

### MAI DE DEUS EDUCATIONAL INSTITUTIONS

Managed by the Catholic Board of Education, Mangalore
Philonagar, Darbe, Puttur - 574202, D.K., Karnataka | 08251 230340

IQAC ANNUAL REPORT 2020-2021



# **TABLE OF CONTENTS**

Prea	mble	3
1.	Green Smart Campus	3
2.	Management	3
3.	Staff	3
4.	Students	3
5.	Programs offered:	3
6.	Add on/Certificate programs offered during the year	4
7.	Students undertaking Project work/Field work/Internship	5
8.	Results	5
9. durir	Grants received from Government and non-governmental agencies for research projects / endowments in the institution generated the year.	
10. entre	Workshops/sem <mark>inars/conferences including o</mark> n Research Meth <mark>odology, Intellectual Property R</mark> ights (IPR) and epreneurship conduc <mark>ted during</mark> the year	6
11.	Number of research papers in the Journals notified on UGC CARE during the year	6
12. confe	Number of books and chapters in edited volumes/books published and papers published in national/ international erence proceedings during year	8
13.	Awards and recognitions received for extension activities from government / government recognized bodies	10
14. Orga	Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Governm nizations	
15. train	Number of MoUs, collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the-jobing, research and other academic activities during the year:	14
16. durir	Number of students benefited by sch <mark>olarships and freeships provided by the</mark> Government and Non-Government agencing the year	
17.	Career guidance programmes organized by the Institution:	15
18.	Capacity building and soft skill programmes offered by the institution:	15
19.	Professional Development Programs for Teaching/Non-Teaching Staff Members	16
20.	Sports and Games	16
21.	Conclusion	17
	AND AND COLLEGE	

#### **Preamble**

As the College completed 62 years of its existence, we must salute the foresight of our founder, Msgr Antony Patrao, who understood almost 7 decades ago the role of education in nation building. St Philomena College, the crown jewel in the educational platforms he created, became operational in 1958. That modest beginning has now brought us to this august day. The ideals enshrined in the motive of the establishment of the College have been held in high esteem and efforts are not spared to put them into practice. As years rolled by, the College from its infancy rose to the stage of maturity with expansion, diversification, consolidation, and achievement

### 1. Green Smart Campus

The Ministry of Human Resource Development, Government of India, has identified our college as one of the best performing institution among the higher educational institutions in India. The college has been focusing on cleanliness, waste management, water conservation and water management. This great recognition would boost our decade long efforts in serving mother earth.

### 2. Management

The College is managed by The Catholic Board of Education, Mangaluru which is the top management. Most Rev. Dr Peter Paul Saldanha, Bishop, Diocese of Mangaluru is the President, Msgr Maxim L. Noronha, the Vice President and Very Rev. Fr Antony Shera is the Secretary. The local Management Committee is headed by Very Rev. Fr Alfred J. Pinto, Parish Priest, Mai De Deus Church, Puttur as Joint Secretary.

#### 3. Staff

The college has 65 teaching staff in the UG Section and 32 in the PG Section, the administrative staff consist of 27 members.

#### 4. Students

The College on its roll has **1420** students in the UG section of whom **692** are boys and **728** are girls. In the PG section there are **275** students of whom **230** are girls and **45** are boys.

### 5. Programs offered:

The College offers 6 UG programmes – BA, B.Com, B.Sc., BBA, BCA and BSW and 6 PG programmes–MSW, M.Com, M.Sc.-Physics, M.Sc.-Mathematics, M.Sc.-Computer Science and M.A. Economics.

# 6. Add on/Certificate programs offered during the year

Total **21** certificate programs were Approved by the Academic Council of the College and offered by different Departments in this academic year.

Name of Add on /Certific	ate programs	offered	Number of Students	
			completing the course in the	
			year	
Excel for Data Analysis			24	
Android Basics			31	
Digital English Language Lab	AN	ID_	12	
Mushroom Cultivation FA	TH	SER	VICE 35	
Basic Mathematics for Competiti	ve Exams	2	18	
Management Development Progr	ramme		13	
Effective Business Communication	on		30	
Chemistry for Beginners			30	
Vermitechnology	<b>4</b>	) A 44 4	34	
Consultant Network Security			10	
MikTex			26	
Personal and Professional Develo	pment		10	
An Interactive Introduction to La	TeX		22	
Research Met <mark>hodology</mark>			60	
157			EGE	
PH	IL ONE	LA COL	LEGE	
	TOME	NA O		

## 7. Students undertaking Project work/Field work/Internship

Total **258** number of students were done project work/field work/internship in the academic year.

### 8. Results

Sustained academic performance is the hallmark of our College. Our students have fared exceedingly well in the examinations conducted by the University.

