of the Thirteen special grade colleges in Kerala. The college has eight research departments and offers fifteen PG Programmes, thirteen UG Programmes and one Integrated MA Programme in the aided stream. The college was identified by the department of science and technology, government of India, for FIST funding. The college has been awarded ISO 9001-2008 certification. Current year, the college is celebrating its platinum jubilee. The college has been endeavoring to shape the destiny of a community in the fullest spirit of its stated mission, an educated, enlightened society for a brave new world.



Sacred Heart College, Chalakudy, is an institution managed by the Alvernia province of Franciscan Clarist congregation, affiliated to the University of Calicut and aided by the Kerala government. The College, established in 1980, as a junior college with Pre-degree courses was upgraded to a first grade status in 1991 and is presently offering eight Under Graduate and six Post Graduate courses. The motto of the college is "LUX IN TENEBRIS LUCET" (Light Shines in Darkness). The College is located in a peaceful semi urban locality, the lush green gardens and well designed infrastructure provide the perfect ambience for learning, sharing and development of the students. The college was re-accredited by NAAC with A+ grade (CGPA 3.55) in 2017. The Department of Physics has been maintaining a unique position in the College in respect of overall performance, ever since it was established. Physics Department aims at moulding totally competent physicists with ingenuity, adaptability, social commitment, ethical values and spiritual elevation that can provide innovative leadership in academia and society.



Christ College, Irinjalakuda was started in 1956, by the Devamatha Province of the Carmelites of Mary Immaculate (CMI), an indigenous religious congregation founded in 1831 by Saint Cyriac Elias, a religious priest and versatile genius, who envisioned education as a tool for liberation and development. Founded as per the provisions of the Indian Constitution, part III, Article 30(1) and administered by Christ College Educational Society, (Regd. No. 137/75), this college is a Minority institution. College is affiliated to University of Calicut. Christ College is included under the sections 2(f) and 12B of the University Grants Commission (UGC) and was re-accredited by National Assessment and Accreditation Council (NAAC) with A grade (3.21) in the third cycle. Following recommendation from state government; the college has been conferred the "Autonomous status" by University Grants Commission (UGC) during the year 2015, the Diamond Jubilee year of the college. Christ College is part of a century-old tradition of CMI education that is at its heart, Christian and open to all sections of society. It offers an ideal vision of education that is aware of and responsive to the challenges of the nation's present situation.



Two-Week Interdisciplinary Online FDP
Structural Analysis Using Rietveld Refinement,
Microscopic and Compositional Analysis

29 September 2021- 13 October 2021



Programme Schedule

Date	Time	Section Title	Speaker
29/09/2021	9.30 am to 11.00 am	Inauguration	
	11.30 am to 1.00 pm	Ethics in Science-A Perspective	Prof. K Muralidhar
30/09/2021	9.30 am to 11.00 am	Intellectual Property Rights - Significance of Trademarks in Startups & Business Enterprises	Dr. Lawwellman P.
	11.30 am to 1.00 pm	Plagiarism In Research	Prof. Dr. Ramesh C Gaur
01/10/2021	9.30 am to 11.00 am	Introduction to Crystallography – 1	Prof. A Sundaresan
	11.30 am to 1.00 pm	Introduction to Crystallography - 2	Prof. A Sundaresan
04/10/2021	9.30 am to 11.00 am	Introduction to FullProf suite -Winplotr, Checkcell,Indexing	Dr. Praveen Managutti
	11.30 am to 1.00 pm	Phase analysis, Profilefitting and space group analysis using FullProf	Dr. Praveen Managutti
05/10/2021	9.30 am to 11.00 am	Rietveld refinement using FullProf – single phase analysis	Dr. Madhu Chennabasappa
	11.30 am to 1.00 pm	Rietveld refinement - quantitative analysis of multi phase samples	Dr. Madhu Chennabasappa
06/10/2021	9.30 am to 11.00 am	Hands on training analysis of low symmetry structures (orthorhombic and monoclinic)	Dr. Madhu Chennabasappa
	11.30 am to 1.00 pm	Introduction to nanomaterial analysis using XRD	Dr. Madhu Chennabasappa
07/10/2021	9.30 am to 11.00 am	Introduction to Elemental Analysis techniques - XPS, EDAX, ICP	Dr. Madhu Chennabasappa
	11.30 am to 1.00 pm	Elemental oxidation analysis using deconvolution of High-res XPS spectra	Dr. Madhu Chennabasappa
08/10/2021	9.30 am to 11.00 am	Scanning Electron Microscopy	Dr. Suresha S. J.
	11.30 am to 1.00 pm	Intellectual Property Rights -Copyright Management & Plagiarism Issues	Prof. (Dr.) Bismi Gopalakrishnan
11/10/2021	9.30 am to 11.00 am	Productive Research - Role of Journal Indexing and Scientometrics	Dr. Madhu S. Nair
	11.30 am to 1.00 pm	Productive Research - Role of Journal Indexing and Scientometrics	Dr. Madhu S. Nair
12/10/2021	9.30 am to 11.00 am	Transmission Electron Microscopy	Dr. Suresha S. J.
	11.30 am to 1.00 pm	The Art of Writing and Publishing Papers in International Journals	Prof. Priya Mahadevan
13/10/2021		Valedictory	

Two-Week Interdisciplinary Online Faculty
Development Program/ Refresher Course / Certificate Program
Structural Analysis Using Rietveld Refinement, Microscopic and Compositional Analysis
29 September to 13 October 2021
Programme Schedule and Duty List

Date	Time	Section Title	Speaker	Duty Assigned
29/09/2021	09.30 am to 11.00 am	Inauguration		Bishop Moore College
	11.30 am to 1.00 pm		Prof. A.K. Bakhshi	Chair: Report: MCQ:
	02.30 pm to 3.30 pm	Ethics in Science-A Perspective	Prof. K Muralidhar	Vote of thanks: Feedback:
30/09/2021	9.30 am to 11.00 am	Intellectual Property Rights - Significance of Trademarks in Startups & Business Enterprises	Dr. Lawwellman P.	Catholicate College
	11.30 am to 1.00 pm	Plagiarism In Research	Prof. Dr. Ramesh C Gaur	Chair: Report: MCQ: Vote of thanks: Feedback:
02/10/2021	9.30 am to 10.30 am	Introduction to Crystallography –1	Prof. A Sundaresan	Catholicate College
	11.00 am to 12.00 pm	Introduction to Crystallography - 2	Prof. A Sundaresan	Chair: Report: MCQ: Vote of thanks: Feedback:
04/10/2021	9.30 am to 11.00 am	Introduction to FullProf suite - Winplotr, Checkcell, Indexing	Dr. Praveen Managutti	Christ College
	11.30 am to 1.00 pm	Phase analysis, Profilefitting and space group analysis using FullProf	Dr. Praveen Managutti	Chair: Report: MCQ: Vote of thanks: Feedback:

05/10/2021	9.30 am to 11.00 am	Rietveld refinement using FullProf – single phase analysis	Dr. Madhu Chennabasappa	Christ College
	11.30 am to 1.00 pm	Rietveld refinement - quantitative analysis of multi phase samples	Dr. Madhu Chennabasappa	Chair: Report: MCQ: Vote of thanks: Feedback:
06/10/2021	9.30 am to 11.00 am	Hands on training analysis of low symmetry structures (orthorhombic and monoclinic)	Dr. Madhu Chennabasappa	Sacred Heart College
	11.30 am to 1.00 pm	Introduction to nanomaterial analysis using XRD	Dr. Madhu Chennabasappa	Chair: Report: MCQ: Vote of thanks: Feedback:
07/10/2021	9.30 am to 11.00 am	Introduction to Elemental Analysis techniques - XPS, EDAX, ICP	Dr. Madhu Chennabasappa	Catholicate College
	11.30 am to 1.00 pm	Elemental oxidation analysis using deconvolution of High-res XPS spectra	Dr. Madhu Chennabasappa	Chair: Report: MCQ: Vote of thanks: Feedback:
08/10/2021	9.30 am to 11.00 am	Scanning Electron Microscopy Intellectual Property Rights -	Dr. Suresha S. J.	Catholicate College
	11.30 am to 1.00 pm	Copyright Management & Plagiarism Issues	Prof. (Dr.) Bismi Gopalakrishnan	Chair: Report: MCQ: Vote of thanks: Feedback:
11/10/2021	9.30 am to 11.00 am	Productive Research - Role of Journal Indexing and Scientometrics	Dr. Surendran Cherukodan	Sacred Heart College
	11.30 am to 1.00 pm	Productive Research - Role of Journal Indexing and Scientometrics	Dr. Surendran Cherukodan	Chair: Report: MCQ: Vote of thanks: Feedback:

12/10/2021	9.30 am to 11.00 am	Transmission Electron Microscopy	Dr. Suresha S. J.	Christ College
				Chair:
				Report:
	11.30 am to 1.00 pm	The Art of Writing and Publishing Papers in International Journals	Prof. Priya Mahadevan	MCQ:
				Vote of thanks:
				Feedback:
13/10/2021	9.30 am to 11.00 am		Dr. Vimal Rarh	Bishop Moore College
				Chair:
				Report:
	11.30 am – 12.30 pm	Valedictory		MCQ:
				Vote of thanks:
				Feedback:

ഓൺലൈൻ ഫാക്കൽറ്റി ഡവലപ്മെന്റ് പ്രോഗ്രാം

SEPTEMBER 29, 2021 04:49 PM IST

അധ്യാപനത്തിന്റെയും ഗവേഷണത്തിന്റെയും മുൻനിര സാധ്യതകൾ ഉൾക്കൊണ്ട് ബിഷപ്പ് മുർ കോളജ് മാവേലിക്കര, കാതോലിക്കേറ്റ് കോളജ് പത്തനംതിട്ട, സേക്രട്ട് ഹാർട്ട് കോളജ് ചാലക്കുടി, ക്രൈസ്റ്റ് കോളജ് ഇരിഞ്ഞാലക്കുട, സെന്റ് ജോൺസ് കോളജ് ആഗ്ര എന്നീ കോളജുകൾ കേന്ദ്ര വിദ്യാഭ്യാസ വകുപ്പിന്റെ കീഴിൽ വരുന്ന ഗുരു അംഗദ് ദേവ് ടീച്ചിങ് ലേണിങ് സെന്ററുമായി(GAD-TLC) ചേർന്ന് രണ്ടാഴ്ചത്തെ ഓൺലൈൻ ഫാക്കൽറ്റി ഡവലപ്മെന്റ് പ്രോഗ്രാം സംഘടിപ്പിക്കുന്നു .

അധ്യാപകരെയും ഗവേഷണ വിദ്യാർഥികളെയും ലക്ഷ്യമാക്കിയുള്ള ഈ പ്രോഗ്രാം സെപ്റ്റംബർ 29 മുതൽ ഒക്ടോബർ 13 വരെയാണ് നടത്തപ്പെടുന്നത്. മെറ്റീരിയൽസ് സയൻസുമായും ഗവേഷണവുമായും ബന്ധപ്പെട്ടുള്ള വിവിധ വിഷയങ്ങളിലാണ് ക്ലാസുകൾ സംഘടിപ്പിക്കുന്നത്.

പ്രഫ.എ.കെ.ബക്ഷി (വൈസ് ചാൻസലർ, പിഡിഎം യൂണിവേഴ്സിറ്റി, ഹരിയാന, ചെയർമാൻ, GAD-TLC), ഡോ.വിമൽ രാർ(പ്രോജക്ട് ഹെഡ്, ജോയിന്റ് ഡയറക്ടർ, GAD-TLC) തുടങ്ങിയ പ്രമുഖരും വിവിധ വിഷയങ്ങളിൽ പ്രാമുഖ്യം ലഭിച്ച വിദഗ്ദ്ധരും ക്ലാസുകൾ നയിക്കും.

ഓൺലൈൻ സംവിധാനങ്ങളുടെ പരിമിതികൾ മറികടന്ന് മികച്ച രീതിയിൽ ഈ പ്രോഗ്രാം വിജയകരമായി പൂർത്തീകരിക്കുമെന്ന് സംഘാടകർ ഉറപ്പു നൽകുന്നു. വിവരങ്ങൾക്ക് ബന്ധപ്പെടുക: hodphysicsbmc@gmail.com

English Summary : Online Faculty development Programme

TAGS: Online Education

ഐഎഎസ് /ഐപിഎസ് പരീക്ഷകൾക്ക് ഒരുങ്ങാം ഓൺലൈനായി. കൂടുതൽ വിവരങ്ങൾക്കായി സന്ദർശിക്കൂ

Advertisement

വിവാഹാലോചനകൾ തുടങ്ങിയോ..? മനസിനിണങ്ങിയ പങ്കാളിയെ കണ്ടെത്താൻ സൗജന്യമായി രജിസ്റ്റർ ചെയ്യൂ

തൽസമയ വാർത്തകൾക്ക് മലയാള മനോരമ മൊബൈൽ ആപ് ഡൗൺലോഡ് ചെയ്യൂ

MORE IN NEWS



ഓൺലൈൻ ഫാക്കൽറ്റി ഡവലപ്മെന്റ് പ്രോഗ്രാം



എത്രതവണ വേണമെങ്കിലും എഴുതാം 'സിടെറ്റ്' : അപേക്ഷ ഒക്ടോബർ 19 വരെ



കാപ്പി കുടിച്ചു കുടിച്ചുണ്ട് ജോലിചെയ്താലോ?; കൈപ്പൊള്ളാതെ ചെയ്യാം കോഫി ബിസിനസ്സ്





ആവരേജ് ആണെങ്കിൽ എന്താണ് കുഴപ്പം?; മത്സരബുദ്ധിയിൽ മതിമരണോ മലയാളി?



മലയാളത്തിന്റെ സ്വന്തം ഇക്കയ്ക്ക് ആദരവുമായി ജെയിൻ ഡീ.ഡ് ടു ബി യൂണിവേഴ്സിറ്റി



നവോദയ ആറാം ക്ലാസ്: അപേക്ഷ നവംബർ 30 വരെ

SHOW MORE

ഇവിടെ പോസ്റ്റു ചെയ്യുന്ന അഭിപ്രായങ്ങൾ മലയാള മനോരമയുടേതല്ല. അഭിപ്രായങ്ങളുടെ പൂർണ്ണ ഉത്തരവാദിത്തം രചയിതാവിനായിരിക്കും. കേന്ദ്ര സർക്കാരിന്റെ ഐടി നയപ്രകാരം വ്യക്തി, സമുദായം, മതം, രാജ്യം എന്നിവയ്ക്കെതിരായി അധിക്ഷേപങ്ങളും അശ്ലീല പദപ്രയോഗങ്ങളും നടത്തുന്നത് ശിക്ഷാർഹമായ കുറ്റമാണ്. ഇത്തരം അഭിപ്രായ പ്രകടനത്തിന് നിയമനടപടി കൈക്കൊള്ളുന്നതാണ്.

8 ലക്ഷം ചോദിച്ചു, കൊടുത്തില്ല: മാംഗോ മെഡോസ് ഉടമ

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മലയാളി ബൈക്ക് റേസറുടെ മരണം കൊലപാതകം; പിന്നിൽ ഭാര്യയും സുഹൃത്തുക്കളും

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B.Sc. Physic 5th semester classes given for the students of Panampilly Memorial Government College, Chalakudy during July-December, 2020

From

Albert Antony T
Asst. Professor and Head
Dept. of Physics
P M Govt College Chalakudy

To

The Principal
S H College Chalakudy.

(Through proper channel)

Sub: Request to share online classes reg.

As you know there are no permanent teachers in my department and Govt. order says that Heads and Principals have to make arrangement to share the available online classes from other colleges in the absence of required teachers. I have sought willingness of faculty members of your Physics department to share their fifth semester classes with my students. Kindly grant permission for the same and do the needful. Our Principal has given permission to do the same. Your co-operation is highly appreciable by us, both staff and students of Department of Physics of P M Govt College Chalakudy. We are very much grateful to you and your team whole-heartedly.

Thanking you.

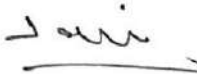
Yours truly


Albert Antony T

Potta, Chalakudy: 06/07/2020

Recommended and Forwarded




06.07.2020
Principal
R.M. Govt. College
Chalakudy

From

Dr. Nijo Varghese
Head, Department of Physics
Sacred Heart College, Chalakudy

To

The Principal,
PM Govt. College, Chalakudy

(Through proper Channel)

Sub: Sharing online class reg:

Ref: Letter from the Head, Dept. of Physics of your college dated 06-07-2020

Dear Sir,

We are pleased to share the online classes to the fifth semester B.Sc. Physics students of your college, as per the request from Head, Dept. of Physics of your college. After discussing the requirement with the faculty in your department, we have created two Google classrooms for Electrodynamics-II and Electronics papers and the details are shared to the students. Recorded classes, notes and other study materials will be posted through the classroom. Students can interact with us through the classroom and we are happy to clear their doubts. We expect the monitoring of the progress of students including attendance assignments and internal exams, to be done from your side.


Yours Sincerely,


Dr. Nijo Varghese

Chalakudy

13-07-2020

Recommended and Forwarded


14/07/2020
PRINCIPAL
SACRED HEART COLLEGE
CHALAKUDY



PMG Electrodynamics II

B.Sc. physics_Sem5_2020

Class code 3e2divd

Select theme
Upload photo

Upcoming

No work due in soon

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Announce something to your class

nijo varghese posted a new material: Norton's Theorem
1 Dec 2020

nijo varghese posted a new material: Thevenin's Theorem-Example
1 Dec 2020



PMG College V Sem Electronics

B.Sc. Physics V Sem_Core Course

Class code humuh7i

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Upcoming

No work due in soon

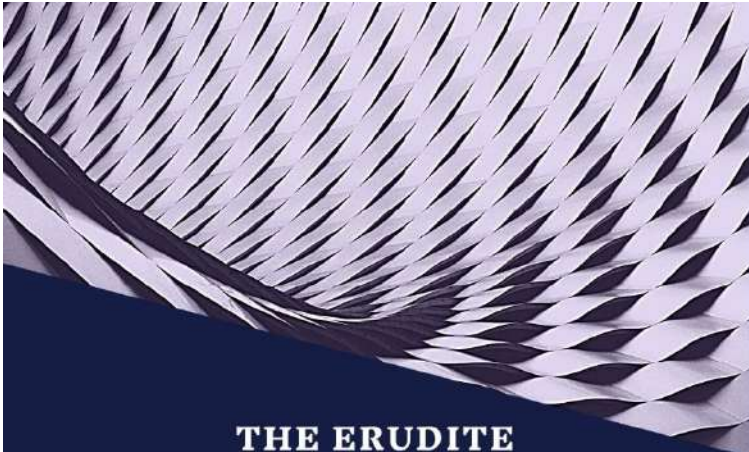
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Announce something to your class

Fency K.F posted a new material: MOSFET
24 Jan (Edited 24 Jan)

Fency K.F posted a new material: JFET Parameters
24 Jan





**THE ERUDITE
SCHOLAR-IN-RESIDENCE PROGRAMME**

Organized by

**Department of Physics
MAR THOMA COLLEGE, TIRUVALLA**
(RE-ACCREDITED WITH GRADE A BY NAAC, ALL INDIA 84TH RANK IN NIRF 2020,
ISO 9001-2015 CERTIFIED)

22nd to 27th February 2021
via ZOOM Platform

Sponsored by
Kerala State Higher Education Council



Dr. Raju V Ramanujan

Full Professor, School of Materials Science and Engineering, Nanyang Technological University, Singapore. Recipient of the Nanyang Award for Excellence in Teaching and the Rolls Royce Inventors award. Visiting Professor at South China University of Technology, University of N. Texas, Indian Institute of Technology, Bombay and Mumbai University.



Dr. Rahul R Nair

Professor of Material Physics in The University of Manchester. He was with the team of Russian researcher Andre Geim and Konstantin Novoselov, who received the Nobel Prize in Physics in 2010 for isolating a single layer of graphene. Recipient of Young Scientist Award (2014) from the International Union of Pure and Applied Physics, and the Moseley Medal and Prize (2015) from the Institute of Physics.

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Kerala State Higher Education Council's ERUDITE Scholar-in-Residence programme enables the university students, researchers and teachers of universities and colleges to interact with Nobel Laureates and other scholars of worldwide recognition. ERUDITE scholars may give campus-wide and community lectures, run workshops or seminars on specific themes, conduct collaborative research with teachers or students, help to initiate international programmes and contribute to curriculum development.

