



NIRMALA COLLEGE OF PHARMACY
Muvattupuzha, Ernakulam, Kerala 686661

ANNUAL REPORT 2021-22



Nirmala College of Pharmacy

Muvattupuzha – 686661

(OWNED & ADMINISTERED BY THE DIOCESE OF KOTHAMANGALAM)

Affiliated to Kerala University of Health Sciences, Thrissur,
Approved by Government of Kerala,
Pharmacy Council of India (PCI), New Delhi,
Accredited by International Accreditation Organization (IAO), USA,
National Board of Accreditation (NBA), New Delhi, India
Certified by International Standardization of organization (ISO 9001-2015)



Annual Report 2021-2022

Submitted to the Management Board

On

1st December 2022

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ANNUAL REPORT FOR THE ACADEMIC YEAR 2021-2022

Your Excellency Mar George Madathikandathil, beloved Patron of all Colleges, Rev. Msgr. Dr. Pious Malekandathil, Manager. Rev. Fr. Paul Nedumpurath, Higher Education Secretary, Rev.Fr. Mathew Mundackal Education Secretary, Rev. Fr. Jose Pullopillil, Administrator of Nirmala College of Pharmacy and Rev. Fathers, distinguished *Principals* and respected members of the Managing Board, I take this opportunity to present before you a brief report of the various activities, new ventures and achievements of Nirmala College of Pharmacy for the academic year 2021-2022.

Inauguration of First year programs:

Academic year 2021-2022 commenced on 29th November 2021 for the first year Pharm D and first Semester B.Pharm, in the gracious presence of Rev. Msgr. Dr. Pious Malekandathil, Manager. Rev. Fr. Jos Mathai Mailadiath, former Administrator and Chief Guest Prof. K.V Thomas, Principal of Nirmala College. Principal Dr. Badmanaban.R welcomed the gathering.

Commencement of Academic year 2021-2022: We have commenced the regular classes for

Various Programs /courses		Classes commenced on
I Sem B.Pharm	(2021-2025 Batch)	29 th Nov 2021
II Sem B.Pharm	(2021-2025Batch)	29 th Sept 2022
III Sem B.Pharm	(2020-2024Batch)	19 th April 2022
IV Sem B.Pharm	(2020-2024 Batch)	7 th November 2022
V Sem B.Pharm	(2019-2023 Batch)	22 nd August 2022
VI Sem B.Pharm	(2018-2022 Batch)	22 nd November 2022
VII Sem B.Pharm	(2017-2021 Batch)	1 st October 2021
I Sem M.Pharm	(2022-2024 Batch)	14 th November 2022
II Sem M. Pharm	(2021-2023 Batch)	6 th Dec 2021
III Sem M. Pharm	(2021-2023 Batch)	23 st May 2021

I Pharm.D	(2021-2027 Batch)	29 th Nov 2021
II Pharm.D	(2020-2026 Batch)	15 th Jan 2022
III Pharm.D	(2020-2026 Batch)	4 th Nov 2022
IV Pharm.D	(2019-2025 batch)	22 nd September 2022
V Pharm.D	(2017-2023 Batch)	9 th August 2022
VI Pharm.D	(2016-2022 Batch)	6 th October 2022

Students Strength at present:

The total strength of students is **503 including 324** at UG (B. Pharm) level and **179** at Pharm.D & PG level. Out of 503 students, 82 are boys and 421 are girls.

Total Faculty strength at present: 60 (Both teaching and non-teaching)

Total teaching **faculty strength is 31**, out of which **13 are PhD** holders and **11 are** pursuing PhD's. **25** are non-teaching staff including office and library.

Deputation of staff for higher Education

Faculty pursuing their PhD programs under various Universities.

- | | |
|----------------------|--|
| 1. Flowerlet Mathew | VIT University, Vellore, Tamilnadu |
| 2. Jobin Kunjumon | Vinayaka Mission university, Tamilnadu |
| 3. Manu Jose | JJT University, Rajasthan |
| 4. Lins Mary Joy | JJT University, Rajasthan |
| 5. Sini Baby | JJT University, Rajasthan |
| 6. Anu Jayamol | JJT University, Rajasthan |
| 7. Elseena Jose | JJT University, Rajasthan |
| 8. Merrin Joseph | JJT University, Rajasthan |
| 9. Nancy Jose | JJT University, Rajasthan |
| 10. Elizabeth Xavier | KUHS University, Kerala |
| 11. Antriya Anne Tom | KUHS University, Kerala |

1. NEW VENTURES AND ACHIEVEMENT OF THE COLLEGE - FROM 2021-2022

It is a pride that our institution has completed **18 years** of effective and prestigious service to Pharmacy profession. College is in the path of achieving international education Standard.

Existing NBA **accreditation for B.Pharm Program** has extended till 30th June, 2025, after the revisit by NBA team of two members held on 15th July 2022, Chairman and experts appreciated the Administrator Rev. Fr. Jose Pullopillil and the principal for maintaining the standards and Ambience of the college and with suggestions for further improvisation during their exit meeting time.

Submitted the compliance report for the year 2022 to International Accreditation **Organization** (IAO) USA conferred on us in the year 2021 and **Universal Certification Ltd UK** Certified us under ISO **9001:2015** in the year 2021 and both have extended their **validity till 2024**.

An Inspection was conducted by the Kerala University of Health Sciences, Thrissur on 17th May 2022 for extension of affiliation of existing courses as a surprise inspection for the academic year 2022-2023. We got the approval from KUHS and PCI extended approval till 2022-2023 for Pharm D and 3 courses of M.Pharm and B.Pharm till 2024 without inspection in this year.

Nirmala College of Pharmacy has established **Institutional Innovation Cell (IIC)** as per the norms of 'MoE's Innovation Cell (MIC)', Govt. of India to foster the culture of Innovation amongst all Higher Education Institutions (HEIs). IIC helps the students and institute to get involved in innovative activity and Knowledge gaining. IIC activity also helps for Atal Ranking of Institutions on Innovation Achievements Framework and develop the Cognitive ability for Technology Students. In 2021-2022 academic year we have conducted **26 activities** under the theme Innovation, Start-up, IPR, and Entrepreneurship. We got 2-star rating among the Pharmacy colleges in India.

1.1 RESEARCH AWARDS

Innovation & Entrepreneurship development Centre (IEDC), an initiative of Kerala Start up mission is established in the year 2022 with the objective of developing entrepreneurship culture among students. To provide entrepreneurship awareness and orientation, IEDC conducted 12 **events which includes workshops, orientation programs, and Experience sharing's** for various batches of students. The Centre has been awarded “Special Mention Award” in the Innovators Premier league organized by Kerala Start up mission and bagged nearly **4.5 Lakhs funding** in various categories as follows

Type of Achievement	Amount	Received by
IEDC Grant	2,00000	IEDC Centre
Idea grant	2,00000	Dr. Fels Saju
Idea grant	50,000	Maria George & Team mentored by Dr. Manju Maria Mathews

We also established **Entrepreneurship development club** of District Industrial development center. We have received a funding of **20000/-** from Govt. of Kerala for the ED cell activities.

Secured **Best Performer award in Innovators Premier League 2022**, a campaign to promote innovation and research among college and school students, and the local community by Kerala Startup Mission.

Certificate of Appreciation – for the participation in the **National Intellectual Property Awareness Mission (NIPAM)** by Govt. of India in 2022.

Best **ISPOR (Professional Society for Health Economics and Outcome Research) student chapter award – 2021 from LMIC** (Low-Middle income countries) for its activities

Pharmacovigilance Program of India (PVPI) established adverse drug reaction monitoring center in Nirmala medical center with joint effort of Nirmala College of Pharmacy on 07/12/2021, it aims to promote spontaneous report of ADR in order to ensure patient safety.

The entire functioning of the college has been switched to **Enterprise Resource Planning software (ERP) under Campus 7 platform** from 21st April 2021 which helps the management and staff for smooth functioning and monitoring of academic and non-academic activities more precise.

Constituted IQAC (Internal quality Assurance Cell) in our college for quality Initiatives, Quality Sustenance and quality enchantment, so far 02 meeting were conducted one with our manger and other with our administrator. IQAC will help us to prepare the Self-study report for NACC.

For student's development and support the various programs, **Seven distinguished clubs** such as Music club , Dance & Drama Club , Media & Photography club , Literary & Oratory Club , Sports Club , Art & Design Club and Nature club were initiated to develop harmony among faculty and students in the last academic year 2021-2022.

1.2 Achievements by students:

Students participated in various programs at pharmacy colleges and professional associations throughout the academic year 2021-2022

GPAT training was conducted in online/offline mode for B. Pharm students. **One** of them, Ms. Aiswarya Suresh succeeded with valid and high **GPAT score** in the year 2022 and qualified NIPER All India Exam 2022 and got admission in NIPER, Hajipur.

1.3 Awards and Honors:

Anuvindh Suresh, 7th sem B. Pharm won third prize in **Strings-western** in KUHS central zone arts fest organized by KUHS.

Kavya E M, 7th sem B. Pharm won second prize in Photography in KUHS central zone arts fest organized by KUHS.

Kavya EM, 7th sem B. Pharm won third prize in **Photography** in KUHS inter zone arts fest organized by KUHS.

Camila A Carlman, 5th Pharm.D won second prize in **Elocution** organized by IPA in connection with National Pharmacy week celebrations.

Christy Sojan & Ann mary Bosco, 5th Pharm.D won third prize in **poster making** organized by IPA in connection with National Pharmacy week celebrations.

