



# BISHOP CHULAPARAMBIL MEMORIAL COLLEGE, KOTTAYAM



## ANNUAL REPORT

ACADEMIC YEAR 2020-21

## **College Report 2020 - 2021**

The College was established in the year 1955 by Mar Thomas Tharayil, who made the visionary zeal of his predecessor Bishop Chulaparambil a reality and liberated the women of South India from the patriarchal mores of the then society by establishing a college for the young women of the Knanaya Catholic community.

If the decades before had been about Bishop Chulaparambil Memorial College empowering girl students, 2020, the last year of the decade has produced liberated young women, no longer hesitant to speak up for their rights and fully ready to go that extra mile for themselves, their Alma Mater, their families and for the larger world. On the sixty fifth annual day, we can proudly claim that we have brought in changes within the teaching-learning activities with Outcome Based Education, a student-centric method.

The college reopened after summer vacation on 1<sup>st</sup> June 2020. The total strength of the college is 1764 students. There are 34 permanent teachers, 25 guest faculty, 30 unaided teachers and 15 non-teaching staffs. We have 16 UG programmes and 8 PG Programmes.

Government of Kerala has sanctioned 2 crore rupees under Rashtriya Uchchatar Shiksha Abhiyan (RUSA) during 2018-19 and releasing the amount in instalments. So far we received 1 crore rupees from RUSA till now. The renovation work proposed under the project is almost finished. The college has renovated the College canteen with a facelift, renovated the roofings of the College auditorium, renovated the roofings of History/Economics Block under the project. New toilets with modern facility were added and a disabled friendly toilet is also constructed under the project. The tender process for installation of another 20KW solar power plant and rewiring of 12 rooms in 3 floors is also in the final phase. The only construction under the project – Extension of the UGC sponsored Women's Hostel is also started and expected to be completed in 6 months.

During the last year college has received concurrence from the Government for the appointment of three posts in English and a post in Economics. The process of appointment is underway.

#### New Appointment of Non-Teaching Staff

5 office attendants- Office Attendants

- Shintumol Shaji
- Taniya Kuruvilla
- Priyanka Jomon
- Chinchu Philip
- Jithin John

And 1 Electrician and Mechanic

- Tom Simon

LAN facility was provided in all classrooms from 1<sup>st</sup> June 2020 so that online teaching can be done efficiently & smoothly

An Online Teaching Collaborate was done towards the end of May to equip all teachers with the know-how needed to conduct online teaching

#### **ADIEU**

The College Principal and two non teaching staff are retiring this year. Myself, Dr. Teena Annah Thomas, The Principal, Head Accountant Mrs Jeeja Joseph, and Mrs.Ancy T.U , Library Assistant retires from their service.

#### **The Management and Governing body**

His Grace Mar Mathew Moolakatt is the patron of our college. Mar Joseph Pandarasseril, the Chairman of the governing body, Very Rev. Fr. Michael Vettickat, Vicar General, Rev. Fr. Alex Akkaparambil, our beloved Manager and Fr. PhilmonKalathra, the

Secretary of the Corporate Educational Agency of colleges and experienced, eminent academicians and administrators of the governing body contribute much to the development of the college.

## **IQAC**

An Internal Quality Assurance Cell functions in the college based on the recommendations given by National Assessment and Accreditation Council. The IQAC is responsible for the quality related initiatives of the institution including optimisation and integration of modern method of teaching, learning and evaluation. Teacher evaluation is also conducted by the IQAC. Each year the best outgoing student is selected and awarded as part of recognising achievers among students by the IQAC. Dr. Stephy Thomas is the co-ordinator of IQAC. Quality Initiatives conducted by IQAC include

1. Virtual Induction Programme
2. Chat with Experts held on 18.8.2020 at 2.00 pm
3. Measurement and Attainment of CO and PO
4. International Webinars
5. Research Methodology Workshops
6. New Programmes For M.Sc. Statistics with Data Science
7. Virtual Open Days
8. International Conference
9. NEP Webinar

## **PTA**

Parent Teacher Association is very supportive in discussing students' problems and arranging programmes for both parents and students. PTA Executive Meeting was conducted

on November 13th 2020. The office bearers of PTA Committee are:

1. President : Dr. Teena Annah Thomas
2. Vice President : Neeta Natraj
3. Secretary: Dr. Naveena J Narithookil
4. Joint Secretary : Roosha P Kamar
5. Treasurer : Mrs. Ann Johns

In the executive committee conducted on 25th November 2020, it was decided to release a part of the PTA fund towards appointing the Guest Lecturers during the month of December to tackle the shortage of teaching staff.

### **College Union- VAAMIKA**

The College Union is the representative student body which provides a forum at the campus for all students to participate in the development and implementation of the Vision and Mission of the college, to impart training in leadership, to encourage students to help communities respond rightly to disasters and to focus on rebuilding themselves and those around during recovery. The main objective of the College Union is to enlighten the students about their duties, rights and responsibilities as young women citizens, to promote opportunities for the development of their character, knowledge, creativity, environmental awareness and spirit of humanitarian service, to organize debates, seminars, workshops, and to foster sports, arts and cultural talents. This includes organising programmes in college like College Arts Fest and raising awareness about contemporary regional and national issues. Its term is for one year. The College Union has a Constitution prescribed by the Syndicate of Mahatma Gandhi University. It functions under the guidance of Staff Advisors. College Union is represented at the University by two Councillors who can take part in an election to gain representation at the University Union.