COLLABORATING INSTITUTIONS

- Department of Physics, CUSAT, Kochi
- School of Pure & Applied Physics and International & Inter University Centre for Nanoscience & Nanotechnology, Mahatma Gandhi University, Kottayam
- Bishop Moore College, Mavelikkara
- St. Joseph's College, Devagiri, Calicut
- Farook College, Kozhikode
- Mar Ivanios College, Thiruvananthapuram
- St. Theresas College, Ernakulam
- S.H. College, Chalakudy
- Fatima Mata National College, Kollam

22nd, 23rd & 24th February 2021, at 10:00 am
Prof. Raju V Ramanujan, NTU, Singapore

Abstract
Magnetic materials for a sustainable planet

Sustainability, especially higher energy efficiency, is of high interest throughout the world. Hence, we developed novel high performance magnetic fluid-based heat pipes for magnetic cooling. We also used combinatorial synthesis and AI/Machine Learning to develop next generation magnetic materials by laser engineered net shaping (LENS) additive manufacturing techniques. Our recent work on energy efficient magnetic curing of adhesives will also be discussed.

25th, 26th & 27th February 2021, at 3:00 pm
Prof. Rahul R Nair, Manchester University, UK

Abstract
Graphene@Manchester- Beyond the sticky tape

Graphene is a wonder material with many superlatives to its name. It is the thinnest known material in the universe and the strongest ever measured. Graphene can sustain current densities six orders of magnitude higher than that of copper, shows record thermal conductivity and stiffness, and is impermeable to gases. All of its exceptional properties have opened up new avenues for the use of graphene in several applications. The lecture will present the recent trends in graphene research and applications, especially the use of graphene in separation and filtration technologies.

Advisory Committee

- Rt. Rev. Dr. Euyakim Mar Coorilos Episcopa, Manager
- Prof. Dr. M. R. Anantharaman, UGC-BSR Professor, CUSAT, Kochi
- Dr. Samuel Mathew (Former HOD), Principal, KVVS College, Adoor
- Dr. Christie Thomas Cherian Christ University, Bangalore
- Dr. Senoy Thomas, Department of Physics, CUSAT, Kochi

Organizing Committee

- Dr. Varughese Mathew, Principal
- Prof. Santhosh Jacob, HOD
- Dr. Angel Susan Cherian
- Dr. Noble P Abraham
- Dr. I John Berlin
- Dr. Arun Vinod
- Ms. Achamma Mathew Malayil
- Ms. Anuja Mariam Kurian
- Ms. Neethu Merin Alex

Link for free registration
<https://forms.gle/i6VCpKkPpoe7TGrq5>
e-certificates will be issued to all participants

CONTACT US
Dr. Angel Susan Cherian
Coordinator
Ph: 9447803141
Email: angelsusan@gmail.com

DEPARTMENT OF PHYSICS,
MARTHOMA COLLEGE, TIRUVALLA

22ND TO 27TH FEBRUARY, 2021

ERUDITE SCHOLAR IN RESIDENCE PROGRAMME

SPONSORED BY
KERALA STATE HIGHER EDUCATION COUNCIL



Prof. Dr. Raju V Ramanujan
Nanyang Technological University, Singapore



PROGRAMME SCHEDULE

FEBRUARY 24




10:00 - WELCOME SPEECH
Dr. KAREEM ELIBENDIAN,
MAR MARIKOS COLLEGE, TIRUVANANTHAPURAM

10:05 - MODERATOR
Dr. A.R. ANANTHARAMAN,
UGC, BSC PROFESSOR, CUSAT

10:10 - ERUDITE LECTURE 3
Prof. RAJU V RAMANUJAN,
NANYANG TECHNOLOGICAL UNIVERSITY, SINGAPORE
Triggered healing: magnet-polymer composites

10:55 - INTERACTIVE SESSION & OPEN DISCUSSIONS


10:55 - NOTE OF THANKS
Dr. NED VARGHESE,
SACRED HEART COLLEGE, CHALMADY








The Erudite Scholar-in-Residence Programme

Certificate

This is to certify that **BETTY MARIYA VARGHESE, M.sc PHYSICS, SACRED HEART COLLEGE** has attended The Erudite Scholar-in-Residence Programme organized by the Department of Physics, Mar Thoma College, Tiruvalla, in association with Kerala State Higher Education Council during 22-27, February, 2021.


Dr. Varughese Mathew
Principal


Prof. Santhosh Jacob
Head of the Department


Dr. Angel Susan Cherian
Coordinator



DEPARTMENT OF PHYSICS, UNION CHRISTIAN COLLEGE ALUVA

CERTIFICATE

This is to certify that this project report entitled “**PATH INTEGRAL SOLUTION IN QUANTUM FIELD THEORY**” is an authentic record of project work carried out by Ms ANITTA VARGHESE, student of Master of Science in Physics, **Department of Physics, Sacred Heart College Chalakudy**, successfully completed under my supervision in the **Department of Physics, Union Christian College Aluva**. The contents of this project work have not been presented earlier for the award of any other degree in any other university.

Date: 26-06-2020

Place: Aluva

Dr. Pramod Dominic

Assistant Professor, Department of Physics

Union Christian College Aluva

CERTIFICATE



This is to certify that this project report entitled “**SYNTHESIS AND CHARACTERIZATION OF Fe – DOPED TiO₂ NANOPARTICLES BY SOL-GEL METHOD**” is an authentic record of project work carried out by Ms. Blessy Joseph, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision in the Department of Physics, Nirmala College, Muvattupuzha. The contents of this project work have not been presented earlier for the award of any other degree in any other University.

A handwritten signature in black ink, appearing to read 'Radhu', is enclosed in a circle and underlined.

26/6/2020

Dr. Radhu. S

Assistant Professor

Department of Physics

Nirmala College, Muvattupuzha

DEPARTMENT OF PHYSICS
UNION CHRISTIAN COLLEGE, ALUVA

CERTIFICATE

This is to certify that this project report entitled “**DYNAMICAL SYMMETRY OF HYDROGEN ATOM**” is an authentic record of project work carried out by Ms **ALEENA ZACHARIA** (Reg.No.SHATMPH001), student of Master of Science in Physics, Department of Physics, Sacred Heart College Chaiakudy, successfully completed under my supervision in the Department of Physics, UC College, Aluva .



Dr.Pramod Dominic



DEPARTMENT OF PHYSICS NIRMALA COLLEGE,
MUVATTUPUZHA



CERTIFICATE

This is to certify that this project report entitled "***SYNTHESIS AND PHOTOLUMINISCENCE ANALYSIS OF EUROPIUM ACTIVATED CALCIUMTUNGSTATE PHOSPHOR***" is an authentic record of project work carried out by **ANJALY K Ramachandran**, student of master of science in Physics, Department of physics, Sacred Heart College Chalakudy, successfully completed under my supervision in the department of physics, Nirmala College, Muvattupuzha. The contents of this project work have not been presented earlier for the award of any other degree in any other university.

Dr Dinu Alexander

*Asst. Professor
Dept of Physics
Nirmala college
Muvattupuzha*

A rectangular box containing a handwritten signature in blue ink, which appears to be 'Dinu Alexander'.



External Examiner **Post Graduate Department of Physics &
Research Centre**
Sree Krishna College, Guruvayur
Ariyannur (P. O)
Thrissur (Dt.)

This is to certify that the dissertation entitled “**Glass-free LTCC ceramic for Microwave applications: A literature review**” is an authentic record of the project work done by **AVANI SASI (REG.NO: SHATMPH003)**, IVth Semester M.Sc. Physics, Sacred Heart College, Chalakudy under my guidance for partial fulfilment of requirements for the award of degree of Master of Science in Physics in the year 2021.

Dr. Manu K M

Assistant Professor

**SYNTHESIS AND PHOTOLUMINESCENCE ANALYSIS
OF TERBIUM ACTIVATED CALCIUM TUNGSTATE PHOSPHOR**

**Project report submitted to the
UNIVERSITY OF CALICUT**

In partial fulfillment of the requirements for the award of the degree in

MASTER OF SCIENCE IN PHYSICS

By

Chandhana PR

Reg.No: SHATMPH004

Under the guidance of:

Dr. Dinu Alexander

Dept. of Physics

Nirmala College, Muvattupuzha

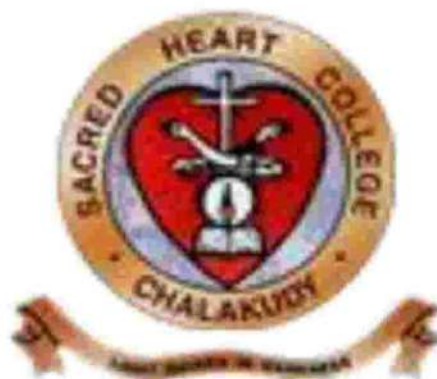
CERTIFIED AS BONAFIDED RESEARCH WORK

EXTERNAL EXAMINER:

- 1.
- 2.

HEAD OF THE DEPARTMENT:

Department of physics
Sacred Heart College
Chalakydy





Dr. Sibi K. S.

Assistant Professor and Head
Department of Physics

University of Kerala

Thiruvananthapuram-695034
sibi@keralauniversity.ac.in

CERTIFICATE

Certified that the work presented in the project work entitled “Neurophysiology of mindfulness meditation on EEG waves” is an authentic record of bonafide research work done by JOMOL JOY, under my guidance and supervision in the Department of Physics, University of Kerala, Thiruvananthapuram 695581 and no part of it has been included in any other thesis submitted previously for the award of any degree. It is also certified that plagiarism checking has been effected using the URKUND software approved by the UGC/University and that no plagiarism has been found in this thesis.

Kariavattom

17/05/2021



Sibi K S
(Guide)

DEPARTMENT OF PHYSICS
COCHIN COLLEGE, KOOVAPADAM

CERTIFICATE

This is to certify that this project report entitled “**CHARACTERISATION OF BARIUM TITANATE**” is an authentic record of project work carried out by Ms **KEERTHANA RAVINDRAN (Reg.No.SHATMPH006)**, student of Master of Science in Physics, Department of Physics, Sacred Heart College Chalakudy, successfully completed under my supervision in the Department of Physics, Cochin College, Koovapadam. The content of this project has not been included in any other project report submitted previously for the award of any degree.


Submitted by
KEERTHANA RAVINDRAN
SHATMPH006
Sacred Heart College, Chalakudy

Place

Edappally

Date:

26/08/21


Signature of the project guide
Dr. MANJUSHA M.V
Assistant Professor
Department of Physics
The Cochin College
Cochin-682 002
THE COCHIN COLLEGE, COCHIN



CERTIFICATE

This is to certify that this project report entitled “**SYNTHESIS AND CHARACTERIZATION OF Fe – DOPED TiO₂ NANOPARTICLES BY SOL-GEL METHOD**” is an authentic record of project work carried out by Ms. Keerthylal K, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision in the Department of Physics, Nirmala College, Muvattupuzha. The contents of this project work have not been presented earlier for the award of any other degree in any other University.



Dr. Radhu. S

Assistant Professor

Department of Physics

Nirmala College, Muvattupuzha

CERTIFICATE

This is to certify that this project report entitled “Determination of orbital parameters and mass of the exoplanet 51 Pegasi b” is an authentic record of project work carried out by Ms. Lakshmi Babu, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy successfully completed under my guidance in the Department of Earth and Space Sciences, Indian Institute of Space Science and Technology, Thiruvananthapuram.

Anand Narayanan

Dr. ANAND NARAYANAN

Professor, Department of Earth and Space Sciences

Indian Institute of Space Science and Technology, Thiruvananthapuram



DEPARTMENT OF PHYSICS
COCHIN COLLEGE, KOOVAPADAM

CERTIFICATE

This is to certify that this project work entitled "**CHARACTERISATION OF BISMUTH FERRITE DOPED WITH COPPER**" submitted by **MARIA PAUL**, M.sc. in physics, 4th semester Register no. SHATMPH009, Department of Physics, Sacred Heart College Chalakudy, Calicut University is an authentic work carried out by her under my guidance and supervision. The contents of this project work have not been presented earlier for the award of any other degree in any other university.

Place *Edappally*
Date *27/8/21*

Manjusha
Dr. MANJUSHA M V
Assistant Professor
Dept. of Physics
The Cochin College
Cochin 682 002
Assistant Professor
Dept. of Physics
The Cochin College, Koovapadam



DEPARTMENT OF PHYSICS
COCHIN COLLEGE, KOOVAPADAM

CERTIFICATE

This is to certify that this project report entitled "CHARACTERISATION OF BISMUTH FERRITE DOPED WITH COBALT" is an authentic record of project work carried out by Ms **MIRUTHUSHA MARY** (Reg.No.SHATMPH010), student of Master of Science in physics, Department of physics, Sacred Heart College Chalakudy, successfully completed under my supervision in the department of physics, Cochin College, Koovapadam. The content of this project has not been included in any other project report submitted previously for the award of any degree.

Place: *Edappally*

Date: *26/08/21*

Manjusha
Dr. MANJUSHA M V
Assistant Professor
Department Of Physics
The Cochin College
682 022

Assistant Professor

Department of Physics

The Cochin College, Koovapadam





**PG & RESEARCH DEPARTMENT OF
PHYSICS**
**SACRED HEART COLLEGE,
THEVARA MAHATMA GANDHI
UNIVERSITY, KOTTAYAM
KOCHI-682 013, KERALA, INDIA
Mob: +91-9746445455**

Dr. Sumod S G
Assistant Professor & Research Guide
Space Science Group
sumod.sg@shcollege.ac.in

30th August 2021

CERTIFICATE

This is to certify that this project report entitled “*TEMPORAL EVOLUTION OF TEC OVER THEVARA IN INDIA*’ is an authentic record of project work carried out by **RIYA JOY K** (Reg.No.SHATMPH011), student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy during the year 2019-‘21 under my guidance in the Department of Physics, Sacred Heart College, Thevara.

Dr. Sumod SG



CERTIFICATE

This is to certify that this project report entitled “**SYNTHESIS AND CHARACTERIZATION OF TiO₂ NANOPARTICLES BY SOL-GEL METHOD**” is an authentic record of project work carried out by Ms. Riya Rappai, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision in the Department of Physics, Nirmala College, Muvattupuzha. The contents of this project work have not been presented earlier for the award of any other degree in any other University.



Dr. Radhu. S
Assistant Professor
Department of Physics
Nirmala College, Muvattupuzha



AQAR 2020-21

ECONOMICS

**Criterion III - RESEARCH,
INNOVATIONS AND EXTENSION**

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year



The Bhopal School of Social Sciences

(BSSS College)

Affiliated to Barkatullah University, Bhopal
Promoted by the Catholic Archdiocese of Bhopal
NAAC Re-accredited Autonomous College under UGC Scheme
with 'A' Grade (CGPA 3.27)



October 28th, 2021

Dr. Shirley Philip
HOD,
Dept. of Economics
Sacred Heart College
Kerala

Sub- Invitation to chair the technical session of International Conference on
“Global Issues of Poverty, Development and Environment”

Dear Madam,

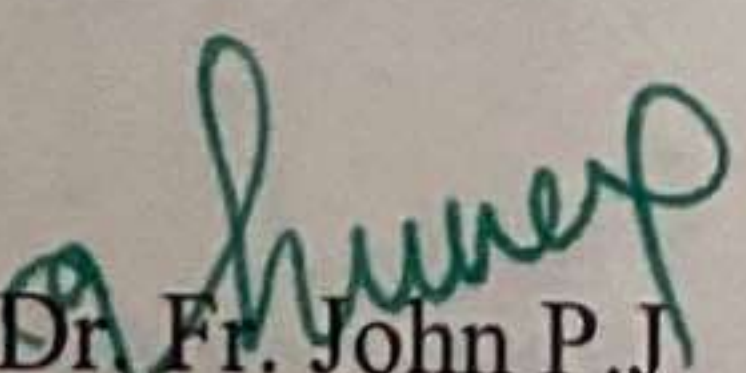
Warm Greetings!

The Bhopal School of Social Sciences is among India's Top Ranked Private Autonomous colleges. It strives to promote integrated and comprehensive approach to education extending beyond the realms of classroom through a series of multidisciplinary events.

The Department of Economics BSSS, and Department of Economics, Kristu Jayanti College, Bangalore are organizing a collaborative International Conference on “Global Issues of Poverty, Development and Environment”.

It will be an honour to have you as the chairperson for one of the technical sessions

We look forward to your acceptance of the invitation.


Dr. Fr. John P.J
Principal
BSSS, Bhopal



Habibganj, Bhopal - 462024
Madhya Pradesh (India)



Tel: + 91 755 2457283
+ 91 755 2473013



E-mail: info@bsssbhopal.edu.in
Website: www.bsssbhopal.edu.in

Dear Sir/Madam,

Greetings!

We cordially invite you to the National Webinar entitled, "Research Methods for Beginners in Economics" organized by the Department of Economics Sacred Heart College, Chalakudy, Kerala in collaboration with Department of Economics St. Joseph's College (Autonomous), Irinjalakuda, Kerala on 24th December 2020 at 11.00 A.M. We are highly privileged to welcome Faculty, Research Scholars, Graduate and Post graduate students of Economics for their active participation.

With Warm Regards,

Dr. Sr. Reena Ittyachan

Principal & Webinar-Chairperson
Sacred Heart College, Chalakudy.

Dr. Sr. Asha Therese

Principal & Webinar-Chairperson
St. Joseph's College (Autonomous),
Irinjalakuda.

Organizing Committee

Dr. Chacko Jose P.

HoD & Convenor-Webinar
Sacred Heart College, Chalakudy.

Ms. Daisy P.K

HoD & Convenor-Webinar
St. Joseph's College (Autonomous),
Irinjalakuda.

Mr. Nijil Jacobi

Coordinator-Webinar
Sacred Heart College, Chalakudy.

Ms. Jomol Thomas

Coordinator-Webinar
St. Joseph's College (Autonomous),
Irinjalakuda.

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Dr. Shirley Jose K,
Ms. Jini Thomas &
Ms. Nicy Jose.

Sacred Heart College, Chalakudy.

Dr. Valsa John C,
Ms. Beena C.A,
Ms. Anisha N.G &
Ms. Akhila N.

St. Joseph's College (Autonomous),
Irinjalakuda.



Department of Economics
Sacred Heart College, Chalakudy, Kerala

&

Department of Economics
St. Joseph's College (Autonomous),
Irinjalakuda, Kerala



Jointly organize

A National webinar

on

"Research Methods for Beginners in Economics"

Inauguration

Date: 24th DECEMBER 2020

Time: 11.00 A.M



DR. SUDEV NADUVATH
Associate Professor
CHRIST
(Deemed to be University)
BANGALORE

Resource Person



DR. K.P. VIPIN CHANDRAN
Assistant Professor
Department of Economics
Krishna Menon Memorial
Govt. Womens College, Kannur.


For Registration :

<https://forms.gle/rHkStF9YEjG3W7rZA>

Platform: Google Meet and You Tube

National Webinar on Research Methods for Beginners

A “National Webinar on Research Methods for Beginners” was conducted on 24th December 2020 in collaboration with St. Joseph’s College (Autonomous), Irinjalakuda, Kerala. The programme was inaugurated by Dr.Sudev Naduvath, Associate Professor, Christ, Deemed to be University, Bangalore. Dr. K.P Vipin Chandran, Assistant Professor, Krishna Menon Memmorial Women’s College, Kannur was the resource person for the event.



The image is a screenshot of a Zoom webinar. At the top, a red 'REC' button and a profile icon are visible, with the text 'Vipin Chandran is presenting'. The main content is a presentation slide with a white background and a red border. The slide title is 'Research Methods for Beginners in Economics' in a large, bold, red serif font. Below the title, the presenter's name 'Dr. K. P. Vipin Chandran' is written in a bold black font, followed by his title 'Assistant Professor' and affiliation 'Department of Economics, Krishna Menon Memorial Government Women's College, Kannur, Kerala.' in a smaller black font. At the bottom of the slide, the email address 'kpvipinchandran@gmail.com' is listed in red. To the right of the slide, a video thumbnail shows the presenter, Dr. Vipin Chandran, wearing glasses and a blue shirt. A 'REC' button and the text 'You are presenting' are visible above the video. At the bottom of the video thumbnail, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'

REC Vipin Chandran is presenting

Research methods for beginners.pdf - Adobe Acrobat Reader DC

Role of Hypothesis

- ❑ It gives a definite point to the investigation and provides direction to the study.
- ❑ It determines the data needs.
- ❑ It specifies the sources of data.
- ❑ It suggests which type of research is likely to be more appropriate.
- ❑ It determines the most appropriate technique of analysis.
- ❑ It contributes to the development of theory.

meet.google.com/... You are presenting Arathi P R and 92 more

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REC Vipin Chandran is presenting

Research methods for beginners.pdf - Adobe Acrobat Reader DC

The Research Process

THE RESEARCH PROCESS			
Phase	PHASE A	PHASE B	PHASE C
Main task	DECIDING ↓ WHAT <small>(research questions to answer?)</small>	PLANNING ↓ HOW <small>(to gather evidence to answer the research questions)</small>	CONDUCTING ↓ COLLECTING <small>(the required information)</small>
Operational steps/research journey			

meet.google.com/... You are presenting Maya Narayanan and 97 more

Activate Windows
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Dear Sir/Madam,

Greetings!