COURSE	%
BA	100
BSC	89
BCOM	87
BBA	95
BCA	87.37
BSW	82
MSW	100
M.Com	100
M.Sc PHY	97.56
M.Sc MATHS	83.33
M.Sc Comp.Sc	100
MA ECO	100

		RANK HOLD	ERS LIST	
S.N	NAME	CAM	RANK	COURSE
1	MAITHRI K B		II	BBA
2	AKSHATHA S		II	BSW
3	DEEPA C BHAT		IV	BCOM
4	JOSHILLA MARITA ME	NEZES	I	МСОМ
5	NAV <mark>YASHREE</mark> RAI K		IV	MCOM
6	HARSHITHA S K	Y	IX	MCOM
7	PRAMITHA A	LOMEN	COLL	MSC PHYSICS
8	THUSHARA R B	TOWER	II	MSC PHYSICS
9	NISHMITHA S RAO		I	MSC CS



# 9. Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year.

Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency
Infrastructural grant to add additional facilites for the VGST sanctioned Research Laboratories	Dr Antony Prakash Monteiro	Physics	2020- 21	0.63	1	Mr Michael D'Souza and Family

# 10. Workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the year

Name of the workshop/ seminar/ conference	Number of	Date From - To
	Participants	
One Day Workshop on 'Cyber Security Ethical Hacking and Cyber		19-06-2021
Security as a Career"	100	19-00-2021
One Day Webinar on 'Cloud, Data & IoT'	300	06-07-2021
One Day Webinar on 'Blockchain Technology and its Use Cases '	100	15-07-2021
One Day Workshop on 'IoT Use Cases to Accelerate Success'	350	10-12-2021

## 11. Number of research papers in the Journals notified on UGC CARE during the year

Title of paper	Name of the author/s	Department of the teacher	Name of journal
Electrochemical Determination of Dopamine And Uric Acid Using Poly (Proline) Modified Carbon Paste Electrode: A Cyclic Voltametric Study	Edwin S D' Souza	Chemistry	Chemistry & Chemical Technology
Electro-Polymerized Titan Yellow Modified Carbon Paste Electrode for the Analysis of Curcumin		Chemistry	Surfaces
Electrochemical analysis of indigo carmine using polyarginine modified carbon paste electrode		Chemistry	Journal of Electrochemical Science and Engineering