Due to the onset of covid19, college union elections were not conducted and last year's union members continue in their respective posts. A one week long Onam celebration, "Onavillu" was conducted online with much fervour and enthusiasm. Competitions such as 'Onakuutte', 'onam sandesham', 'onapattu', 'athapookalam' and 'onam kavitha' were conducted online from 25 August to 31 August 2020. On December 16, as part of Christmas celebrations, Vaamika conducted a carol competition, "X'mas Bash'. The college received an award and certificate for donating hair to cancer patients in the 19th free wig distribution programme at Amala Hospital, Thrissur on 28th November 2020. For the CM@ CAMPUS programme, an interactive programme with the Chief Minister, held at Mahatma Gandhi University at 11 am on 4th February 2021, Gayathri P. K, II DC English Model 1 represented our college. She received a memento and a certificate for participation. The arts and literary fest, "Chalanangal 2.0" was conducted online on 19th and 20th March 2021.

**VAAMIKA Union Advisors:** Dr.Neethu Varghese, Mr.Anil Steephen , Ms. Suman Abraham

**Union Members:**

Chair Person	Merin Paul
Vice Chairperson	Nija George
General Secretary	Mumthas P. A
University Union Councillors	Anitta Bijo, Tony Thomas
5.Arts Club Secretary	Athira Sekhar
6.Magazine Editor	Ann Mary Bernard
7.II DC Representative	Sharimol P Irshad
8.I DC Representative	Swekha Sara Jacob

## **BCM BEAMS 2020-2021**

Twenty second annual meeting of BCM BEAMS was held on 2nd October,2020 on a global platform. 2020 was a challenging year. Still, the alumnae of BCM College got together online to spread cheer and declare their solidarity with their alma mater. The 2.7 K views of our alumnae programmes on October 2nd is a testimony for the fact that our former students have always kept BCM close to their hearts.BCM BEAMS conducted an art exhibition in the college auditorium on 16th and 17th March 2021 in the college auditorium in association with NSS unit, EBSB and ED clubs of the college.The chieft exhibitors were His Excellency Ghevarghese Mar Ephrem (Auxiliary Bishop of Archeparchy of Kottayam, Prof. Mary RemaniTharayil (Retired Principal), Prof. Grace Makil(Retired Professor) , Prof. Geetha G (Retired Professor). Ms. VinayaBoben (2005 batch),Ms. Anju Pillai (1994 batch).This art exhibition received an overwhelming response from the audience and was well covered by the leading newspapers as well as social media.

## **Alumni Achievement**

Dr Nithya Mariam John, our Faculty from English Department published two books titled Poetry Soup (2021) and Ruminations & Reflections: a Pinch of Poetry and Perspectives (2020). A few of her poems were translated into Odia and Malayalam.

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## **NCC**

The NCC unit of BCM College serves under 5 Kerala Girls Battalion, Changanasserry since May 20, 2013. NCC organises and takes part in various programmes related to environmental concerns, socially relevant issues and events that aim for the betterment of humanity. All the programmes and tasks were conducted alongside the Academic session amidst the Pandemic. Various quarantine tasks were conducted like, Cook your favorite dish, Rain water harvesting, Plant a hope for future, Physical fitness with mom, Micro farming, Cloth craft,

Paper bag making and other similar tasks. During the locked period due to Covid-19 pandemic, the cadets of BCM College NCC Unit had helped the labour department by collecting the details of migrant labourers in Kottayam. Good personal hygiene is important for both health and social workers and encouraged hygiene practices. On 10 th April 2020,the cadets of BCM College NCC unit made a video presentation as a Covid-19 message. On 18 th April, 2020,the cadets of BCM College NCC unit presented an awareness video about safety measures against Covid-19. As a tribute to the doctors for their selfless services, an online poster designing competition was organised by the BCM College NCC unit on 4th July, 2020-National doctors day. On commemorating the Kargil war of 1999,an informational and motivative session with Flt. Lt SreevidhyaRajan was organised by BCM College NCC Unit. On July 27,2020,during the pandemic time of covid-19 ,BCM College NCC unit conducted an online program to make our students aware about Kargil Vijay Diwas. As a part of commemorating the Hiroshima and Nagasaki day, an intercollegiate online quiz competition was conducted on 6th August 2020. On 15 th August, 2020,the cadets of BCM College NCC unit celebrated Independence Day, under the guidance of ANO Lt. Dr. Reeja PS. There was active participation of cadets in the Independence Day parade. On 26 th August 2020,the BCM College NCC organised a State level webinar on the topic-‘Cycling for Health and Fitness’.The resource person was Mebin Binoy, the cycling coach and Kerala State Sports Council Member. Also, On 21 st September, 2020,the cadets of BCM College NCC unit conducted a blog writing competition on the basis of the relevance of non violence. District Legal Service Society, in association with BCM College NCC Unit conducted an informative webinar on 2 nd October, 2020 on the topic –‘Fundamental duties’.The grand webinar was addressed by G Gopakumar, Additional District and Sessions Judge, Kottayam. Various competitions were also conducted like painting competition, film review competition, quiz competition etc. On 26 th December ,2020,a video based on the life and hardship of our