Saneesh U S & Joicy Joy, 7th sem B. Pharm won 2nd prize in **quiz** competition in National Conference organized by Mookambika college of pharmaceutical sciences & Research.

1.4 Achievements by staff:

Around **05 faculty** members Dr. Fels Saju, Mr. Manu Jose, Dr. Prasanth B Dr. Prasanth Francis and Dr. Badmanaban.R, had interacted with other institutions as resource **person** in various national and international conferences. 03 faculty members, Dr. Karthikeyan and Dr. Deepa M.K presented oral and **e-poster presentation** at Amrita School pharmacy respectively & Mr .Jobin Kunjumon had done an Oral Presentation at National Seminar Organized by Vinayaka Missions University

Total **09** consultancy works were carried out with our facility in the academic year 2021-2022 by Dr Danish Joseph, Dr. Fels Saju and Mr. Manu Jose for various UG and PG projects of other colleges at our facility.

In each Academic events:

Planning of events and its periodicity got published in handbook and calendar also.

Event	Periodicity
Staff prayer, Principal and Admin briefing and National Anthem	Everyday
Orientation classes (students)	At the beginning of first year
Orientation classes (staff)	On every possible opportunity
Industrial visit	Once in every year
Day celebrations	Two or three in every month
Arts day	Once in a year
Sports day	Once in a year
College day	Once in a year
Sessional exam	As per KUHS.
Staff meeting	Once in a month / as needed
Departmental seminar	Once in three months

Career guidance	Throughout the year possible
Placement drives	Possible maximum chances
Board meeting	Once in six months
Journal club	Once in every 3 months
IQAC internal audit	Once in 6 months
Staff appraisal	Once in a year
Ethical committee meeting	As required
Alumni meet	Once in a year

2. Academic Activities/ Curricular activities

2.1 KUHS Results analysed for all the details published from 2021 to 2022 are as follows:

Present Status of the existing Sem/year	Date of result published	Semester /Year	Pass % is
VII th Semester B.Pharm	05-11-2022	VI Semester	92.06 %
	19-04-2022	V Semester	90.47 %
V th Semester B.Pharm	17-09-2022	IV Semester	70.97 %
	23-03-2022	III Semester	83.87 %
IV th Semester B.Pharm	19-08-2022	II Semester	73.47 %
	11-05-2022	I Semester	75.00 %
VI th year Pharm D	27-09-2022	V Pharm D	100 %
	10-02-2022	IV Pharm D	93.33 %
V th year Pharm D	11-11-2022	IV Pharm D	100 %
	10-03-2022	III Pharm D	96.5 %
IV th year Pharm D	17-11-2022	III Pharm D	88.88%
	24-02-2022	II Pharm D	68.9 %
III rd year Pharm D	Not yet published	II Pharm D	NA
	12-04-2022	I Pharm D	36.66 %
I year Pharm D	Exams on February	I Pharm D	NA

2.2 ADD ON COURSES

Add-on courses commenced during the academic year 2021-22

Sl. No.	Name of courses
1.	Communicative English
2.	Orientation To Pharmacy Industry
3.	Dietary Supplements and Nutraceuticals
4.	Herbal Pharmaceutics and Cosmetics
5.	Concept And Application Pharmacoeconomics- Advance Level

Value-added programmes for B.Pharm/Pharm D/M Pharm students

Sl. No.	Add-On Course	Course offered to the batch	Number of students completed the add on course
1	Basic Course In Yoga And Medication	First semester B Pharm (2021-2025 Batch)	97
2	Communicative English	First Pharm D(2021-2027), Sixth B Pharm(2018-2022)	194
3	Orientation To Pharmacy Industry	Final year B Pharm (2015-2019)	1
4	Dietary Supplements and Nutraceuticals	B. Pharm 2 nd Year (2020- 2024)	98
5	Herbal Pharmaceutics and Cosmetics	Pharm D 2 nd Year (2020-2026)	30
6	Concept And Application Pharmacoeconomics-	Pharm D 5 th year (2017- 2023) Pharm D 4 th year	60

	Advance Level	(2018-2024)	
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2.3 SEMINARS, WORKSHOPS, INVITED TALKS CONDUCTED

Around **19** workshops/seminar/guest lectures were conducted in our college **by faculty members** for the enhancement of teaching and learning in the year 2021-2022.

SL NO	Name of faculty	Programme	Date
1	Prof. Dr. Deepa Jose	IPRs and IP Management for start up	21- 05-2022
2	Ms AnuJayamol Mathew	Innovative idea, strategies for writing successful grant proposal and importance of IPR. (FDP-8 days)	24 to 31 August 2021
3	Ms. Nancy Jose	“INNOVATIVE IDEA, STRATEGIES FOR WRITING SUCCESSFUL GRANT PROPOSAL AND IMPORTANCE OF IPR” Four day Online In-house Faculty Development Program	24 ,25 ,26 & 31 August 2021.
4	Dr. Shaji George	Systematic Review and Meta-Analysis (Workshop And Hands-On Training)	23-05-2021
5		A Pathbreaking Perspective in	15-09-2021

		Pharmacy Practice – An International Viewpoint (International Webinar)	
6	Mr. Jobin Kunjumon	Intravenous Medication Safety and Role of Practising Pharmacist National Webinar	02/09/21 - 03/09/21
7	Mrs. Lins Mary Joy	“Innovative Idea, Strategies For Writing Successful Grant Proposal And Importance Of Ipr” Four day Online In-house Faculty Development Program	24 ,25 ,26 & 31 August 2021.
8		IPRs and IP management for start up Workshop	31-05-2022
9	Dr. Fels Saju	‘ Innovative idea, strategies for writing successful grant proposal and importance of IPR’ (FDP)	24-31/08/2021
10	Mrs. Vidya Peter	“Innovative Idea, Strategies For Writing Successful Grant Proposal And Importance Of Ipr”	24 ,25 ,26 & 31 August 2021.
11	Mr. Anandhu	Role of molecular docking and ADME	11/30/2021

		in Drug Discovery using SeeSAR and StarDROP	
12		Natural products as potential anticancer lead molecules: from idea to market	03/12/2021
13	Mrs. Sini Baby	A pathbreaking perspective in pharmacy practice	9/15/2021
14		Role of molecular docking and ADME in Drug Discovery using SeeSAR and StarDROP	11/30/2021
15		Natural products as potential anticancer lead molecules : from idea to market	03/12/2021
16	Sunitha Sukumaran	current state of natural product drug discovery: novel drug discovery innovations	25/11/2021
17		Role of molecular docking and ADME in Drug Discovery using SeeSAR and StarDROP	11/30/2021
18		Natural products as potential anticancer lead molecules: from idea to market	03/12/2021
19	Dr. Prasanth B	IPRs and IP	31/5/22

		management for start up	
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List of FDP Attended by our Faculties and Non-Teaching Staffs in this Academic Year

SL NO	Name of Faculty	Designation	FDP	Date
1	Dr.Suja Abraham	Professor	New horizons in pharmaceutical industry and health care:rediscovering indian traditional systems of medicine through novel approaches.	12-07-2021-17-07-2021
2	Mr.Jobin Kunjumon	Assistant Professor	New horizons in pharmaceutical industry and health care:rediscovering indian traditional systems of medicine through novel approaches.	12-07-2021-17-07-2021
3	Ms.Vidya Peter	Assistant Professor	"Foundation Of Pharmaceutical Innovation And Research" (AICTE Training And Learning (ATAL) Academy Online Elementary FDP)	10-09-2021 - 14-09-2021
4	Ms.Linz Mary Joy	Associate Professor	Biological Pharmacy: Advancement & Recent Trends STTP	2 -08-2021 -7-08-2021
5	Dr.Shaji George	Associate Professor	Computer Assisted Design and Manufacturing (CAD/CAM) in clinical diagnosis and therapeutics (FDP by AICTE Training and Learning (ATAL) Academy)	09-08-2021-13-08-2021
6	Ms.Elseena Jose	Assistant Professor	Recent trends in drug discovery (FDP -AICTE sponsored)	13-9-2021-17-09-2021
7	Ms.Anu Jaymol Mathew	Associate Professor	New Horizons in Pharmaceutical Industry and Health Care: Rediscovering Indian Traditional System of Medicine Through Novel Approaches. SSTP	12-07-2021-17-07-2021

8	Mr.Manu Jose	Associate Professor	Recent trends in drug discovery FDP	2021-07-05 to 2021-07-09
9	Ms.Nancy Jose	Associate Professor	Recent trends in drug discovery FDP	2021-07-05 to 2021-07-09
10	Dr.Prasanth B	Associate Professor	Recent trends in drug discovery FDP	2021-07-05 to 2021-07-09

Non-Teaching Faculty Training

A workshop for basic first aid was conducted for the non-teaching faculty. All the non-teaching staffs were given Hands-on training to develop their computer usage skills.

S L NO	Name of Non Teaching Staff	Designation	FDP	Date
1	Ms.Bindumol P C	Laboratory Technician	Training on Basic First- Aid	04-06-2022
2	Mr. Saloosh George	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
3	Mr. Anil Jose	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
4	Ms. Salomy Reji	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
5	Mr. Jose Mathew	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
6	Mr. Sijo Francis	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
7	Mr. Shijo George	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
8	Mr. Jolly Joseph	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
9	Mr. Vinse Michael	Laboratory Assistant	Training on Basic First- Aid	04-06-2022
10	Ms. Melby Sunny	Laboratory	Training on Basic First- Aid	04-06-2022

		Assistant		
11	Mr. Reji P S	Store in-charge	Training on Basic First- Aid	04-06-2022
12	Mr. Dino Xavier	Laboratory Assistant	Training on Basic First- Aid	04-06-2022

Student & Staff welfare committee of our college had conducted training for all staff members on the topic Effective Team Building in the month of July 2022.

