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INTRODUCTION

Catholicate College owes its existence to the innate vision of the greatly lamented H.H Baselios Geevarghesse II, the Catholicos of the Malankara Orthodox Church and H.G. Puthencavil Geevarghese Mar Philoxenos, the then Metropolitan of Thumpamon Diocese. The college had the prayerful guidance of H.G.Daniel Mar Philoxenos, the first principal of the college, and who later became the Metropolitan of Thumpamon Diocese. Recently the college has celebrated its Diamond Jubilee.

The college was formally inaugurated on August 6th 1952 by the Honorable Raja Pramukh of Travancore - Cochin, H.E. (late) Sri. ChithiraThirunal Raja Raja Varma. The most virtuous H.H. Baselius Geevarghese II laid the foundation of this educational institution on the serene hilltop at Makkamkunnu, west of Pathanamthitta town, Kerala. In 1952 the college was affiliated to the university of Travancore, then University of Kerala. Now it is affiliated to Mahatma Gandhi University, Kottayam. The college upholds the motto. "The Fear of the Lord is the beginning of wisdom" with the vision 'To create an educated enlightened society for a brave new world'. The college secured Christian minority institution status on 2012 from the Govt of India. The primary objective of the college is to provide an academic and social environment in which students can flourish. The management focuses mainly on imparting value-based education through quality teaching and learning which is aimed at the holistic and intuitive growth of the individual. In all levels, teaching and non-teaching staff and also students cooperate in an atmosphere of mutual respect to realize the vision and mission of the institution.

Even during the COVID pandemic, faculty of the college, under the guidance of the holy fathers and the management, proved their mettle and it was reflected in the academic and nonacademic achievements of the students. Nearing its Platinum Jubilee, achievements of the Catholicate College has increased manifold and these achievements are just the outcome of the dedication and hard work of the stake holders of the college.

HIGHLIGHTS OF THE YEAR

Sl No.	Title of the Activities	Organising unit/ agency/ collaborating agency
1.	Built House Programme	NSS Unit, Catholicate College, Pathanamthitta
2.	Swatcha Grama Project In Adopted village	NSS Unit, Catholicate College, Pathanamthitta
3.	International Yoga Day (21st June2019)	NSS Unit, Catholicate College, Pathanamthitta
4.	International Drug Abuse day (26th June 2019)	NSS Unit, Catholicate College, Pathanamthitta
5.	Paper Bag Making Tutorial (10th July 2019)	NSS Unit, Catholicate College, Pathanamthitta
6.	Valicheriyal Vimuktha Campus (16 To 25th July 2019)	NSS Unit, Catholicate College, Pathanamthitta
7.	District Colletorate Surroundings Cleaning	NSS Unit, Catholicate College, Pathanamthitta
8.	Seed Pen Making (December 8,9 & 10, 2019	NSS Unit, Catholicate College, Pathanamthitta
9.	Flood Relief Activities (AUGUST 12 To 16, 2019	NSS Unit, Catholicate College, Pathanamthitta
10.	Road Show (16 August2019	NSS Unit, Catholicate College, Pathanamthitta
11.	Blood Donation Camp (03/09/2019)	NSS Unit, Catholicate College, Pathanamthitta
12.	Global Climate Strike(22\09\2019)	NSS Unit, Catholicate College, Pathanamthitta
13.	GANDHIJI @150 AND NSS @50-GOLDEN JUBILEE RALLY (24th September 2019)	NSS Unit, Catholicate College, Pathanamthitta
14.	GANDHIJI @150 AND NSS @50-A SESSION WITH CHILDRENS OF GOVT.L.P.SCHOOL, PRAMADOM (24th September 2019)	NSS Unit, Catholicate College, Pathanamthitta
15.	GANDHIJI @150 AND NSS @50- CLEANING PROGRAMME (24th September 2019)	NSS Unit, Catholicate College, Pathanamthitta
16.	GANDHIJI @150 AND NSS @50- SEMINAR On Environment & NSS (25th September2019	NSS Unit, Catholicate College, Pathanamthitta
17.	GANDHIJI @150 AND NSS @50-KHADI VILLAGE VISIT (26th September2019	NSS Unit, Catholicate College, Pathanamthitta
18.	GANDHIJI @150 AND NSS @50-POSTER DESIGNING & SLOGAN WRITING COMPETITION [On 27th September2019	NSS Unit, Catholicate College, Pathanamthitta
19.	Gandhiji @150 And Nss @50- Njangalkkum Parayannund – We Smile Charity [28th September2019]	NSS Unit, Catholicate College, Pathanamthitta
20.	GANDHIJI @150 AND NSS @50-ARTS EXPO - [30th SEPTEMBER2019]	NSS Unit, Catholicate College, Pathanamthitta
21.	GANDHIJI @150 AND NSS @50COLLECTORS @ SCHOOL (01st October 2019)	NSS Unit, Catholicate College, Pathanamthitta
22.	Gandhiji @150 And Nss @50-Palliative Care[1/10/2019]	NSS Unit, Catholicate College, Pathanamthitta
23.	GANDHIJI @150 AND NSS @50-GANDHI JAYANTHI [2nd October2019]-RING ROAD Cleaning, PATHANMTHITTA	NSS Unit, Catholicate College, Pathanamthitta