soldiers was made as a small Christmas gift for them by BCM College NCC unit. In association with the SwachhathaPakhwada campaign BCM College NCC Unit under the leadership of Lt Dr.Reeja PS, ANO BCM College Kottayam and UO Ashika Anna Sabu, cadets undertook different activities to make awareness to the people about to what extent cleanliness plays role in our daily lives. Webinars and clean drives were also conducted on behalf of NCC. As a part of bringing up a perfect NCC cadet in us, a three day and five day cadre was organised for the B and C certificate cadets respectively from 24 th February 2021. As a part of the new venture 'BCM COLLEGE NCC UNIT BLOOD CELL', about 7 cadets participated in the blood donation camp on 17 th March, 2021 at the Kottayam District Hospital.

## **WOMEN'S CELL**

The members of this year's Women's Cell consist of Ms. Ponnu Liz Malieckal, Dr.Reeja P.S and Ms. Divya S. This year's programmes were started with a webinar by Psychologist, Dr Milu Maria Anto, Asst Professor, Prajyothinikethan College on the topic ' Keeping Cool During Covid, Tips on Mental Health and Wellbeing on 28th August 2020.

Women's Cell in association with the English Department, organized an interactive session with former Indian Air Force Pilot, Lt. Sreevidya Rajan on 13th of October 2020.

A class on Women's Health and Gynaecology was done by Dr.Athulya Shajan, Gynacologist, Jubilee Mission Medical College, Thrissur on 26th October 2020. Keeping in mind the growing opportunities for home entrepreneurs, a class on Cake Tips and Tricks was done by Lizbeth Renjith, owner of La Festa on 8th December 2020.

Women's Cell in association with the Department of Sociology organized a class on ' Know Aids and No Aids' by Dr.Anjana Chandran, NAM Medical Officer, Seethalayam , Kottayam and Mrs Maya Bastin, Consultant Psychologist, Seethalayam, Kottayam on 16th December

2020. Women's Day ( March 8th) was celebrated by arranging a much needed class on women's safety by the Kerala Fire and Rescue Civil Defence Corps, Kottayam. They took classes on Women Empowerment, Women's Safety and a Fire Drill.

As part of Women's Day, a poster designing competition was conducted on the topic ' Women Empowerment' for which Thara George , 2 DC Computer Science, was the winner.

The last class for this academic year was taken by Dr Boben Thomas, Medical Oncologist from Caritas Hospital on the topic ' Breast Cancer Awareness' on 15th March 2021.

## **ACADEMIC EXCELLENCE**

### **RANK HOLDERS**

English	Lisalias K Nadiya (Model I)	8 <sup>th</sup> Position
	Ann Mary Joy (Model II)	4 <sup>th</sup> Position
	Ansu Anna Thomas (Model II)	7 <sup>th</sup> Position
	Jessy Mariam Mathew (Model II)	8 <sup>th</sup> Position
	Amala Noble (Model III)	6 <sup>th</sup> Position
	Julia Johnlet	5 <sup>th</sup> Position
Sociology	Nishamol E K	6 <sup>th</sup> Position
	Parvathy AnilPrasad	3 <sup>rd</sup> Position
	Chelssiya K S	1 <sup>st</sup> Position
	Suchitra Surendran	2 <sup>nd</sup> Position
	Liya Paul	3 <sup>rd</sup> Position
	KrishnaPriya H	4 <sup>th</sup> Position
Histoty	Athira Ramachandran	5 <sup>th</sup> Position
	Tanuja Manoj	3 <sup>rd</sup> Position
Mathematics	Sneha Elizabeth Jacob	4 <sup>th</sup> Position

	Anisha P Kuriakose	3 <sup>rd</sup> Position
	Aji Kurian	4 <sup>th</sup> Position
Botany	Rintu V Shibu	3 <sup>rd</sup> Position
	Athira Santhosh	7 <sup>th</sup> Position
FSQC	Theertha A P	3 <sup>rd</sup> Position
	Anina Jose	4 <sup>th</sup> Position
	Merin George	5 <sup>th</sup> Position
FACS	Athira V Nair	4 <sup>th</sup> Position
	Aryamol S	5 <sup>th</sup> Position
MSW	Anitta Joy	1 <sup>st</sup> Position
	Amalu Mary Jose	4 <sup>th</sup> Position

### **Pass Percentage**

English Model I	83.33%
English Model II	90%
English Model III	92%
Mathematics	77.27%
Physics	93%
Chemistry	77.27%
Botany	70.27%
Zoology	83%
Family & Community science	
History	55%
Economics	59%
Sociology	77%
Commerce	78.5%