ANTH CHICAGO
Toniconessa contra

Rapid Electrochemical Monitoring of Tyrosine by Poly (Riboflavin) Modified Carbon Nanotube Paste Electrode as a Sensitive Sensor and its Applications in Pharmaceutical Samples Voltammetric analysis of antihistamine drug cetrizine and paracetamol at poly(L-Leucine) layered carbon nanotube paste electrode Surfactant and Polymer Composite Modified Electrode for the Sensitive Determination of Vanillin in Food Sample Efficient Electrochemical Determination of Catechol with Hydroquinone at Poly (L-Serine) Layered Carbon Paste Electrode Influence of concentration and annealing temperature on spin-coated metal oxide thin films for optoelectronic devices  The electrical properties of n-CdS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Planking Gervices Among Rural Praven  Edwin S D' Souza  Chemistry  Chemistry Chemistry Chemistry Surfaces and Interfaces  Chemistry Physics  Journal of Materials in Electronics Physics of Condensed Matter  Chemistry Ashith V K  Physics Conference Fill Business Review  Vinayachandra K Geetha Poornima Machine (AVM) using Machine (AVM) using Machine (AVM) using Science Fill Business Review  Vinayachandra  K Geetha Poornima Magieshwari  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural  Praveen  Commerce  Our Heritage  Chemistry Chemistry Analytical and Bioanalytical Chemistry Chemistry Chemistry Analytical and Bioanalytical Chemistry Chemistry Chemistry Analytical and Bioanalytical Chemistry Chemistry				
Voltammetric analysis of antihistamine drug cetirizine and paracetamol at poly(L-Leucine) layered carbon nanotube paste electrode  Surfactant and Polymer Composite Modified Electrode for the Sensitive Determination of Vanillin in Food Sample  Efficient Electrochemical Determination of Catechol with Hydroquinone at Poly (L-Serine) Layered Carbon Paste Electrode  Influence of concentration and annealing temperature on spin-coated metal oxide thin films for optoelectronic devices  The electrical properties of n-CdS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electroples as Sensitive  Chemistry  Surfaces and Interfaces  Chemistry  Chemistry  Chemistry  Chemistry  Surfaces and Interfaces  Chemistry  Chemistry  Chemistry  Chemistry  Surfaces and Interfaces  Chemistry  Chemistry  Chemistry  Surfaces and Interfaces  Chemistry  Chemistry  Chemistry  Surfaces and Interfaces  Chemistry  Chemistry  Surfactant and Polymer Select  Chemistry  Surfactant and Polymer Select  Ashith V K  Physics  Physics Physics of Condensed Matter  Condensed Matter  Science  FIIB Business  Review  Vinayachandra  K Geetha Poornima  M Rajeshwari  Computer  Science  Our Heritage  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and	Tyrosine by Poly (Riboflavin) Modified Carbon Nanotube Paste Electrode as a Sensitive Sensor and its Applications in Pharmaceutical		Chemistry	Research in Applied
Modified Electrode for the Sensitive Determination of Vanillin in Food Sample  Efficient Electrochemical Determination of Catechol with Hydroquinone at Poly (L-Serine) Layered Carbon Paste Electrode Influence of concentration and annealing temperature on spin-coated metal oxide thin films for optoelectronic devices  The electrical properties of n-CdS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  M Rajeshwari  Vashvanth G Nayak  Commerce  FIIB Business Review  Vinayachandra  K Geetha Poornima  M Rajeshwari  Vashvanth G Nayak  Commerce  Praveen  Chemistry  Chemistry Select  Chemistry	Voltammetric analysis of antihistamine drug cetirizine and paracetamol at poly(L-Leucine) layered carbon		Chemistry	
Determination of Catechol with Hydroquinone at Poly (L-Serine) Layered Carbon Paste Electrode Influence of concentration and annealing temperature on spin-coated metal oxide thin films for optoelectronic devices  The electrical properties of n-CdS/p- CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  W Rajeshwari  Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electrody as Sensitive  Edwin S D' Souza  Chemistry  Chemistry  Journal of Materials  Ashith V K  Physics  Journal of Materials  Science:  Materials Science:  Materials Science:  Materials Science:  Materials Science:  Materials Science:  Materials Science  Commerce  Physics: Computer Science  Physics: Conference Series  Conference Series  Chemistry  Analytical and Bioanalytical Chemistry  Journal of Materials and	Modified Electrode for the Sensitive Determination of Vanillin in Food Sample	AND	·	,
Influence of concentration and annealing temperature on spin-coated metal oxide thin films for optoelectronic devices  The electrical properties of n-CdS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Ashith V K  Ashith V K  Physics  Conmerce Materials in Electronics  Science  Materials  Science: Materials  Materials in Electronics  Fills Business  Review  Vinayachandra  Vinayachandra  K Geetha Poornima  K Geetha Poornima  M Rajeshwari  Vashvanth G Nayak  Commerce  Our Heritage  Praveen  Chemistry  Analytical and Bioanalytical Chemistry  Analytical and Bioanalytical Chemistry  Arginine Electroplymerized Carbon  Nanotube Paste Electrode as Sensitive	Determination of Catechol with Hydroquinone at Poly (L-Serine)	SER	Chemistry	ChemistrySelect
annealing temperature on spin-coated metal oxide thin films for optoelectronic devices  Ashith V K  Ashith V K  Ashith V K  Physics  The electrical properties of n-CdS/p-CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Ashith V K  Physics  Commerce  Materials in Electronics  Physics Physics Condensed Matter  Commerce  FIIB Business  Review  K Geetha Poornima  K Geetha Poornima  M Rajeshwari  Yashvanth G Nayak  Commerce  Our Heritage  Our Heritage  Chemistry  Analytical and Bioanalytical Chemistry  Analytical and Bioanalytical  Chemistry  Journal of Materials and				
metal oxide thin films for optoelectronic devices  The electrical properties of n-CdS/p-CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Ashith V K  Physics  Condensed Matter  Commerce  Sunil George  Commerce  Vinayachandra  Vinayachandra  Vinayachandra  Vinayachandra  Science  K Geetha Poornima  M Rajeshwari  Commerce  Our Heritage  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and		E. Deepak D'Silva	Physics	
optoelectronic devices  The electrical properties of n-CdS/p-CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Makerials in Electronics  Physics Condensed Matter  Commerce  FIIB Business Review  K Geetha Poornima  Computer Science  K Geetha Poornima  Commerce  Yashvanth G Nayak  Commerce  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and		Ashith V K		
The electrical properties of n-CdS/p-CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Electrode Sunil George Commerce FIIB Business Review  Vinayachandra Computer Science Physics: Conference Series  Winayachandra Computer Science Physics: Conference Series  Edwin S D' Souza Chemistry Analytical and Bioanalytical Chemistry  Chemistry Journal of Materials and				
CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum deposition techniques  The Effect of Emotional Intelligence and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive	optionis do ricos			
and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and Trust as Moderators  Arduino Based Authenticated Voting Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Review  Review  Computer Science  K Geetha Poornima  M Rajeshwari  Yashvanth G Nayak  Commerce  Praveen  Chemistry  Chemistry  Journal of Materials and	CdTe and n-ZnS/p-CdTe heterojunctions fabricated by a combination of SILAR and vacuum	Ashith V K	Physics	Physics of
Machine (AVM) using RFID and Fingerprint for the Student Elections  Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  K Geetha Poornima  K Geetha Poornima  K Geetha Poornima  Science Physics: Conference Series  Our Heritage  Praveen  Edwin S D' Souza  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and	and Psychological Capital on Knowledge, Service and Leadership Excellence: Knowledge Sharing and	Sunil George	Commerce	
RFID and Fingerprint for the Student Elections  K Geetha Poornima  M Rajeshwari  Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  K Geetha Poornima  K Geetha Poornima  Commerce  Yashvanth G Nayak  Praveen  Edwin S D' Souza  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and		Vinayachandra	*	
Elections  Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  M Rajeshwari  Yashvanth G Nayak  Commerce  Our Heritage  Praveen  Edwin S D' Souza  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and	, ,	K Geetha Poornina	Science	_
Rural Banking through Internet: A Study on Awareness and Use of E- Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Yashvanth G Nayak Commerce Our Heritage  Praveen  Edwin S D' Souza Chemistry Analytical and Bioanalytical Chemistry  Chemistry Journal of Materials and			-GE	Conference Series
Study on Awareness and Use of E-Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Praveen  Edwin S D' Souza  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and	Elections	M Rajeshwari		
Banking Services Among Rural Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Praveen  Edwin S D' Souza  Chemistry  Analytical and Bioanalytical Chemistry  Chemistry  Journal of Materials and		Yashvanth G Nayak	Commerce	Our Heritage
Consumers  Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Edwin S D' Souza  Chemistry Analytical and Bioanalytical Chemistry  Chemistry  Chemistry  Journal of Materials and		D		
Polymer Modified Carbon Paste Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Edwin S D' Souza  Chemistry Analytical and Bioanalytical Chemistry  Chemistry  Tournal of Materials and		Praveen		
Electrode as a Sensitive Sensor for the Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Bioanalytical Chemistry  Bioanalytical Chemistry  Chemistry  Journal of Materials and		Edwin C D' Co	Chamista	Analytical and
Electrochemical Determination of Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Chemistry  Chemistry  Chemistry  Journal of Materials and		Edwin S D Souza	Chemistry	_
Riboflavin and Its Application in Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Chemistry Materials and				•
Pharmaceutical and Biological Samples  Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Chemistry Materials and				
Arginine Electropolymerized Carbon Nanotube Paste Electrode as Sensitive  Chemistry Journal of Materials and				
Nanotube Paste Electrode as Sensitive Materials and	and Biological Samples			
	1 .		Chemistry	
				Materials and
and Selective Sensor for	and Selective Sensor for			