3. RESEARCH AND DEVELOPMENT ACTIVITIES

3.1 RESEARCH PROMOTIONAL ACTIVITIES

In this Academic year Around **53** Conferences/ FDP /Seminars were attended by Faculties from each Department organized by Various Institutions.

Reports on Faculty development Programs (FDP), professional development /administrative training programs.

SL NO	Name of Faculty	Type of Event (workshop/seminar/ conferences)	Date & Year	Title of the event	Place/Organized by
1	Dr. Deepa Jose	FDP (5 day)	5/7/2021 to 9/7/21	ATAL ACADEMY 1 WK FDP	CPAS CHERUBANDOODR
2		Seminar	6/12/2021	Implications of analytical instrumentation in immunosuppressant analysis	JKKMI, TN
3		Seminar	31/10/2021	Envisioning NAAC SCORE and grading	SPSR
4		Seminar	11/2/2021	Pharma for next destination of	Carithas college

				Pharma industry	
5		Workshop	31/5/22	IPRs and IP Management for start up	NCP
6	Mrs. Sini Baby	Seminar	9/15/2021	A pathbreaking perspective in pharmacy practice	Department of pharmacy practice
7		Seminar	11/30/2021	Role of molecular docking and ADME in Drug Discovery using SeeSAR and StarDROP	Nirmala college of pharmacy, grasenzha Dept. of Pharmaceutical chemistry
8		Seminar	03/12/2021	Natural products as potential anticancer lead molecules : from idea to market	Nirmala college of pharmacy, Muvattupuzha Dept. of Pharmaceutical chemistry
9	Mrs. Anujayamol Mathew	National webinar	30-8-2021	Pharmacy webinar – Galaxy of Job and Business Opportunities.	Caritas college of Pharmacy, Ettumanoor, Kottayam, Kerala
10		FDP (8 day)	24 to 31 - 08-21	Innovative idea, strategies for writing successful grant proposal and importance of IPR.	Nirmala college of pharmacy Muvattupuzha
11		STTP (6 Day)	6-9-2021 to 11-9-2021	New Horizons in Pharmaceutical Industry And Health Care: Rediscovering Indian Traditional System of	AICTE, Al Shifa College of Pharmacy Malappuram, Kerala

				Medicine Through Novel Approaches.	
12		FDP (5 day)	13-9-2021 to 17-9-2021	Recent trends in drug discovery	AICTE training and learning academy & DPS
13		3 Day International conference online	09 to 11 - 09- 2021.	Paper presentation on “DIGITAL MEDICINE” “Paradigm Shift in Global Business Ecosystem Post COVID – 19 Perspectives”	Kerala University of Fisheries and Ocean Studies (KUFOS) & Holy Grace Academy of Management Studies
14	Mr. Manu Jose	FDP (AICTE sponsored)	2021-07-05 to 2021-07-09	Recent trends in drug discovery	AICTE Training And Learning (ATAL) Academy in association with Department of Pharmaceutical Sciences
15	Mrs. Elseena Jose	National Webinar	24-07-2021	Good Laboratory Practice	RVS college of Pharmaceutical Sciences, Coimbatore
16		FDP	13-09-2021 to 17-09-2021	Recent Trends In Drug Discovery	ATAL Academy online advanced FDP
17	Mrs. Sunitha Sukumaran	Seminar	10/23/2021	State of the art molecular modelling tools- Biovia drug discovery suite	JSS college OOTY.
18		Seminar	12/6/2021	Efficient modelling	CHEMISTRY

				of polymers for industrial applications using molecular dynamics	WORLD AND SCHRODINGER
19	Dr. Manju Maria Mathews	Oration and webinar	10-12-2021	Formulation and evaluation of baclofen nanoemulgel for treating localized neuropathic pain”-ORATION	hosted by Vels Institute of Science, Technology and Advanced Studies (VISTAS), Pallavaram, Chennai, Tamilnadu
20		Oration and webinar	11-12-2021	Current Updates and Pandemic-Driven Transformations for Sustainable Pharmacy Education and Research	organized by APP Tamilnadu State Branch & APP Australian International Branch in collaboration with APP Molecular Pharmacology Division
21		webinar	18-9-2021	Industrial perspective of nanopharmaceuticals	QIS College of pharmacy
22	Dr. Fels Saju	Short Term Course	01-08/12/2021	Pre DOE: Basic Statistics for Experimenters	Stat ease Academy
23	Mrs. Vidya Peter	Workshop	5/7/2021-9/7/2021	Recent Trends In Drug Discovery	Department Of Pharmaceutical Sciences, Cheruvandoor
24		STTP	06-09-2021 TO	New Horizons In Pharmaceutical	Department Of Pharmaceutical

			11-09-2021	Industry And Health Care: Rediscovering Indian Traditional System Of Medicine Through Novel Approaches.(Drug Discovering And Analytical Profiling: A Primer For Medicinal Chemists)	Chemistry And Pharmaceutical Analysis. Alshifa College Of Pharmacy
25		AICTE Training And Learning (ATAL) Academy Online Elementary FDP	06/09/2021 To 10/09/2021	"Foundation Of Pharmaceutical Innovation And Research"	Department Of Pharmacy, Central University Of Rajasthan.
26		FDP	30th And 31st Of July 2021	Implimentation Of Antimicrobial Stewardship Program In Health Care And Its Importants	Acharya & BM Reddy College Of Pharmacy, Bengaluru
27		WEBINAR	21/9/2021-24/9/2021	Pharmacognosy Webinar Series	JSS OOTY
28		Online Short Term Training Program (STTP) Phase-II	20th September To 25th September 2021	'Hands On Training On Cell And Tissue Culture Based Bioactivity Assessment'	Bharati Vidyapeeth College Of Pharmacy, Kolhapur
29		Online Elementary	22/11/2021	"Artificial	ACHARYA & BM

		FDP	To 26/11/2021	Intelligence In Drug Design & Development: “Current And Future Perspectives”	REDDY COLLEGE OF PHARMACY.
30		WEBINAR	31-10- 2021	‘Envisioning And Accomplishing A Substantial NAAC Score And Grading For Our Pharmacy Institutions ’	Pharmaceutical Sciences And Research (SPSR)
31	Dr. Shaji George	FDP by AICTE Training and Learning (ATAL) Academy	09/08/2021 – 13/08/2021	Computer Assisted Design and Manufacturing (CAD/CAM) in clinical diagnosis and therapeutics	Chettinad Academy of Research and Education
32		FDP by AICTE Training and Learning (ATAL) Academy	10/09/2021 - 14/09/2021	Capacity Building through Academic and Research Writing	Indian Institute of Technology Tirupati
33	Ms.Anriya Annie Tom	Workshop	31/01/22 to 2/02/ 22	Induction cum training programme on pharmacovigilance	National Co- ordination Centre, Pharmacovigilance Programme of India
34		Seminar	18 th June	Faculty development programme for faculty of Pharmacy Practice	KUHS, Thrissur
35		Short term training programme	12/07/2021 to	Perspective and challenges in	AICTE sponsored one week STTP at

			17/07/2021	teaching methodology of clinical practice and research for teachers	Alshifa college of pharmacy, Perinthalmanna
36	Dr. Dona Maria Jetto	National Webinar	September 2021	Innovations in Pharmaceutical Interventions	Pulla reddy Institute of Pharmacy
37	Mr. Jobin Kunjumon V	Short Term Training Programme (AICTE Sponsored)	12/07/21 - 17/07/21	New Horizons in Pharmaceutical Industry and Healthcare: Rediscovering Indian Traditional system of medicine through Novel Approaches	AlShifa College of Pharmacy, Perinthalmanna
38		National Webinar	30/08/21	Pharmacy Career, Galaxy of Job and Businesses Opportunities	Carithas College of Pharmacy
39		National Webinar	2/11/21	Pharma 4.0: The next destination of Pharmaceutical Industry	Carithas College of Pharmacy
40	Dr. Preeja G Pillai	AICTE ATAL FDP	05/07/2021 to 09 /07/ 2021	Drug Engineering	Department Of Pharmaceutical Sciences, Cpas, Cheruvandoor, Ettumanoor.
41	Mrs. Nancy Jose	National webinar	30/7/21	Contemporary Approaches in Preclinical	Department of Pharmacology, National College of

				Research	Pharmacy, Kozhikode
42		International Pharmacognosy webinar	21-24 September 2021	2 nd International Pharmacognosy webinar series	Department of Pharmacognosy, TIFAC CORE in Herbal Drugs, JSS college of Pharmacy, Ooty
43		Virtual International Conference	20-23 September 2021	Novel and Alternative Therapeutics for Neurodegenerative Diseases Mediated Through Unfolded Protein Response (UPR)	School of Life Sciences, B.S. Abdur Rahman Crescent Institute of Science & Technology, Chennai, India
44		AICTE Training And Learning (ATAL) Academy Online Elementary FDP	13/9/21 To 17/9/21	"Recent trends in Drug Discovery"	Department of Pharmaceutical Sciences, CPAS, CHERUVANDOO R
45	Dr. Badmanabhan R	National Level Webinar	03/07/2021	Career Opportunities in Pharmacy	Namakkal dt, Tamilnadu/ Senghundhar College of Pharmacy.
46		National Workshop	26/7/21	How to develop quality monograph for herbs for IP	APPI
47		National Webinar	30/7/21	Contemporary Approaches in Preclinical Research	National College of Pharmacy, Calicut