Finance & Taxation

Computer Application

Computer Science 73.91%

Food Science 96.87%

### **PG RESULTS**

M.A English 80%

M.Sc Mathematics 72.4%

M.Sc. Home Science 100

M.Com (Finance and Taxation 50

M.Com (Marketing &  
International Buisness) 53.85

MSW 100

### **A+ Holders**

English Model I 4

English Model II 6

English Model III 2

Mathematics 13

Physics 13

Chemistry 5

Botany 7

Zoology 2

Sociology 5

Commerce 4

Food Science 3

FACS 2

History	1
MSW	2

## ACHIEVEMENTS OF STAFF

- Dr. Riya Susan Scariah was awarded PhD in English Literature from Bharatiar University, Coimbatore on the topic Greening the Narrative: A Study on Bioregionalism in Sarah Josephs Gift in Green, Amitav Ghosh's The Hungry Tide and Gita Mehta's A River Sutra.
- Dr. Phiona Elizabeth Joshy was awarded PhD in English Literature from Bharatiar University, Coimbatore on the topic De-mystifying the Chick in Chick Literature: Examining Chick Lit as a Feminist Cultural Commentary.
- Dr Nithya Mariam John, our Faculty from English Department published two books titled Poetry Soup (2021) and Ruminations & Reflections: a Pinch of Poetry and Perspectives (2020). A few of her poems were translated into Odia and Malayalam.
- Dr. Radhika.S of Chemistry Department published a research paper entitled " \*Degradation\* of endocrine disruptors using modified TiO<sub>2</sub> nanorods under sunlight" in highly peer reviewed journal "Indian Journal of Advances in Chemical Science"
- A book on 'Soil and Agricultural Chemistry' was published by guest lecturers Ms.Anu P Nair and Ms.Sharon Maria Stephen ,Department of Chemistry during 2020-21.Book was published byLearners Book House ,Kottayam.ISBN:978-81-937000-0-6
- Angitha Jeesis. C our Faculty from Computer Science Department published a book titled DATA STRUCTURE USING C++. This text book is about data structure using c++ for third semester BCA and B.Sc Computer Science of MG University, Kottayam.
- ANSMOL GEORGE of Computer Science Department published a paper entitled " On Minimum Resolving Energy of a graph" in 'Aegaeum Journal, volume 8, issue 5 .

She also published another paper entitled " The Minimum Resolving Energy of a graph" in 'International Journal of Mathematics and its Applications, Volume 8.

- Dr. Reeja C S published five articles in International Journals titled - A study on influence of urban housing scheme on the health, hygiene, behavioural changes and self-esteem level of the Beneficiaries (European Journal of Molecular & Clinical Medicine), Impact of training knowledge empowerment in natural resource management in may-life at kottayam municipality, kerala (PAL ARCH JOURNAL OF ARCHEOLOGY OF EGYPT/EGYPTOLOGY PJAEE), Women empowerment and gender equality: A rational approach (SHODH SARITHA), Construction of Durkheimian suicide model:a special reference to Kerala (NewHorizons), A sociological study of caste stereotypes in Malayalam Cinema (Indian Journal of Adult Education).
- LENNY ELSA VARGHESE of Economics Department published many articles
  - a) Generation Y: The Labour Market Dilemma (International journal Of Multidisciplinary Educational Research , ISSN:2277-7881;Volume: 9, ISSUE: 6(4))  
Ratchet Effect And Retirement Age In The State Of Kerala In India: An Analysis (International Journal of Social Science and Economic Research ISSN: 2455-8834  
Volume: 05, Issue: 06)
  - b) The Paradoxical HDI Pattern Observed In Cholanaiikkan And Edamalakkudy Tribal Group Kerala: Assessing The Pattern Of Development. (International Journal Of Multidisciplinary Educational Research ISSN:2277-7881 Volume:10, Issue:1(3))
  - c) Book Chapters :Student Centric Teaching in the Study of Econometrics: An Enquiry to Induce Effective Learning in the edited book titled Current Research in Economics (Volume – 5)ISBN- 978-93-90541-58-4 -Akinik Publishers.

d) Demographic Dividend And The Indian Economy: Changing Role Of Women in the edited book titled Contemporary Issues In Social Sciences. ISBN-978-93-89224-93-1

- SHALINI THOMAS of Economics Department COMPLETED 10 COURSERA COURSES offered by renowned International Universities

Sl.No	Name of the Course	University	Grade Achieved
1	Advertising and Society	Duke University	89%
2	Introduction to Financial Markets	ISB(Indian School of Business)	85%
3	The Power of Microeconomics-Economics Principles in the Real World	University of California,Irvin	82%
4	Intro to International Marketing	Yonsei University	95%
5	Agriculture, Economics and Nature	University of Western Australia	85%
6	How to write a Resume	The State University of New York	90%
7	Learning How to Learn- Powerful Mental tools to Help You Master Tough Subjects	McMaster University	84%
8	Mind Control: Managing Your mental Health during COVID 19	University of Toronto	88%
9	Meditation: A Way to Achieve Your Goals in Your Life	Korea Advanced Institute of Science and	91%

		Technology(KAIST)	
10	The Power of Markets I:The Basis of Supply and Demand and Consumer Behaviour	University of Rochester	81%