Electrochemical Determination of			Environmental
Vanillin			Sciences
Study on Trace Elements	Chandrashekara Kulal	Physics	Biological Trace
Concentration in Medicinal Plants			Element Research
Using			
EDXRF Technique			

12. Number of books and chapters in edited volumes/books published and papers published in national/international conference proceedings during year.

Nme of the	Title of the	Title of the paper	Title of the	Name of the
teacher	book/chapters	AND	proceedings of	conference
	published		the conference	
Ashith V K	FAIT	Characterization of	CONFERENCE	INTERNATIONAL
		Spin Coated Cu	PROCEEDINGS:	CONFERENCE
		Incorpor <mark>ated</mark> ZnS Thir	ICEMA - <mark>2022</mark>	ON
		films for Photovoltaic		EMERGING
		Appli <mark>cations</mark>		MATERIALS AND
				ITS APPLICATIONS
Deepak D'		Character <mark>iza</mark> tion of	CONFERENCE	INTERNATIONAL
Silva		Spin Coated Cu	PROCEEDINGS:	CONFERENCE
		Incorporated ZnS Thir	ICEMA -2022	ON
		films for Photovoltaic		EMERGING
		Applications		MATERIALS AND
				ITS APPLICATIONS
Elias Pinto	Dimensions of Yog <mark>a</mark>			
	and healthy Living		D 11 C.1	DAE DDWG
Antony	·	Estimating the	Proceedings of the	DAE-BRNS
Prakash		Branching Ratio for	DAE-BRNS	Symposium on
Monteiro		Bottomonium:	Symposium on	Nuclear Physics
		Two Gluon and Two	Nuclear Physics	
		Photon Decay Widths Analysis of Ground	Proceedings of the	DAE-BRNS
		State Wave Function o	_	Symposium on
	7,7	Effective Hulthen	Symposium on	Nuclear Physics
	Phi	Potential Potential	Nuclear Physics	Nuclear Thysics
		Analysis of Ground	Proceedings of the	DAE-BRNS
		State Energy Spectrum	_	Symposium on
		of Effective Hulthen	Symposium on	Nuclear Physics
		Potential	Nuclear Physics	
		Instanton Contribution		DAE-BRNS
		to Orbitally Excited	DAE-BRNS	Symposium on
		States of	Symposium on	Nuclear Physics
		Bottomonium Mass	Nuclear Physics	-
		Spectra		
Praveen		Estimating the	Proceedings of the	DAE-BRNS
Prakash D		Branching Ratio for	DAE-BRNS	Symposium on
Souza		Bottomonium:	Symposium on	Nuclear Physics
			Nuclear Physics	