We cordially invite you to the National Webinar entitled, "Economics of Election" organized by the Department of Economics Sacred Heart College,Chalaky, Kerala in collaboration with Department of Economics St.Joseph's College (Autonomous), Irinjalakuda, Kerala on **27th March 2021 at 10.00 AM**. We wholeheartedly welcome Academicians, Research Scholars, and Students for the active online participation.

With warm Regards,

Dr.Sr.Reenalthyachan
Principal & Webinar –Chairperson
Sacred Heart College, Chalaky

Dr.Sr.Asha Therese
Principal & Webinar –Chairperson
St.Joseph's College (Autonomous),
Irinjalakuda

Organizing Committee

Dr.Chacko Jose P.
HoD&Conevenor-Webinar
Sacred Heart College, Chalaky

Ms. Daisy P.K
HoD&Conevenor-Webinar
St.Joseph's College (Autonomous),
Irinjalakuda

Mr.Nijil Jacobi
Coordinator Webinar
Sacred Heart College, Chalaky

Ms.Jomol Thomas
Coordinator Webinar
St.Joseph's College (Autonomous),
Irinjalakuda

Executive Members

Dr.Shirley Jose K
Ms.Jini Tomas &
Ms.Nicy Jose
Sacred Heart College, Chalaky

Dr.M.SGeetha
Ms.Beena C.A
Ms.Anisha N.G
MS.Akhila N
Ms.Reshma K.R
St.Joseph's College
(Autonomous), Irinjalakuda



Department of Economics
Sacred Heart College, Chalaky, Kerala

&

Department of Economics
St. Joseph's College (Autonomous), Irinjalakuda, Kerala

Jointly organize

A National Webinar

On

"ECONOMICS OF ELECTION"

Date: 27th MARCH 2021, Time: 10.00 A.M

INAUGURATION



DR.KRISHAN CHALIL

Professor & Dean

Centre for Development Studies
Central University of South Bihar(CUSB).



DR. P. ARUNACHALAM

Professor , Dept.of Applied Economics
Cochin University of Science
& Technology, Cochin, Kerala.

TECHNICAL SESSION :II

Topic: Science of Forecasting Election Results

Time: 1.30 P.M - 3.30 P.M



DR.SANDHYA E

Former Associate Professor
Department of Statistics
Prajyoti Nikethan College
Pudukkad, Thrissur, Kerala

Click Here to register

<https://forms.gle/CcN9GirfRXRaTduUA>

For more details Contact:

8289923093, 7403539290

Zoom Link

<https://zoom.us/j/91211246565?pwd=LOFHb2M3VqdIFDZnZEVW1uQU9uQT09>

National Webinar on Economics of Election

A “National Webinar on Economics of Election” was conducted on 27th March 2021 in collaboration with St. Joseph’s College (Autonomous), Irinjalakuda, Kerala. The programme was inaugurated by Dr. Krishan Chalil, Professor & Deen, Centre for Development Studies, Central University of South Bihar (CUSB). Dr. P. Arunachalam, Professor, Department of Applied Economics, Cochin University of Science and Technology (CUSAT), Cochin, Kerala and Dr. Sandhya E, Former Associate Professor, Department of Statistics, Prajyothi Nikethan College, Pudukkad, Thrissur, Kerala were the guest speakers for the same.





Variables

- ▶ trends in voting,
- ▶ swings in votes,
- ▶ number of votes polled or percentage of total votes polled
- ▶ historical voting data (or simply put the data from a particular area or constituency regarding voting polls)
- ▶ campaign finance information; this is the funds that are raised in order to finance promotions of the political parties or candidates which help decipher how the political party has been able to influence the voters.

Activate Windows
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ഏകദിന ദേശീയ ശില്പശാല സംഘടിപ്പിച്ചു

ഇരിങ്ങാലക്കുട: തെരഞ്ഞെടുപ്പിന്റെ സാമ്പത്തിക ശാസ്ത്രം എന്ന വിഷയത്തെ ആസ്പദമാക്കി സെന്റ് ജോസഫ് കോളജ് ഇരിങ്ങാലക്കുടയിലെ സാമ്പത്തിക ശാസ്ത്ര വിഭാഗവും ചാലക്കുടി സെക്രഡ് ഹാർട്ട് കോളജ് സാമ്പത്തികശാസ്ത്ര വിഭാഗവും സംയുക്തമായി ഏകദിന ദേശീയ ശില്പശാല സംഘടിപ്പിച്ചു.

ഏകദിന ദേശീയ ശില്പശാല ബീഹാർ കേന്ദ്ര സർവകലാശാല ഡെവലപ്മെന്റ് സ്റ്റഡീസ് വിഭാഗം മേധാവി ഡോ. കൃഷ്ണൻ ചാലിൽ ഉദ്ഘാടനം ചെയ്തു.

കൊച്ചി ശാസ്ത്രസാങ്കേതിക സർവകലാശാല സാമ്പത്തിക

ശാസ്ത്രം വിഭാഗം മേധാവി ഡോ. പി. അരുണചലം 'രാഷ്ട്രീയത്തിന്റെ സാമ്പത്തിക ശാസ്ത്രം' എന്ന വിഷയത്തെ ആസ്പദമാക്കി പ്രബന്ധം അവതരിപ്പിച്ചു.

പ്രജ്യോതി നികേതൻ കോളജ് സ്റ്റാറ്റിസ്റ്റിക്സ് വിഭാഗം മുൻ അധ്യാപിക ഡോ. ഇ. സന്ധ്യ തെരഞ്ഞെടുപ്പ് ഫലപ്രവചനങ്ങളുടെ ശാസ്ത്രീയ അടിസ്ഥാനം എന്ന വിഷയത്തെ തയ്യാറെടുപ്പിച്ചു. ഡോ. പി. ചാക്കോ ജോസ്, ഡോ. കെ. ഷേർവി ജോസ്, കെ. ഷേർലി ജോസ്, ഡോ. എം. എസ്. ഗീത തുടങ്ങിയവർ പ്രസംഗിച്ചു.



INTERNATIONAL CONFERENCE (online)
ECONOMICS OF HAPPINESS AND WELFARE

18th and 19th June 2021

Organised by the **DEPARTMENT OF ECONOMICS**

ST JOSEPH'S COLLEGE (AUTONOMOUS)

IRINJALKUDA, KERALA, INDIA

www.stjosephs.edu.in

&

SACRED HEART COLLEGE, CHALAKUDY

KERALA, INDIA

www.sacredheartcollege.ac.in

June 19, 7.30 pm IST



DADA GUNAMUKTANANDA

(International professional in meditation, yoga, philosophy and natural health sciences)

USA

Speaks on 'Economics of Love'

June 18, 11.00 am IST



Dr T. K. MISHRA

Ramanujan College, New Delhi

Speaks on

'Economic benefits of Happiness'

June 19, 9.30 am IST



Vangie M. Bogaty

Business Consultant

USA

Speaks on

'Love as an organizational norm'

June 18, 2.00 pm IST



Dr. Subhashini Muthukrishnan
Retired Professor of Economics

Bangalore

Speaks on

'Wealth & happiness in Economics'

June 19, 2.00 pm IST



Dr Jai Kishan Prasher

Zakir Hussain College (E), New Delhi

Speaks on

'Economics as a Welfare Science: Hollow or Hubristic'

**PAPERS ARE INVITED ON THE CONFERENCE
THEME**

**NO REGISTRATION OR
PRESENTATION FEE**

PLEASE SEE CONFERENCE BROCHURE FOR DETAILS



<https://drive.google.com/file/d/1g4oEGr1VHqCYDAhJUL69h4CBw3HHF4hS/view>

Email: shcollegeconference@gmail.com

+917403539290

INTERNATIONAL CONFERENCE (online)

'ECONOMICS OF HAPPINESS AND WELFARE'

Two day International Conference (online) “Economics of Happiness and Welfare” was conducted through GoToMeeting online plat form jointly organized by the Department of Economics, Sacred Heart College, Chalakudy and the Department of Economics, St. Joseph’s College (Autonomous), Irinjalakuda on 18th and 19th June 2021. The conference was inaugurated by Dr. T.K. Mishra, Vice Principal, Ramanujan College, New Delhi. The second technical session was addressed by Dr. Subhashini Muthukrishnan, Retired Professor of Economics, Bangalore. The second day first technical session was addressed by Vangie M. Bogaty, Business Consultant, USA and the second technical session was addressed by Dr. Jai Kishan Prasher, Zakir Hussain College (E), New Delhi. The valedictory session was addressed by Dada Gunamuktananda, International professional in meditation, yoga, philosophy and natural health-sciences, USA. There were 1746 participants from different parts of the world and 77 paper presentations.

Youtube links

Technical session 1: <https://youtu.be/xaHfL7J0zu4>

Economics of Benefits of Happiness



Dr. T. K. MISHRA
Vice Principal
Ramanujan College, New Delhi

Technical session 2: <https://youtu.be/EWhu4-mqbRs>

Wealth and Happiness in Economics



Dr. SUBHASHINI MUTHUKRISHNAN
Retired Professor of Economics
Bangalore

Technical session 3: <https://youtu.be/uFsNv4z3jGQ>

Love as an Organizational Norm



VANGIE M. BOGATY
Business Consultant
USA

Technical session 4: <https://youtu.be/okmc0UzYYZk>

Economics as a Welfare Science: Hollow or Hubristic



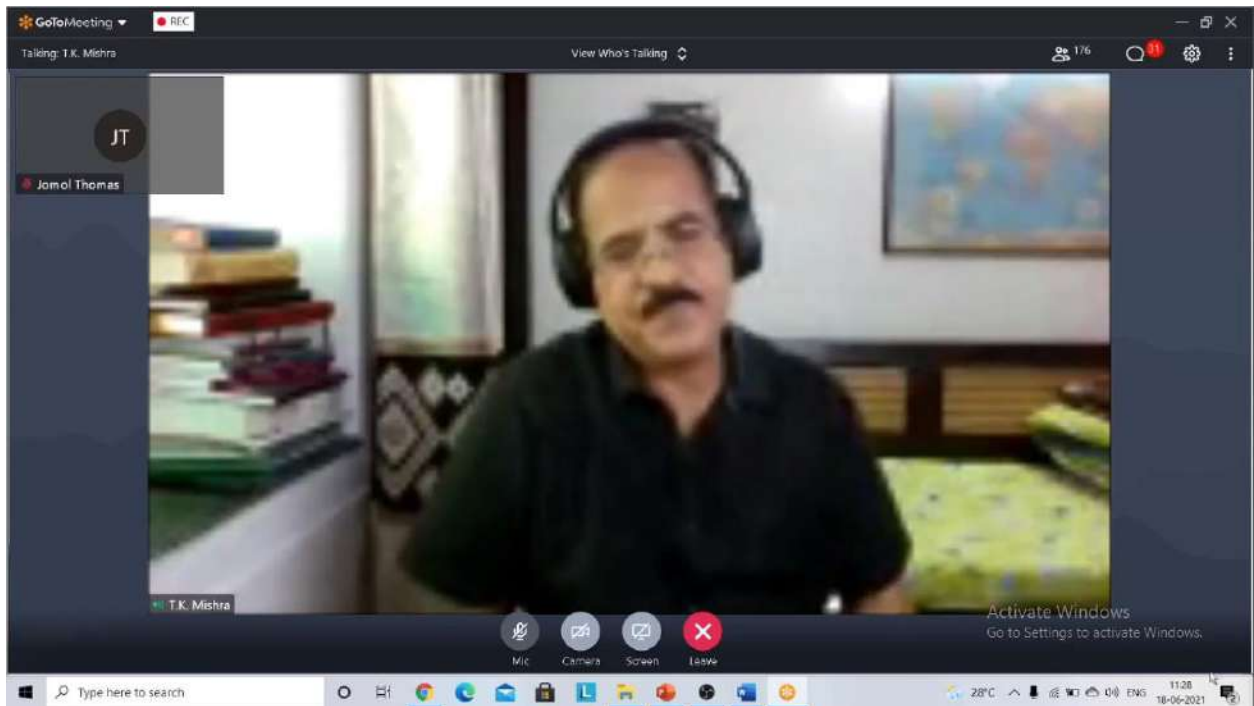
Dr. JAI KISHAN PRASHER
Zakir Hussain College (E)
New Delhi

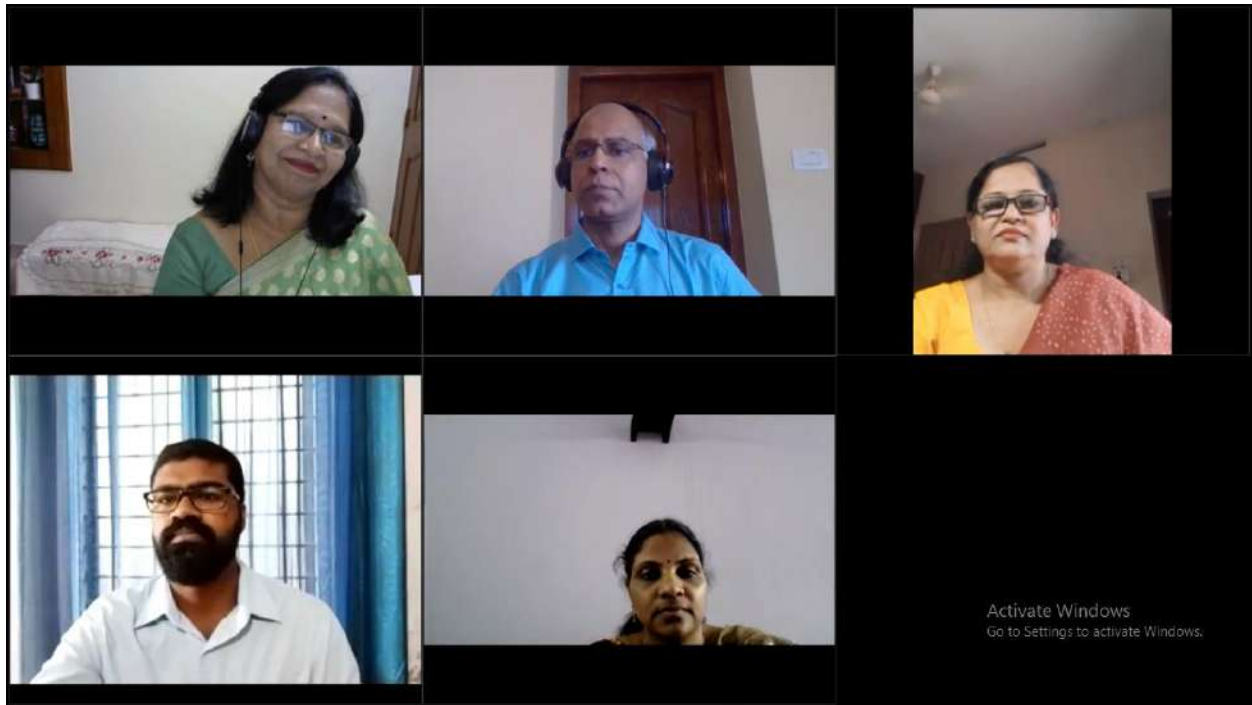
Technical session 5: <https://youtu.be/Pv5HyNyfvQE>

Economics of Love



DADA GUNAMUKTANANDA
International Professional in Meditation,
Yoga, Philosophy and Natural Health-Sciences
Chile





WEALTH AND HAPPINESS IN ECONOMICS

Prof. Dr. Subhashini Muthukrishnan,
Former Professor and Head,
Dept of Economics,
St. Joseph's College (Autonomous),
Bangalore
subhasjc@gmail.com

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International Conference (Online) on Economics of Happiness and Welfare, Day 2, FN Session 19...

PowerPoint Slide Show - [NOTES VM] Bogaty-Love as an organizational norm

LOVE AS AN ORGANIZATIONAL NORM: AN EXPLORATION AT A VALUES-CENTERED ORGANIZATION

By: Vangie M. Bogaty, MSOD

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17:11 / 1:34:58

ECONOMICS AS A WELFARE SCIENCE: HOLLOW OR HUBRISTIC

DR. JAIKISHAN
ASSOCIATE PROFESSOR
ZAKIR HUSAIN DELHI COLLEGE (E)
UNIVERSITY OF DELHI

1. ECONOMICS AS A WELFARE SCIENCE: HOLLOW OR HUBRISTIC

2. INTRODUCTION TO WELFARE ECONOMICS

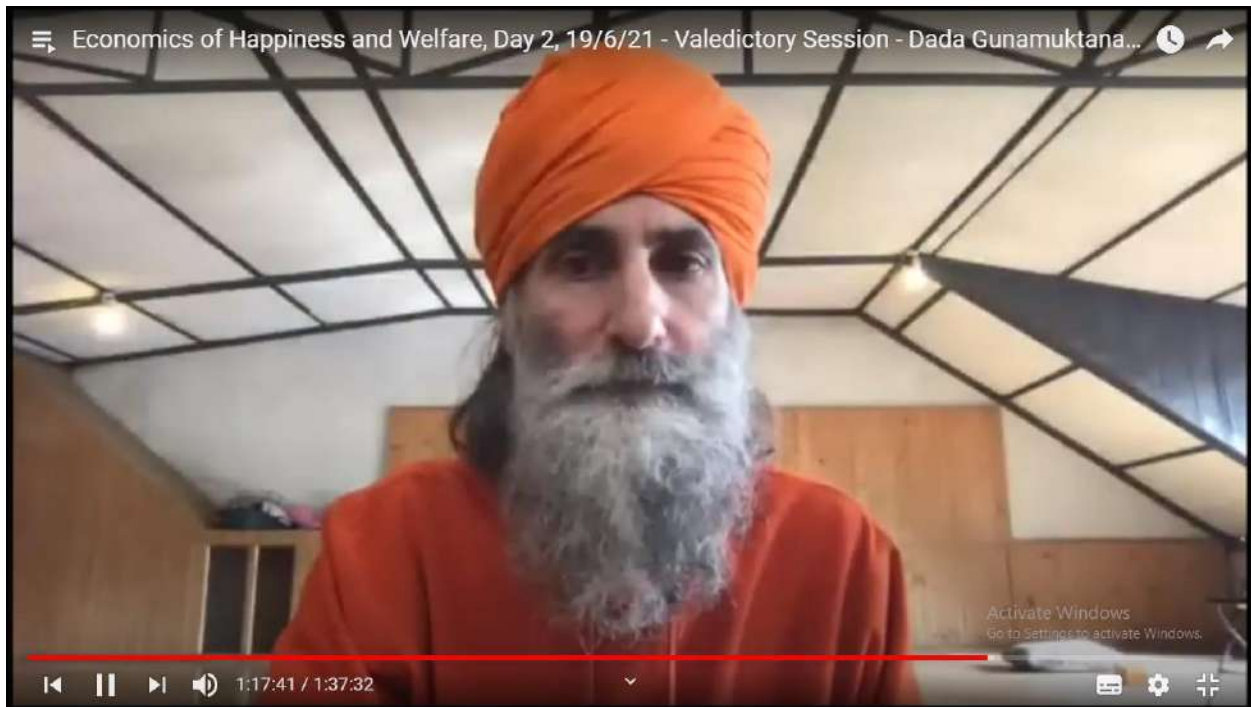
3. WELFARE ECONOMICS: A CRITICAL APPRAISAL

4. WELFARE ECONOMICS: A CRITICAL APPRAISAL

5. WELFARE ECONOMICS: A CRITICAL APPRAISAL

6. WELFARE ECONOMICS: A CRITICAL APPRAISAL

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Department of Economics & IQAC
Sacred Heart College,
Chalakudy, Kerala



Department of Economics & IQAC
St. Joseph's College (Autonomous)
Irinjalakuda, Kerala

Jointly organize
A National Webinar

On
**"INTELLECTUAL PROPERTY
RIGHTS IN THE DIGITAL WORLD"**

Date: 8th APRIL 2021, Time: 10.00 A.M

RESOURCE PERSON

VISHAL KATARIYA
L.L.B,LLM(UK)LLM(US)

Owner

Katariya & Associates

Patent and Trade Mark Attorneys,
Pune, Maharashtra



Dear Sir/Madam,

Greetings!

Intellectual property protection is critical to fostering innovation in the digital era. The advent of digital technologies has indeed changed the world and our life. Without protection of ideas, businesses and individuals would not reap the full benefits of their inventions and would focus less on research and developments. In order to provide a basic awareness about the role of IPR in the modern world, the Department of Economics & IQAC of Sacred Heart College Chalakudy, Kerala in collaboration with Department of Economics & IQAC of St. Joseph's College (Autonomous), Irinjalakuda organize a National Webinar entitled, **"Intellectual Property Rights in the Digital World"** on 8th April 2021 at 10.00 A.M. We the organizers wholeheartedly welcome Academicians, Researchers, and Students for the active online participation.