- Mr. Liju Alex of Mathematics Department
  - a) Published a research paper entitled SOME DEGREE BASED TOPOLOGICAL INDICES OF A GENERALISED  $F^*$  SUMS OF GRAPHS in Electronic Journal of Mathematical Analysis and Applications.
  - b) Published a research paper entitled THE R- INDEX OF SOME GRAPHS in Proceedings of IAM.
  - c) Presented a paper in the International Conference on Algebra and Discrete Mathematics (ICADM) organized by Department of Mathematics, M S University, Tirunelveli 24-26 June, 2020.
  - d) Mr. Liju Alex presented a paper entitled On the DEGREE BASED TOPOLOGICAL INDICES OF A GENERALISED  $F^*$  SUMS OF GRAPHS in the International Conference FMAACM 2021 organized by Pondichery University 25-26 February 202
- Dr. Anu Varghese presented a paper entitled “On the distance spectra and energy of some graph classes” in International Conference on Number Theory and Discrete Mathematics (ICNTDM) organized by Rajagiri School of Engineering and Technology & Ramanujan Mathematical Society on 11-14 December 2020.

### **Training Programmes attended**

1. Minu Alex



- Short Term Course on ‘Gender Sensitization and Social Justice ‘ at Jawaharlal Nehru University, Delhi from 21 -9-2020 to 26-9-2020 (Online)
- Refresher Course on ‘English Language Teaching’ at Jawaharlal Nehru Technological University, Hyderabad from 9.11.2020 to 23.11.2020 (Online)
- Short term course on ‘Online Courses and Open Educational Resources’ from 4-12-2020 to 10-12-2020

2. Dr. Riya Susan Scariah

- Short term course on Disaster Management at University of Mumbai from 23rd October 2020 to 29th October 2020.

3. Dr. Naveena J Narithookil

- Refresher program on Comparative Literature and Cultural Studies from the University of Kannur from 9 October 2020 to 22 October 2020

4. Ponnu Liz Malieckal

- Short term Course on e-content Development and Online Pedogogy from University of Calicut from 24 September 2020- 30 September 2020.
- Short Term Course in Research Methodology from University of Goa from 3 November 2020 to 9 November 2020.

5. Phiona Elizabeth Joshy

- Refresher Course in Art and Culture from University of Calicut from 23 November to 6th December 2020.
- Short Term Course in Academic Writing in Social Sciences from University of Mumbai from 12 March 2021 to 18 March 2021.

6. Dr. Annu Thomas

- Refresher Course in Life Science from University of Bangalore from 11 December

2020 to 28 December 2020

7. Shalini Thomas

- Participated in the UGC Sponsored Faculty Induction Programme from 3/09/2020 to 2/10/2020 of UGC HRDC- Kannur University
- Has successfully completed two week MOOC Course (with e- verification) on 'Online Learning and Content Development' from 18th April 2020 to 2nd May 2020 organised by FLAIRE and Directorate of Collegiate Education, Kerala

8. Ann Johns

- Mrs. Ann Johns attended One Week Faculty Development Programme (FDP) by the Kerala State Higher Education Council (KSHEC) , 19-23 October 2020.
- Mrs. Ann Johns attended International e- seminar on recent research in Mathematics 11-15 September 2020 organized by Gandhi Institute of Technology and Management, Bengaluru.
- Mrs. Ann Johns attended a Research Lecture Series organized by Marthoma College, Tiruvalla.
- Mrs. Ann Johns attended International Conference on Recent Trends in Mathematics and its Applications to Graphs, Networks and Petri Nets on 20-24 July, 2020 organized by School of Computational and Integrative Sciences Jawaharlal Nehru University, New Delhi.
- Mrs. Ann Johns attended a Workshop on Matlab organized by Hindusthan College of Engineering and Technology, Coimbatore 2-4, September 2020.
- Dr. Anu Varghese attended One Week Faculty Development Programme (FDP) by the Kerala State Higher Education Council (KSHEC) , 19-23 October 2020.
- Dr. Anu Varghese attended Student Teacher Enrichment Programme organized by Rajagiri School of Engineering and Technology on 29th September, 2020.

#### 9. Dr. Stephy Thomas

- Participated in the One Week FDP on "E- Learning and Developing MOOCs for Teaching Process in Higher Education" held from December 14 - December 20, 2020 and organised by Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Teaching Learning Centre, Ramanujan College
- Participated in the one week Faculty Development Program on "ADVANCED PEDAGOGICAL TECHNIQUES" from October 29 - November 05, 2020 and organised by Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Teaching Learning Centre, Ramanujan College
- Participated in the Two Weeks Faculty Development Programme on "QUANTITATIVE METHODS FOR DATA ANALYSIS" from August 12 - August 25, 2020 and organised by Pandit Madan Mohan Malviya National Mission on Teachers and Teaching Teaching Learning Centre, Ramanujan College

#### 10. Dr. Reeja PS

- Short term mentoring and student counseling from 20/08/2020 to 26/08/2020
- Refresher Course in Human Rights from 11/09/2020 to 24/11/2020 (University of Kerala)