PARTY PROVIDE
* *
SP PHILOMENA COLLEGE

		Two Gluon and Two Photon Decay Widths		
		Analysis of Ground State Wave Function o Effective Hulthen Potential	Proceedings of the DAE-BRNS Symposium on Nuclear Physics	DAE-BRNS Symposium on Nuclear Physics
		Analysis of Ground State Energy Spectrum of Effective Hulthen Potential	Proceedings of the	DAE-BRNS Symposium on Nuclear Physics
		Instanton Contribution to Orbitally Excited States of Bottomonium Mass Spectra		DAE-BRNS Symposium on Nuclear Physics
Vipin Naik N S	FAIT	Estimating the Branching Ratio for Bottomonium: Two Gluon and Two Photon Decay Widths	Proceedings of the DAE-BRNS Symposium on Nuclear Physics	DAE-BRNS Symposium on Nuclear Physics
		Analysis of Ground State Wave Function o Effective Hulthen Potential	Proceedings of the DAE-BRNS Symposium on Nuclear Physics	DAE-BRNS Symposium on Nuclear Physics
		Analysis of Ground State Energy Spectrum of Effective Hulthen Potential	Proceedings of the	DAE-BRNS Symposium on Nuclear Physics
		Instanton Contribution to Orbitally Excited States of Bottomonium Mass Spectra	Proceedings of the DAE-BRNS Symposium on Nuclear Physics	DAE-BRNS Symposium on Nuclear Physics
Edwin D Souza	Fabrication, Characterization and application of poly (acriflavine) modified carbon nanotube paste electode for the electrochemical determination of catehol	OMENA CO	LLEGE	

# 13. Awards and recognitions received for extension activities from government / government recognized bodies

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ government recognised bodies
Recognized Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution	Recognition for constituting SES REC Action Plan and constituted ten working groups for improving facilities in the Campus and the Community/Adopted Villages in the areas of Sanitation & Hygiene, Waste Management, Water Management, Energy Conservation and Greenery post COVID-19	Mahatma Gandhi National Council of Rural Education (MGNCRE), MoE
FIT INDIA Freedom Run 2.0	Letter of Appreciation to the Institution for successfully organising FIT INDIA Freedom Run 2.0 as a part of Azadi Ka Amrit Mahotsav	Ministry of Youth Affairs and Sports, GoI
Spit Free India Movement	Leadership Certificate to Mr Dinakar	State NSS Cell
Spit Free India Movement	Leadership Certificate to Ms Sahana P G	State NSS Cell
National Integration Camp - 2021	Mr Lavin J V represented Mangalore University in National Integration Camp conducted by Karnataka University, Karnataka	Department of Youth Empowerment and Sports; State NSS Cell; Regional Directorate of NSS, Ministry of Youth Affairs & Sports, Govt. of India
NSS National Integration Camp	Ms Sailee Vittal Suvarna represented National Integration Camp conducted by Mangalore University	Department of Youth Empowerment and Sports; State NSS Cell
Republic Day camp	SUO Raksha Anchan represented Kar & Goa Directorate in Republic Day Camp held at New Delhi from 20 December 2020 to 29 Jan 2021	Director General, NCC India
Commendable and efficient contribution rendered to the NCC with exemplary attributes for the year 2020	SUO Raksha Anchan received appreciation letter from Director General National Cadet Corps on 29 Jan 2021	Director General, NCC India
Rendered service of a very high order, thus enhancing the image of the NCC and winning laurels for Karnataka state	SUO Raksha Anchan received Commendation by the Chief Minister of Karnataka on 06 February 2021	Government of Karnataka
Commendable and efficient contribution rendered to the	Lt Johnson David Sequeira, ANO received appreciation letter from Director General National Cadet Corps on 29 Jan 2020	Director General, NCC India