24.	Collection Drive (05th October2019)	NSS Unit, Catholicate College, Pathanamthitta
25.	Collectors @ School ,Waste Bin Installing(05th October2019)	NSS Unit, Catholicate College, Pathanamthitta
26.	Pathanamthitta Ring Road Beautification (05th And 11th OCTOBER 2019)	NSS Unit, Catholicate College, Pathanamthitta
27.	Palliativecare(07\10\2019)	NSS Unit, Catholicate College, Pathanamthitta
28.	Marathon (20th November2019)	NSS Unit, Catholicate College, Pathanamthitta
29.	Vimukthi Club Awarness Programme (22nd November 2019)	NSS Unit, Catholicate College, Pathanamthitta
30.	Observance Of Constitution Day	NSS Unit, Catholicate College, Pathanamthitta
31.	Pampa Cleaning Programme (29 November To December 01, 2019)	NSS Unit, Catholicate College, Pathanamthitta
32.	Awarness Programme On Pocso Act (30th November 2019)	NSS Unit, Catholicate College, Pathanamthitta
33.	Ring Road Beautification (05, 07& December, 2019)	NSS Unit, Catholicate College, Pathanamthitta
34.	Plastic Free Campus (December 06,2019	NSS Unit, Catholicate College, Pathanamthitta
35.	Survey At Adopted Village(December 09 & 10, 2019	NSS Unit, Catholicate College, Pathanamthitta
36.	Clean Campus Programme (December10, 2019)	NSS Unit, Catholicate College, Pathanamthitta
37.	Clean Campus Programme (December	NSS Unit, Catholicate College, Pathanamthitta
38.	Eco Friendly Products Making (December 21, 2019)	NSS Unit, Catholicate College, Pathanamthitta
39.	Awarness Class About Intoxicated Life(December 21, 2019)	NSS Unit, Catholicate College, Pathanamthitta
40.	Awarness Class About Lifestyle Diseases & Excercise (December 22, 2019)	NSS Unit, Catholicate College, Pathanamthitta
41.	Training And Awarness On Domestic Waste Management (December 23, 2019)	NSS Unit, Catholicate College, Pathanamthitta
42.	Medical Camp And Legal Service Camp (December 24, 2019	NSS Unit, Catholicate College, Pathanamthitta
43.	Law And Order Awarness Class (December 24, 2019)	NSS Unit, Catholicate College, Pathanamthitta
44.	Awarness Class On Road Safety & Rules (December 24, 2019)	NSS Unit, Catholicate College, Pathanamthitta
45.	Kitchen Garden And Camp Cleaning Activities (December 25, 2019)	NSS Unit, Catholicate College, Pathanamthitta
46.	Camp Cleaning & Evaluation Program	NSS Unit, Catholicate College, Pathanamthitta
47.	Plastic Prohibition Proclamation March (0101- 2020)	NSS Unit, Catholicate College, Pathanamthitta
48.	Campus Cleaning (January2, 2020)	NSS Unit, Catholicate College, Pathanamthitta
49.	Bottle Art Tutorial (January 03, 2020)	NSS Unit, Catholicate College, Pathanamthitta
50.	31st Road Safety Celebration And District Level Inauguration (January 13,2020)	NSS Unit, Catholicate College, Pathanamthitta

51.	Anti –Drugs Day Observation(January 16, 2020)	NSS Unit, Catholicate College, Pathanamthitta
52.	Pulse Polio Immunization Programme (January 19, 2020)	NSS Unit, Catholicate College, Pathanamthitta
53.	Blood Donation Camp (21\01\2020)	NSS Unit, Catholicate College, Pathanamthitta
54.	Old Age Home Visit (January 22, 2020)	NSS Unit, Catholicate College, Pathanamthitta
55.	Special School Sports Meet "Mikav"2020(January24,2020)	NSS Unit, Catholicate College, Pathanamthitta
56.	Republic Day Celebrations (January 26, 2020)	NSS Unit, Catholicate College, Pathanamthitta
57.	Awarness Class On Adverse Effect Of Drugs (January30, 2020	NSS Unit, Catholicate College, Pathanamthitta
58.	Awarness Programme On Covid-19 – Flash Mob (February12, 2020)	NSS Unit, Catholicate College, Pathanamthitta
59.	Visit To Mahatma Jansevana Kendra (February27, 2020)	NSS Unit, Catholicate College, Pathanamthitta
60.	Medical Camp (March 06, 2020)	NSS Unit, Catholicate College, Pathanamthitta
61.	Activities During Lockdown Period-Call Centre Volunteers At Work	NSS Unit, Catholicate College, Pathanamthitta
62.	Activities During Lockdown Period-Face Mask Making	NSS Unit, Catholicate College, Pathanamthitta
63.	Activities During Lockdown Period- Craft Clubactivities	NSS Unit, Catholicate College, Pathanamthitta
64.	The World Environment Day	NCC Unit, Catholocate Unit, Pathanamthitta
65.	The Inter National Yoga Day	NCC Unit, Catholocate Unit, Pathanamthitta, NSS Unit No.10, Catholicate College, Pathanamthitta and Nehru Yuva Kendra, Pathanamthitta
66.	Flood Relief Collection Drive	NCC Unit Catholicate College and NSS Unit No.10, Catholicate College, Pathanamthitta
67.	Blood Donation Camp	NCC Unit, Catholicate College, Pathanamthitta,Red Ribbon Club, Catholicate College and NSS Unit No. 10, Catholicate College, Pathanamthitta
68.	Cleaning Programme In Ring Road	NCC Unit, Catholicate College, Pathanamthitta and District Administration, Pathanamthitta
69.	Plogging' Or Jogging	NSS Unit, Catholicate College, Pathanamthitta
70.	'Ek Bharath Sreshta Bharath'	Three members of NCC Unit participated in 'Ek Bharath Sreshta Bharath' Camp held at Bhupal Nobles University at Udaipur
71.	Nature Education Programme At Pamba	NSS Unit, Catholicate College, Pathanamthitta
72.	Punarnavam Project	St.Basil Association
73.	Palette 2K19.	St.Basil Association
74.	Note Books To Needy	St.Basil Association
75.	The Street Drama	St.Basil Association
76.	Nomenclature of Plants	Department of Botany-Nomenclature Club

		Department of Determ Varial State Dis diversity
78.	Technical Support Group	Department of Botany-Kerala State Biodiversity Board
79.	Biodiversity Monitoring Committee	Department of Botany-Pandalam Block Panchayath
80.	Ozone day Observance	Department of Botany and KSCSTE
81.	GREGORIAN EXPO-Science Exhibition	Department of Botany-St. Gregorios School, Kaipatoor
82.	Hand sanitizer making and distribution to students before exam	Department of Chemistry and Parents Teachers Association (PTA)
83.	Gregorian Expo 2019-20	Department of Chemistry-Mount Bethany School, Kumbazha, Pathanamthitta
84.	Flood Relief Activities at Nilamboor in collaboration	Jeruselem Mount Higher Secondary School, Vakathanom, Kottayam
85.	Gregorian Expo 2019-20	Department of Zoology-St. Gregorios School, Kaipatoor
86.	Zoohoney production and sale in collaboration with local farmers.	Department of Zoology, Catholicate College, Pathanamthitta
87.	Socio-economic Survey _2019	Department of Economics, Catholicate College, Pathanamthitta
88.	Participation in Survey for Kerala Lok Sabha Election 2019.	Department of History, Department of Political Science, Catholicate College, Pathanamthitta & Centre for Electoral Studies, Thiruvananthapuram
89.	Gregorian Expo 2019-20	Department of Physics-St. Gregorios School, Kaipatoor
90.	Gregorian Expo 2019-20	Department of Mathematics-St. Gregorios School, Kaipatoor
91.	Human Right Awareness	Department of Mathematics
92.	All Kerala Mathematics Talent Search -2019	Department of Mathematics
93.	Dr. Rekha R- Best N.S.S.Programme officer	NSS, Mahatma Gandhi University
94.	Best N.S.S.Programme Unit	NSS, Mahatma Gandhi University
95.	Akhil S- Best NSS Volunteer	NSS, Mahatma Gandhi University
96.	Aswinimol C.P Best NSS Volunteer	NSS, Mahatma Gandhi University