With warm Regards,

Dr.Sr.Reena Ittyachan

Principal
Webinar–Chairperson
Sacred Heart College
Chalakudy

Dr.Sr.Asha Therese

Principal
Webinar–Chairperson
St.Joseph's College
(Autonomous), Irinjalakuda

CALL FOR PAPERS:The conference invite academicians, Researchers and Students to submit research papers based on intellectual property rights and its related themes. Abstract has to be written in English and should not exceed 300 words with keywords more than five. The last date for abstract submission is on **5th April 2021** and the abstract of the papers have sent to economics@stjosephs.edu.in. Selected papers will be published in the form of a book with ISBN

FOR FURTHER QUERIES :

Ms. Jomol Thomas
8289923093

Mr. Nijil Jacobi
7403539290

ORGANIZING COMMITTEE

Dr.Chacko Jose P.

HoD&Conevenor-Webinar
Sacred Heart College, Chalakudy

Ms. Daisy P.K

HoD & Conevenor-Webinar
St.Joseph's College
(Autonomous), Irinjalakuda

Dr.Shirley Jose K

IQAC Coordinator
SacredHeartCollege,Chalakudy

Dr.Naijil George

IQAC Coordinator
St.Joseph's College
(Autonomous), Irinjalakuda

Mr.Nijil Jacobi

Coordinator Webinar
Sacred Heart College, Chalakudy

Ms.Jomol Thomas

Coordinator Webinar
St.Joseph's College
(Autonomous) Irinjalakuda

EXECUTIVE MEMBERS

Ms.Jini Tomas

Ms.Nicy Jose
Sacred Heart College,
Chalakudy

Ms.Beena C.A

Dr.M.S Geetha
Ms.Anisha N.G
Ms.Reshma K.R
St.Joseph's College
(Autonomous, Irinjalakuda)

Registration link :-

<https://forms.gle/xxMaFrA572UDVEMY7>

National Webinar on Intellectual Property Rights in the Digital World

A “National Webinar on Intellectual Property Rights in the Digital World” was conducted on 8th April 2021 in collaboration with Department of Economics, St. Joseph’s College (Autonomous), Irinjalakuda, Kerala. Vishal Katariya LLB.,LL.M (UK),LL.M (US), owner KATARIYA & ASSOCIATES, Patent & Trademark Attorneys, Pune, Maharashtra was the resource person.

Department of Economics & IQAC
Sacred Heart College,
Chalakudy, Kerala

Department of Economics & IQAC
St. Joseph's College (Autonomous)
Irinjalakuda, Kerala

Jointly organize
A National Webinar
in
"INTELLECTUAL PROPERTY RIGHTS IN THE DIGITAL WORLD"
Date: 8th APRIL 2021, Time: 10.00 A.M

RESOURCE PERSON
VISHAL KATARIYA
LL.B.,LL.M(UK)LL.M(US)
Owner
Katariya & Associates,
Patent and Trade Mark Attorneys,
Pune, Maharashtra

Dear Sir/Madam,

Greetings!

Intellectual property protection is critical to fostering innovation in the digital era. The advent of digital technologies has indeed changed the world and our life. Without protection of ideas, businesses and individuals would not reap the full benefits of their inventions and would focus less on research and developments. In order to provide a basic awareness about the role of IPR in the modern world, the Department of Economics & IQAC of Sacred Heart College Chalakudy, Kerala in collaboration with Department of Economics & IQAC of St. Joseph's College (Autonomous), Irinjalakuda organize a National Webinar entitled, "**Intellectual Property Rights in the Digital World**" on 8th April 2021 at 10.00 A.M. We the organizers wholeheartedly welcome Academicians, Researchers, and Students for the active online participation.

With warm Regards,

Dr.Sr.Reena Ittyachan
Principal
Webinar-Chairperson
Sacred Heart College
Chalakudy

Dr.Sr.Asha Therese
Principal
Webinar-Chairperson
St. Joseph's College
(Autonomous), Irinjalakuda

CALL FOR PAPERS:The conference invite academicians, Researchers and Students to submit research papers based on intellectual property rights and its related themes. Abstract has to be written in English and should not exceed 300 words with keywords more than five. The last date for abstract submission is on 5th April 2021 and the abstract of the papers have sent to economics@stjosephs.edu.in. Selected papers will be published in the form of a book with ISBN

FOR FURTHER QUERIES :

Ms. Jomol Thomas
8289923093

Mr. Nijil Jacobi
7403539290

ORGANIZING COMMITTEE

Dr.Chacko Jose P.
HoD&Conevonor-Webinar
Sacred Heart College, Chalakudy

Ms. Daisy P.K
HoD & Conevonor-Webinar
St.Joseph's College
(Autonomous), Irinjalakuda

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IQAC Coordinator
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IQAC Coordinator
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(Autonomous), Irinjalakuda

Mr.Nijil Jacobi
Coordinator Webinar
Sacred Heart College, Chalakudy

Ms.Jomol Thomas
Coordinator Webinar
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(Autonomous) Irinjalakuda

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St.Joseph's College
(Autonomous), Irinjalakuda

Registration link :-
<https://forms.gle/xxMaFrA572UDVfMY7>

Prerequisites for patents.

The invention should satisfy the definition of Sec. 2 (j):

- Novel (new)
- Non Obvious (inventive step)
- Useful (industrial application)



Activate Windows
Go to Settings to activate Windows.

IP-3–Trade secrets

A trade secret is a formula, practice, process, design, instrument, pattern, or compilation of information which is not generally known or reasonably ascertainable by which a business can obtain an economic advantage over competitors or customers.



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Vishal Katariya

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IPR IN THE DIGITAL WORLD.

KERALA
@Vishal.Katariya
Katariya & Associates
Pune

Email: vishal@katariyaassociates.com
Tel: 9423035601



Vishal Katariya

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IQAC Co Ordinator

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**DEPARTMENT OF ECONOMICS
ST. JOSEPH'S COLLEGE (AUTONOMOUS)**

Irinjalakuda, Kerala, India
www.stjosephs.edu.in



**DEPARTMENT OF ECONOMICS
SACRED HEART COLLEGE**

Chalaky, Kerala, India
www.sacredheartcollege.ac.in



Jointly organize

**One Day Webinar
On**

**“SAILING AHEAD WITH ECONOMICS: CAREER
AND HIGHER EDUCATION OPPORTUNITIES FOR
ECONOMICS GRADUATES”**

DATE: 6TH AUGUST 2021

RESOURCE PERSON

TIME: 6.30 P M(IST)

**E - Certificate for
participation**

DR. CHACKO JOSE P
Principal
St. Aloysius College, Elthuruth, Thrissur

ZOOM MEETING LINK

<https://zoom.us/j/95386548325?pwd=QmtDcThVZncxMmtUdXhMMGoOUWhmdz09>



Contact: 9947689317, 7403539290.



WEBINAR CONVENORS

DR. SHIRLEY JOSE K
MS. DAISY P K

**WEBINAR
COORDINATORS**

MR. NIJIL JACOBI
MS. JOMOL THOMAS

One Day Webinar

SAILING AHEAD WITH ECONOMICS – CAREER AND HIGHER EDUCATION OPPORTUNITIES FOR ECONOMIC GRADUATE

One Day Webinar on “SAILING AHEAD WITH ECONOMICS – CAREER AND HIGHER EDUCATION OPPORTUNITIES FOR ECONOMIC GRADUATE” was conducted jointly by the Department of Economics, St. Joseph’s College (Autonomous), Irinjalakuda, Kerala and the Department of Economics, Sacred Heart College, Chalakudy, Kerala on 6th August 2021. Dr. Chacko Jose P, Principal, St. Aloysius College, Elthuruth, Thrissur, Kerala and Former Associate Professor & Head of the Department of Economics, Sacred Heart College, Chalakudy, Kerala was the resource person.



Affiliated to University of Calicut
St. Joseph's College (Autonomous)
Irinjalakuda, Kerala, India
www.stjosephs.edu.in

&
Sacred Heart College
Chalakudy, Kerala, India
www.sacredheartcollege.ac.in

Jointly organize

Resource Person
DR. CHACKO JOSE P
Principal
St. Aloysius College,
Elthuruth,
Thrissur.

Online Webinar
Topic
**"SAILING AHEAD WITH
ECONOMICS : CAREER AND
HIGHER EDUCATION
OPPORTUNITIES FOR
ECONOMICS
GRADUATES"**

Date:
August 6th, 2021

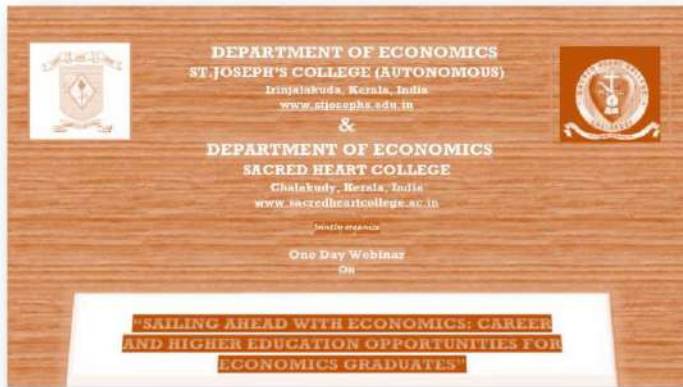
Time:
06:30 PM
India

Join Zoom Meeting
<https://zoom.us/j/95386548325?pwd=QmtDcThVZncxMmtUdXhMMGoOUWhmdz09>

Dial by your location
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+1 253 215 8782 US (Tampa)
+1 301 715 8593 US (Washington DC)
+1 312 626 6799 US (Chicago)
+1 346 248 7799 US (Houston)
+1 646 514 8650 US (New York)



Sailing Ahead With Economics



Chacko Jose P, PhD

Career Opportunities – International Agencies

- World Bank
- Asian Development Bank
- IMF - WTO – OECD – WHO
- ILO – EU – ASEAN – OPEC
- WWF



Gita Gopinath - IMF Chief Economist

7:09

4G

REC



Career Opportunities - Academic

- School Teacher (PG + B Ed)
- Lecturer / Assistant Professor – College / University
(PG with 55 % marks + NET / PhD)
- Researcher in research institutes (Eg. National Institute of Labour Economics Research and Development)
- Researcher in Universities / Colleges

Economics, Sacred Heart College, Chalakudy's sc...



REC



Integrated MA (IMA - 5 year) MA Economics (2 year) Programme in India

- MA Economics: Centre for Development Studies (CDS, Trivandrum)
- MSc. Economics: Indira Gandhi Institute of Development and Research (IGIDR, Mumbai)
- MA Economics: Jawaharlal Nehru University (JNU, New Delhi)
- IMA and MA Economics: Pondicherry University
- IMA and MA Economics: Hyderabad Central University
- MSc. Economics: Indian Statistical Institute
- IMA Economics: IIT Madras



AQAR 2020-21

COMMERCE

**Criterion III - RESEARCH,
INNOVATIONS AND EXTENSION**

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year



കേരളം കേരल KERALA

A 879305

MEMORANDUM OF UNDERSTANDING (MOU)

This Memorandum of Understanding is effective as of
(Effective date) to establish an affiliation in and between.

Department of Commerce
and Management Studies,

AND

Post Graduate Department of
Commerce
and Management Studies
Sacred Heart College
Chalakudy (DCSH)

Research Department of
Commerce and Management
Studies,

Department of Business
Administration

St. Joseph's College
Irinjalakuda (SJC)

The aforesaid institutions are herein after referred to individually and collectively as institutes.



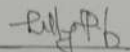
1/0 3359/8-1-2018 500

CMU 2018 (M) 2018 PL. 2018 (M) 2018

Preamble

Whereas SJC and DCSH have many areas of common interest in Commerce and Management studies. Considerable advantage may be gained from their pursuit on a collaborative basis in the field of academics, education and research.

Now therefore, SJC and DCSH have decided to enter into this memorandum of understanding (MOU), which defines the frame work for the co-operation of the two institutions set out in the following sections.


(First Party)

Principal

Dr. Sr. Lilly P.L

PRINCIPAL
ST. JOSEPH'S COLLEGE
(AUTONOMOUS)
IRRIJALAKUDA - 680 121
THRISUR DIST., KERALA


(Second Party)

Principal

Dr. Reena Ittyachan
PRINCIPAL
SACRED HEART COLLEGE
CHALAKUDY

Article- 1. Objectives of the MOU

Both Institutes agree to develop the following collaborative activities in the academic areas of mutual interest, on a basis of equality and reciprocity.

The two institutions shall seek to promote.

1 Faculty Exchanges

- a. The exchange of faculty to the mutual benefit of both institutions. (Classes to be arranged after the regular working hours)
Collaboration in teaching, research and development, and consultancy studies in the field of mutual interest.
- b. The exchange of academic materials and publication
- c. Conducting lecturers
- d. Undertaking joint research
- e. Attachment of staff for the purpose of curriculum development and review, upgrading of teaching and research skills

- f. Participating in seminars , symposiums and other types of academic discussions
- g. Co-supervising post-graduate students
- h. To promote and enhance academic interest among faculties of both departments of above said colleges through faculty exchange programmes
- i. To conduct faculty improvement programme

II Diploma Programmes

- a. To conduct a diploma programme as a joint venture for the students of each institutes as mutually agreed
- b. Both nature, syllabus and duration of the courses will be designed by both institutes as the case may be in every academic year
- c. To conduct online diploma courses of foreign universities in a collaborative manner for the students of both institutes.

Article- 2. Coordination

Each Institution shall appoint one member of teaching to coordinate the programme on its behalf. Further, a coordination committee consisting of a programme coordinator will periodically review and identify ways to strengthen cooperation between the two parties.

Article-3. Proposed modes of collaboration

- a. Cooperation and promotion of education and training in areas of mutual interest
- b. Any other appropriate mode of interaction agreed upon between both institutes

Article-4. Terms and conditions

- a. The expenditure of conducting classes and other basic infrastructure should be borne by both institutes as the case may be
- b. Both institutes should provide necessary infrastructure for conducting classes as the situation demands
- c. This MOU may be amended, renewed and terminated by mutual written agreement of the institutes at any time
- d. Either Institute shall the right to terminate this MOU upon 15 days prior written notice to the other Institute
- e.

Article-5 Confidentiality

- a. The SJC and DCOSHC agree to hold in confidence all information / data designated by the institutes as being confidential which is obtained from either institute or created during the performance of the MOU and will not disclose the same to any third party.
- b. The above confidential clause under this MOU excludes the information/data possessed by either institute before entering into this MOU or independently developed and or information already available through public domain

Article-6. Duration of MOU

This MOU, unless extended by mutual written consent of the institutes, shall expire in every one year (academic year) after the effective date specified in the opening paragraph

Article-7. Coordinators

Both Institutes will designate persons (head of departments of each institute) who will have responsibility for co-ordinations and implementations of this agreement

Article-8. Intellectual property rights

The intellectual property rights that arise as a result of collaborative activity under the agreement if any will be consistent with officially laid down IPR policies of the two institutes or as agreed upon by both parties as the case may be. In all other cases ownership of any intellectual property developed jointly during the course of this MOU shall be vested in both institutes to this memorandum. Both institutes shall have the joint right to determine the commercial exploitation and disposition of such intellectual property

Article-9. Adherence to Law

Participating faculties, staff and students involved in activities under this MOU must adhere to the law, rules and regulations of the institutions.

Article-10. Dispute Resolution

In case there be a dispute relating to any aspect both will jointly resolve the dispute in a spirit of independence, equity and justice.

Article-11. Validity

The memorandum shall remain in force for a period ofyears commencing from effective date. Institution may extend the term by written agreement signed by both after review.

Article-12. Legal Effect

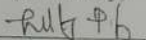
Nothing in this Memorandum shall be construed as creating any legal relationship between the institutes. This memorandum is a statement of intent to foster genuine and mutually beneficial collaboration.

Article-13. Signed in duplicate

This MOU is executed in duplicate with each copy being an official version and having equal legal validity. By signing below, the institutes acting by their duly authorised officers, have caused this Memorandum of understanding to be executed, effective as of the day and year first above written

On behalf of

(First Party)


The Principal

**PRINCIPAL
ST. JOSEPH'S COLLEGE
(AUTONOMOUS)
IRINJALAKUDA - 680 121
THRISSUR DIST., KERALA**

St. Joseph's college Irinjalakuda


(Second Party)




Principal
**PRINCIPAL
SACRED HEART COLLEGE
CHALAKUDY**

Sacred Heart college Chalakkudy

Witnesses:

1) K. P. Thoma 

2) Tony, M. G. 

An internship is a period of work offered by an organization to students interested in gaining work experience in particular fields. This piece of work enables the students to emphasize the skills already possessed by the students in various fields and also to improve their interest in learning more.

The department encourages every student in both UG and PG to participate in internship programs whenever they get a chance. We also motivate them in order to explore their career opportunities and also to achieve the experience of the corporate world before actually setting foot in it.

Sreelakshmi V. of Bcom Second Year Finance had undertaken a charity related internship and also with Zinglin Media Private Limited. She could contribute her skills well in both the organisations.

Zinglin Media Private Limited

hereby presents

Certificate Of Excellence

to

Sreelakshmi V

For outstanding performance in the

Zinglin Campus Ambassador Internship

Date: April 24, 2021



Bindu Jacob



ZINGLIN MEDIA PRIVATE LIMITED

Regd. Office: Office No. 902, 9th Floor, Ackruti Star, Central Road,
MIDC, Andheri (East), Mumbai - 400093
Tel: +91 22 67119700; Email: info@zinglin.com; Website: www.zinglin.com
CIN: U74999MH2017PTC300940



April 24, 2021

EXPERIENCE CERTIFICATE OF INTERNSHIP

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Sreelakshmi V**, student from Sacred Heart College Chalakudy has undertaken her internship with Zinglin Media Private Limited.

She has completed her part time internship from **February 25, 2021 to April 24, 2021** and her project with **Zinglin Campus Challenge** under the guidance of Mr. Ashwin Chhugani, Deputy General Manager – Investor Relations, Mr. Dattatraya Bhandarkar, Manager – Project Management and Mr. Mohanish Vaidya, Manager – Project Management.

We thank Sreelakshmi for her contributions and wish her all the very best in her career.

Yours faithfully,
For Zinglin Media Pvt. Ltd.

A handwritten signature in blue ink, appearing to read "Bindu Jacob".

Bindu Jacob
Head – Human Resource & Administration



Like the faculty exchange programmes, the students get an opportunity to share their ideas and skills through a student exchange programme. This experience will lead them to improve self confidence as well as self esteem. It will also help the students to improve their independent thinking ability and enhance their understanding and acceptance of different perspectives in various situations.

During this pandemic, the students are motivated to exchange their ideas through online mediums. Virtual exchange programs enable the students to utilize the technology as a way to foster their skills in interaction and exchanging their ideas.

Kavya I.S of Bcom Computer Applications 2018 - '21 batch had undertaken a documentary series as a part of their fifth semester open course called Heritage Studies offered by the Department of History. She had shared the experience of her grandfather regarding 'Onam Kali' in her documentary.

Link : <https://youtu.be/pGLEKutC3F8>



Description



**History Open Course - Heritage Studies
Documentary Series- 1- Kavya I.S, about
Onamkali.**



Sacred Heart College Chalakudy

44

Likes

430

Views

2020

28 Sep

Kavya is interviewing her grandfather, Krishnan, who is a doyen in the performing art of Onam Kali. Students need to prepare a documentary video as part of their assignment for the fifth Semester Open Course called Heritage Studies offered by Department of History, Sacred Heart College, Chalakudy.



AQAR 2020-21

ENGLISH

Criterion III - RESEARCH, INNOVATIONS AND EXTENSION

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

SCAS/PPL/CERT- 3 /2021

26.03.2021

CERTIFICATE

I hereby certify that **Ms. ANJU ROSE ANTO** , Assistant Professor, Department of English, Sacred Heart College, Chalakudy has engaged First Semester M A English class of our College on **22.03.2021**, for a duration of one hour, on the topic Mahesh Dattani's "**Tara** ", as part of Faculty Exchange Programme between the two colleges.



Dr. JENSON PO



SAHRDAYA
COLLEGE OF ADVANCED STUDIES
KODAKARA-680 684

*An undertaking of Sahrdaya Group of Institutions of the Catholic Diocese of Irinjalakuda.
Affiliated to University of Calicut. Approved by Government of Kerala.*



Certificate of Selection

Jerney Varghese

from **Sacred Heart College, Chalakudy** has successfully secured **Voice Over (English)** internship at **ConnectEd** through Internshala.

A handwritten signature in blue ink, appearing to read "Sarvesh", written over a light blue horizontal line.