NCC with exemplary attributes		
for the year 2019		
Preparedness of a Rover /	RAJYAPURASKAR award to Ms Mishal	The Bharat Scouts
Ranger for service to God,	Siyona Menezes on service to mankind	and Guides,
country and fellow being		Karnataka
Preparedness of a Rover /	RAJYAPURASKAR award to Mr	The Bharat Scouts
Ranger for service to God,	Chandraksha K on service to mankind	and Guides,
country and fellow being		Karnataka
Preparedness of a Rover /	NIPUN award to Mr Mohammad Haroon on	The Bharat Scouts
Ranger for service to God,	service to mankind	and Guides,
country and fellow being		Dakshina Kannada
Preparedness of a Rover /	NIPUN award to Mr Pradyumna on service to	The Bharat Scouts
Ranger for service to God,	monkind	and Guides,
country and fellow being	manking AND	Dakshina Kannada
	NIPUN award to Mr Veeksha on service to	The Bharat Scouts
Preparedness of a Rover /	mankind	and Guides,
Ranger for service to God,	Illalikillu	
Country and fellow being	NIDIN award to Mr. Chaidha. II	Dakshina Kannada
Preparedness of a Rover /	NIPUN award to Mr Chaithra U on service to	The Bharat Scouts
Ranger for service to God,	mankind	and Guides,
country and fellow being		Dakshina Kannada
Service in SSLC exam centre	Covid-19 Warrior recognition to Ms	The Bharat Scouts
during Covid-19 pandemic	Chaithanya	and Guides,
		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Mr	The Bharat Scouts
during Covid-19 pandemic	Chandraksha	and Guides,
	1	Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Mr	The Bharat Scouts
during Covid-19 pandemic	Mohammad Ashik	and Guides,
		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Mr Narendra	The Bharat Scouts
during Covid-19 pandemic		and Guides,
8		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Ms	The Bharat Scouts
during Covid-19 pandemic	Nishmitha	and Guides,
during covid 19 pandenne	TUSHING	Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Mr	The Bharat Scouts
during Covid-19 pandemic	Pradyumna Pradyumna	and Guides,
during Covid-17 panderine	Tadyumia	Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Ms	The Bharat Scouts
during Covid-19 pandemic	Ramyhashree M P	and Guides,
a , , aar c	C '110W ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Mr Sathwik	The Bharat Scouts
during Covid-19 pandemic	S (25 - 03 July 2020)	and Guides,
a		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Ms Sharmila	The Bharat Scouts
during Covid-19 pandemic		and Guides,
		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Ms Sharanya	The Bharat Scouts
during Covid-19 pandemic	K	and Guides,
<del>-</del>		Karnataka

Service in SSLC exam centre	Covid-19 Warrior recognition to Mr Shravan	The Bharat Scouts
during Covid-19 pandemic		and Guides,
		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Ms Snigdha	The Bharat Scouts
during Covid-19 pandemic	М Ј	and Guides,
		Karnataka
Service in SSLC exam centre	Covid-19 Warrior recognition to Mr Sathwik	The Bharat Scouts
during Covid-19 pandemic	S (21 - 29 September 2020)	and Guides,
		Karnataka
Service in SSLC exam centre	Letter of Appreciation to Mr Sathwik	Karnataka
during Covid-19 pandemic		Secondary
		Education
	AND	Examination Board
Service in SSLC exam centre	Letter of Appreciation to Ms Nishmitha K	Karnataka
during Covid-19 pandemic	Level V	Secondary
FA	ITY SERVICE	Education
	A	Examination Board
Preparedness of a Rover /	RAJYAPURASKAR award to Mr	The Bharat Scouts
Ranger for service to God,	Mohammad Ashik on service to mankind	and Guides,
country and fellow being		Karnataka
Preparedness of a Rover /	RAJYAPURASKAR award to Mr Nihal Naik	The Bharat Scouts
Ranger for service to God,	on service to <mark>ma</mark> nkind	and Guides,
country and fellow being		Karnataka

14. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non-Government Organizations

Name of the activity	Organising unit/agency/collaborating agency	Name of the scheme
Sky Watch Program  – SPC Puttur	PG and UG Department of the College	Awareness Building
Soak Pit Abhiyan  – at Gram Panchayat Narimogaru	Department of Social Work in collaboration with Gram Panchayath Narimogaru	Awareness Building
Stop Mannual Scaveging  – at Grama Panchayath Kodimbady	Department of Social Work in collaboration with Grama Panchayath Kodimbady	Awareness Building
Covaccine Lasika Abhiyan  – door to door campaign	NSS as per Government of India Circulation	Awareness Building
Awareness Program during COVID-19 Lockdown Period – via Online Platforms	NCC unit of the College	Awareness Building
FIT INDIA FREEDOM RUN 2.0  – College Ground to Darbe Circle	NCC, Dept of Physical Education, Rovers and Rangers, Fine Arts	Awareness Building
World Environment Day  – via Online Platforms and plantation at Students' Home	NSS unit of the College	Environment