	STUDEN	T ENRC	DLMENT	AND D	IVERSIT	Y
Name of the Programme	Programme Specialization	Number of seats available	Students enrolled 1st Year	II Year	III Year	Total
	B.A. English	60	51	53	54	158
	B.A. Malayalam	40	39	38	39	116
	B. A. Hindi	30	22	27	26	75
	B.A. History	50	48	48	47	143
	B.A.Economics	60	59	56	60	175
BA/B.Sc./	B.Sc.Mathemati cs	69	61	59	64	184
B.Com	B.Sc Physics	58	46	48	50	144
	B.Sc. Chemistry	58	53	54	55	162
	B. Sc. Botany	52	49	51	49	149
	B.Sc. Zoology	43	39	40	38	117
	B.Com.	50	50	47	50	147
	B.Com. (SF)*	50	51	38	39	128
	BCA (SF)*	38	29	22	29	80
	Total	658	597	581	600	1778
	M.A. English Literature	15	14	15	14	43
	M.A. Malayalam	20	21	18	14	53
	M. A. Hindi	10	10	10	7	27
	M.A. History	13	12	12	11	35
	M.Sc. Mathematics	19	19	19	19	57
MA/M.Sc./M .Com	M.Sc. Physics (Electronics)	15	13	15	15	43
	M.Sc. Physics(Materia 1 Science)	13	12	13	13	38
	M.Sc. Analytical Chemistry	13	13	13	12	38
	M.Sc. Polymer Chemistry	13	12	13	13	38
	M. Sc. Botany	12	12	13	13	38
	M.Sc. Zoology	13	13	13	13	39
	M.Com	18	17	18	19	54
	M.Com(SF)*	30	30	29	27	86
	MTTM(SF)*	20	10	8	6	24
	Total	224	208	209	196	613
			Grand Total			2391

PROGRAMME OUTCOMES

UNDERGRADUATE PROGRAMME OUTCOMES

Students of Undergraduate Programmes at the time of graduation will gain the ability:

PO1. Subject Competence: To master essential skills to understand, explain, analyse, apply and demonstrate concepts related to each discipline and integrate it with real life.

PO2. Creative and Critical Thinking: To develop creativity as well as critical and rational problem-solving skills to understand, respond and engage proactively with subject related aswell as social issues.

PO3. Effective Communication: To develop oral, written and interpersonal communication skills which would enable the learner to prepare for a career and function effectively in it.

PO4. Scientific Temper, Research and Innovation: To gain a scientific attitude to explore, research and innovate so as to create new knowledge; facilitate exciting discoveries that would solve existing problems and open new ways of living.

PO5. Social Sensitivity and Commitment: To internalise and practice values/attitudes to participate in civic life with compassion and empathy as emotionally mature and socially responsible citizens.

PO6. Sustainable Development and Green Living: To protect the environment, conserve natural resources and promote green living through the use of sustainable technologies.

PO7. Digital Literacy and Technological Efficiency: To empower the learner to navigate the tech-savvy world with confidence and connect efficiently with latest developments across the globe.

PO8. Passion for Life-long Learning: To engage in lifelong learning to update knowledge, adapt and contribute to social change with a futuristic vision.

POSTGRADUATE PROGRAMME OUTCOMES

Students of Postgraduate Programmes at the time of graduation will gain the ability:

PO1 Academic Expertise and Employability: To attain mastery of the subjects, enhance employability and facilitate knowledge application in different practical situations.

PO2 Scientific Temper, Critical Thinking and Logical Reasoning: To develop scientific temper and capacity for independent, conceptual and creative thinking; problem establishment, collection of evidence, synthesis and dispassionate analysis.

PO3 Research and Innovation: To strengthen research aptitude leading to creation of new knowledge and innovative solutions to various emerging issues.

PO4 Motivation for Life-long learning: To engage dynamically in continuous learning, to modernize knowledge, adopt, adapt and contribute to social change with a futuristic vision.

PO5 Communication and Team work: To develop effective communication skill and ability to work in teams by strengthening group dynamics.

PO6 Moral and ethical awareness: To understand the role and applicability of knowledge acquired in the context of society, environment and sustainable development sticking on to ethics and values.

PO7 Leadership readiness: To exhibit leadership in multidisciplinary environments by applying the knowledge and concepts acquired through the learning process to one's own work, as a member and leader in a team.

PO8 Social Responsibility: To incorporate and practice values to better civic life with humanity and empathy and develop students who are emotionally mature and socially responsible.

PO9 Digital Literacy and Technological Efficiency: To empower the learner to navigate the tech-savvy world with conviction and synchronize with progressions in the technical world.

	ONVERSITI EXAMINATION RESOLTS Programme Number of students Number of students Pass					
	Programme Specialization	in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage		
	B.A. English	53	45	84.90		
	B.A. Malayalam	35	24	68.50		
	B.A Hindi	20	15	75.00		
	B.A. History	45	30	66.60		
	B.A. Economics	55	43	78.00		
	B,Sc. Mathematics	59	43	74.00		
UG	B.Sc. Physics	48	38	79.17		
	B.Sc. Chemistry	54	40	74		
	B.Sc. Botany	45	34	75.50		
	B.Sc. Zoology	31	22	70.90		
	B.Com.	47	46	97.87		
	B.Com. (SF)	38	30	70.58		
	BCA (SF)	29	25	86.20		
	M.A. English Literature	15	15	100.00		
	M.A. Malayalam	18	16	88.88		
	M.A. Hindi	10	9	90.00		
	M.A. History	12	8	66.66		
PG	M.Sc. Mathematics	18	14	77.78		
10	M.Sc. Physics	15	12	80.00		
	M.Sc. Physics	13	11	84.62		
	M.Sc. Analytical chemistry	13	10	76.90		
	M.Sc. Polymer Chemistry	13	12	92.31		
	M.Sc. Botany	13	10	76.90		
	M.Sc. Zoology	13	10	76.90		
	M.Com.	17	12	70.58		
	M.Com. (SF)	28	18	64.28		
	MTTM (SF)	8	8	100.00		