Sarvesh Agrawal
Founder & CEO, Internshala

Date of certification: May 15, 2021

Certificate Number: 323CE4A8-29BA-37AB-5B7A-9EBB6CF292F0
For certificate authentication please visit https://internshala.com/verify_certificate

19.02.2021

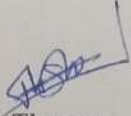
EXPERIENCE CERTIFICATE

TO WHOM SO EVER IT MAY CONCERN

We, hereby certify that **Ms. Lakshmi M S** (Employee Code: WC 442) has worked as '**Content Writer**' with WebCastle Media Pvt. Ltd, from 20th August 2020 to 19th February 2021. During this period her conduct has been good and she was a dedicated employee. We appreciate her contribution to our organization during the period of her service.

We wish her all the best for the future endeavors.

For WebCastle Media Pvt. Ltd,


Jenson Thomas
Director



2:03



3 Messages



Internship Offer Letter: Sne...



Kapil Chhabra

05/08/20

To: sneha mary >

Hello Sneha Mary Sabu;

Thank you for your application (through Internshala portal) for the internship and for the subsequent interview / discussions.

Further to our discussions, we are happy to make an offer for you to join us as an Intern for "Volunteering (Social Change) & Content Development".

You shall be governed by the following terms and condition of service during your internship with Kapil Chhabra (here-in-after may also be referred as SarvaYog or Mentor, or management, or Company), and these may be amended from time to time.

You are being hired as an Intern for "Volunteering (Social Change) & Content Development".

Your date of joining is 6th August 2020 or earlier; and the duration of the internship would be approx. 6 (six) months. During this time, you are expected to devote your time and efforts solely to Kapil Chhabra (SarvaYog) work. You are also required to let your mentor (e.g. Kapil Chhabra) know about forthcoming events (if





25/06/2021

TO WHOM IT MAY CONCERN

It is with great pleasure and enthusiasm that I am writing to endorse Jerney Varghese's application to your organization/program. I, Lehar Tawde, am the Co-Founder of ConnectEd Technologies LLP, which is an educational-technology company making quality education accessible and affordable to underprivileged youth across India. I hope my perspective will be helpful to you as you evaluate her candidature.

With us, Jerney worked as a Voice-over artist for Two Months (May2021-June2021), wherein she voiced educational scripts that were further developed into the video lectures that are deployed in schools we are associated with. These lectures not only assist the teachers in these schools where the teacher to the student ratio is quite skewed but also help the children to learn in a more interactive way. These video lessons add an extra learning element and at the same time make this learning process fun. So, the work of providing voice to the videos is of prime importance in our effort to revolutionize the learning in those classrooms. This learning technology is being employed in the most densely populated schools of Maharashtra and we are being supported by the Government of Maharashtra under 'Digital India'.

During her recruitment interview, Ms. Jerney Varghese expressed a strong desire to work with us and we did not disappoint. We found her to be a quick learner and a hard-working girl, who pays attention to instructions and takes feedback quite constructively. She will be coming to you with the above-mentioned experience and qualities, to say the least, and I hope that you will accept her application to your organization/university.

Lehar Tawde
Co-Founder
ConnectEd Technologies LLP



YOUTH EMPOWERMENT
FOUNDATION

CERTIFICATE OF INTERNSHIP

YEF/20/R03496

This certificate is awarded to

SNEHA MARY SABU

for successfully completing **Fundraising Internship** at Youth Empowerment Foundation.

The duration of internship was **one month** starting from **03/08/2020**.

During this period, the candidate was found to be hardworking, efficient and sincere.

Rambabu Sharma
PRESIDENT
Youth Empowerment Foundation

COLLEGE OF APPLIED SCIENCE, PUTHENVELIKKARA

(Affiliated to M. G. University)

(Managed by IHRD and Established by the Govt. of Kerala)

P. O. ELENTHIKARA - 683 594, N. PARAVUR, ERNAKULAM

Phone: 0484-2487790, 8547005069, E-mail: caspvkihrd@gmail.com



No.A4/42/2020/CAS-PVK

05.03.2021

Certificate

This is to certify that, Ms. Anurose J Panakkal, Panakkal House, Thuruthoor, Puthenvelikkara P O, is working as Assistant Professor in English (Part-time) on hourly wages from 02.11.2020 till date, in this institution.

Her character and conduct during this period was found to be *Good*

This certificate is issued on her request for submitting for employment purpose.



S. Anurose
PRINCIPAL
COLLEGE OF APPLIED SCIENCE
PUTHENVELIKKARA - 683 594, N. PARAVUR

From,

19/07/2021

DASKALOS VIRTUAL ACADEMY PVT. LTD.
No. 106, SAI BRUNDAVANA LAYOUT,
S.BINGIPURA EAST, BANGALORE – 560003

To,

Ms. KARTHIKA MANOJ
KELAMPARAMBIL HOUSE, MADAYIKONAM P O, THRISSUR DISTRICT- 680712

Sub: Job Offer Letter for Teacher

We are pleased to appoint you as **Teacher** in our organization. Details pertaining to your employment would be as below;

Salary: Your annual CTC would be Rs.180,000 (One Lakh Eighty Thousand Indian Rupees only) inclusive of applicable tax, statutory deduction and allowances.

Date of joining- Immediate

Probation/Confirmation: You will be on Probation period for the first six months. Based on your performance your services will be confirmed with the company in written after six months.

During the probation period and once confirmed your employment can be terminated or you can relieve from the company by serving one month's notice period. The company can also terminate your employment by providing one month's notice without providing any reasons what-so-ever. If your services are found satisfactory during the probation period, you will be confirmed in the present position.

Absence for a continuous period of Six days without prior approval of your superior, (including overstay on leave / training) would result in you losing your lien on the service and the same shall automatically come to an end without any notice or intimation.

Leave: You will be eligible to the benefits of the Company's leave policies on your probation/ Confirmation in the Company's Service.

During the period of your employment with the Company, you will devote full time to the work of the Company. Further, you will not take up any other employment or assignment or any office, honorary or for any consideration, in cash or in kind or otherwise, without the prior written permission of the Company.

1. You will not (except in the normal course of the Company's business) publish any article or statement, deliver any lecture or broadcast or make any communication to the press, including magazine publication relating to the Company's products or to any matter with which the Company may be concerned, unless you have previously applied to and obtained the written permission from the Company.
2. You will be required to maintain utmost secrecy in respect of Project documents, commercial offer, design documents, Company's polices, Company's patterns & Trade Mark and Company's Human assets profile.
3. You will be required to comply with all such rules and regulations as the Company may frame from time to time.
4. Any of our technical or other important information which might come into your possession during the continuance of your service with us shall not be disclosed, divulged or made public by you even thereafter.
5. If at any time in our opinion, which is final in this matter you are found non- performer or guilty of fraud, dishonest, disobedience, disorderly behavior, negligence, indiscipline, absence from duty without permission or any other conduct considered by us deterrent to our interest or of violation of one or more terms of this letter, your services may be terminated without notice and on account of reason of any of the acts or omission the company shall be entitled to recover the damages from you.
6. You will not accept any present, commission or any sort of gratification in cash or kind from any person, party or firm or Company having dealing with the company and if you are offered any, you should immediately report the same to the Management.
7. This letter is being issued to you on the basis of the information and particulars furnished by you in your application (including bio-data), at the time of your interview and subsequent discussions. If it transpires that you have made a false statement (or have not disclosed a material fact) resulting in your being offered this appointment, the Management may take such action as it deems fit in its sole discretion, including termination of your employment.

Please bring supporting documents.

Please sign and send us a scanned copy as your acceptance within 2 days and also return to the undersigned the duplicate copy of this letter signifying your acceptance on the joining date.

We welcome you to Daskalos Virtual Academy Pvt. Ltd. and wish you a very fruitful and rewarding career.

For **Daskalos Virtual Academy Pvt. Ltd.**

This is a computer generated document. No signature is required.

Authorized Signatory



**GURU ANGAD DEV
TEACHING
LEARNING
CENTRE**



सत्यमेव जयते

**MINISTRY OF EDUCATION
GOVT. OF INDIA
PANDIT MADAN MOHAN
MALVIYA NATIONAL
MISSION ON TEACHERS
AND TEACHING
(PMMNMTT)**

45 Hours of Experiential Learning

Certificate Course on

SOFT SKILLS FOR SUCCESSFUL CAREER

18 Oct 2021 – 28 Feb 2022

ENHANCE
SKILL LEVEL



In collaboration with



St. John's College
Agra



Bishop Moore College
Mavelikara



Catholicate College
Pathanamthitta



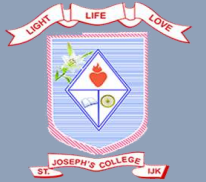
Sacret Heart College
Chalakudy



St. Joseph's College
Alappuzha



Assumption College
Changanacherry



St. Joseph's College
Irinjalakuda

Course Objectives

To enable participants to communicate with clarity and impact, by improving their negotiation and presentation skills as well as to enhance their interview skills, problem solving, entrepreneurial, teamwork, and technology based skills, so as to equip them to succeed in today's competitive world.

Topics Covered:

- Communication skills
- Interview skills
- Presentation skills
- Negotiation skills
- Self management skills
- Problem solving skills
- Learning skills
- Team work skills
- Entrepreneurial skills
- Technology based skills

Theme of Programme

"I never teach my pupils, I only provide the conditions in which they can learn"
- Albert Einstein

Registration Fee :
Rs. 500/-

[To Register](#)
[Click here](#)

About GAD-TLC of MHRD

"Guru Angad Dev Teaching Learning Centre" is a centre of MHRD under the Pandit Madan Mohan Malviya National Mission on Teachers and Training (PMMNMTT) of the MHRD, Govt. of India. The objectives of the Teaching Learning Centre are to prepare Modern age teachers. Under this centre many National level activities like Seminars, FDPs and workshops at both basic and advanced level are being conducted to empower the teachers in ICT skills, develop teaching kits / teacher's tools and ICT empowered pedagogies to enhance teaching-learning process. In its various programmes, around 55,000 teachers across the nation have benefitted till now. GAD TLC is also organizing Student Specific Training Courses to upgrade their skills as required for their Professional Development.

Prof. A.K. Bakhshi
Vice-Chancellor, PDM
University, Haryana
Chairman, GAD-TLC

Prof. K.V. Bhanu Murthy
Professor, DTU
Vice-Chairman,
GAD-TLC

Prof. Jaswinder Singh
Principal,
SGTB Khalsa College
Director, GAD-TLC

Dr. Vimal Rarh
Project Head &
Joint Director, GAD-TLC



45 Hours of Experiential Learning Certificate Course On Soft Skills For Successful Career 18 Oct 2021- 28 Feb 2022



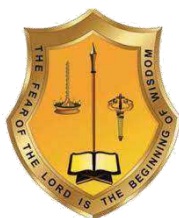
About the Collaborating Colleges



Bishop Moore College, Mavelikara, established in 1964 and affiliated to the University of Kerala, has been awarded A grade by NAAC in the 3rd cycle of accreditation and ranked 76 among the Colleges in India in the NIRF ranking 2020. The College offers 11 undergraduate, four postgraduate and two research programmes in Science, Commerce, Arts and Humanities along with two UGC-sponsored add-on courses, and also provides opportunities for students to carry out Summer Research Projects at reputed institutes in the country. The undergraduate programmes in the Science departments are supported under the DBT-STAR College scheme. The College has become an active hub of research with well equipped laboratories, over 100 publications in international journals, a number of completed major and minor research projects, the research facilities being enhanced by utilizing funds under the DST-FIST scheme and KSCSTE SARD project scheme. The research centres have collaborative projects with institutes like the UGC – DAE Consortium for Scientific Research, BARC Mumbai and IUAC, Delhi.



St. John's College, Agra, was established in 1850 by the Church Missionary Society of England through the efforts of the Agra C.M.S. Association which came into being in 1840. From 1862 to 1888 the College remained affiliated to Calcutta University and later up to 1927 to Allahabad University. In 1927 with the formation of Agra University, the then Principal of the College Dr. A.W. Davies became its first Vice-Chancellor and the College was affiliated to the Agra University. The college became a First Grade College in 1891 with B.A. and LL. B. classes, and affiliation was granted in 1893 for postgraduate classes. Thus it has the rare distinction of being a postgraduate institution of more than a century's standing. The college has sixteen post graduate departments with facilities for research and three undergraduate departments. The college also runs five self-financed recognized courses viz, B.Com(Vocational), B.B.A., B.Ed, D.El.Ed, M.A(Urdu), Post Graduate Diploma in Clinical Psychology and two partially self-financed degree programs in B.Sc with Industrial Chemistry & BSc with Computer Science. The foundation stone of the Centenary Wing was laid by Bharat Ratna Sarvapalli Radhakrishnan, former President of India, in 1958 and was opened by Bharat Ratna Pt. Jawaharlal Nehru, the first Prime Minister of India, in 1959, with the words "I have come to pay tribute to this temple of learning." The College has very distinguished alumni, the foremost of them being the late Dr. Shanker Dayal Sharma, the former President of India present situation.



Catholicate College, Pathanamthitta founded in 1952 on the serene Basil Hills has a rich legacy of almost seven decades and is affiliated to Mahatma Gandhi University, Kottayam.. The motto of this temple of learning is "Fear of the Lord is the beginning of wisdom." It imparts value-based education aimed at the holistic and intuitive growth of the individual so as to fulfill the vision of creating an educated and enlightened society for a brave new world. It has been re-accredited by NAAC with CGPA 3.60, A Grade and is one of the Thirteen special grade colleges in Kerala. The college has eight research departments and offers fifteen PG Programmes, thirteen UG Programmes and one Integrated MA Programme in English the aided stream. The college was identified by the department of science and technology, government of India, for FIST funding. The college has been awarded ISO 9001-2008 certification. Current year, the college is celebrating its platinum jubilee. The college has been endeavoring to shape the destiny of a community in the fullest spirit of its stated mission, an educated, enlightened society for a brave new world.



Sacred Heart College, Chalakudy is an institution managed by the Alvernia province of Franciscan Clarist congregation, affiliated to the University of Calicut and aided by the Kerala government. The College, established in 1980, as a junior college with Pre-degree courses was upgraded to a first grade status in 1991 and is presently offering eight Under Graduate and six Post Graduate courses. The motto of the college is "LUX IN TENEBRIS LUCET" (Light Shines in Darkness). The College is located in a peaceful semi urban locality, the lush green gardens and well designed infrastructure provide the perfect ambience for learning, sharing and development of the students. The college was re-accredited by NAAC with A+ grade (CGPA 3.55) in 2017. The Department of English was established in 2002. It is one of the oldest departments in the college offering students both BA and MA programmes. It became post graduate department in 2005. The department believes in the power of word to create and transform, to nurture and nourish. And hence academic activities are aimed at enhancing the communicative and interpretive skills of our students.



St. Joseph's College for Women, Alappuzha, established in 1954 was envisioned by the International Congregation of Canossian Daughters of Charity and is affiliated to the Kerala University . In 2015, the College was the recipient of grant from DST FIST for the infrastructural development and in 2016, it was granted the status of "College With Potential for Excellence" (CPE) by UGC. The college offers 10 Under Graduate and 3 Post Graduate programmes, and various certificate courses. The Department of English was established at the inception of the college, on 1st July 1954. In 1971, the Under Graduate Course in English Language and Literature was introduced. The first Post Graduate Course in the college was started in English Language and Literature in 1999. In 2014, a new Career Related undergraduate course in English and Communicative English was begun to cater to the changing times and needs. The Department has been imparting quality education, both curricular and co-curricular, for more than six decades and is the biggest department in the college. It reaches out to all streams of study, thus placing itself in an influential position, capable of moulding all the students under its umbrella.

Certificate Program For Students

UG students , PG students, Research Scholars & Others

Successful Completion Certificate:

Based on Attendance, Online MCQ Test , Assignments & Projects (50% or above) Attendance & Feedback Compulsory

Flexible Online Mode

Live Sessions-Saturdays & Public Holidays



45 Hours of Experiential Learning Certificate Course on Soft Skills for Successful Career 18 Oct 2021- 28 Feb 2022



About the Collaborating Colleges



Assumption College (Autonomous), Changanacherry, affiliated to Mahatma Gandhi University, Kottayam, is a Christian minority institution managed by the Archdiocese of Changanacherry, with 71 years of excellence in providing quality higher education to young women. The excellence of Assumption College was recognized by the University Grants Commission through the grant of Autonomy in the year 2016, and by the National Assessment and Accreditation Council (NAAC) by re-accrediting the College at the 'A' Level in the third cycle. One among the top 100 colleges in India in the NIRF Ranking 2017, Assumption is now 29th at national level, and 11th in the state, among the private autonomous colleges in the Education World India Higher Education Rankings 2021-22. The Department of English, established in the year 1950, currently runs three programmes-BA English Language & Literature (Aided), BA English Literature, Communication and Journalism (Self-financing) and MA English Language and Literature (Self-financing). The Department aims at developing the technological and linguistic skills of students so that the courses in which they graduate would guide them to a successful career option in future.

St. Joseph's College (Autonomous), Irinjalakuda, a college for women, affiliated to the University of Calicut and managed by St. Joseph Educational Society of the Congregation of Holy Family was founded in 1964. The college was reaccredited in the third cycle at A level in 2013 by the National Assessment and Accreditation Council (NAAC). It was awarded Autonomy in March 2016 and was granted the status of College with Potential for Excellence by UGC in April 2016. Currently the college has 4 research departments and offers sixteen Post graduate course, twenty Under Graduate courses, five B.Voc courses and one Integrated MSc. course. The college aims at empowering women by establishing a research oriented academic atmosphere. The department of English celebrates its ruby jubilee this year and currently offers PhD, MA and BA (Aided and Self financing) programmes in English Language and Literature. 'English for Empowerment' is the vision of the department and students are taught both literature and life skills through a variety of innovative activities. The students are encouraged to pursue areas beyond their curriculum through a research ambience.