PARTY AND THEFT
S ONLONG COLUMN

Spit Free India Movement  - College Ground to Darbe Circle	NSS unit of the College	Awareness Building
Covid 19 Janajagruthi Abhiyan  – door to door campaign	NSS, NCC and Rovers and Ragers Units of the College	Awareness Building
Self Defence  – at Primary School Shanthinagara	PG Department of Social Work in collaboration with DKZP Higher Primary School Shanthinagara	Awareness Building
Cleanliness Program  – at gram Panchayath Narimogaru	PG Department of Social Work in collaboration with Gram Panchayath Narimogaru	Awareness Building
COVID-19 Vaccination Awareness Camp – at Sthree Shkthi Bhavana	PG Department of Social Work in collaboration with Grama Panchayath Aryapu	Awareness Building
COVID-19 Vaccination Awareness Program  – at Gram Panchayath Bannur	PG Department of Social Work in collaboration with Gram Panchayath Bannur	Awareness Building
Endosulfan Health Awareness Program  – at Grama Panchayath Aryapu	PG Department of Social Work in collaboration with Grama Panchayath Aryapu	Awareness Building
COVID-19 Awareness Campaign  – at Gram Panchayath aryapu	PG Department of Social Work in collaboration with Grama Panchayath Aryapu	Awareness Building
COVID-19 Awareness Campaign – at Grama Panchayath Ariyadka	PG Department of Social Work in collaboration with Grama Panchayath Ariyadka	Awareness Building
COVID-19 Awareness Campaign – at DKZP Higher Primary School Kodimbady	PG Department of Social Work in collaboration with DKZP Higher Primary School Kodimbady	Awareness Building
COVID-19 Awareness Campaign  – at Gram Panchayath Bannur	PG Department of Social Work in collaboration with Gram Panchayath Bannur	Awareness Building
Career Guidance Program  – at DKZP Higher Primary School  Kodimbady	PG Department of Social Work in collaboration with DKZP Higher Primary School Kodimbady	Awareness Building
Poshan Abhiyan  – at Beeriga Anganwadi Kendra	PG Department of Social Work in collaboration with Beeriga Anganwadi Kendra	Awareness Building
Science Model Exhibition  – at Kudipady School	PG Departement of Physics in collaboration with DKZP Higher Primary School Kudipady	Educative Program
Great Conjunction of Jupitar and Saturn  – at College Ground	PG and UG Departement of Physics in collaboration with DKZP Higher Primary School Kudipady	Educative Program
COVID-19 Awareness Rally  – at Darbe Circle Puttur	YRC, NSS, NCC, Rovers and Rangers as per Government of India Circulation	Awareness Building
Fit Puttur Mission – at SPC Puttur	Department of Physical Education in collaboration with Rotary Yuva Puttur	Health and Hygiene

# 15. Number of MoUs, collaborations/linkages for Faculty exchange, Student exchange, Internship, Field trip, On-the- job training, research and other academic activities during the year:

Name of the MoU / Collaboration / linkage	Name of the collaborating agency / institution / industry / corporate house	Duration of MoU / collaboration / linkage
LOU between SPC Puttur and Srinivas Bhat and Associates, Uppinangady for Academic Cooperation and Knowledge Enhancement	Srinivas Bhat and Associates, Uppinangady	15-12-2021 to 15- 12-2024
Industry Academia Collaboration Program between SPC Puttur and BOSCH Limited Bangalore	BOSCH Limited Bangalore	13-10-2021 to 13- 10-2022
LOU between SPC Puttur and Union Cricketers Puttur for Mutual Cooperation and Knowledge Enhancement	Union Cricketers Puttur	05-10-2020 to 05- 10-2023
LOU between SPC Puttur and Puttur Taluk Ameteur Kabaddi Assocaition for Mutual Cooperation and Knowledge Enhancement	Puttur Taluk Ameteur Kabaddi Assocaition	25-09-2020 to 25- 09-2023
Letter orf Cooperation between SPC Puttur and KSRTC, Puttur Division for Field Work Practicum	Karnataka State Road Transport Corporation, Puttur Division	02-01-2020 to 02- 02-2020

# 16. Number of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during the year

Name of the scheme	Number of students benefited by government scheme and amount	
	Number of students	Amount
Backward Classes Welfare Department	266	1477710
Karnataka State Brahmin Development Board	14	210000
Social Welfare Department/Tribal Welfare Department	92	1299270
Freeship sponsored by the Institution		
GOI, Ministry of Science & Technology, INSPIRE Scholarship	8	640000
Sanchi Honnamma Scholarship	19	38000
Sir C V Raman Scholarship	19	95000
Sitaram Jindal Scholarship	7	47400
Department of Minority welfare	191	963000
Post Matric scholarship for Minorities CS	119	713100
Central Sector Scheme for College and University students	23	260000

# 17. Career guidance programmes organized by the Institution:

Title of the Career guidance programme	No of Students Benefited
Coaching for IBPS Examination	34
Higher educational opportunities after UG-higher educational institutions	9
Coaching for NET/ SET- Dept of PG Physics	26
Training programme on employability skill	131
Coaching for NET/SET- Dept of PG Computer Science	8
Coaching for NET/SET- Dept of PG Social Work	12
Career Guidance program on be a brand yourself	125
Career Guidance programme on how to get ready for placements	109
Coaching for NET/KSET - Dept of PG Mathematics	23
Soft Skill Program on Management education for the bright future	151
Career as company secretary course and job opportunities	151
Career Guidance programme on cyber security Ethical hacking and cyber security as a career	89
Career Guidance programme on Career in management education	151
Coaching for JAM Examination	80
Coaching for Entry into Defence Sector-Elementary Mathematics	108