48		3 Day Online International Conference	9,10&11/9/21	Parradigm shift in Global Buisness Ecosystem Post Covid 19 Perspectives	KUFOS
49		Two Day International Conference	8 & 9/10/21	Innovations in Health Care	SPER& Ganapat University
50		Webinar	31/10/21	Envisioning and accomplishing a substantial NAAC score & Grading for Pharmacy Institutions.	SPSR
51	Dr. Prasanth B	ATAL Online Elementary FDP	05/07/21 to 09/07/21	Recent trendz in drug discovery	Department of Pharmaceutical Sciences, CPAS, Cheruvandoor, Kottayam
52		Resource Person: AICTE Training And Learning (ATAL) Academy Sponsored FDP	18/11/21	Impact Of Blended Learning In Pharmaceutical Education: A Pedagogic Perspective Topic: The Concept And Instruction Of Metacognition	National College Of Pharmacy, Mukkom, Kozhikode
53	Mrs. Lins Mary Joy	STTP	2 to 8-08-21	Biological Pharmacy: Advancement & Recent Trends	AICTE, Al Shifa College of Pharmacy Malappuram, Kerala

3.2 NEW RESEARCH FACILITIES CREATED

NEW INSTRUMENTS PURCHASED

SL NO	DATE	NAME OF INSTRUMENT
1	23/07/2022	Steriotaxic apparatus
2	21/07/2022	PH METER ELECTRODE
3	10/06/2022	AUTOCLAVE
4	06/07/2022	PH METER POCKET SIZE
5	04/07/2022	Metabolic Cage
6	04/07/2022	Histamine Chamber
7	04/07/2022	Lucas Moist Chamber
8	04/05/2022	OIL IMMERSION FOR MICROSCOPE

3.3 RESEARCH OUTCOMES

3.3.1 List of Projects Submitted by Students:

B. PHARM BATCH 2017 - 2021

SNo	Title	Guide	Name of the Students
1	Design and characterization of topical emulgel containing neem oil for its	Mr. Eby George	Abitha N Jabbar, Khansa Beegam, Nimisha Joseph

	antidandruff properties		
2	Development of herbal facial masks using natural mucilages	Dr. Fels Saju	Annamol Nelson, Ashly Peter
3	Development and Evaluation of Herbal Antidandruff Formulation	Ms. Flowerlet Mathew	Adhithya K,V,, Farsana T.M.
4	Formulation and Evaluation of Embelin inclusion complex based cream	Mrs. Elizabeth N. Xavier	Deepa Susan Varghese, Aimy Kuriakose
5	Development of a Polyherbal Mouth Protect Spray	Mr. Dhanish Joseph	Teenu Manuel , Shakeela K s
6	Formulation and evaluation of herbal toothpaste containing <i>Eupatorium tripilinervis</i> leaf extract	Ms Vidya Peter	Rosna Babu, Sherry Sebastian
7	Formulation and evaluation of cream containing essential oil for the management of Acne	Ms. Sonia Ninan	Anakha Tomson, Sneha Ann Sanju
8	Formulation and Evaluation of Herbal Aftershave Gel	Dr. Manju Maria Mathews	Riya George, Celu Mariya Francis
9	Investigation on psychoprotective potential of Liposomal N-Acetyl Cysteine	Mrs. Nancy Jose	Anitta Thomas, Annamol Joshy, Elza Baby, Sijin Biju
10	Evaluation of argentum metallicum tincture on anxiolytic activity in mice	Ms. Anu Sebastian	Ceenu Jose, Chippy Jose, Juvanitta Sabu
11	In silico and invivo evaluation of nepeta cataria tincture on antimigraine activity	Dr. Preeja G Pillai	Aiswarya V.S., Alby Manoj, Divya Merin Emerson, Nithin Thomas
12	Formulation and evaluation of polyherbal medicated oil for wound healing activity	Ms. Anusha Shaji	Amal Thomas, Anubha Jose, Jiss Jaison
13	Assessment of ADR and side effects of COVID-19 vaccine via self evaluation	Mr. Jobin Kunjumon Vilapurathu	Nilufa Sainudheen, Alisha K J, Alona Baby , Fathima K N
14	A prospective survey to ascertain the symptoms, health issues and subsequent OTC medication usage during menstruation among college students	Mr. Jobin Kunjumon Vilapurathu	Anagha Melbin, Mary Paul Dominic, Reshma Dominic
15	Assessment of patient knowledge, practice and adverse events of insulin administration and storage techniques in patients with diabetes	Dr. Dona Maria Jetto	Nimitha Antony, Pavithra Ashok, Muhammad Abdul Khadir P.S.
16	Cosmetics use related adverse events and need for cosmetovigilance	Dr. Merrin Joseph	Karishma Shaji, Mahin T M, Nandana P.B.
17	An insight into the birth defects due to parental pesticide exposure from various sources	Ms. Anriya Annie Tom	Fasna Nazeer, Mintu Mathew, Shibi T D
18	Assessing the effectiveness and risk for resistance with antibiotic use during the pandemic: A cross-sectional study on South Indian population	Mrs. Meby Susan Mathew	Arya Babu , Minju Chackochan, Ruksana M.S.
19	In silico design and screening of β -carboline derivatives as topoisomerase II α inhibitors	Dr. Prasanth Francis	Ajay Emmanuel Thomas, Jeeson Baby, Arya Sasankan
20	In-silico design and molecular docking studies of benzimidazole and pyrazole hybrid derivatives as human topoisomerase II inhibitors in cancer	Mr. Manu Jose	Freddy P. Robbin & Jomy John
21	In silico designing and screening of carbazole derivatives as	Mrs. Elseena Jose	Mariya Joy, Shilpa Joseph

	topoisomerase II Inhibitors		
22	Insilico design and evaluation of indazole derivatives as GSK-3 β inhibitors	Ms. Anu Jayamol Mathew	Aiswarya Suresh, Anu Yousef
23	Design and <i>Insilico</i> evaluation of inhibitors targeting pilotin <i>InvH</i> protein of type III secretion of <i>Salmonella enterica</i>	Dr. Prasanth Francis	Varsha Vinod, Jeswin Sunny
24	<i>In silico</i> screening of bioactive compounds of <i>Plectranthus amboinicus</i> against COX-2 and alpha-amylase	Dr. Deepa Jose	Aswathy Surendran, Devika Firose

M. PHARM BATCH 2019-2021

SNo	Tite	Guide	Name of Student
1	Formulation and evaluation of Embelin-loaded-biodegradable implant	Mr. Dhanish Joseph	Ammu Soman
2	Enhancing the pediatric compliance of clarithromycin by formulating to a chocolate preparation	Mr. Dhanish Joseph	Sreelakshmi M.S.
3	Development of bromelain loaded nanocarriers by nanoprecipitation method to intensify EPR effect in anticancer therapy	Dr. Fels Saju	Anit Joji George
4	Design, Characterization and optimization of timerx coated floating drug delivery system containing new generation H2 blocker	Mr, Eby George	Sumayya Navas
5	Formulation and evaluation of baclofen nanoemulgel for treating localized neuropathic pain	Dr. Manju Maria Mathews	Sreevidya Venugopal
6	Lawsone-beta cyclodextrin inclusion complex loaded topical gel	Ms. Elizabeth N. Xavier	Shincy Maria Francis
7	Fromulation and evaluation of rizatriptan benzoate loaded emulgel for the treatment of migraine	Ms. Flowerlet Mathew	Maria John

PHARM D BATCH 2017-2023

SNo	Title	Guide/Co-Guide	Name of Students
1	Assessment on the quality and pattern of sleep among adolescents of Kerala using PSQI and ASHS scales: A descriptive study	Dr. Dona Maria Jetto	Anju Abraham, Anna Maria Jose, Bhagia Anna Manoj, Joyalyn Joy
2	Antibiotic sensitivity patterns and bacteriological analysis of raw and treated milk from local sources	Dr. Dona Maria Jetto	Krupamol Joy, Linda Mariya Jose, Merin Sebastian, Sneha S. Joshy
3	Evaluation of drug related problems among inpatients in general medicine department of a tertiary care hospital	Mrs. Antriya Annie Tom	Aleena Manoj, Janice Jacson Mandumpala, Neha Baby, Sneha Elizabeth Mathai
4	Retrospective analysis of antibiograms of UTI patients in a tertiary care hospital to develop a clinical decision support system using machine learning	Mrs. Antriya Annie Tom/Dr. Suresh Bhatt	Anjali Sathyan, Chrins Thomas Jojo, Joel George, Rosenna Francis
5	A retrospective study on the effectiveness of misoprostol alone versus mifepristone plus misoprostol I missed abortion in a tertiary care hospital in Central Kerala	Mr. Jobin Kunjumon Vilapurathu/Dr. K.M. Babu	Alasandra Rose M.S., Minnu Ann Mohan, Silda Raphel
6	An observational study to determine the incidence and severity of hand foot syndrome in patients receiving infusional 5FU/capecitabine chemotherapy protocol	Mr. Jobin Kunjumon Vilapurathu/Dr. Boben Thomas	Aneena Wilson, Shahnaz Abdul Kareem, Simi Grace Joseph, Sulaikha Abdul Kareem
7	Prevalence and association of depression and anxiety among patients receiving treatment for type 2 diabetes mellitus: a single centre prospective study	Ms. Meby Susan Mathew/Dr. Sreenath R & Dr. Tom C. Babu	Martin Baby John, Sandra Saji, Sreelakshmi T.J., Stephy Sebastian
8	A study on the impact of clinical pharmacist driven antibiotic stewardship program in improving patient outcome	Ms. Meby Susan Mathew/Dr. Deepu M.	Alwin Anto, Jeffin Thomas, Milagrín Xavier

3.3.2 PUBLICATIONS:

Total 76 papers including review, research, and short communications were published in journals by students along with staff throughout the academic year 2021-2022.