UNIVERSITY EXAMINATION RESULTS

	RANKS		
Programme	Programme Specialization	Rank	Name of the Student
	BA English Language and Literature	1st	Adithya Rajesh
	B.A Hindi	1st	Anagha Ashok
		8th	Parvathy S
UG	BA Economics	1 st	Sreelekshmi Kumar
	B.Sc Zoology	10 th	Silpa Chandran
	B.A.Malayalam	9th	Arya. K. G
	M.A Hindi	7 _{th}	Amrutha S
		10 th	Chinchu Suresh
	M.Sc_Zoology	4 _{th}	Dhanya S. Nair
		9 _{th}	SuryaDevi K
	M.Sc Mathematics	10 th	Athira M
	M.Sc Botany	4 _{th}	Fousiya Beevi A
PG		10th	Merin M. Varghese
10	M.A.Malayalam	1st	Karthika sudhan
		3rd	Soorya.S. Nair
		7th	Aparna Suresh
	M.Sc. Physics (Material Science)	1st	Poornima Jayakumar
		2nd	Amritha Krishnan
		3rd	Sreelakshmi Prasad Pillai
	M.Sc. Physics (Electronics)	8th	Ayana Jose

RANKS

Rank Holders



Aditya Rajesh 1st Rank in B A English



Anagha Ashok 1st Rank in B A Hindi



Parvathy S 8th Rank in B A Hindi



Sreelekshmi Kumar 1st Rank in B.A Economics



Arya.K.G. 9th Rank in B.A.Malayalam



Shilpa Chandran 10th Rank in B.Sc Zoology



Amrutha S 7th Rank in M A Hindi



Chinchu Suresh 10th Rank in M A Hindi



Karthika Sudhan 1st Rank in M.A.Malayalam



Soorya .S. Nair 3rd Rank in M A Malayalam



Aparna Suresh 7th Rank in M A Malayalam



Athira M 10th Rank in M.Sc Mathematics



Dhanya S. Nair 4th Rank in M. Sc <u>Z</u>oology



SuryaDevi K 9th Rank in M. <u>S</u>c Zoology



Fousiya Beevi A 4th Rank in M. Sc Botany



Merin M. Varghese 10th Rank in M.Sc Botany



Poornima Jayakumar 1st Rank in M.Sc. Physics (Material Science)



Amritha Krishnan 2nd Rank in M.Sc. Physics (Material Science)



Sreelakshmi Prasad Pillai 3rd Rank in M.Sc. Physics (Material Science)



Ayana Jose 2nd Rank in M.Sc. Physics (Electronics)

FACULTY ACHIEVEMENT

Sl No.	Name of Teacher	Name of Award
1	Dr. Mini George	Geenadevi Shodh Samman
2	Dr. Mini George	Saraswath Samman
3	Dr. Rekha R	Best N.S.S.Programme officer

TEACHING STAFF

Department	No. of sanctioned positions	No. of filled positions (Permanen t)	Vacant positions	No. of filled positions (Guest Faculty)	Positions filled during the current year	No. of faculty with Ph.D
English	14	11	3	4	0	2
Malayalam	10	6	4	4	0	5
Hindi	10	7	3	2	0	9
History	9	7	2	2	0	3
Economics	3	3	0	0	0	2
Mathematics	9	6	3	3	0	4
Physics	14	13	1	1	0	8
Chemistry	15	8	7	6	0	8
Botany	8	8	0	0	0	5
Zoology	8	7	1	1	0	2
Commerce	9	3	6	5	0	1
Commerce (SF)*	7	0	0	5	0	0
MTTM	2	0	0	2	0	0
BCA (SF)*	5	0	0	5	0	0
Syriac	1	0	1	1	0	0
Physical Education	2	2	0	0	0	1
Total	126	81	31	41	0	50

*SF- Self Financing Post for self financing courses are filled every year

NON-TEACHING STAFF

Sl. No	Name of Post	Sanctioned Strength	Existing Strength
1.	Senior Superintendent		1
2.	U D Clerk		3
3.	L D Clerk		5
4.	L D Typist		1
5.	Office Attendant		5
6.	Library Assistant		1
7.	Herbarium Keeper		1
8.	Laboratory Assistant		7
9.	Gardner		1
10.	Mechanic		1
	Total		26

RESEARCH AND EXTENSION

Ph. Ds awarded

Name of	Name of Guide	Year of	Thesis Title
Department		Award	
Malayalam	Dr.A.Alice	2019	ചരിത്ര പ്ല്പ്േയങ്ങളുടെ ആഖ്യാന ം ആനന്ദ ിന്ട െ കഥകടള ആസ്ഖ ോക്കിയുള്ള േഠനം
Malayalam	Dr.A.Alice	2019	_{ഒാ™്} സിക്കൽ കലകളിടല േുരാപ്േേരര പ്പ്േയങ്ങൾ
Malayalam	Dr.M.S,Paul	2019	േലയാള കവ ിരയ ുട െ ഭ ാവ ുകര ¤ േരിോോേ ഉത്തരാധുനികരയിൽ
Malayalam	Dr.M.S,Paul	2019	ആധുനികാനന്തര വിംർശനസീേനങ്ങൾ േലയാളത്തിൽ.വി. സി. ശീജൻ, ഇ. േി. രാജാഗാോലൻ എന്നിവരുട െ നിര ൂേദേ ്ടങ്ങള അെിസ്ഥാനോക്കി ഒരു
Malayalam	Dr.V.Rajeev	2019	എൻ.എസ് ോധവനട്െ കഥകള ിടല രാഷ്്ത്െീയം
Zoology	Dr. Sunil Kumar .R.	2019	Studies on the epibenthic organisms of Ayiramthengu mangrove ecosystem
Commerce	Dr.P.N Hari Kumar	2019	Production and Marketing problems of Malayalam film industry
Commerce	Dr.P.N Hari Kumar	2020	A Comparative study on the work life balance of the employees of Public & Private sector banks in Kerala

Projects			
Name of the Project	Name of the Principal	Department	Year of Award
	Investigator		
Major Project	Dr.Raneesh B	Physics	2019
Major Project	Dr.Thomas VP	Botany	2019
Major Project	Dr.Binoy T Thomas	Botany	2019

Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings

Department	Authors	Title of the book/chapters published		
Zoology	Dr. Sunil Kumar R	Colonization and coexistence of micro epibionts on an artificaial substratum in a mangrove ecosystem of Kerala, In book Frontiers in Benthic Science, Editors: S. Bijoy Nandan, P. Priyaja, P. R. Jayachandran,		
Zoology	Dr. Sunil Kumar R	Community structure of macrobenthos in Thangassery fishing harbor of Kerala, south west coast of India, In book Frontiers in Benthic Science, Editors: S. Bijoy Nandan, P. Priyaja, P. R. Jayachandran,		
Zoology	Dr. Sunil Kumar R	Distribution and diversity diversity of ciliate epibionts on the prop root of Rhizophora apiculata. In book Frontiers in Benthic Science, Editors: S. Bijoy Nandan, P. Priyaja, P. R. Jayachandran,		
Botany	Dr. V.P. Thomas	Asian Zingiberales: Resume & Prospects Prof. M. Sabu Commemoration Volume		
Malayalam	Dr.M.S.Paul	C.J.enna Vimarshakan		
Malayalam	Dr.Bincy.P.J	Bhasha sahithyam Bahuswara Vayanakal		
History	Dr.P.S.Pratheep	Impact of Industrial Policy on Native States		
History	Lijo Sebastian	Environmentalism in the Western Ghats: Between Ennocence and Eccological Arrogance		
Physics	Dr. Achamma George	Study of Optical Properties of Mg doped SnO2Nanocrystals		
Physics	Dr. Achamma George	Al doped SnO2Nanocrystals for Photovoltaic applications		
Physics	Dr. George Thomas,	Methane in Coastal Arabian Sea off Kochi, South-West India,		
Physics	Dr. George Thomas,	Urban Heat Island Study in Kochi Based on LCZ Classification,		
English	Jisha Elezaba	In Search of the Other		
English	Jisha Elezaba	Women's Writing		

Publications of Papers in Scientific Journals

Title of the paper	Name of the author	Title of the journal
Postuman parayathe paranja kadha	Dr.Anu.P.T	Vijnjana Kairali
Ochira Velukkuttiyude Jeevitham Ezhuthumpol	Dr.M.S.Paul	Grandhaa Lokham
Aakhyanakala Perumpadavom sreedharante aroopiyudeMoonnam Pravil	Dr.Bincy.p.J	Bhasha sahithyam Bahuswara Vayanakal
Bhasha parinamam M.Govindante Kavithakalil	Dr. Jessy Alexander	Vijnjana Kairali
Dwanydarshanam Fantriyil	Dr.Rekha.R	Anweshanapathhangal

Malayala bhasha gaveshanathil Gundarttinte Sambhavanakal	Soumya Jose	Bhasha sahithyam Bahuswara Vayanakal
Parasyangalum janapriyasamskaravum	Indu.R	Bhasha sahithyam Bahuswara Vayanakal-
A Study On Public Awareness About Medical Waste Management	Dr. P. N Harikumar & Dr. Ann Naisy Jacob	Journal of Emerging Technologies and Innovative Research
Defects characterisation and studies of structural properties of sol-gel synthesised MgFe2O4 nanocrystals through positron annihilation and supportive spectroscopic methods.	Abraham, A. R., Raneesh, B., Nambissan, P. M. G., Sanyal, D., Thomas, S., & Kalarikkal, N.	Philosophical Magazine,
Defect-focused analysis of calciumsubstitution-induced structural transformation of magnesium ferrite nanocrystals	Abraham, A. R., Raneesh, B., Sanyal, D., Thomas, S., Kalarikkal, N., & Nambissan, P. M. G.	New Journal of Chemistry
X-Ray Photoelectron Spectroscopy and Raman Studies of ZnO: Ce Nanocrystals.	Achamma, G., Qureshi, M. S., & Malik, M. M.	Journal of Applied Spectroscopy,
. New distributional records eighteen species of Vorticella (Ciliophora: Peritricha) from mangrove ecosystem of Ayiramthengu in south west cost of India.	. Chitra P and R. Sunil Kumar 2019	J. Mar. Biol. Ass. India,
Applications of endophytic-fungal-isolates from velamen root of wild orchids in floriculture	Deepthi AS and JG Ray	Brazilian Journal of Biological Sciences
Endophytic diversity of hanging velamen roots in the epiphytic orchid Acampe praemorsa	Deepthi AS and JG Ray	Plant Ecology & Diversity

	-	
A new species and a new combination of Amomum Roxb. (Zingiberaceae) from Sikkim Himalaya, India	V.P. Thomas, M. Sabu , T. Jayakrishnan & E.P. Rajeesh	Phytotaxa
Ethnobotanical significance of Zingiberales: a case study in the Malaipandaram tribe of Southern western Ghats of Kerala	VP Thomas, Judin Jose, Saranya Mol ST & Binoy T Thomas	Indian Journal of Traditional Knowledge
Second stage spectrum of some non-regular graphs	Dr. Renny P. Varghese, Dr. Susha D.	Far East journal of mathematical Sciences
On the normalized Laplacian Spectrum of some graphs	Dr. Renny P. Varghese, Dr. Susha D.	Krajujevac Journal of Mathematics Journal of Serbia
Binary Cech Closure Spaces using binary ideals and binary grills	Dr. Susha D.	Journal of Advanced studies in Topology
Generalized Soft Groups	Dr. Susha D, Manju John	International Journal of Computer and Mathematical Sciences
Topological Indices, Study of a chemical molecular structure	E.M.Suji	Think India Journal
CDPU Hypergraphs	Dr. Beena Koshy	International Journal of Mathematics, Trends & Technology
Weiner Index of a vertex with respect to a CDPU set	Dr. Beena Koshy	Global Journal of Pure & Applied Mathematics

h-index of the Institutional Publications

Name of the author	Title of the journal	Year of publication	h-index of the Author	Number of Citations excluding self citation	Institutional affiliation as mentioned in the publication
Dr.Anu.P.T	Vijnjana Kairali	2019			Department of Malayalam, Catholicate College
Dr.M.S.Paul	Grandhaa Lokham	2019			Department of Malayalam, Catholicate College
Dr.Bincy.p.J	Bhasha sahithyam Bahuswara Vayanakal	2019			Department of Malayalam, Catholicate College
Dr. Jessy Alexander	Vijnjana Kairali	2019			Department of Malayalam Catholicate College