#### **Report of the R&D and Journal Club of Science for the academic year 2020-2021**

*A brief report of the activities of Journal Club of Science for the academic year 2020-2021 is given below;* The Journal Club of Science comprises of the faculty belonging to Departments of Mathematics, Statistics, Chemistry, Physics, Zoology, Botany, Food Science and Quality Control, Family and Community Science and Computer Science of the college. The main purpose of this club is to introduce science faculty members and interested students to the world of scientific publications and to familiarize them with world class journals. Every

month each department arranges talks by experts on specific relevant topics and there will be a question answer session so that everyone gets a chance to clear their queries from the expert itself. The journal club have so far conducted 8online sessions in this academic year. The details of the expert sessions conducted by the journal club are as follows,

Date	Speaker	Department	Title
23-6-2020	Ms. Praseetha P.S.	FACS	Early Developmental Stimulation
30-6-2020	Ms. Priya Thomas	Zoology	Ecology of Tadpoles
7-7-2020	Ms. Anju Annette Cherian	FSQC	Food Safety
11-8-2020	Ms. Divya S.	Computer Science	Equipping the classroom for online learning
27-10-2020	Ms. Sharon Mary Xavier	FACS	Consumer Education
10-11-2020	Ms. Indu Abraham	FACS	Assessment of nutritional status in Human nutrition
12-1-2021	Mr. Stephy Thomas	Statistics	Time series analysis using R
23-2-2021	Mr. Liju Alex	Mathematics	The R– Index Of Some Graphs

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#### **PUBLICATION DETAILS OF SCIENCE FACULTY DURING 2020-2021**

- MATHEMATICS- Mr. Liju Alex, The R– Index Of Some Graphs, Proceedings of IAM, V.9, N.2, 2020, pp.119-125
- Mr. Liju Alex, Some degree based topological indices of a generalized F sums of a graph, Electronic Journal of Mathematical Analysis and Applications (EJMAA), Vol. 9(1) Jan. 2021, pp. 91-111
- 
- CHEMISTRY - Dr. Radhika S. Degradation of endocrine disruptors using modified TiO<sub>2</sub>nanorods under sunlight, Indian Journal of Advances 8(4), 140-149, 2020.
- COMPUTER SCIENCE- Ms. Ansmol George- published a paper entitled “On minimum resolving energy of a graph” in Aegaeum Journal, Vol 8, Issue 5, 2020.
- Ms. Ansmol George- published a paper entitled “The minimum resolving energy of a graph” in International Journal of Mathematics and its applications, Vol 8, 2020, 239-246.
- ZOOLOGY- Ms. Priya Thomas published a mini review on the Ecology of Tadpoles in the journal “Science and Society”, ISSN 0973-0206, Volume 18, Issue1.
- BOTANY- Vandana P. Nair, Parvathy AJ, FTIR Spectroscopic studies on StrobilanthesCiliatusNees (Bremek), in Gyanshauryam, International, Scientific Referred Journal.
- Vandana P. Nair, Akhila S Viswan, Ethnobotanical knowledge of Mannan Tribe in Selected region of Kovimala, IdukkiDistict, in International Journal of Innovative Science and Research technology.
- AntuMariya Jose, Vaishnavi A and Aswathy A. (2020). Anti-mitotic activity of

aqueous leaf extracts of *Azadirachta indica* A. Juss. and *Simarouba glauca* DC. on *Allium cepa* L. root tips. *Journal of pharmacognosy and Phytochemistry*. 9(5):485-489.

- AntuMariya Jose and DivyaSurendran. (2020). Comparative allelopathic effect of *Syzygium aromaticum* and *Myristica fragrans* on seed germination of *Amaranthus cruentus*. *Journal of Advanced Scientific Research*. 11(4): 347-349.
- AntuMariya Jose, Arya Gopi and FebamolShaji (2020). Allelopathic effect of aqueous leaf extracts of two invasive plants (*Chromolaena odorata* (L.) R.M. King & H. Rob. and *Sphagneticola trilobata* (L.) Pruski) on seed germination of *Amaranthus cruentus* L. *Journal of Advanced Scientific Research*. 11(4) suppl 9 : 198- 201.
- Archana G Nair and Sindrella Philip (2020). Allelopathic effect of *Azadirachta indica* A. Juss and *Mikania micrantha* Kunth. leaf extracts on seed germination of *Amaranthus spinosus* L. *Journal of Advanced Scientific Research*. 11(3): 334-337.
- Archana G Nair and Anjana A. (2020). Allelopathic effect of *Lantana camara* L. and *Tectona grandis* L.F. leaf extracts on seed germination of *Amaranthus spinosus* L. *Journal of Advanced Scientific Research*. 11 suppl 5: 198-200.