List of Publications in this Academic Year

Sl No	Authors	Title	Journal	Year
1	Suja Abraham	Digital Therapeutics: Transforming the clinical practice	The Prescription	2022
2	Janice Jacson Mandumpala, Stephin Baby, Anriya Annetom, Chandraiah Godugu, Nagula Shankaraiah.	Role Of Histone Demethylases And Histone Methyltransferases In Triple-Negative Breast Cancer: Epigenetic Mnemonics.	Life Sciences. National Library of Medicine	2022
4	Karthika S, Krishnapriya, Anisha, Anriya Annie Tom.	Individualisation Of Erythro poietin In End Stage Chronic Kidney Disease Is Crucial: Excerpts From A Study In India.	Saudi Journal Of Kidney Diseases And Trans plantation. Accepted For Pub lication	
5	George RR, Thomas R, Davice A, Mathew MS.	Veliparib For The Treatment Of Solid Malignancies.	Journal of Oncology Pharmacy Practice	2022
6	Thomas F, Shibuchan D, Maria L, Thomas M,	World Health Organization Access, Watch, Reserve Index:	Perspectives in Clinical Research	2022

	MathewMS, Warriar AR.	Use Of FixedDose Combinations Being A Challenge In India		
7	Swetha Jose, Anitta Merlin Augustine, Anvy Thankachan, Meby Susan Mathew, Bazil Alias	The Undeniable Benefits Of Apremilast In Psoriatic Arthritis: An Observational Study From South India.	Advances In Pharmacology And Pharmacy	2022
8	Maria L, Thomas F, ThomasM, Shibuchan D, Mathew MS*, Warriar AR, Karunakaran P, Xavier AA.	Preventing Potentially Inappropriate Use Of Antibiotics And Related DrugResistance Using The Access, Watch, Reserve (Aware) Tool.	Infect Dis Clin Pract.	Mar 2022
9	Varghese, A., Alosious, A., Thomas, R., Surendran, K., & Vilapurathu, J. K.	Phenytoin Induced Drug Reaction With Eosinophilia And Systemic Symptoms Syndrome: A Clinical Case Report.	Journal Of PharmacyPractice (ahead of print)	2022
10	Retheesh G, Joseph BM, Surendran K, Vilapurathu JK	A retrospective study to determine the Side Effects And Complications Associated With The Usage Of Loop Diuretics In ADHF Or Heart Failure Patients	Indian Journal of PharmacyPractice	2022
		Diuretics In ADHF Or Heart Failure Patients		
11	Karthika S, Kavya Surendran, Krishnapriya M.K, Dona Maria Jetto.	Case Report – Amlodipine Toxicity.	Indian Journal	2022

12	Nimitha Antony, Pavithra Ashok, Muhammad Abdul Khadir PS , Dona Maria Jetto.	Assessment Of Insulin Administration Among Diabetic Patients In India- A Review Article.	Asian Journal Of Hospital Pharmacy.	2022
13	Anu Jayamol Mathew, Deepa Jose, Aiswarya Suresh, Anu Yousef	A Review On Therapeutic Applications Of GSK 3 Beta Inhibitors,	International journal of novel research and development	2022
14	Jeeson Baby, Ajay Emmanuel Thomas, Arya Sasankan, Mrs. Swathy Lekshmi, Prasanth Francis, Manu Jose	Mechanistic Approach Of Topoisomerase II A Inhibitors For Anticancer Activity: A Review	International Journal Of Pharmaceutical Research,	2022
15	Jayalakshmi P M, Manu Jose, Prasanth Francis, Freddy Robin, Jomy John	In Silico Design And Molecular Docking Studies Of Chalcone Derivatives As Topoisomerase II Inhibitors	Indian Journal Of Natural Sciences	2022
16	Elseena Jose, Prasanth Francis, Mariya Joy, Shilpa Joseph and Sunitha Sukumaran	An Insight Into The Chemistry And Pharmacological Activities Of Carbazole Derivatives: A Review	Indian Journal Of Natural Sciences	2022
17	Sini Baby, Elseena Jose, Jeswin Sunny, Varsha Vinod	A Review Article: Synthesis And Anticancer Activity Of Coumarin Derivatives	Indian Journal Of Natural Sciences	2022
18	Stephy Sebastian, Sneha Elizabeth	Melioidosis – An Overview In The	Indian Journal Of Natural Sciences	2022

	Mathai, Manu Jose, Swathy Lakshmi and Prasanth Francis	Context Of Bacterial Infections		
19	Elseena Jose, Anjana C. Nair,Merlin Kuttichan, Vishnu Govind	Development And Validation Of A Solvent Extraction UV Spectro photometric Method For The Estimation Of Rosuvastatin Calcium And Telmisartan In Combined Dosage Form.	Research J. Pharm. AndTech.	2022
20	Sathianarayanan S, Ammanath AV, Biswas R,B A, Sukumaran S, Venkidasamy B.	New Approach Against HelicobacterPylori Using Plants And It Constitutes	National Library	2022
21	Shincy M Francis, ElizabethN Xavier, Lins Mary Joy,	Lawson From Lawsonia rnis:Isolation And PharmacologicalActivities.	Indian Drugs	2022
22	Adhithya KV, Farsana TMAnd Flowerlet Mathew	Marine Polysacchrides:	Indian Journal Of NaturalSciences	2022
23	Dhanish Joseph, Teenu Manuel And K.S Shakeela ,	Immunoboosting role of turmeric	Journal Of Emerging Technologies	2022
24	Dhanish Joseph, Teenu Manuel And K.S Shakeela,	Immunoboosting Role Of Herbs InKitchen Garden: Garlic And Ginger	Indian Journal Of NaturalSciences	2022
25	Nelson, A., A. Peter, and F.Saju.	A Review On Chemistry, Therapeutic Applications, Extraction & Purification Of Bromelain	International Journal Of Pharmacognosy	2022

26	Anit Joji George, Fels Saju	3D Printing Of Medicines: A Review	International Journal Of Pharmaceutics And Drug Analysis	2022
27	Anit Joji George, Fels Saju, Bharat Mishra	Herbonanoceticals As A Potential Strategy In Delivery Of Anticancerous Compounds	World Journal	2022
28	Sherry Sebastian, Rosna Babu, Vidya Peter	New Trends In Herbal Formulations And Drug Delivery Systems: A Review.	Journal of Emerging Technologies Innovative Research.	2022
29	Vidya Peter, Rosna Babu, Sherry Sebastian.	Study Of Stability In Cosmetic Preparation And Effect Of Different Components In Stability- A Review.	Indian Journal Of Natural Sciences.	2022
30	Sneha Ann Sanju, Anakha Tomson, Sonia Ninan, Manju	Antiadhesive Action Of Marine Biosurfactant: A Review.	Indian Journal Of Natural Sciences	2022
	Maria Mathews.			
31	Anakha Tomson, Sonia Ninan, Manju Maria Mathews, Sneha Ann Sanju.	Role Of Essential	Indian Journal Of Natural Sciences	2022
32	Doody Thomas, Midhuna Saju, Anitta Shaji, Suja Abraham, Ramdas Nayak	Assessment of Safety and Efficacy Outcomes of Patients Receiving Dabigatran in A Tertiary Care	International Journal of Pharmacy and Pharmaceutical Research	2021

		Hospital: A Retrospective Longitudinal Study		
33	Thomas T, Antony A, KurianH, Jiju JA, Abraham S , Antony S.	Comparison Of The Effects Of Different Therapeutic Regimens InThe Clinical Manifestations And Laboratory Parameters In Multiple Myeloma Patients.	International Journal Of Pharmaceutical ResearchAnd Applications	2021
34	Helan Kurian, Suja Abraham,Arpith Antony, Jeeva A. Jiju , Timy Thomas	Multiple Myeloma: Etiopathogenesis, Staging, Diagnosis, Treatment And Response Assessment	European Journal Of Pharmaceutical And Medical research	2021
35	Johnson V. Suja Abraham,Minnu J. Biju, Joicy Jose	Impact Of Digitalization In The EyeStrain During Covid-19 Lockdown Period: An Epidemiological Study.	Journal of Drug Deliveryand Therapeutics (JDDT)	2021
36	B John, M Babu, S Abraham,J Abdullakutty	Clinical Outcomes Of LevosimendenVersus Dobutamine In Patients WithAcute Decompensated Heart Failure With Reduced Ejection Fraction And 6Impaired Renal Function.	Indian Heart Journal	2021
37	Shibuchan D, Maria L, Thomas F, Thomas M,	P7aediatic Prescribing Pattern: BeingAware.	Indian Journal Of NaturalSciences	2021