Dr.Rekha.R	Anweshanapathhangal	2020			Department of Malayalam Catholicate College
Soumya Jose	Bhasha sahithyam Bahuswara Vayanakal-	2019			Department of Malayalam, Catholicate College
Indu.R	Bhasha sahithyam Bahuswara Vayanakal-	2019			Department of Malayalam, Catholicate College
Dr. P. N Harikumar & Dr. Ann Naisy Jacob	Journal of Emerging Technologies and Innovative Research	2019			Department of Commerce, Catholicate College
Abraham, A. R., Raneesh, B., Nambissan, P.	Philosophical Magazine,	2020	15	2	Department of Physics, Catholicate College

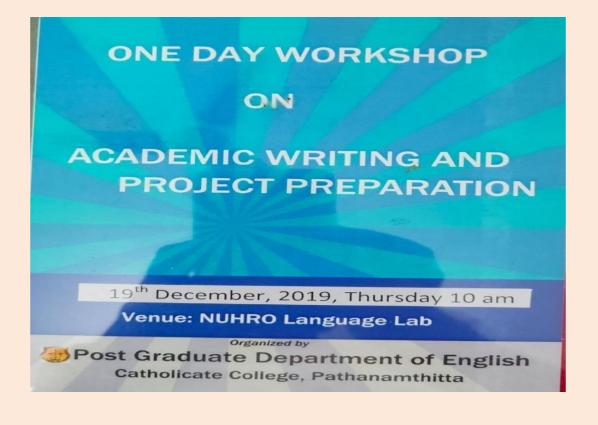
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M. G., Sanyal, D., Thomas, S., & Kalarikkal, N.					
Abraham, A. R., Raneesh, B., Sanyal, D., Thomas, S., Kalarikkal, N., & Nambissan, P. M. G.	New Journal of Chemistry	2020	15	2	Department of Physics, Catholicate College
Achamma, G., Qureshi, M. S., & Malik, M. M.	Journal of Applied Spectroscopy,	2019	1	1	Department of Physics, Catholicate College
. Chitra P and R. Sunil Kumar 2019	J. Mar. Biol. Ass. India,	2019			Department of zoology, Catholicate College
Deepthi AS and JG Ray	Brazilian Journal of Biological Sciences	2019		1	Laboratory of Plant Science and Ecology, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala
Deepthi AS and JG Ray	Plant Ecology & Diversity	2019		2	Laboratory of Plant Science and Ecology, School of Biosciences, Mahatma Gandhi University, Kottayam, Kerala
V.P. THOMAS, M. SABU , T. JAYAKRISH NAN & E.P.	Phytotaxa	2020	8	1	Department of Botany, Catholicate College

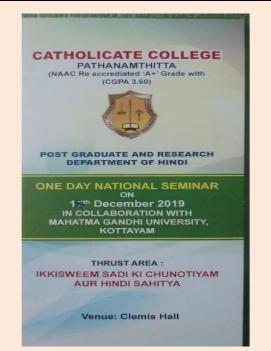
RAJEESH					
VP Thomas, Judin Jose, Saranya Mol ST & Binoy T Thomas	Indian Journal of Traditional Knowledge	2020	8	2	Department of Botany, Catholicate College
Dr. Renny P. Varghese, Dr. Susha D.	Far East journal of mathematical Sciences	2020	4		Department of mathematics, Catholicate College, Pathanamthitta
Dr. Renny P. Varghese, Dr. Susha D.	Krajujevac Journal of Mathematics Journal of Serbia	2020	4		Department of mathematics, Catholicate College
Dr. Susha D.	Journal of Advanced studies in Topology	2019			Department of mathematics, Catholicate College
Dr. Susha D., Manju John	International Journal of Computer and Mathematical Sciences	2019			Department of mathematics, Catholicate College
E.M.Suji	Think India Journal	2019			Department of mathematics, Catholicate College
Dr. Beena Koshy	International Journal of Mathematics, Trends &	2020	3		Department of mathematics,
	Technology				Catholicate College
Dr. Beena Koshy	Global Journal of Pure & Applied Mathematics	2020	3		Department of Mathematics, Catholicate College

Seminars/ Workshops Conducted by various Departments

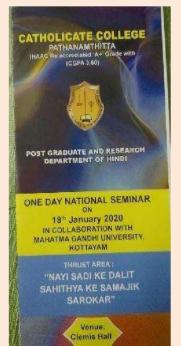
Date	Department	Seminars/ Workshops
27.09.2019-28.09.2019	Botany	National Workshop on Algal Taxonomy and Culturing
19.12.2019	English	Workshop on Academic Writing and Project Preparation
05.03.2020	Chemistry	Prof. V. T Thomas Memorial Academic Lecture
		Inauguration of Lecture Series and Award Distribution
10.01.2020	Chemistry	Ceremony
26.01.2019-28.01.2019	Chemistry	Sasthrapadam- Students' Lab Visit
		Gregorian Expo science exhibition for the Higher
2019	Chemistry	Secondary school student

		Flood Relief Activities at Nilamboor
2019	Chemistry	
18.12.2019	Hindi	National Seminar
18.01.2020	Hindi	National Seminar
20.06.2019	Malayalam	Vayana vaaraghosham
05.07.2019	Malayalam	Basheer Keshavadev Anusmaranam
01.11.2019-08.11.2019	Malayalam	Keralappiravi Agosham
22.07.2019	Physics	National Seminar on Recent Trends in Nanotechnology
03.03.2020	Physics	National Science Day Celebrations-2020
		Prof. V. I Joseph Memorial Lecture Series in Applied
24.01.2020	Physics	Physics
23.01.2019	Commerce	Seminar on Course Work
17.09.2019- 19.09. 2019	Commerce	Workshop on SPARK
9 November ,2019	English	Alumni Meet 2019
		National Seminar on Research in Commerce and
14.03.2019	Commerce	Management
20.08.2019	Commerce	National Seminar on Scientific Research Process
27.09.2019	Commerce	World Tourism Day Celebration

















POST GRADUATE & RESEARCH DEPARTMENT OF MATHEMATICS CATHOLICATE COLLEGE, PATHANAMTHITTA

SEMINAR ON HUMAN RIGHTS

As per U.G. (CBCS) V Semester Syllabus M.G. University 05 - 09 - 2019

10.30 am - 12.30 noon

RESOURCE PERSON

Dr. Pratheep P. S Associate Professor in History Catholicate College, Pathanamthitta