Organizing Committee

Prof. S. P. Singh, Co-Patron, Principal, St. John's College, Agra
Dr. Jacob Chandy, Co-Patron, Principal, Bishop Moore College, Mavelikara
Dr. Philipose Omman, Co-Patron, Principal, Catholicate College, Pathanamthitta
Dr. Sr. Reena Ittyachan, Co-Patron, Principal, Sacred Heart College, Chalakudy
Dr. Rita Latha D' Couto, Co-Patron, Principal, St. Joseph's College for Women, Alappuzha
Dr Anitha Jose, Co-Patron, Principal, Assumption College. Changanacherry
Dr. Sr. Asha. Therese, Co-Patron, Principal, St. Joseph's College Irinjalakuda
Dr. Ranjith Mathew Abraham, Vice Principal & IQAC Co-ordinator, Bishop Moore College, Mavelikara
Dr. Susan Verghese P., IQAC Co-Ordinator, Head of the Department of Chemistry, St. John's College, Agra
Dr. D. Sajan, Co-Ordinator, Head of the Department of Physics, Bishop Moore College, Mavelikara
Ms. Anu Francis, Co-Ordinator, Department of English, Catholicate College, Pathanamthitta
Ms. Sandra Juliet Jose, Co-Ordinator, Department of English, Sacred Heart College, Chalakudy
Ms. Anjali George, Co-Ordinator, Department of English, St. Joseph's College for Women, Alappuzha
Ms. Nisa Teresa John, Co-Ordinator, Department of English, Assumption College Changanacherry
Dr. Sujitha VS, Co-Ordinator, Department of English, St. Joseph's College Irinjalakuda
Mr. Javeesh Alex, Convenor, Department of Physics, Bishop Moore College Mavelikara
Dr. Tintu K Kuruvilla, Convenor, Department of Physics, Bishop Moore College Mavelikara
Dr. Asha Philipose, Convenor, Head of the Department of English, Catholicate College, Pathanamthitta
Dr Sr A Princy Anto, Convenor, Department of English, Sacred Heart College, Chalakudy
Sr. Ligy Jose E, Convenor, Department of English, St. Joseph's College for Women, Alappuzha
Ms Lizmol Joseph, Convenor, Department of English, Assumption College Changanacherry
Dr. Asha Thomas, Convenor, Department of English, St. Joseph's College Irinjalakuda

Prof. A.K. Bakhshi
 Vice-Chancellor, PDM
 University, Haryana
 Chairman, GAD-TLC

Prof. K.V. Bhanu Murthy
 Professor, DTU
 Vice-Chairman,
 GAD-TLC

Prof. Jaswinder Singh
 Principal,
 SGTB Khalsa College
 Director, GAD-TLC

Dr. Vimal Rarh
 Project Head &
 Joint Director, GAD-TLC

Course Outcome

The 45 Hour course on Soft Skills for Successful Career has been designed keeping in focus the following learning outcomes:

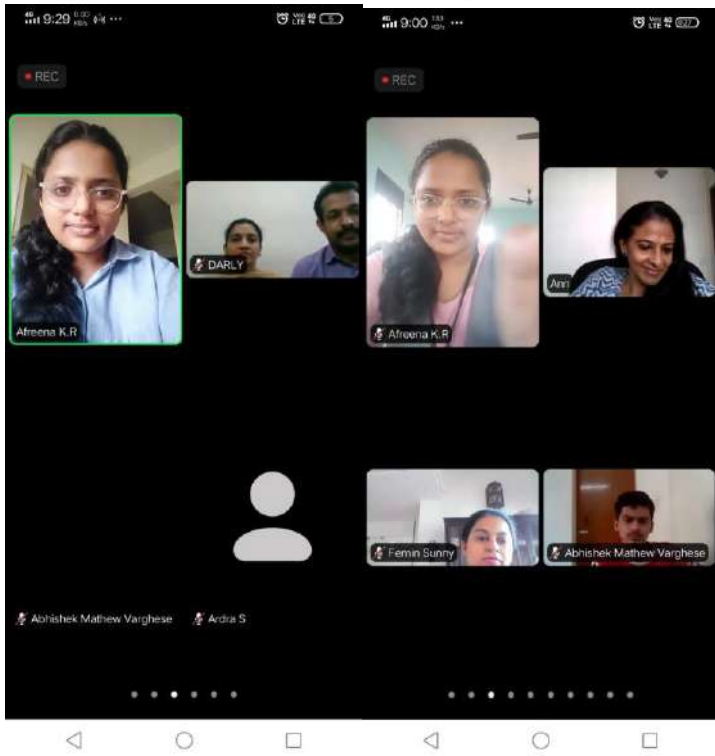
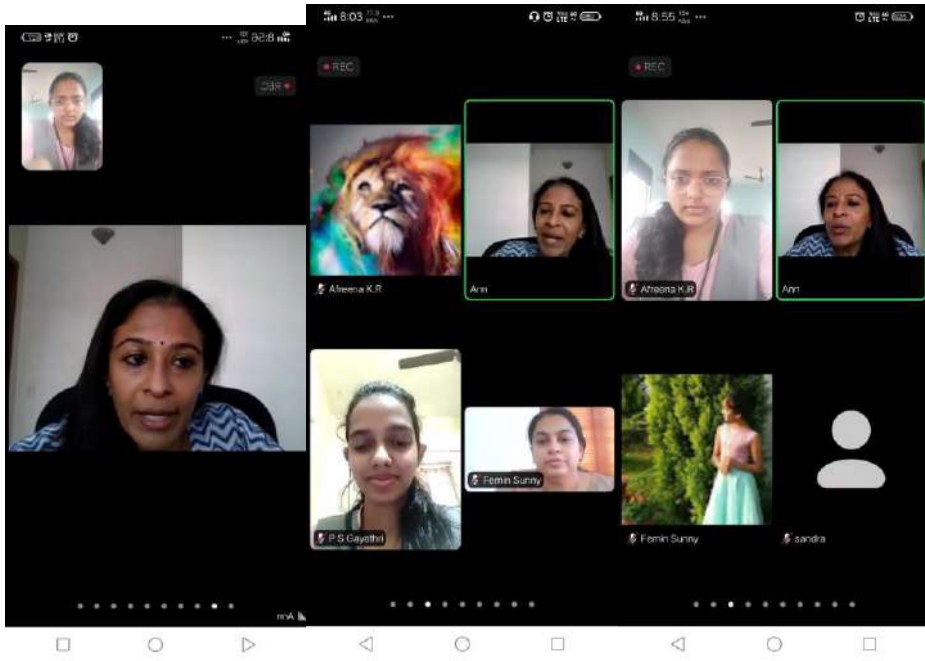
- ❖ Better self-awareness and improved self-confidence and self-esteem.
- ❖ Proficiency in verbal and nonverbal communication skills, including presentation and negotiation skills.
- ❖ Increased capacity for problem solving and critical thinking.
- ❖ Gain clarity regarding professionalism, work ethics.
- ❖ Knowledge and training in improving e-skills.
- ❖ Enhancement of overall employability skill.

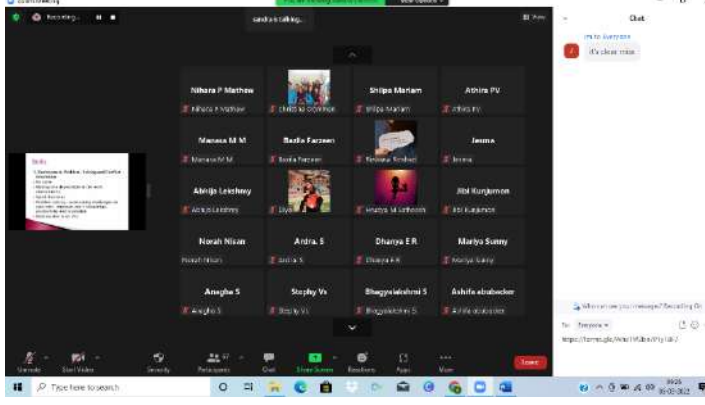
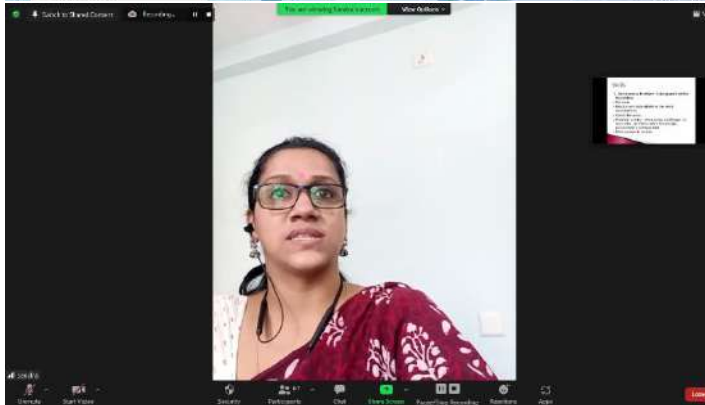
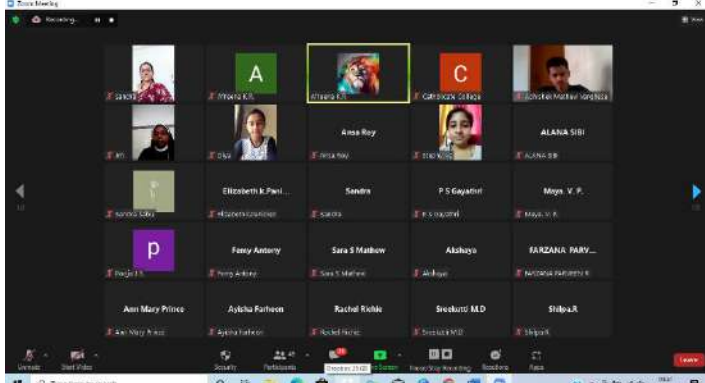
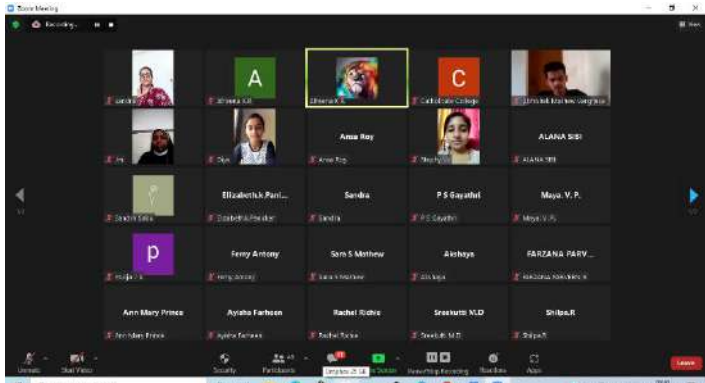
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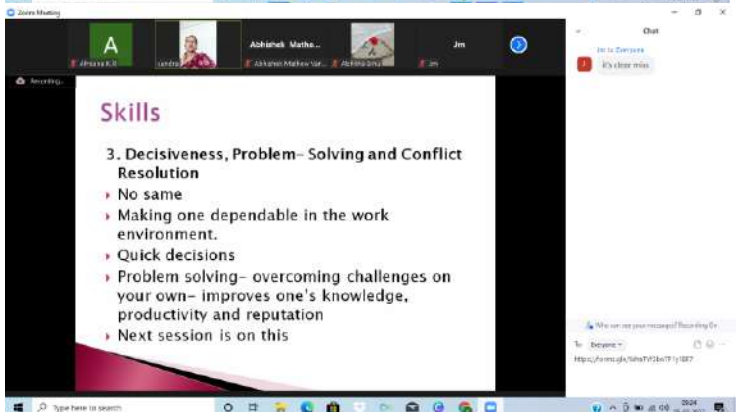
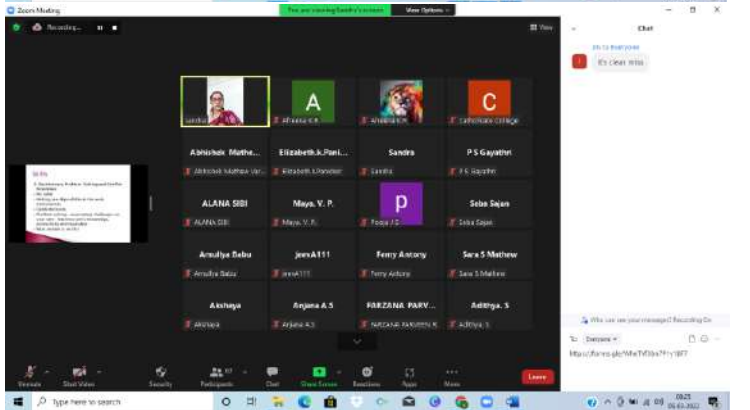
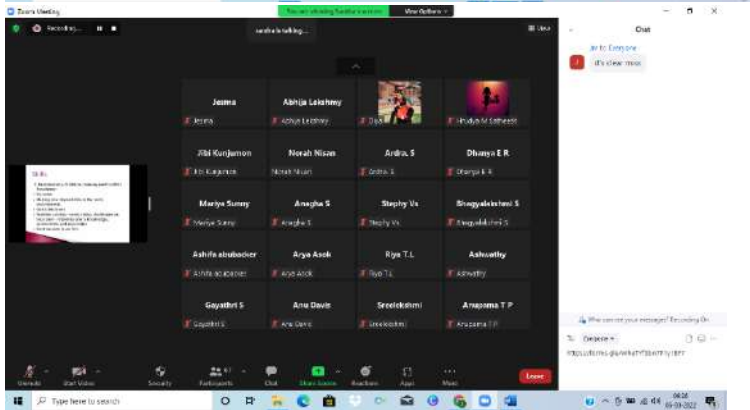
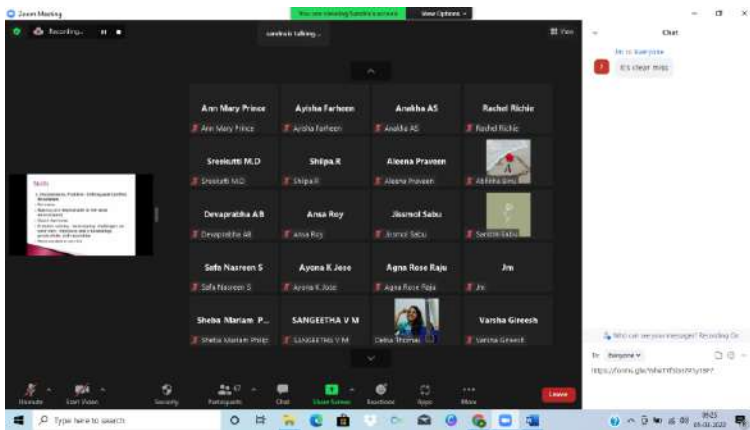
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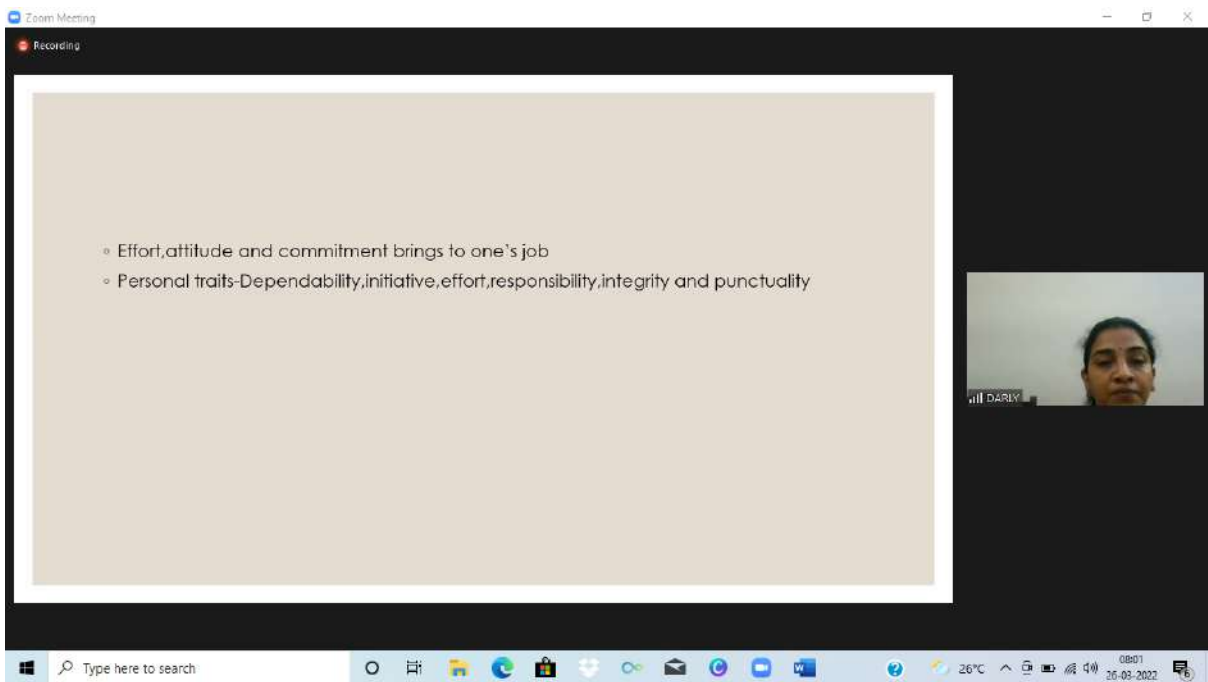
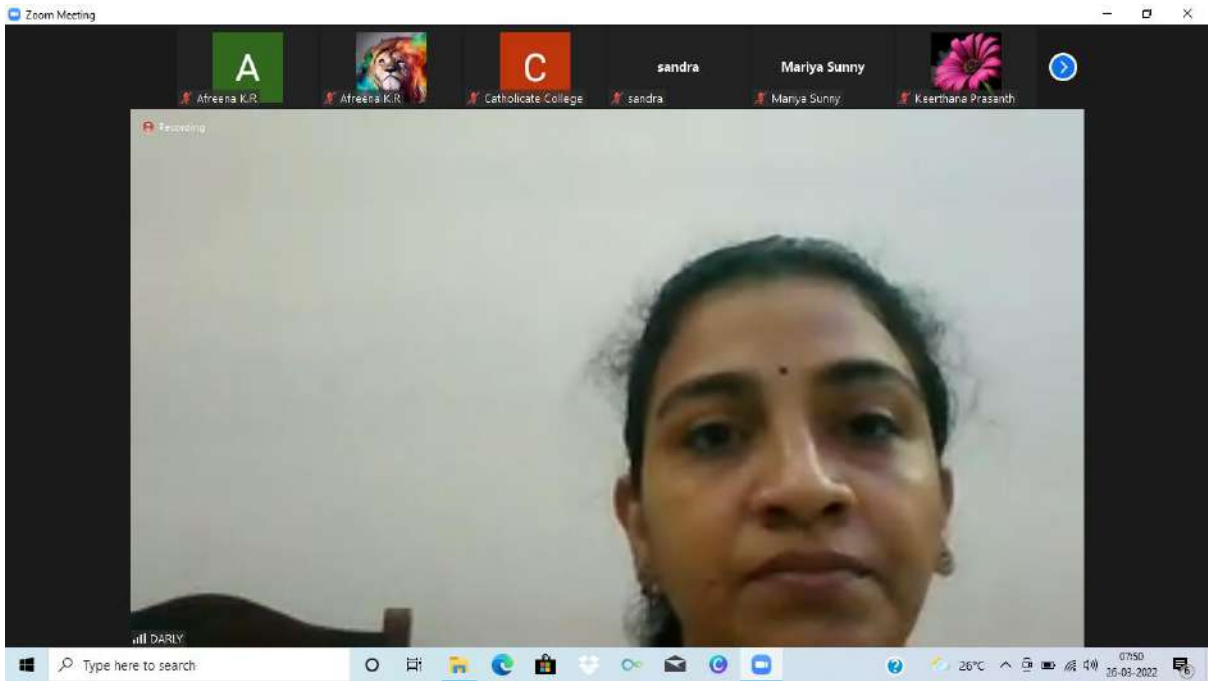
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Zoom Meeting

Recording

- Effort, latitude and commitment brings to one's job
- Personal traits-Dependability, initiative, effort, responsibility, integrity and punctuality

Windows taskbar: Type here to search, 26°C, 08:02, 26-03-2022

Zoom Meeting

You are viewing DARLY's screen View Options

Recording

Task

- Evaluate the situation with regard to work ethics.
- Mr Frank is leaving the company for he explains he has a hostile workspace and the manager is biased towards him. Should he leave or stick back?

Afreena K.R.

Afreena K.R.

DARLY

sandra

Abhishek Mathew...

Mariya Sunny

Ardra S

Dhanya E R

Kurju

Rizwana Rinshad

Ashwathy

Parvathy

Carina Ann Tho...

Ansa Roy

P S Gayathri

Nihara P Mathew

Della Thomas

Akshaya

NANDANA T N

Aswathy MR

Zoom Meeting controls: Mute, Start Video, Participants (45), Chat, Share Screen, Record, Reactions, Apps, Leave

Windows taskbar: Type here to search, 26°C, 08:16, 26-03-2022

Zoom Meeting | You are viewing DARLY's screen | View Options

Recording | DARLY is talking...

- Manage time
- List the company/institution first
- Top down self motivation
- Do the hard job first
- Avoid being the office gossip first
- Respect yourself and others
- Culturally sensitive
- Maintain a workspace

Anakha A S	Rachel Richie	Phoney Paul	Anu
Sreekutti M.D	Arya M B	Jesma	Sandra Sabu
Ayisha Farheen	Agna Rose Raju	Femy Antony	Jm
Sheba Mariam P...	sabaha basheer	Devaprabha AB	jeevA111
Stephen Sunny	Sara S Mathew	Anna Joseph	Ann Mary Prince

Unmute | Start Video | Participants: 44 | Chat | Share Screen | Record | Reactions | Apps | Leave

Windows Taskbar: Type here to search | 26°C | 08:21 | 26-03-2022

Zoom Meeting | You are viewing DARLY's screen | View Options

Recording | DARLY is talking...