## TEACHERS AS RESOURCE PERSONS

- Dr Nithya Mariam John was a Resource Person for a Poetry workshop at Baselius College, Kottayam on 19/3/2021 and for a Creative Writing Workshop organised by St Joseph's College, Alappuzha on 10 September 2020.
- Dr. Annu Thomas served as a Resource Person at St Marys College, Manarcad on the topic Rasathanthra and Covid
- Divya S. as Resource Person for a one day online workshop on the topic “Equipping the Classroom for Online Learning” for Department of Commerce and Management, Sree Narayana Arts and Science College, Kumarakom on 27 October 2020 at 11 am.
- Dr. Stephy Thomas Served as Resource person for resource person for the online

workshop on Computational Statistics using R organized by Department of Statistics, CHRIST (Deemed to be University), Bangalore during 14-17 December, 2020

- Dr. Anu Varghese has delivered a talk on "Distance Spectra and Energy of Graphs" in the weekly e-seminar on "Graphs, Matrices and Applications" on 30-10-2020 organized by Department of Mathematics, IIT Kharagpur.
- Mr. Liju Alex served as resource person in the Intercollegiate Quiz Competition organized by Catholicate College, Pathanamthitta, December 04, 2020.
- Mr. Liju Alex served as resource person in Intercollegiate Quiz Competition organized by St. Dominic's College, Kanjirappally, January 27, 2021.
- Mr. Liju Alex served as resource person in Intercollegiate Quiz Competition organized by Alphonsa College, Pala, February 05, 2021.
- Mr. Liju Alex served as resource person in Intercollegiate Quiz Competition organized by KE College, February 11, 2021.

## **NATIONAL & INTERNATIONAL WEBINARS**

This year almost every department organised webinars in different disciplines.

- The Department of English conducted a one day National Seminar on 18th May 2020 on the topic SPOKEN WRITING OR WRITTEN SPEECH by Dr. Reenu Punnoose (IIT Palakkad), Savouring Seafood Sustainably: A Guide to Marine Conservation in India. Conducted International Seminars on The Art of Being an Artist and Traversations.
- The Department of Commerce conducted various International and National Seminars- Insulation of Indian Economy from Covid like Pandemic and Business after Covid -19; Meet the Women 2020 (Smt. J. Mercikutty Amma – Minister of Fisheries, Harbour Engineering & cashew Industry , Dr. Divya.S. Iyyer – Officer of

Indian Administrative Service, Medical Graduate , Smt. Tintu Luka - Indian Track and Field Athlete , Smt. Tiffany Brar-Community Service Worker, founder of JYOTHIRGAMAYA Foundation , Smt. Sindhu Sooryakumar- Asst.Executive Editor of Asianet News Channel, Smt. Sheela Kochouseph Chittilappily – M.D of VSTAR Creations Pvt Ltd , Webinar on career opportunities in Indian private banks , Webinar on Constitutional Values (Hon. Justice (Retd) Kurian Joseph – Judge of Hon. Supreme Court of India), Prof. Jomis John – Professor, Confederation College Ontario, Canada -International Webinar, Post-Pandemic Economy from a Global perspective, Dr M.S. John- professor Central University of Kerala - International Webinar, Is Atma Nirbhar Bharat a way out for revival of the Indian Economy, Mr. Cyril Jose – Asst. Vice President , Federal Bank -International webinar, Impact of covid on Indian Banking Sector

- The Department of Computer Science conducted an International webinar series I and II on Gateway to Recent Trends in Technology (Dr. Vikas Gopinath; Dr. Mendus Jacob, CEO & M.D. of IPSR group of concerns and Director of MCA programme, Marian College Kuttikkanam; Mr. K.R. Satheesh Chandran , Xplore IT Corp; Mr. Saju Pappachan, Director of JThread technologies and JThread IT Training & consultancy; Mr Aneesh Kumar Aryam Vally, Chief Architect in Data Sematics)
- The Department of Family and Community Science conducted an online quarantine talent contest during lockdown in intercollegiate level on 13th-15th April 2020.The programme was named as “JovenosTalentos 2K20” .
- The Department of Family and Community Science conducted various webinars- “Becoming a Home Scientist”, “UPDATE TO OUR BEST VERSION”, “HEALTHIFY ME: HEALTH CARE AND LIFESTYLE IN 2020”, webinar named “A brain break” on the topic mental health on 8th October 2020 at Google meet (by

Dr. Sreelakshmi .S,BAMS), Mobilizing To Support Mental Health.

- The Department of Physics conducted various webinars including – LIGHT AND HEALTH AND WHERE IS PHYSICS THERE? (Marina Khazova, principal researcher in Laser and Optical radiation Dosimetry group in Public Health England), INTERNATIONAL WEBINAR ON HIGHER STUDIES OPPORTUNITIES IN EUROPE by Viktoria Bodnarova, is the second Regional Representative of EURAXESS Latin America and Caribbean, as of 2020.
- The Department of Sociology conducted various webinars - “Human Rights An The Indian Constitution” from 5 th to 8 th August,2020 by Dr.Jaisy Karingattil,Assistant professor at CSI College for legal studies. In association with St. Paul’s College Kalamassery and BCM College Kottayam, the Department of Sociology conducted a lecture on Caste in Contemporary India

## **WORKSHOPS CONDUCTED**

Intercollegiate programmes / fests/ exhibitions conducted Online by different departments:

- The Department of English conducted various competitions like Letter to Maveli Competition, Gandhi Jayanti Elocution competition; Dear, Diary, Handwashing Day Poster Making competition. The students started off an Official Department YouTube Channel.
- The Department of Commerce conducted various programmes online Essay Writing Competition, Debate competition, Poster making competition , Craft making competition, Video making, Sudoku, Buon Natale, The Department of Family and Community Science conducted a talent hunt contest in interdepartmental level on 21st-26th April 2020, Animal Photography competition, Food photography and Cake making competition.