	Mathew M, Warrier A, Karunakaran P, Xavier AA			
38	Joseph M, Mathew M, BijuM, Azad A.	An Observational Study On The Analgesic Usage In The Surgical Departments Of A Secondary Care Hospital.	Indian Journal Of NaturalSciences	2021
39	Abhirami Azad, Maria Joseph, Minnu Jayamon Biju, Meby Susan Mathew.	Anaphylatic Shock With Off-Label Use Of Oxaliplatin In Ovarian Cancer: A Rare Case Report.	Indian Journal of PharmacyPractice	2021
40	Brighty Joy Sha, Gopikrishnan TS, Dheema Peter, Meby Susan Mathew.	COVID-Associated Pulmonary Aspergillosis (CAPA): An Underrated COVID Superinfection.	IJMSCR	2021
41	James J, Joseph JJ, SebastianS, Antony E, Vilapurathu JK.	Jugular Venous Catheter Related Stenotrophomonas Maltophilia Bacteremia	Indian J Nephrol	2021
42	Roy, C., Vilapurathu, J. K., & Paul, D.	Case Report On Guillain Barre Syndrome: Acute Inflammatory Demyelinating Polyneuropathy.	International Journ al Of Research And Review,	2021
43	Ponnappan, A., Vilapurathu, J. K., Shaji, A., Baby, C. M., &	Pancreatico-Pleural Fistula: A Rare Complication Of Chronic Pancreatitis.	Indian Journal	2021

	Shibuchan, D			
44	Sebastian S, Paul A, Joby J, Saijan S, Vilapurathu JK.	Effect Of High-Dose Intravenous Ascorbic Acid On Cancer Patients Following Ketogenic Diet.	J Can Res Ther;	2021
45	Karthika S, Kavya Surendran, Krishnapriya M.K, Dona Maria Jetto.	A Case Report On Allopurinol Induced Dress Syndrome	International Journal Of Pharmacy	
46	Karthika S, Kavya Surendran, Krishnapriya M.K, Dona Maria Jetto.	Case Report On Covid Pneumonia With Acute Respiratory Distress Syndrome.	International Journal Of Medical Science And Current Research	2021
47	Deepa Jose , Sini Baby , Devika Firose, Aswathy Surendran	A Review On Studies Conducted On Coleus Amboinicus	Indian Journal Of Natural Sciences	2021
48	Anandhu S, Manu Jose, Sweety Kuriakose, Jayalakshmi P M	Phytochemical Analysis And In Vitro Antidiabetic Activity Of Aqueous Extract Of Lagerstroemia Speciosa And Aegle Marmelos;	Research J. Pharm. AndTech.	2021
49	Jayalakshmi P M, Sheeba Jasmin TS, Manu Jose	Microwave Assisted Synthesis And Antibacterial Evaluation Of 1, 3, 4-Thiadiazole	Research J. Pharm. AndTech.	2021

		Derivatives		
50	M S Sreelakshmi, DhanishJoseph, Manu Jose	Resealed Erythrocytes: A Review	Indian Journal Of NaturalSciences	2021
51	Jisha Thomas, Sherin Sebastian, Anju George, AnuJayamol Mathew, Elseena Jose	Evaluation Of Invitro Anti-Diabetic And Anthelmintic Activity Of Leaf Extract of Cucurbita Maxima Duch.	World Journal Of	2021
52	R. Badmanaban , Dhananjoy Saha , Dhrubo J. Sen , Arpita Biswas , Supradip Mandal, Susmita Basak	Turmeric: A Holistic Solution ForBiochemical Malfunction	Research Journal	2021
53	Therese Mathew, Badmanaban. R , Aby Paul ,Bharat Mishra	A Review On Deadly Nipah Virus -Prevalence And Its Management	Research Journal	2021
54	Eldose Elias George, Alfin Baby, Gopikrishnan, Nevin Joseph, Badmanabn.R	Comparative Facts : COVID Treatment Antiviral drugs	Indian Journal Of NaturalSciences	2021
55	Badmanaban R., Kushal Nandi, Shibam Naskar, Debapriya Basu, ArunavaChandra Chandra, Dhrubo Jyoti Sen , Dhananjoy Saha	Liquid Passes Through Glottis: ForgetsAbout Rigor Mortis,	EuropeanJournal Pharmaceutical Medical Research	2021

56	R. Badmanaban, Dhananjay Saha, Dhrubo Jyoti Sen, Kushal Nandi,	Director General [DG] As Defense Of Country And Deoxy Glucose [DG] As Fortification Of Body,	British Journal of Pharmaceutical Medical Research	2021
57	Prasanth B, Deepa Jose, Aleykutty N A,	Antiuro lithiatic Activity Studies On Ipomoea Sepiaria Roxb.	International Journ al Of Pharmaceutical Rese arch (IJPR),	2021
58	Sreevidya Venugopal, Manju Maria Mathews, Manu Jose.	Baclofen: A Review.	Indian Journal Of Natural Sciences	2021
59	Sreevidya Venugopal, Manju Maria Mathews, Dhanish Joseph	Baclofen In The Treatment Of Neuropathic Pain.	Indian Journal Of Natural Sciences	2021
60	Maria John, Flowerlet Mathew	Rizatriptan Benzoate for the Treatment of Migraine –A Review	Indian Journal Of Natural Sciences	2021
61	Eby George, Sumayya Navas	Famotidine: Pharmaceutical Aspects and Related Facts	Indian Journal Of Natural Sciences	2021
62	Ammu Soman, Dhanish	Review on Chemotherap eutic	Indian Journal Of Natural Sciences	2021
63	Joseph Deepa Susan Varghese , Aimy Kuriakose, Elizabeth.N.Xavier	Nanoformulations A Review on Advances of Nanotechnology in Cosmetics	Indian Journal Of Natural Sciences	2021

64	Eby George , Abitha N Jabbar, Khansa Beegam M A, Nimisha Joseph	Neem Oil Versus Neem Extracts: An Approach in Comparison of Medicinal Applications	Indian Journal Of Natural Sciences	2021
65	Dhanish Joseph, Teenu Manuel, K.S Shakeela	Immunoboosting Role of Herbs in Kitchen Garden: Garlic and Ginger	Indian Journal Of Natural Sciences	2021
66	Aneeta Jeeson and Bharat Mishra	Interest of Alzheimer's Gene ApoE ε4 in the Progression of COVID to 36Severity: A Genetic Intervention Review	Indian Journal Of Natural Sciences	2021
67	Sini Baby, Antony Varghese Antony, Christy Xavier, Merin Joe Maliakel, Susanthika K	A Study on Effect of Antibiotic on Methanolic and Ethyl Acetate Extracts of Aerva lanata Linn. against Multi- Drug Resistant Microorganisms	Indian Journal Of Natural Sciences	2021
68	Jayalakshmi P M, Manu Jose, Prasanth Francis	A Comprehensive Review on Medicinal Plants in Western Ghats with Antitubercular Activity	Indian Journal Of Natural Sciences	2021
69	Deepa jose, Teresa Cyriac, Rajarajeswari L. A and Sahilat. S	Comparative Evaluation Inflammatory Activity of Vatsanabha Purified by Two Different Methods	Indian Journal Of Natural Sciences	2021
70	Eldhose Elias George Anjali Shaju Jobin v kunjumon	Dravet syndrome A paediatric case scenarion in a tertiary care hospital insouthern India	European journal of Pharmaceutic al and medical research	2021

71	Joel Joby Joseph Aby Paul Stelvin sebastian Sanjo SaijanJobin Kunjumon V Jeeva Joseph	Assessment of Lockdown effectiveness in the wake of Covid-19 in India using the auto regressive integrated moving average model	Infectious diseases in clinical practice	2021
72	Midhuna saji Jobin V Kunjumon Dr Lincy Mathew Anitta Shaji Doody Thomas	Risperidone induced Amenorrhea A case report	Asian Journal of Hospital Pharmacy	2021
73	Joel Joby Joseph Aby Paul Stelvin sebastian Sanjo SaijanJobin Kunjumon V	Chromoblastomycosis	Infectious diseases in clinical practice	2021
74	Karthika S Kavya Surendran Krishnapriya Dona Maria Jetto	Case reports on Covid pneumonia with Acute respiratory Distress syndrome	International Journal of medical science and current research	2021
75	Meby Susan Mathew suja Abraham Dheema peter Gopikrishnan T s Brighty Joy Sha	Carbamazepine induced stevens johnson syndrome toxic epidermal necrolysis overlap syndrome	European Journal of Pharmaceutic al and medical research	2021
76	Abhirami azad Maria Joseph Minnu Jayamon Biju Meby Susan Mathew	Anaphylactic shock with off- Label use of Oxaliplatin in ovarian cancer A rare case report	Indian Journal Natural sciences	2021

Around **14** Papers presented in various **conference proceedings by students** in the year 2021-2022

3.3.3 PATENTS

List of Patents Published by Faculty

Sl. No	Title Filed (patent application number)	Name of inventor
1	Formulation and method of preparation of a bi-layer layer tablet for enhancing bioavailability of atorvastatin (201941033022 A Published)	Dr. Dhanish Joseph
2	Bioanalytical method development and validation of tetracycline class antibiotic in biological matrices by LCMS MS (202211021199A Published)	Dr. Fels Saj

3.3.4 RESEARCH GRANTS

15 research projects were applied for financial assistance from KSCSTE in the year 2020-2021, out of those **6** projects recommended for funding and received financial support of **Rs 60000/-** from KSCSTE in the year 2021.