ORGANIZING COMMITTEE

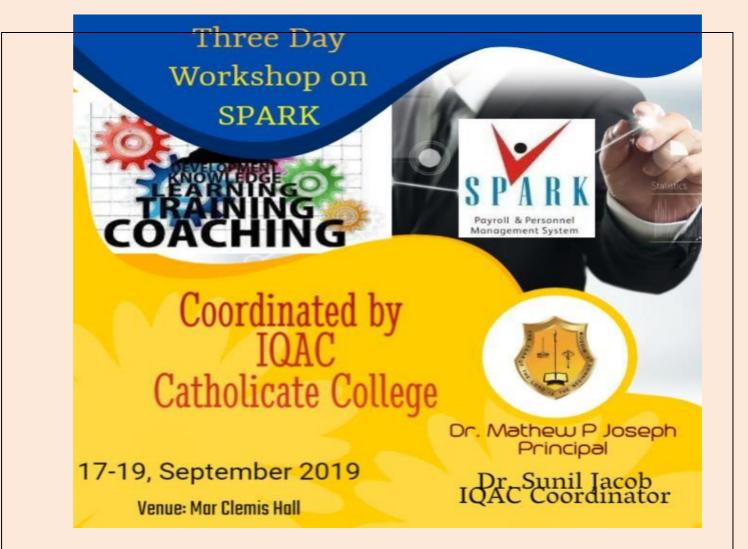
Dr. Mathew P. Joseph, Principal Dr. Renny P.Varghese, HoD Dr. Susha D. Dr. Beena Koshy, Co-ordinator Smt.Manju John

Contact: 8547435579



Flood relief activities at Nilambur, Dept of Chemistry





INTERNATIONAL OZONE DAY OBSERVANCE 2019

Organized By: Post Graduate Research Department of Botany, Catholicate College, Pathanamthitta

Sponsored By: Kerala State Council for Science, Technology and Environment

One Day Seminar on Ozone, Climate and The Montreal Protocol – 24th September 2019



Inauguration of the seminar by Mr. Jaidev G. IPS, District Police Chief, Pathanamthitta.



Faculty participation in Seminars/Conferences and Symposia

Name of the Teacher	Department	Level
Mary Mathew	English	Local
Dr Asha Philipose	English	Local
Steve Vincent	English	Local
Divya Uthup	English	Local
Anu Francis	English	Local
Jisha Elezaba	English	Local
Chithra Mary Philip	English	Local
Tessy Thomas	English	Local
Renu Anna Boban	English	Local
Jiji Anna Jacob	English	Local
Dr.Philipose Omman	Botany	State
Dr.Binoy T Thomas	Botany	State
Dr.Deepthi AS	Botany	State
Gokul G Nair	Botany	State
Dr.Nisha K Joseph	Botany	State
Tinu Thomas	Botany	State
Hima KS	Botany	State
Dr.Thomas VP	Botany	State
Dr.Philipose Omman	Botany	National

Dr.Binoy T Thomas	Botany	National
Dr.Deepthi AS	Botany	National
Gokul G Nair	Botany	National
Dr.Nisha K Joseph	Botany	National
Hima KS	Botany	National
Tinu Thomas	Botany	National
Dr.Thomas VP	Botany	National
Sumitha Tom	Chemistry	State
Sumitha Tom	Chemistry	National
Sumitha Tom	Chemistry	National
Dr. Binoj K. K.	Chemistry	National
Sajith Babu S	Phyics	National
Dr. George Thomas	Phyics	International
Dr. George Thomas	Phyics	International
Dr. George Thomas	Phyics	International
Dr.Dhanya I	Phyics	International
Jini K Jose	Phyics	National
Dr. Raneesh B	Phyics	International
Neena Suresh	Computer	International

	Applications	
Neena Suresh	Computer Applications	State
Preethi Thomas	Computer Applications	State
Preethi Thomas	Computer Applications	State
Boban Aloysius	History	State
Boban Aloysius	History	National
Dr.P.S.Pratheep	History	National
Dr. Mini George	Hindi	National
Dr. Mini George	Hindi	National
Dr. Shirly Baby	Hindi	National
Dr. Shirly Baby	Hindi	National
Dr. Shirly Baby	Hindi	National
Dr. Shirly Baby	Hindi	Local
Dr. Shirly Baby	Hindi	State
Dr. Sanu Thomas	Hindi	National
Dr. Sanu Thomas	Hindi	National

Hindi	State
Hindi	National
	National
	International
-	Local
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Hindi	National
Hindi	State
Hindi	Local
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Mathematics	International
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Mathematics	State
	National
	International
Zoology	State
	HindiMathematics<

Liji Koshy	Zoology	State
Anusha Merin Wilson	Zoology	State
Anusha Merin Wilson	Zoology	State

<u>Number of Collaborative activities for research, faculty</u> <u>exchange, student exchange</u>

Nature of Activity	Participant	Source of financial support	Duration
Collaborative research	Dr. Dhanya I.	Self	1 Year
MSc Project	Dr. Soosan Samuel M.	Self	1 Year
Collaborative research	Dr. Raneesh B.	UGC-DAE-CSR	3 Year
Study Project (Student Exchange) at Botanical Survay of India, Pune	Minu Maria James	IASc and INSA	2 months
Study Project (Student Exchange) at SH College, Thevara	Aleena Sara Paul	IASc and INSA	3 months

Linkages with departments/industries for internship, on-the-job training, project work, sharing of research facilities etc.

Title of the linkage	Name of the partnering department/ industry /research lab with contact details	Duration	Participants
Study of family Lythraceae in India	Botanical Survey of India, Pune, IASc & INSA	May 2019- June 2019	Minu Maria James (M.Sc. Student)
Floral Biology, phenology and breeding system Myristica fragrance	S.H. College, Thevara, IASc & INSA	April 2019- June 2019	Aleena Sara Paul (M.Sc. Student)
Academic Main Project	Cybex Computer Education, Adoor, Kerala	March 2020May 2020	(5 BCA Students)
Academic Main Project	Syntax Soft-Tech India Pvt. Ltd, Software Company, Marine Drive, Cochin, 682031	March 2020June 2020	(24 BCA Students)

MoUs signed

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
MOONLIGHT	10 Feb. 2017	Certificate Course	20
KERALA STATE RUTRONIX	16 Feb. 2020	Training for computer proficiency (TALLY, GST, MS OFFICE)	65

INFRASTRUCTURE AND LEARNING RESOURCES

Catholicate College is dedicated to the educational and holistic development of its students. It offers both the physical and learning infrastructure necessary to support 13 U.G courses, 14 P.G courses, 8 research centres, 3 Academic Chairs and 2 Add- on courses.