# 18. Capacity building and soft skill programmes offered by the institution:

Title	Date on which program held	No of students benefited
Skill development programme on Cyber Security, Ethical Hacking and Cyber Security as a Career	19-06-2020	89
Training programme on Yoga	17-06-2020 to19-06-2020	70
Fit India Run Programme	13-08-2021 to 02-10-2021	88
Career gudiance programme on be a brand yourself	12-06-2021	125
Cyber security and Personal data Protection	14-07-2021	109
Career Guidance programme on how to get ready for placements	03-07-2020	109
Workshop on employability skill	15-02-2021	131
Coaching for IBPS Examination	15-02-2020	34

### 19. Professional Development Programs for Teaching/Non-Teaching Staff Members

List of Professional development programmes organized by the institution for Teaching and non teaching staff members of the institution:

Title of the Programme	Date
Workshop on E content Creation, Uploading and LMS	
Management	17-08-2020 & 24-08-2020
Training Program on ERP Solutions	06-11-2020 to 07-11-2020
Training Program on MULINX- Mangalore University	
Examination Software AND	11-12-2020 to12-12-2020

### 20. Sports and Games

• Participation in sports and other physical activities can have many benefits for students. It improves health, self-confidence, team work, builds character, social skills, leadership skills, career and passion. It provides an enriching and stimulating learning environment in which each student will grow to their maximum potential. With a true spirit of learning and development, the College intends to usher students onto the path of learning eternal values. The major achievements in the sports are:

SERVICE

FAITH

- Men's and Women's Swimming teams have bagged Runners up Trophy in the MUIC Swimming Championship. Men's team bagged 13 Gold, 2 silver medals and women's team bagged 7 gold, 5 silver and 2 bronze medals. Roysten Rodrigues, II B.Com. bagged 13 gold and 2 silver medals and 2 bronze medals, Sinchana D. Gowda, I B.Com. secured 7 gold, 5 silver and 2 bronze medals, Bindhya R., III B.Sc. secured 2 gold medals, Vaishnavi Rai, II B.Com. secured 2 gold medals.
- Men's Best Physique team secured championship trophy in the Mangalore University Inter Collegiate Best Physique Championship. Swasthik, II B.com. bagged gold medal in 90 kg, Yogisha K., I M.Sc. secured silver medal in 60 kg, Adarsh B., III B.com. secured silver medal in 65 kg and Shihabudden, I BSW secured bronze medal in 90 kg categories.
- Men's Athletic team secured over all third position in the Mangalore University Inter Collegiate Athletics Championship. Harshith K., I BA secured silver medal in 5000 mts, Karthik P., I B.Com. secured bronze medal in 800 mts and Kiran Rai S., II B.Com. bagged bronze medal in Pole Vault.
- College Football team entered the semi-final and secured fourth place in the Mangalore University Inter Collegiate Football tournament.
- Bindhya R., III B.Sc. secured 1 silver medal, 1 bronze medal and Sahana P.G., I B.Sc. bagged 2 bronze medals at Women's Open National Karate Championship.
- Badminton team bagged bronze medal in the Mangalore University Inter Collegiate Badminton Championship.
- Sinchana D. Gowda, I B.Com. has bagged silver medal at Women's Inter-National Surfing Championship.



- Yashmitha, II B.Sc. represented Kerala State at Junior National Throwball Championship.
- Men's Football team won State level invited Inter Collegiate MICA Football Tournament. The College 'A' team bagged First place and 'B' team secured runners up at state level invited Mahajan Cup Football Tournament and won Championship at the Inter District Open Football tournament.
- Deekshith M., I B.A secured silver medal in 10,000 mts Walking Race under the age 20 Category.
- In the Javelin Throw competition K. Hisham Ahmed, I B.A secured silver medal under the age 18 category and Akshay Lal, I BSW secured bronze medal in under 18 age category.
- Pavan P.R., II BBA participated at the South Zone Inter University Hockey competition. Chikkegowda, III BA, Pandyan, III BA, Aravinda, III BA, Dheeraj Srinivas, I BSW, Prathamesh, I BSW and Mohammad Junaide, I BSW participated in the South Zone Inter University Football tournament.
- Thejaswini, I BA participated in South Zone Inter University Football tournament, Nachappa K.D., I B.Com. participated in All India Inter University Football tournament. Yashmitha M., II B.Sc. participated in Junior National Senior South Zone Throwball tournament. Roysten Rodrigues, II B.Com. participated in All India Inter University Swimming competition. Precil C.P., II BBA participated in South Zone Inter University Basketball tournament.

#### 21. Conclusion

IQAC has conducted regular meetings and monitored the overall activities. A number of workshops, seminars, faculty development programs, and student-centric activities, community reach programs are conducted to enhance the capability of students and teachers. The College has given thrust for Research and infrastructure developments. The year's brief report reminds us of the Founder's Nobel intention, the Institution's vision, and mission, and to trace a long journey of excellence ahead. PHILOMENA COLLEGE