SL NO	Name of the Research project/ Endowment	Name of the Principal Investigator/ Co-investigator	Amount Sanctioned (Lakhs)
1	Development of bromelain loaded nanocarriers by nanoprecipitation method to intensify EPR effect in anticancer therapy	Dr. Fels Saju	0.1
2	Design, characterisation and optimisation of timer X coated floating drug delivery system containing new generation H2 blockers	Mr. Eby George	0.095
3	Investigation on psychoprotective potential of liposomal N- acetyl cysteine	Dr. Bharath Mishra	0.1
4	Insilico screening and in vitro evaluation of terpenoids from Plectranthus amboinicus against COX 2 and alpha amylase	Dr. Deepa Jose	0.1
5	Insilico design, synthesis and biological screening of beta carboline derivatives as selective topoisomerase II alpha inhibitors	Dr. Prashanth Francis	0.1
6	Development of Clarithromycin chocolate preparation to enhance the pediatric compliance	Dr. Dhanish Joseph	0.1

Society for Pharmacoeconomics and Outcomes Research (ISPOR) KUHS Students chapter of Nirmala college of Pharmacy was awarded with universal 2nd best outstanding chapter and received **US dollar 300 as a reward grant in March 2022**. This student chapter's help to develop future leaders in the field of health economics and outcomes research this year.

4 INFRASTRUCTURE DEVELOPMENT

4.1 ICT FACILITIES

- Set up additional **access points** to ensure maximum wifi availability
- One classroom is equipped with a **new sound system**
- **2 multipurpose printers** to examination centre and office
- **All in one PC** is installed for administration purpose
- **Two computers** purchased to instrumentation room
- **Two projectors** to class rooms

4.2 NEW PROGRAM SPECIFIC FACILITIES

- **Waste Disposal Tank** constructed.
- **6 new Toilets** were constructed for Girls

- New class rooms with **100 seat capacity** Developed for B pharm Program
- Furnished **additional Classrooms** for B Pharm Program

5. COLLABORATIONS

19 MOUs have been signed with various Industries. This year **04** more MOU were signed.

1.	AIMST University, Malaysia	2022-2027
2.	Green Evo Tech Private Limited, Kakkanad	2022-2023
3.	Sance Laboratories	2022-2023 (extended till 2024)
4.	Livlong Nutraceuticals Ltd	2021-2026

6. STUDENT SUPPORT

6.1 NATIONAL AND INTERNATIONAL DAY CELEBRATIONS

Co- Curricular committee at college level conducted Around 7 national and international day celebrations the year 2021-2022.

SL NO	TITLE OF EVENT	DATE
1	Mass covid vaccination drive	21/7/2021
2	Distribution of nutritious kits comprising of regional food to beneficiaries of anganwadi	22/09/2021
3	Gandhi Jayanthi	2/10/2021
4	Poster presentation on theme – No to dowry	3/10/2021
5	Providence Home visit, Karakunnam	18/12/2021
6	Environment day observation	2/06/2022

7	International Day Against Drug Abuse and Illicit Trafficking observation	26/06/2022
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6.2 SPORTS AND CULTURAL EVENTS ORGANISED

Extracurricular events:

Extra-Curricular committee at college level conducted **around 26** Cultural events and **6** Sports events,**3** Cultural events were organized by other institution in our college.

List of events during the academic year 2021-2022

2021-2022		
Event No.	Date	Name of the event
<i>Cultural events/ competitions organized by the institution</i>		
1.	03/09/2021	Slogan writing competition
2.	10/09/2021	Poster making competition
3.	25/09/2021	Letter to Pharmacist competition
4.	30/09/2021	Mime competition
5.	04/10/2021	Quiz competition
6.	16/10/2021	Drawing competition
7.	25/10/2021	Essay writing competition
8.	01/11/2021	Cartooning competition
9.	17/11/2021	Embroidery competition
10.	29/11/2021	Elocution Competition
11.	06/12/2021	Drawing Competition
12.	14/12/2021	Dance Competition

13.	23/12/2021	Group song competition
14.	03/01/2022	Find a new tune
15.	24/01/2022	Collage making competition
16.	02/02/2022	Solo song competition
17.	10/02/2022	Musical chair competition
18.	18/02/2022	Make up competition
19.	23/02/2022-25/02/2022	Tharang 2k22
20.	05/03/2022	Mehndi competition
21.	19/03/2022	Duet song competition
22.	07/04/2022	Mime competition
23.	12/05/2022	Elocution competition
24.	06/06/2022	Theme dance competition
25.	21/06/2022	Solo song competition
26.	29/07/2022	Hair styling competition
<i>Cultural events/ competitions organized by other institution</i>		
27.	25/09/2021	Talk for a minute competition
28.	09/12/2021	Quiz competition (<i>Organized by: IPA</i>)
29.	12/03/2022	Light music competition
<i>Sports events/ competitions organized by the institution</i>		
30.	18/12/2021- 21/12/2021	Seven's football competition
31.	03/12/2021	Chess competition
32.	06/01/2022	Caroms competition
33.	22/02/2022	Table Tennis competition
34.	10/03/2022- 11/03/2022	Games & Athletic meet
35.	05/07/2022	Push up competition

6.3SCHOLARSHIPS

Merit cum Means minority scholarship:

In the year 2021-2022, **90** students applied for the scholarship as fresh candidates out of them **44** students successfully received their scholarship. **101** Students applied for the renewal of their Scholarship; out of them **100** students successfully received their scholarship in the year 2021-2022. Totally to a sum of 40 lacs.

C H Muhammed Koya Scholarship (Minority Students):

In the year 2021-2022, **8** students applied for this scholarship and **7** received the Scholarship.

Merit Award – Mar George Madathikandathil Scholarship:

In the year 2021 -2022, **16** students were awarded this scholarship for their Excellence in Academics from each B. Pharm, Pharm D, M pharm Batches.

Fleming Research Scholarship

51 students received this Research Scholarship in the year 2021-2022

ML Schroff Scholarship

86 students got benefited with this scholarship

Spease Scholarship

60 students of our institution this scholarship.

Central Sector Scheme of Scholarships for College and University Students

In the year 2021-2022, **4** students received this Scholarship.

Post Matric Scholarship Schemes Minorities Cs

24 students received Post Matric Scholarship this year

6.4 Placement and Career Guidance Cell activities of NCP:

The major recruiters for the batch 2017-2021 were Aquity Solutions, Chennai, LIFE Pharma UAE, Sance Laboratories, Pala, St. John's Medical College, Bangalore, Mar Sleeva Medicity, Pala, Rajagiri Hospital,

Always, Apollo Adlux Hospital, Angamaly, Apollo Enterprises, Aster Pharmacy and Reliance Retail Pharmacy. The highest package offers were for **Rs. 7,20,000 per annum** and **Rs. 4,20,000 per annum** by Life Pharma, UAE and Aquity Solutions for the post of Pharmacist Trainee and Medical Scribe Trainee respectively.

List of students Placed during academic year 2021-2022

SI No	Name of student placed / enrolling into higher education and contact details	Program graduated from	Name of the employer with contact details / Name of institution joined
1	Ms. Teenu Manuel	Bpharm	St. John's Medical College, Bangalore, Karthik .Pharmacy inCharge, karthik.a@stjohns.in
2	Ms. Jomy John	Bpharm	St. John's Medical College, Bangalore, Karthik .Pharmacy inCharge, karthik.a@stjohns.in
3	Ms. Mariya Joy	Bpharm	St. John's Medical College, Bangalore, Karthik .Pharmacy inCharge, karthik.a@stjohns.in
4	Ms. Varsha Vinod	Bpharm	Aquity Solutions, Coimbatore, Mr Prakash Mayappa, Assistant Manager, Scribing Operations, prakash.mayappa@aquitysolutions.com
5	Ms. Elza Baby	Bpharm	Aquity Solutions, Coimbatore, Mr Prakash Mayappa, Assistant Manager, Scribing Operations, prakash.mayappa@aquitysolutions.com
6	Mr Nithin Thomas	Bpharm	Aquity Solutions, Coimbatore, Mr Prakash Mayappa, Assistant Manager, Scribing Operations, prakash.mayappa@aquitysolutions.com
7	Mr. Mahin T M	Bpharm	Aster pharmacy, Abudhabi, info@asterpharmacy.com
8	Ms Aiswarya V S	Bpharm	Aquity Solutions, Coimbatore, Mr Prakash Mayappa, Assistant Manager, Scribing Operations, prakash.mayappa@aquitysolutions.com
9	Mr Ajay Emmanuel Thomas	Bpharm	Aquity Solutions, Coimbatore, Mr Prakash Mayappa, Assistant Manager, Scribing Operations, prakash.mayappa@aquitysolutions.com
10	Ms Ashly Peter	Bpharm	Aquity Solutions, Coimbatore, Mr Prakash Mayappa, Assistant Manager, Scribing Operations, prakash.mayappa@aquitysolutions.com