The Academic Blocks are:

□ The Science Block	: Physics, Chemistry, Botany, Zoology
□ Mar Dionysius Block	: English, Mathematics, History
□ St.Thomas Silver Jubilee Block	: Malayalam, Hindi
□ St.Mary's Block	: Economics
☐ Administrative Block	: Commerce, Physical Education

□ H.G. Daniel Mar Philoxenos Diamond Jubilee Block: BCA

All 67 classrooms, 11 HOD rooms and 14 staff rooms are well equipped, comfortable, and Wifi enabled. The Golden Jubilee Library and the departmental libraries function as brain boosters. The 18 science (separately set up UG, PG and Research) laboratories are safe and modern. There are 8 computer labs on the campus. All Departments are technologically updated and connected to the Public Address System. An uninterrupted power supply is provided via a transformer.

The other facilities available on campus are 2 Seminar/Conference Halls with centralised AC, one mini Digital and two Science Theatres, a multifunctional NUHRO language lab, Botanical Garden and Museum, Ginger House, Phycotechnology Lab, Animal House, Zoology Museum, and Sophia Counselling Centre. IGNOU study centre and Rutronix centre are also available to students.

Physical Education:

In this era of excessive competition and changing environment, people barely care about their physical well being. Playing regular sports can help in maintaining physical well being reduce stress and tension in an individual. Catholicate College has the facilities to bolster an active sports culture on campus. Coaching is provided to students in various sports under the supervision of two permanent Physical Education faculties and the aegis of Kerala Sports Council and District Sports Council. The college conducts an annual Sports Day and intramural

competitive events, from which participants are selected for University, State and National level competitions.

The College has facilities for outdoor (Football, Volleyball, Basketball, and Badminton courts and a 200-meter track) as well as indoor games (Caroms, Chess, Table Tennis, Judo, Fencing, Taekwondo, Weight Lifting and Power Lifting). There are two pavilions, a gymnasium and a Yoga Hall. The Health and Fitness Clubs work alongside the Physical Education Department. Health Centre oversees the Amenity Centre and first-aid.

Cultural activities are conducted in the Heritage Auditorium, Open Auditorium, or departmental seminar halls. Faculty Members nominated as Staff Advisors to the College Union, Arts Club, and the Editorial Board of the College Magazine over see their activities. The student centre is available to students to meet and organize activities.

Library:

Our library is fully automated and well-maintained books are bar coded and issued through computer. The library is having a well-balanced collection of books in all the subjects according to the new syllabus. The personnel at the library guide the users about various collections in thelibrary using OPAC/ web OPAC. Library kiosk machine provides easy search modules to access Catalogued books, new arrivals, Periodical links etc. The computer section with high-speed nodes/ terminals gives uninterrupted access to NLIST project.

- Name of ILMS software Campus Net ERP software, Info weavers
- Nature of automation (fully or partially) Fully
- Version -5.0.1
- Year of Automation-2004
- Library Kiosk machine and Library E-gate facilities are available.

IT facilities

The college is powered with sufficient computer facility. A total of 147 computers with memory of 2GB or more RAM and a capacity of minimum 250 GB Hard disk are installed at various locations. The students and teachers are provided with free internet facility in the library. The students are permitted to access the internet provided in the Departments also. All the departments can access the internet with the Wi-Fi provided by the office using routers. Devices such as GIGA POE switch Net gear, access point devices and routers help in providing uninterrupted internet connectivity inside the campus. All the students are provided with INFLIBNET facility. Research students are beneficiaries of ICT in pursuing advanced research and publication by the utilization of close to 6000 e-journals through INFLIBNET.

Licensed Software such as MS OFFICE, WINDOWS, TALLY, PEACHTREE, MATHEMATICA, SPSS, FIREFLY, PHYSIO EX, MATLAB, SOLVER SUITE, ORIGIN,

TELL ME MORE etc., are used. A Centralized printing and scanning facility are available for the smooth conduct of internal exams and other reprographic requirements of the departments. The College organizes orientation programmes for students and teachers to familiarize them with the latest ICT technology in teaching -learning process. ICT enabled technology and power point is being used by the students for their Seminar and paper presentations. ICT is promoted in library and administration by making available requisite hardware and software in areas like payroll, student database, results, library catalogue, security, connectivity, etc. Outsourcing is done for maintenance and repairing of IT infrastructure such as computers, wifi facility etc. The institution plans to increase the student to computer ratio from 15:1 to 6:1 and to increase the broad band access speed from 200 MBPS to higher level.

ACTION PLAN FOR 2020-21

- To strengthen the knowledge of teachers and students through exposure to real life Situations.
- 2. To recommend the management to provide financial assistance for more infrastructural developments.
- 3. To encourage students to take up research projects, paper publications, Field visits etc.
- 4. To develop initiative programmes like WWS, ASAP etc.
- 5. To implement virtual labs (for experiential learning) in all Science departments and Initiatives to make the college a nodal centre for virtual lab training.
- 6. To encourage our graduate and postgraduate students to pursue careers in research through SCHOLAR HUB (Leaner to Scholar) programme.
- 7. To upgrade and update institutional website.
- 8. To introduce new aided programmes.
- 9. To conduct more programmes to create awareness among students regarding the need to develop scientific temper and logical reasoning.
- 10. To conduct more socially responsible programmes and events.

To make use of the possibilities of advanced practices like virtual and online teaching

CONCLUSION

On this concluding remark, we would like to thank the God almighty and the Holy fathers of Malankara Orthodox Church for the blessings and strength they showered on us during difficult times. The academic year 2019-2020 which was shadowed by Flood and the Corona pandemic was a period of struggle and fight for survival for everyone. The academic community who found ingenious methods to strive through this turbulent period effectively and efficiently deserves special appreciation. This annual report is nothing but the result of the hard work put in by the academic and non-academic staff of this college. Various departments of this college took genuine effort to conduct seminars and workshops in their respective subjects to enrich their students. We would like to extend our gratitude to all of them.

Special thanks must be conveyed to the IQAC coordinator, who effectively organized the IQAC actions towards the NAAC accreditation, which is to happen in the near future.

We would like to conclude this report by extending our thanks and prayers to all who work in this endeavor of preparing our institution to scale new heights in all facets. May the blessings of the Holy fathers and the God always light your paths.