- The Department of Computer Science conducted Book Summary Competition, Caption Writing Competition, Digital Painting Competition, Childhood Memories & Craziest Baby Photo Contest.
- The Department of Physics conducted Live Quiz competition, Online Talent Exhibition.
- The Department of Economics also conducted various webinars and online seminars -WEBINAR ON GENDER EQUALITY IN THE CURRENT SCENARIO, The Annual Lecture series on “BANK CREDIT FOR ECONOMIC REVIVAL: INDIA’S EXPERIENCE DURING THE PANDEMIC”( Dr.M.P Philip, Associate Professor & Former Head, Department of Economics, S.B College, Changanassery). Started off with a Department Youtube Channel.
- The Department of Sociology conducted various competitions like an inter departmental poster making competition on Global Parents Day on 9th June,2020. In accordance with international yoga day on 21 st ,June 2020, the students celebrated yoga day by practising yoga and promoting yoga. Poster making competition, quiz competition, cake making competition, essay writing competition , debate competition RJ Hunt , Online photography competition etc.

## **OJASS**

BCM OJASS functions with the aim of undertaking welfare programs of the college and extension activities.

## **College Library**

## **SPORTS AND GAMES**

Arya Sabu of First DC BA English won a Gold in State Kurash championships held at Ernakulam. She also won a gold in the Kottayam district Judo championships and will be participating in the state Judo meet scheduled in the last week of March 2021. she also had represented Kottayam district in the State Junior and Senior Tug of war Championships.

Arshitha of Commerce Department and Sneha of Family and Community Science Department was a part of the Kottayam Junior Kabaddi team which emerged as the Champions in the State Junior Kabaddi Championship held at Kasargod and Sneha was selected to the state Team for the National Championships.

All the intercollegiate championships are scheduled for April 2021

### **ACHIEVEMENTS OF STUDENTS**

Jomol Sebastian of third year Computer Science got placed at Wipro.

### **ASAP**

With the onset of Covid 19, the offline classes of ASAP batch was suspended indefinitely. Their classes resumed in February 2021 on online mode.

### **NSS**

NSS is an active functioning unit of the college.

### **CSM**

Catholic Student Movement of Bishop Chulaparambil Memorial College aims for the spiritual and value based development of the students. Faculty members and students from various departments serve as office bearers.

**CSM Coordinators for this year:**

Dr. Annu Thomas , Mrs. Shalini Thomas , Mrs. Elizabeth Johny, Ms. Sharon Maria Stephen

Programmes conducted under CSM are:

- Prayer Meeting
- Fellowship gathering
- Online Adoration
- Online Rosary
- Fresher's Day- CSM has arranged an online welcome programme for the first year students
- Holy Mass- CSM has made its sincere efforts in arranging Holy Mass. This year Holy Mass was conducted on 8th September 2020 to celebrate the nativity of Mother Mary and 19th March 2021 to give thanks for the last academic year.

**BEST PRACTICES**

Grade Enhancement Assessment is conducted for the continuous assessment of the students, which proves to be very effective for boosting their overall grades.

The college continues with the extension programmes for its adopted tribal village at Pongampalli and supports the students of the community in their educational needs.

**GATEWAYS TO SUCCESS:**

1. Career Oriented Courses (Add on Courses) offered by our college:

Journalism & Mass Communication

Computer Applications

Electronic and Electrical Equipment Maintenance

Travel & Tourism

Aesthetic Treatment from Nature

Career Oriented Training in Banking and Competitive Exams

## 2. Certificate Courses:

Radio & New Media	-	English
Safe Food Handling Technique :		
Hygiene of Management	-	Food Science
Banking Theory & Practice	-	Commerce
Cosmetic Chemistry: Beauty at your Fingertips	-	Chemistry
Guidance and Counselling	-	Sociology
Entrepreneurship Development	-	Economics
Ornamental Fish breeding		
Culture and Management	-	Zoology
Surface Ornamentation Techniques	-	FACS
Research Methodology and Data analysis	-	IQAC
Computer Hardware and Maintenance	-	Computer Science
Introductory Mathematics for Competitive Exams	-	Maths
Nature and scope of Archaeology in India	-	History
Our Universe and the World Around Us	-	Physics
Mushroom Cultivation	-	Botany
Child Rights	-	Social Work

## 3.Zero Credit Courses:

Adolescent Health	-	FACS
Community Health and Education	-	Zoology
Interview Skills, CV preparation and		
Group Discussion	-	English

Life Skill Education	-	Sociology
Grooming And Personal Hygiene	-	FSQC
Jaivasaaksharatha	-	Malayalam

### **BEST OUTGOING STUDENT**

\_\_\_\_\_ of Department is the Best Outgoing Student for the academic year.

### **BEST DEPARTMENT**

\_\_\_\_\_ Department is selected as the best department by college management.

Thank you all.

Dr. Teena Annah Thomas