- Manage time
- List the company/institution first
- Top down self motivation
- Do the hard job first
- Avoid being the office gossip first
- Respect yourself and others
- Culturally sensitive
- Maintain a workspace

Arya M B	Jesma	Sandra Sabu	Ayisha Farheen
Agna Rose Raju	Femy Antony	Jm	Sheba Mariam P...
sabaha basheer	Devaprabha AB	jeevA111	Stephen Sunny
Sara S Mathew	Anna Joseph	Ann Mary Prince	Meghna Mohandas
Marilyn Paul	Soniya Paulson	Seba Sajan	Annpriya Anto

Unmute | Start Video | Participants: 45 | Chat | Share Screen | Record | Reactions | Apps | Leave

Windows Taskbar: Type here to search | 26°C | 08:21 | 26-03-2022

Recording You are viewing DARLY's screen View Options

Improving Relationship with Customers

Dr. Deepak Mathew D. K.
Asst Prof. & Head
ILFC, KVASU
Pookode

Unmute Start Video Participants 47 Chat Share Screens Record Reactions Apps Leave

Zoom Meeting Recording You are viewing DARLY's screen View Options

• "A customer is the most important visitor on our premises. He is not dependent on us, We are dependent on him. He is not an interruption in our work - he is the purpose of it. We are not doing him a favor by serving him. He is doing us a favor by giving us the opportunity to serve him."
- Mahatma Gandhi

Afreena K.R.	Afreena K.R.	DARLY	sandra
Abhishek Mathe...	Safa Nasreen S	P S Gayathri	Mariya Sunny
Abhishek Mathew Var...	Safa Nasreen S	P. S. Gayathri	Mariya Sunny
Ardra S	Dhanya E R	Kunju P	Rizwana Rinshad
Ashwathy	Parvathy	Carina Ann Tho...	Ansa Roy
Ashwathy	Parvathy	Carina Ann Thomas	Ansa Roy
Akshaya	NANDANA T N	Aswathy MR	Delna Davis
Akshaya	NANDANA T N	Aswathy MR	Delna Davis

Unmute Start Video Participants 46 Chat Share Screens Record Reactions Apps Leave

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Zoom Meeting You are viewing DARYL's screen View Options

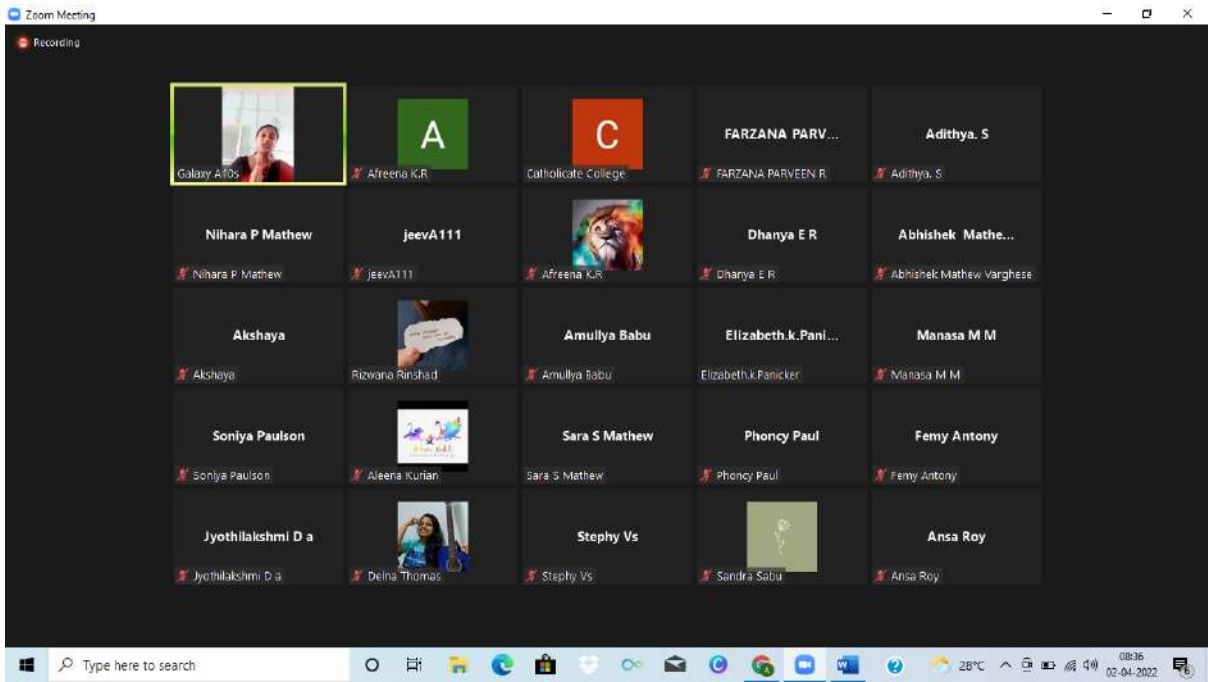
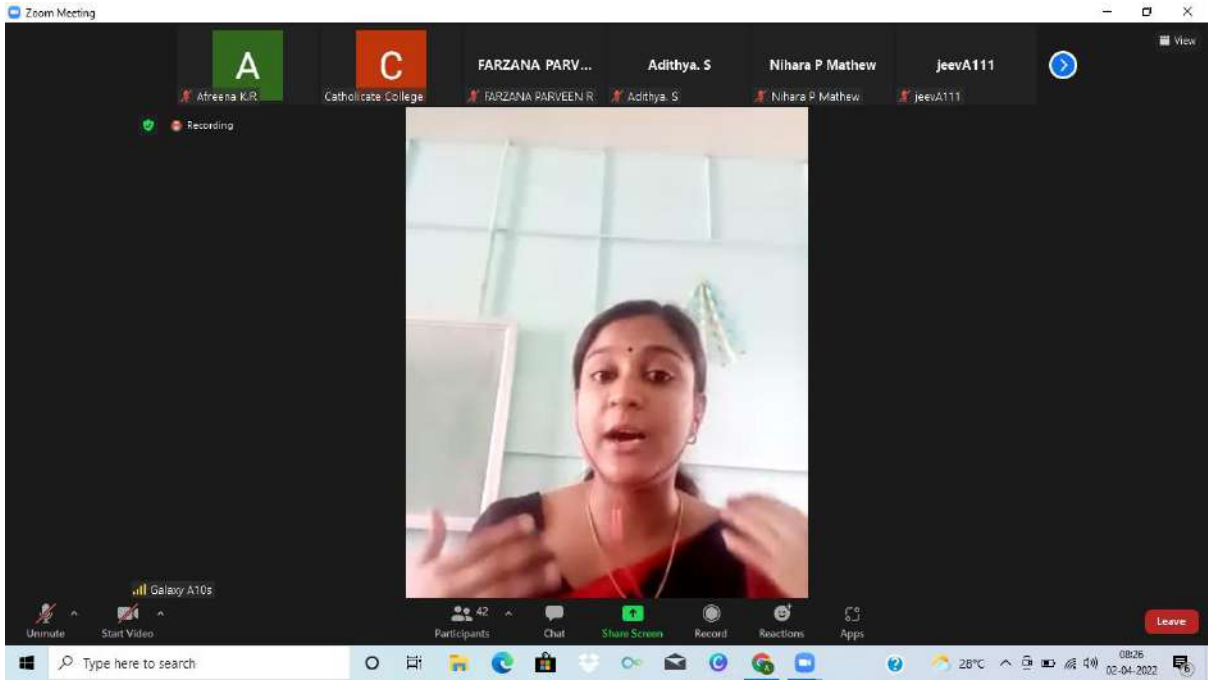
Recording DARYL is talking... View

- **Customer service -**
- Communication- smile, pleasant, calm, enthusiastic
- Listen- complaints- Active listening (attention), polite questions
- Ask questions- clarifications
- Exceed customer expectation- even when no transaction
- Provide service even without an immediate payoff
- Respond personally – frustrated customers

Agna Rose Raju Agna Rose Raju	Femy Antony Femy Antony	Jm Jm	Sheba Mariam P... Sheba Mariam Phillip
jeeva111 jeeva111	Sara S Mathew Sara S Mathew	Anna Joseph Anna Joseph	M Meghna Mohandas
M Marida Paul	Soniya Paulson Soniya Paulson	Muhsina Muski Muhsina Muski	Shiha.S Shiha.S
sabaha basheer sabaha basheer	Femin Femin	Nihara P Mathew Nihara P Mathew	Ann Mary Prince Ann Mary Prince
Ashifa abubacker Ashifa abubacker	Anakha AS Anakha AS	Nandana Nandana	Seba Sajan Seba Sajan

Unmute Start Video Participants 46 Chat Share Screen Record Reactions Apps Leave

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Zoom Meeting

Recording

View

	Galaxy A10s			
Alreena K.R.	Galaxy A10s	Catholicate College	Keerthana	Alreena K.R.
FARZANA PARV...	Adithya. S	Nihara P Mathew	JeevA111	Dhanya E R
FARZANA PARVEEN R.	Adithya. S	Nihara P Mathew	JeevA111	Dhanya E R.
Abhishek Mathe...		Amulya Babu	Elizabeth.k.Pani...	Manasa M M
Abhishek Mathew Varghese	Rizwana Rinshad	Amulya Babu	Elizabeth.k.Panicker	Manasa M M
Soniya Paulson	Sara S Mathew	Phoncy Paul	Femy Antony	Stephy Vs
Soniya Paulson	Sara S Mathew	Phoncy Paul	Femy Antony	Stephy Vs
Ansa Roy	Anakha A S		sabaha basheer	Ann Mary Prince
Ansa Roy	Anakha A S	Kunju P	sabaha basheer	Ann Mary Prince

Unmute Start Video Participants 41 Chat Share Screen Record Reactions Apps Leave

Type here to search

09:04 02-04-2022

Zoom Meeting

Recording

View

	Galaxy A10s		Keerthana	
Alreena K.R.	Galaxy A10s	Catholicate College	Keerthana	Alreena K.R.
	FARZANA PARV...	Adithya. S	Nihara P Mathew	JeevA111
Abhishek Mathew Varghese	FARZANA PARVEEN R.	Adithya. S	Nihara P Mathew	JeevA111
Dhanya E R		Amulya Babu	Elizabeth.k.Pani...	Manasa M M
Dhanya E R	Rizwana Rinshad	Amulya Babu	Elizabeth.k.Panicker	Manasa M M
Soniya Paulson	Sara S Mathew	Phoncy Paul	Femy Antony	Stephy Vs
Soniya Paulson	Sara S Mathew	Phoncy Paul	Femy Antony	Stephy Vs
Ansa Roy		sabaha basheer	Ann Mary Prince	
Ansa Roy	Kunju P	sabaha basheer	Ann Mary Prince	Hrudya M Sathiesh

Unmute Start Video Participants 42 Chat Share Screen Record Reactions Apps Leave

Type here to search

09:07 02-04-2022



AQAR 2020-21

HISTORY

Criterion III - RESEARCH, INNOVATIONS AND EXTENSION

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year

കേരള ശാസ്ത്ര സാഹിത്യ പരിഷത്ത് കൊടകര മേഖല

Certificate of collaboration

Department of History, Sacred Heart College, Chalakudy in association with Kendra Shastra Sahitya Parishad, with the intention of conservation of megalithic site at Muniyattukunnu has organised awareness programmes for the public and experts in the field were arranged for the same. These awareness programmes definitely had motivated the students and public and made them realize the need of conservation of historical monuments




സെക്രട്ടറി
കൊടകര ശാസ്ത്ര സാഹിത്യ പരിഷത്ത്
കൊടകര മേഖല

2019 -2020

Protection of heritage site at Muniyattukunnu

The activities of quarry mafia in Muniyattukunnu led to the destruction of megalithic site in Muniyattukunnu. In order to protect and preserve the megalithic site of the area our department with the help of Muniyattukunnu Samrakshana Samiti and Kerala Shastra Sahitya Parishath jointly organized programme of one day seminar to create awareness among the natives about the need to protect such heritage areas. The students of the department actively participated in the programme and visited the site.



Sl. No	Students list	Class
1	Nimya T J	II DC
2	Surya A R	II DC
3	Amala Davis	II DC
4	Anisha K A	II DC
5	Anjali Joseph	II DC
6	Anjana T	II DC
7	Ardra Ramachandran	II DC
8	Ardra Devi	II DC
9	Arunima T S	II DC
10	Arya Das P D	II DC
11	Jaina C J	II DC
12	Jismi Biju	II DC
13	Jismi K V	II DC

14	Jumiya Jose	II DC
15	Keerthana C Anto	II DC
16	Krishnendu E Unnikrishnan	II DC
17	Athulya n.s	I DC
18	Krishna priya sivan	I DC
19	Pilli rani	I DC
20	Sujitha raj	I DC
21	Aleena jose	I DC
22	Aleena n j	I DC
23	Asha chandran	I DC
24	Ashna mol v.s	I DC
25	Feena franci	I DC
26	Geethu kunnath	I DC
27	Henna mariya	I DC
28	Jeeva jayan	I DC
29	Krishna shanil	I DC
30	Lakshmi priya p.v.	I DC
31	Melvi thomas	I DC
32	Niya babu	I DC
33	Raji ramakrishnan	I DC
34	Roshna k m	I DC
35	Roshna k r	I DC
36	Sandra k shaju	I DC
37	Smrithy santhosh	I DC
38	Sona k r	I DC



AQAR 2020-21

MATHEMATICS

**Criterion III - RESEARCH,
INNOVATIONS AND EXTENSION**

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year



Office: 91+487 2360748
Principal: 09495226899
Fax 91+487 2362365
Resi. 91+487 2360944

ST. ALOYSIUS COLLEGE

(Affiliated to the University of Calicut & aided by the Govt. of Kerala)

P.O. ELTHURUTH - 680 611

THRISSUR DT., KERALA.

www.aloysius.in

19 November, 2020

To

The Principal
Sacred Heart College,
Chalakkudy, Thrissur.

Dear Sir/Madam

Sub: Request to avail online classes – regarding

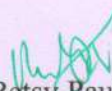
Ref: 1) B2/16384/2020/DCE
2) D2/19240/2020/DCE

As per the order cited in the Ref., the HoD/Principal of a College should seek the availability of online classes from the nearby Colleges in the absence of sufficient permanent teachers in the Dept. concerned. The workload of Department of Mathematics, St. Aloysius College, Elthuruth, Thrissur is 93 hours (for BSc Mathematics and MSc Mathematics courses) and currently there are only two permanent teachers in the Department, and it is very difficult for them to handle the entire workload within the stipulated time given by the University of Calicut. Hence, I request you to kindly give us a reply about the teachers and their subjects (from the subjects listed in enclosure (i)) of your esteemed institution, who are ready to share their classes for BSc and MSc Mathematics students of St. Aloysius College, Elthuruth, Thrissur. Kindly do the needful in this regard and give us a reply (in written or via email) as early as possible.

Thanking you in anticipation,

Yours truly,




Dr. Betsy Paul C
Principal Incharge

Encl: (i). List of subjects in which online classes are required.
(ii). 1) B2/16384/2020/DCE
2) D2/19240/2020/DCE


Enclosure (i)

List of subjects in which online classes are required.

BSc Mathematics - Main & Complementary	
Sl. No	Subject
1	Complementary (1st Semester UG) (for BSc Physics & BSc Chemistry)
2	Complementary (4 th Semester UG) (for BSc Physics & BSc Chemistry)
3	Numerical Methods (6 th Semester UG)
4	Real Analysis (6 th Semester UG)
5	Elective (6 th Semester UG)

MSc Mathematics	
Sl. No	Subject
1	Linear Algebra (1st Semester PG)
2	Number Theory (1st Semester PG)
3	Discrete Mathematics (1st Semester PG)
4	Advanced Functional analysis (4 th Semester PG)
5	Elective 1 (4 th Semester PG)
6	Elective 2 (4 th Semester PG)
7	Elective 3 (4 th Semester PG)




Dr. BETSY PAUL C
Associate Professor in Charge
ST. ALOYSIUS COLLEGE
ELTHURUTH P.O., PIN: 680 611
THRISSUR-DT

4470
AS

ഭരണഭാഷ മാത്രഭാഷ

02/19240/2020/DCE

കോളേജ് വിദ്യാഭ്യാസ ഡയറക്ടറുടെ
കാര്യാലയം, വികാസ് ഭവൻ,
തിരുവനന്തപുരം
തീയതി: 19.08.2020

പ്രേഷകൻ

കോളേജ് വിദ്യാഭ്യാസ ഡയറക്ടർ

സ്വീകർത്താവ്

ഡെപ്യൂട്ടി ഡയറക്ടർ,
കൊല്ലം/ കോട്ടയം/ എറണാകുളം/ തൃശ്ശൂർ/ കോഴിക്കോട്.

സർ,

വിഷയം:- കോളേജ് വിദ്യാഭ്യാസ വകുപ്പ് - സ്വകാര്യ എയ്ഡഡ് കോളേജുകൾ -
അതിഥി അദ്ധ്യാപക നിയമനം - സംബന്ധിച്ച്.

- സൂചന:- 1) 26/ 06/ 2020 - ലെ A 1/ 540/ 2020/ DCEDDKKD നമ്പരയുള്ള
കോഴിക്കോട്, ഡെപ്യൂട്ടി ഡയറക്ടറുടെ കത്ത്.
2) 08/ 06/ 2020 - ലെ B 2/ 16384/ 2020/ DCE നമ്പരയുള്ള പരിപത്രം.
3) 29/ 05/ 2020 - ലെ G 2/ 14962/ 2020 /DCE നമ്പരയുള്ള പരിപത്രം.

കോളേജ് വിദ്യാഭ്യാസ വകുപ്പിന്റെ കീഴിലുള്ള കോളേജുകളിലെ അതിഥി അദ്ധ്യാപക നിയമനവുമായി ബന്ധപ്പെട്ട് സൂചന (2) പ്രകാരം കോളേജ് വിദ്യാഭ്യാസ ഡയറക്ടർ പുറപ്പെടുവിച്ചിട്ടുള്ള പരിപത്രം ടി. വകുപ്പിന് കീഴിലുള്ള എല്ലാ എയ്ഡഡ് കോളേജുകൾക്കും ബാധകമാണെന്നും, ക്ലാസ്സുകളുടെ പ്രവേശനം സൂചന (3) പരിപത്ര പ്രകാരമായിരിക്കണമെന്നുള്ള വിവരം അന്യരുടെ അധികാര പരിധിയിലുള്ള എല്ലാ കോളേജ് പ്രിൻസിപ്പാൾമാരെ പരിപത്രം മുഖേനെ അറിയിക്കുന്നതിനുള്ള നടപടി സ്വീകരിക്കണമെന്നറിയിക്കുന്നു.

ഉള്ളടക്കം :- സൂചന (2), (3) - ന്റെ പകർപ്പ്.

Approval Valid

Digitally Approved By

ഡോ.ബി.ഉണ്ണികൃഷ്ണൻ നായർ

Date: 19.08.2020

Reason: Approved

വിശ്വസ്യതയോടെ

ഒപ്പ്/-

ഡോ.ബി.ഉണ്ണികൃഷ്ണൻ നായർ

പ്രിൻസിപ്പാൾ ഇൻ ചാർജ് ഓഫ്

ഡെപ്യൂട്ടി ഡയറക്ടർ

കോളേജ് വിദ്യാഭ്യാസ ഡയറക്ടർക്കു

B2/16384/2020/DCE

കോളേജ് വിദ്യാഭ്യാസ ഡയറക്ടറുടെ
കാര്യാലയം, വികാസ് ഭവൻ,
തിരുവനന്തപുരം
തീയതി: 08.06.2020

പരിപത്രം

വിഷയം:- കോ.വി.വ. - ജീവനക്കാര്യം - കോവിഡ്-19 പശ്ചാത്തലത്തിൽ ഗവ. ആർട്സ് & സയൻസ്
കോളേജുകൾ , ഗവ. ട്രെയിനിങ് കോളേജുകൾ , ഗവ.മ്യൂസിക് കോളേജുകൾ , ഗവ.സംസ്കൃത
കോളേജുകൾ - ലെ ഗസ്റ്റ് അദ്ധ്യാപക നിയമനം -മാർഗ്ഗ നിർദ്ദേശങ്ങൾ -സംബന്ധിച്ച്
സൂചന :- വിവിധ സ്ഥാപന മേധാവികളിൽ നിന്നും ലഭിച്ച കത്തുകൾ

കോവിഡ് -19 പകർച്ചവ്യാധിയുടെ പശ്ചാത്തലത്തിൽ ഈ വകുപ്പിന്റെ നിയന്ത്രണാധികാരത്തിലുള്ള സ്ഥാപനങ്ങളിൽ ഗസ്റ്റ് അദ്ധ്യാപകരുടെ നിയമനവുമായി ബന്ധപ്പെട്ട് ചുവടെ ചേർക്കുന്ന മാർഗ്ഗ നിർദ്ദേശങ്ങൾ കർശനമായി പാലിക്കണമെന്ന് നിർദ്ദേശിക്കുന്നു.

1). സ്ഥിരാദ്ധ്യാപകരില്ലാത്ത വിവിധ വിഷയങ്ങളിലെ വകുപ്പുകളിൽ നിലവിലുള്ള വർക്ക് ലോഡിന്റെയും വ്യവസ്ഥയുടെയും അടിസ്ഥാനത്തിൽ ഓൺലൈൻ ക്ലാസ്സുകളുടെ ക്രോഡീകരണത്തിനും മറ്റ് സ്ഥാപനങ്ങളിൽ നിന്നും സമാന വിഷയങ്ങളിലുള്ള ഓൺലൈൻ ക്ലാസ്സുകൾ വിദ്യാർത്ഥികൾക്ക് ലഭ്യമാക്കുന്ന പ്രവർത്തനങ്ങൾ ഏകോപിപ്പിക്കുന്നതിനും ഒരു ഗസ്റ്റ് അദ്ധ്യാപകനെ നിയമിക്കാവുന്നതാണ്.

2). സ്ഥിരാദ്ധ്യാപകർ വകുപ്പുകളിൽ ഉള്ളപക്ഷം ഗസ്റ്റ് അദ്ധ്യാപകരെ ടി സ്ഥാപനങ്ങളിൽ നിയമിക്കേണ്ടതില്ല . ഗസ്റ്റ് അദ്ധ്യാപകരുടെ അഭാവത്തിൽ ഉണ്ടാകുന്ന ക്ലാസ്സുകളുടെ നഷ്ടം പരിഹരിക്കുന്നതിനായി ഇതേ വിഷയത്തിൽ സമീപ കോളേജുകളിൽ നിന്നുള്ള ഓൺലൈൻ ക്ലാസ്സുകൾ വിദ്യാർത്ഥികൾക്ക് പ്രയോജനപ്പെടുത്തേണ്ടതാണ്. ഈ പ്രവർത്തനത്തിന്റെ ഏകോപന ചുമതല അതത് കോളേജുകളിലെ പ്രിൻസിപ്പാൾ / HOD മാരിൽ നിക്ഷിപ്തമാണ്. എന്നാൽ മറ്റ് കോളേജുകളിലെ ഓൺലൈൻ ക്ലാസ്സുകൾ ഷെയർ ചെയ്യാനാവാത്ത സാഹചര്യത്തിൽ അവശ്യ ഗസ്റ്റ് അദ്ധ്യാപകരെ അതാത് പ്രിൻസിപ്പാൾമാർക്ക് നിയമിക്കാവുന്നതാണ്.

3). വിവിധ വിഷയങ്ങളിൽ കൂടുതൽ ഗസ്റ്റ് അദ്ധ്യാപകരുടെ സേവനം അനിവാര്യമാകുന്നു പക്ഷം വകുപ്പിന്റെ പ്രത്യേക അനുമതിയോടെ മാത്രം നിയമിക്കാവുന്നതാണ്.

4). കോവിഡ് പശ്ചാത്തലത്തിൽ ആണ് ഗസ്റ്റ് അദ്ധ്യാപക ഇന്റർവ്യൂ നടത്തേണ്ടതെന്നാൽ സുരക്ഷാ മാനദണ്ഡങ്ങൾ കർശനമായി പാലിച്ചിരിക്കണം.

5). ഈ നിയന്ത്രണങ്ങൾ ഓൺലൈൻ ക്ലാസ് സംവിധാനം മാറി റെഗുലർ ക്ലാസ് സംവിധാനം പുനഃസ്ഥാപിക്കുന്നതുവരെ മാത്രമായിരിക്കും.

Approval Valid

Digitally Approved By
വിശേഷാരി വി ഐ.എ.എസ്സ്
Date: 08.06.2020
Reason: Approved



ഒപ്പ്/-
വിശേഷാരി വി ഐ.എ.എസ്സ്
കോളേജ് വിദ്യാഭ്യാസ ഡയറക്ടർ

പകർപ്പ്:-

- 1). എല്ലാ സ്ഥാപന മേധാവികൾക്കും
- 2). ഡയറക്ടർ / അഡീഷണൽ ഡയറക്ടർ /ഡെപ്യൂട്ടി ഡയറക്ടർ /സീനിയർ എ ഒ -മാരുടെ സി.എ-മാർക്ക്
- 3). കരുതൽ ഫയൽ / നടപ്പ് ഫയൽ

II Msc 2020-21 St Aloysius College Elthuruth, Thrissur

Students details

1. Adhithya S Kumar
2. Ann Rima Paul
3. Disna Jose k
4. Diya Jose
5. Flinda George
6. Harsha Pradeepkumar
7. Jibimol James
8. Megha Benny
9. Neha Grace
- 10.Sineesha Sukumaran
- 11.Swetha Subramanian
- 12.Teresa Joseph

Teachers



smitha davis

Students

12 students



Actions ▾



Adhithya S Kumar



Ann Rima Paul



Disna Jose k



Diya Jose





AQAR 2020-21

CHEMISTRY

**Criterion III - RESEARCH,
INNOVATIONS AND EXTENSION**

SUB CRITERION - 3.5.1 - Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year



**KERALA AGRICULTURAL UNIVERSITY
AGRONOMIC RESEARCH STATION
CHALAKUDY, THRISSUR – 680 307**

Phone: 0480 - 2702116
E-mail: arschalakudy@kau.in

Date: 6th January, 2021

I am happy to express our deepest gratitude to the Department of Chemistry, Sacred Heart College, Chalakudy for collaborating with us for various programs conducted at Agronomic Research Station, Chalakudy and also at Sacred Heart College, Chalakudy. We have been collaborating with them for the last 5 years to conduct various Seminars, webinars, 'World Soil Day' Celebrations, etc. The Staff and Students of the department of Chemistry are actively participating in all the programs and I value their commitment to the society.

I wish them all the best for all their future endeavors.




Dr. Mini Abraham

Professor & Head
Agronomic Research Station
Chalakudy - 680307



AQAR 2020-21

CRITERION 3

COMPUTER SCIENCE

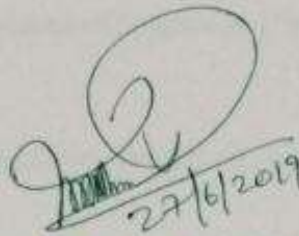
SUB CRITERION - **3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship during the year**

CERTIFICATE

This is to certify that the project report entitled **PRIVACY PRESERVING FRIEND MATCHING** submitted by **ANJANA JOSE (SHARMCS002)** to University of Calicut for the award of the degree of Master of Science (M.Sc.) in Computer Science is a bonafide record of the project work carried out by her under my supervision and guidance. The content of the report, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma.



Ms. Sindhu Thekkeppalle
Assistant Professor



Dr. Mini T V, MCA, MPhil, PhD.
HOD, Dept. of Computer Science
Sacred Heart College
Chalakydy - 680 307

Dr. Sr. Mini T.V
Head of Department

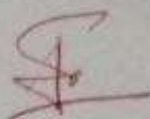

Department of Computer Science
Sacred Heart College Chalakydy

Place : Chalakydy

Date : 02-07-2019

Certified that the candidate was examined by us in the Project Viva Voce Examination held on 02-07-2019 and her Register Number is SHARMCS002

Examiners:

1. Jayakrishnan S 
2. MAXWELL A.K 





CERTIFICATE

This is to certify that **Ms. ANJANA JOSE (Reg. No: SHARMCS002)** Master of Science in Computer science IV semester student of **SACRED HEART COLLEGE CHALAKUDY** affiliated to Calicut University, has done project work entitled "**PRIVACY PRESERVING FRIEND MATCHING**" in PYTHON under the guidance of our senior faculties towards the fulfillment of the award of "Master of Science in Computer science" during the period of March 2019 to June 2019.

She successfully completed the project and during the period she was methodical and hardworking.

Date: 25/06/2019

For **RISS TECHNOLOGIES**

Chief Executive Officer





CYBERZS SOFT SOLUTIONS

Capital Tower, Karukutty P.O. Ernakulam Dist, Kerala
Ph : 91- 484 - 6565656, 6565657 Mob : 09846807730
E-mail : cyberzsoftsolutions@gmail.com

TO WHOM SOEVER IT MAY CONCERN

Dear Sir/Madam,

This is to certify that **Miss Farsana MJ**(regno:SHARMCS007) final year M.Sc. Computer student of Sacred Heart College Chalakudy, Thrissur designed and developed website in ASP.NET 2012 and SQL Server 2008 titled "DIGIJEWEL" in our organization.

She exercised her project from April 1st 2019 to May 31st 2019 and the results are good. During this period she was found to be sincere and hardworking.



Apple Bees

11 B, Ramanilayam Shopping Complex, Chembukavu, Thrissur- 680 020
Mob : 9961922246, 8075515298
alenluiz@gmail.com, applebeecomputers@gmail.com



Ref:

Date...25.06.2019

TO WHOM SOEVER IT MAY CONCERN

Dear Sir/Madam,

This is to certify that **Miss Athira KV(regno:SHARMCS004)** final year M.Sc. Computer student of Sacred Heart College Chalakudy, Thrissur designed and developed website in ASP.NET 2012 and SQL Server 2008 titled "**DRONE_R**" in our organization. She exercised her project from April 1st 2019 to May 31st 2019 and the results are good. During this period she was found to be sincere and hardworking.





CERTIFICATE

This is to certify that **Ms. ELSA JOY (Reg. No: SHARMCS006)** Master of Science in Computer science IV semester student of **SACRED HEART COLLEGE CHALAKUDY** affiliated to Calicut University, has done project work entitled **"PERMISSION ABUSE CHECKING SYSTEM"** in PYTHON under the guidance of our senior faculties towards the fulfillment of the award of "Master of Science in Computer science" during the period of March 2019 to June 2019.

She successfully completed the project and during the period she was methodical and hardworking.

Date: 25/06/2019

For RISS TECHNOLOGIES


Chief Executive Officer



To whomever it may concern

This is to certify that Ms. Aida Simethy (Reg: SHARMCS001) studying MSc Computer Science at Sacred Heart College, Chalakudy had successfully completed her python project on "ROAD LANE DETECTION AND TRACKING WITH VEHICLE DETECTION" in our concern 17th March 2019 to 20th June 2019. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For RONICS LABZ,


Manager

June 20, 2019





CERTIFICATE

This is to certify that **Ms. SINI SEBASTIAN T (Reg. No: SHARMCS008)** Master of Science in Computer science IV semester student of **SACRED HEART COLLEGE CHALAKUDY** affiliated to Calicut University, has done project work entitled "**AN EFFICIENT ONLINE SHOPPING SYSTEM USING d2HUP ALGORITHM WITHOUT CANDIDATE GENERATION**" in PYTHON under the guidance of our senior faculties towards the fulfillment of the award of "Master of Science in Computer science" during the period of March 2019 to June 2019.

She successfully completed the project and during the period she was methodical and hardworking.

Date: 25/06/2019

For RISS TECHNOLOGIES

Chief Executive Officer



To whomever it may concern

This is to certify that Ms. Anjana Varghese (Reg: SHARMCS003) studying MSc Computer Science at Sacred Heart College,Chalakyady had successfully completed her python project on "SUPPORT VECTOR MACHINE CLASSIFICATION FROM MULTIPLE FEATURE EXTRACTIONS FOR DETECTION OF ALZHEIMER'S DISEASE" in our concern 17th March 2019 to 20th June 2019.She had applied the software engineering principles and proceeded systematically to achieve her target.We wish her all the best.

For RONICS LABZ,



Manager



June 20, 2019

To whomever it may concern

This is to certify that Ms. Cini K.S (Reg: SHARMCS005) studying MSc Computer Science at Sacred Heart College,Chalakydy had successfully completed her MATLAB project on "A ROBUST METHOD FOR MULTI-EXPOSURE IMAGE FUSION USING DEBLURRING AND STRUCTURAL PATCH DECOMPOSITION " in our concern 17th March 2019 to 20th June 2019.She had applied the software engineering principles and proceeded systematically to achieve her target.We wish her all the best.

For RONICS LABZ,


Manager




June 20, 2019

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Joicy Joy** (Reg. No: SHASMCS006), Master of Science in Computer Science, IV Semester student of SACRED HEART COLLEGE, CHALAKUDY, affiliated to Calicut University, has done project work entitled "**MEDICAL IMAGING USING OBJECT DETECTION ALGORITHM**" in Angular JS, under the guidance of our senior developers, towards the fulfillment of the award of "Master of Science in Computer Science" during the period of December 2019 to February 2020.

She successfully completed the project and during the period she was methodical and hardworking.


28 Feb 2020

Salvin Jose

Founder and CTO



Koratty

28th February 2020

MYSOFTNET

Technologies Private Limited

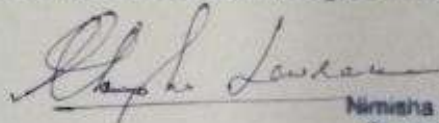
BONAFIDE CERTIFICATE

Date: 28-2-2020

This is to certify that **Ms. ASHA AJITH (Reg No: SHASMCS002)**, Msc Computer science, Student of Sacred heart College Chalakudy, has done Project on the topic "**HEALTH EXAMINATION RECORDS GRAPH BASED APPROACH**" using the technology java..

For a period of 2 Months (1/1/2020–28/2/2020) under the guidance of **Mr.Febin (Java Developer)** in our firm. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For MySoftNet Technologies Pvt Ltd

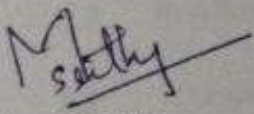


Nimisha K.L.
Director

Signature of the Authorized Person

7th March, 2020**TO WHOMSOEVER IT MAY CONCERN**

This is to certify that **Ms.Anju K V (Reg: SHASMCS001)** studying MSc Computer Science at Sacred Heart College, Chalakudy had successfully completed her Java project on "**Medical image mining using CBIR and SVM**" in our concern 1st January 2020 to 29th February 2020. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For **PROGRAMERS International**Sruthy Suresh
Project Manager – Cloud & E-Commerce

7th March, 2020

TO WHOMESOEVER IT MAY CONCERN

This is to certify that **Ms. Rashmi Anbu (Reg. SHASMC3010)** studying MSc Computer Science of Sacred Heart College, Chalakudy had successfully completed her Java project on **"Data Mining Approach for Determine Earthquake Probability"** in our concern 1st January 2020 to 29th February 2020. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For CyberSys India



Rashmi Rajan
Center Manager



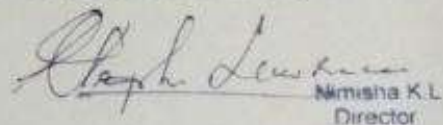
BONAFIDE CERTIFICATE

Date: 28-2-2020

This is to certify that **Ms. MERRIN BENNY (Reg No:SHASMCS009)**, Msc Computer science, Student of Sacred heart College Chalakudy, has done Project on the topic "**EXTRACTING TOP COMPETITORS FROM UNORGANIZED DATASET**" using the technology java..

For a period of 2 Months (1/1/2020–28/2/2020) under the guidance of Mr.Febin (**Java Developer**) in our firm. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For MySoftNet Technologies Pvt Ltd



Nimisha K.L.
Director

Signature of the Authorized Person

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Juhina P J (Reg: SHASMCS007)** studying MSc Computer Science at Sacred Heart College, Chalakudy had successfully completed her Java project on "**Application of Support vector machine in thyroid prediction**" in our concern 1st January 2020 to 29th February 2020. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For **PROGRAMERS International**

M. Sruthy

Sruthy Suresh
Manager




7th March, 2020

codepoint SOFTWARES PVT. LTD.

TO WHOMSOEVER IT MAY CONCERN

This is to inform that Ms. Athira Unnikrishnan (Reg.No:SHASME5003) Final year MSc. Computer Science student of Sacred Heart College, Chalakudy affiliated to University of Calicut undergoing her academic project titled "Analysis of machine learning algorithm for breast cancer mass prediction" in MACHINE LEARNING technology for our client CODEPOINT Softwares Pvt.Ltd. from 01 Jan 2020


PROJECT COORDINATOR

Chinju P Varghese

CODEPOINT Softwares Pvt.Ltd



07-MARCH-2020

KOCHI



RankBrainy
Chalaky

To whomever it may concern

This is to certify that Ms. Julie AA (Reg: SHASMCS008) studying MSc. Computer Science at Sacred Heart College, Chalaky had successfully completed her Python Machine Learning Project on the topic 'InstaSort'. In our concern 1st January 2020 to 29th February 2020. She had applied software engineering principles and proceeded systematically to achieve here target. We wish her all the best.

For RankBrainy


Manager



February 29, 2020

TO WHOMSOEVER IT MAY CONCERN

This is to inform that Ms. Jacquelin Tom (Reg.No:SHASMCS005) Final year MSc. Computer Science student of Sacred Heart College, Chalakudy affiliated to University of Calicut, undergoing her academic project titled "STOCK MARKETING ANALYSIS" in MACHINE LEARNING technology for our client CODEPOINT Softwares Pvt.Ltd. from 01-Jan-2020


PROJECT COORDINATOR

Chinju P Varghese

CODEPOINT Softwares Pvt.Ltd



07-MARCH-2020

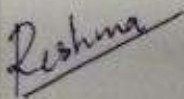
KOCHI

7th March, 2020

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Haritha k k (Reg. SHASMCS004)** studying MSc Computer Science at Sacred Heart College, Chalakudy had successfully completed her Java project on "**Rainfall monitoring using ARTMMR** " in our concern 1st January 2020 to 29th February 2020. She had applied the software engineering principles and proceeded systematically to achieve her target. We wish her all the best.

For **Cybersys India**



Reshma Rajan
Center Manager





An ISO 9001:2015 Certified Company



March 17, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that ROSEMARIYA JOY (REG NO: SHATMCS007) 4th semester MSC Computer Science student of SACRED HEART COLLEGE, CHALAKUDY has successfully completed a project titled "IMAGE ENHANCEMENT WITH A DEEP RESIDUAL FRAMEWORK AND ULAP" from our organization.

The duration of the project was for 6 months. The Project was incorporated in PYTHON and was implemented successfully.

Thanking you,

For LCC Computer Education

T.S. Ramaswamy
Director





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LCC
Computer Education

March 17, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that JICKY JIM (REG NO: SHATMCS005) 4th semester MSC Computer Science student of SACRED HEART COLLEGE, CHALAKUDY has successfully completed a project titled "SKIN LESION ANALYSIS TOWARDS MELANOMA DETECTON USING ONE - VS - ALL ALGORITHM" from our organization.

The duration of the project was for 6 months. The Project was incorporated in PYTHON and was implemented successfully.

Thanking you,

For LCC Computer Education

T.S. Ramaswamy
Director





An ISO 9001:2015 Certified Company



March 17, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that AISWARYA .V.V (REG NO: SHATMCS001) 4th semester MSC Computer Science student of SACRED HEART COLLEGE, CHALAKUDY has successfully completed a project titled "REDUCTION OF BAD WORDS ON SOCIAL MEDIA (HONOR CLOUD) USING NLP" from our organization.

The duration of the project was for 6 months. The Project was incorporated in PYTHON and was implemented successfully.

Thanking you,

For LCC Computer Education

T.S. Ramaswamy
Director





CSEED

Centre for
Skill Enhancement &
Employability Development



An affiliate of National Council for Technology and Training -
An autonomous organization recognized by Govt of India - NCT

CSD/524/2021

15 April 2021

CERTIFICATE

This is to certify that **Ms. Soniya Davis (Reg SHATMCS008)**, student of MSc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic '**Fighting against covid-19: A comparative study of deep learning and machine learning algorithms for Face Mask Detection**', held at **Centre for Skill Enhancement & Employability Development (CSEED)** from **January 2021 to March 2021**. As per our measurement, the candidate was excellent during the training period.



Lakshmi Geetha

LAKSHMI GEETHA
MANAGER



CSEED

Centre for
Skill Enhancement &
Employability Development



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An autonomous organization recognized by Govt of India - NCT

CSD/523/2021

15 April 2021

CERTIFICATE

This is to certify that **Ms. Archana Venugopal (Reg. SHATMCS003)**, student of MSc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic '**Speech emotion recognition using deep learning**', held at **Centre for Skill Enhancement & Employability Development (CSEED)** from **January 2021 to March 2021**. As per our measurement, the candidate was excellent during the training period.



Lakshmi Geetha

LAKSHMI GEETHA
MANAGER



An ISO 9001:2015 Certified Company

LCC
Computer Education

March 17, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **NIMMY .T.J (REG NO: SHATMCS006)** 4th semester MSC Computer Science student of **SACRED HEART COLLEGE, CHALAKUDY** has successfully completed a project titled "**DETECTION OF PHISHING EMAIL USING CYBERSPY**" from our organization.

The duration of the project was for 6 months. The Project was incorporated in **PYTHON** and was implemented successfully.

Thanking you,

For LCC Computer Education

T.S. Ramaswamy
Director





An ISO 9001:2015 Certified Company



March 17, 2021

TO WHOM SO EVER IT MAY CONCERN

This is to certify that ANAIDA .C.S (REG NO: SHATMCS002) 4th semester MSC Computer Science student of SACRED HEART COLLEGE, CHALAKUDY has successfully completed a project titled "COMPARISON OF EDGE PRESERVING IMAGE SMOOTHING ARCHITECTURAL MODELS" from our organization.

The duration of the project was for 6 months. The Project was incorporated in PYTHON and was implemented successfully.

Thanking you,

For LCC Computer Education

T.S. Ramaswamy
Director





CSEED

Centre for
Skill Enhancement &
Employability Development



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CSD/526/2021

15 April 2021

CERTIFICATE

This is to certify that **Ms. Dhriya Preman (Reg SHATMCS004)**, student of MSc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic '**Analysis of SVM and Random Forest using drowsiness detection**', held at **Centre for Skill Enhancement & Employability Development (CSEED)** from **January 2021 to March 2021**. As per our measurement, the candidate was excellent during the training period.



LAKSHMI GEETHA

MANAGER



CSEED

Centre for
Skill Enhancement &
Employability Development



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CSD/525/2021

15 April 2021

CERTIFICATE

This is to certify that **Ms. Vismaya Vikraman (Reg SHATMCS009)**, student of MSc. Computer Science, Sacred Heart College, Chalakkudy has successfully completed the project training on topic '**Vehicle helmet detection from videos based on YOLO V3**', held at Centre for Skill Enhancement & Employability Development (CSEED) from **January 2021 to March 2021**. As per our measurement, the candidate was excellent during the training period.



LAKSHMI GEETHA

MANAGER