11	Ms Abitha N Jabbar	Bpharm	Apollo Adlux Hospital, Angamaly, Mr Sreejith K. AM-HR, Mob:7397474004,sreejith_k@apollopharmacy.org
12	Ms Alisha K J	Bpharm	Rajagiri Hospital, Alwaye
13	Ms Anakha Tomson	Bpharm	Mar Sleevea Medicity, Pala, Jinumon George, Pharmacy In Charge, jinupallivathukal@gmail.com
14	Ms Sherry Sebastian	Bpharm	Mar Sleevea Medicity, Pala, Jinumon George, Pharmacy In Charge, jinupallivathukal@gmail.com
15	Ms Khansa Beegam	Bpharm	Apollo Pharmacy, Choondy, Alwaye, Mr Sreejith K. AM-HR, Mob:7397474004,sreejith_k@apollopharmacy.org
16	Mr Alby Manoj	Bpharm	Apollo Pharmacy, Palarivattom, Mr Sreejith K, AM HR, Mob:7397474004,sreejith_k@apollopharmacy.org
17	Ms. Alona Baby	Bpharm	Apollo Pharmacy, Mr Sreejith K, AM HR, Mob:7397474004,sreejith_k@apollopharmacy.org
18	Ms Aswathy Surendran	Bpharm	Apollo Pharmacy, Choondy, Alwaye, Mr Sreejith K. AM-HR, Mob:7397474004,sreejith_k@apollopharmacy.org
19	Ms Fathima K N	Bpharm	Ojas To Aura Life Science Pvt. Ltd., Krishnakumar T G, Senior Executive HR, krishnakumar@grainnegrace.co
20	Ms Riya George	Bpharm	st.george hospital, vazhakulam, stgeorgehospital@gmail.com
21	Ms. Ruksana M S	Bpharm	Chazhikattu Hospital, Thodupuzha, Merlin Florin Babu, HR Manager, merlinbabu.2014@gmail.com
22	Ms Devika Firoz	Bpharm	Chazhikattu Hospital, Thodupuzha, Merlin Florin Babu, HR Manager, merlinbabu.2014@gmail.com
23	Ms. Aimy Kuriakose	Bpharm	Rajagiri Hospital, Alwaye, Prasanth sasidharan pharmacy manager, Pharmacy.Manager@rajagirihospital.com
24	Rosna Babu	Bpharm	Rajagiri Hospital, Alwaye, Prasanth sasidharan pharmacy manager, Pharmacy.Manager@rajagirihospital.com
25	Ms Annamol Nelson	Bpharm	Life Pharma, UAE
26	Ms Nilufa Sainudeen	Bpharm	Life Pharma, UAE
27	Ms Pavithra Ashokan	Bpharm	Life Pharma, UAE
28	Ms Shilpa Joseph	Bpharm	Life Pharma, UAE
29	Ms. Reshma Dominic	Bpharm	Life Pharma, UAE
30	Ms Muhammed Abdul	Bpharm	pharmacis grade II, dmohik@gmail.com

	Khadir		
31	Mr Jiss Jaison	Bpharm	Trainee Business Manager, Medstry Healthcare
32	Minju Chackochen	Bpharm	Pharmacist, Samaritan Hospital, Pazhanganad
33	Mary Paul Dominic	Bpharm	pharmacist, lakshmi hospital.alwaye, 04842631481
34	Divya Merin Emersen	Bpharm	Pharmacist, Indira Gandhi Cooperative Hospital, Kadavanthara, Kochi, Biniya Alias, Chief Pharmacist,alias.biniya@gmail.com
35	Freddy P Robin	Bpharm	Pharmacist , Nirmala Medical Center, Muvattupuzha

36	Celu Mariya Francis	Bpharm	Pharmacist , Nirmala Medical Center, Muvattupuzha
37	Mintu Mathew	Bpharm	Pharmacist Trainee, SH Hospital, Kottayam
38	Anubha Jose	Bpharm	Pharmacist, St Marys Hospital, Thodupuzha
39	Ceenu Jose	Bpharm	St Lawrence College, Kingston Campus, Canada
40	Anagha Melbin	Bpharm	Griffith College, Dublin, Ireland
41	Aiswarya Suresh	Bpharm	National Institute if Pharmaceutical Education and Research
42	Arya Sasankan	Bpharm	Svarog University, Slovenia
43	Aja alocious	Pharm d	Al azhar college of pharmacy,thodupuzha,alazharpharma@gmail.com,8921998660
44	Karthika s	Pharm d	Rajagiri hospital aluva,mail@rajagirihospital.com,0484- 2905000, 718,400
45	Mariya lewis	Pharm d	Master of pharmaceutical science, Tasmania university, australia
46	Rimisha thomas	Pharm d	Health care administration management,London south campus
47	Sr swapna	Mpharm	Assistant professor, caritas college of pharmacy, kottayam

6.5 Placement Drives Organized:

In this Academic Year the **Training and Placement cell** of our college organized Placement Drives with Major Recruiter's like **Life pharma UAE, Rajagiri Hospital, Lakshmi hospital, Chazhikatt Hospital, St. George Hospital, Mankind Pharma, TATA Consultancy etc.**

SL NO	Name of Recruiter	Date	Number of Participants
1	Life Pharma UAE	15/07/2022	60
2	Med Mart Pharmacy, Thodupuzha	12/07/2022	4

3	Chazhikattu Hospital, Thodupuzha	07/07/2022	8
4	St. Marys Hospital Thodupuzha	07/07/2022	8
5	Mankind Pharma PVT LTD	01/07/2022	6
6	Jothydevs Diabetes Research Center	30/06/2022	7
7	Lakshmi Hospital, Aluva	28/06/2022	6
8	St. George Hospital, Vazhakulam	23/06/2022	4
9	St. Johns Medical College	21/06/2022	3
10	Arjuna Extracts	08/06/2022	6
11	Rajagiri Hospital, Aluva	30/05/2022	15
12	TATA Consultancy Services	03/02/2022	31

6.6 Placement Activities:

In **2021-2022**, **7 events** were conducted which include Webinars, Seminars, Alumni interaction and Guest lectures

SL No	Name of the Programme	Date	Number of Students Benefitted
1	ORIENTATION PROGRAMME FOR INTERVIEW SKILLS AND PHARMACOVIGILANCE	27 -08 -2021	29
2	WEBINAR ON "FUTURE OF PHARMACISTS IN CANADA"	30 -08 -2021	60
3	ORIENTATION PROGRAMME ON " AN OVERVIEW OF CAREERS IN PHARMACEUTICAL REGULATORY AFFAIRS	10 -09 -2021	8
4	WEBINAR: CIVIL SERVICES ORIENTATION FOR PHARMACY GRADUATES	18 -09 -2021	50
5	" WORKSHOP ON CONFIDENCE BUILDING AND SUCCESS STRATEGIES	21 -02 -2022	76
6	"PHARMACY: HIGHER EDUCATION AND CAREER OPPORTUNITIES."	16 -03 -2022	70
7	WEBINAR ON "STRATEGY FOR GPAT AND NIPER PREPERATION"	22- 07 -2022	40

6.7 Skill Development Programs:

SL NO	Name of the capacity development and skills enhancement program	Date	Number of Students Enrolled	Name of the agencies/consultants involved with contact details (if any)
1	webinar on “Employability skills”	04-10-2021	90 V year Pharm D VII sem B.Pharm	
2	Language and Communcation skill	08-12-2021	30 I PHARM D	Ms Athira James
3	four days workshop on Barclay’s Life Skill Development Certificate Program	07-11-22 to 10-11-22	Mr James Sonder, Rubicon Skill Development Pvt. Ltd. Pune
4	Micromedex Training Program	05-05-2022	29	

7. SOCIETAL ACTIVITIES

Co-Curricular events:

Co- Curricular committee at college level conducted **around 18** activities which include awareness programs, Social events, NSS, Human Values, National values, Constitutional values Environment promotional activities, guest lectures, Journal club activity, etc.

7.1 NSS activates around 08 programs have been conducted:

Sl no	Program	Date	No of students benefitted/participated
1	Environment day	05/06/2022	31
2	International Yog day	21/06/2022	15

3	International Day Against Drug Abuse and Illicit Trafficking	27/06/2022	200
4	Narcotics control bureau -pledge	31/07/2022	47
5	We-care program (NSS activity week)	24/9/2022- 02/10/22	100
6	Free eye check up World eye sight day	13/10/2022	300
7	Public awareness program against narcotic drug abuse	13/10/2022	35
8	Ektha din pledge (National unity day)	31/10/2022	300

7.2 Women Welfare cell Activities

Women cell has been created in the college with the aim of providing security & safety to female students in the campus. The cell also tries to incorporate hygiene habits and ensure a healthy atmosphere in and around the college. Women Welfare cell of NCP has organized **05 events** in the last academic year.

Date	EVENT	Resource person	Numbers
21/02/22	Talk on “Crime against Women”(pink police)	Mrs.Icymol T.J, Senior civil police officer,Muvattupuzha	310
08/03/22	International Women’s Day	In our campus	300
09/05/22	Awareness programme on PCOD	Ms.Camila Carlman, V Pharm.D, NCP	100
26/08/22	Women Equality Day	Ms.Joice Mary Antony,Managing Director,Luella ventures Pvt Ltd	120
23/11/22	Driving class commenced	Don Motor Driving	31

		school,Muvattupuzha	
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7.3 Environment Promotional Activities

SI no	Name of program	Associated with
1	Tree saplings plantation near Anicadu pond	Avoly Panchayath
2	Tree saplings plantation in Anicadu primary health center	Avoly Panchayath
3	Vegetable garden in Avoli Panchayat	Avoli Panchayath
4	Fruit and shade tree plantation in Arakuzha Panchayath	Arakuzha Panchayath
5	Fruit and shade tree plantation in Peringuzha Panchayath	Peringuzha Panchayath

8. E- GOVERNANCE

Annual e-Governance report Academic report

Nirmala college of Pharmacy, Muvattupuzha has introduced e- Governance into academic and administrative areas along with finance in academic year 2021-22, to ensure accountability, efficiency and transparency in all fields.

Nirmala college of Pharmacy associated with Ixian informatics Pvt LTD to introduce Campus7 software to manage the human resource, administrative and academic management, student support and finance.

Administration:

The college administration depends on large number of documentations, which in turn utilize a huge quantity of papers. The campus7 software helps a lot to reduce such paperwork. It is also supporting green campus initiatives by avoiding a paper wastage.

Academic:

The classroom upgraded with ICT tools for the better understanding is now strengthened by the introduction of ERP software. The attendance, assignment, exam schedules and many more activities are done through this software. It enhances the transparency and accountability in academic side. The students are able to get the study materials and view their attendance, internal marks etc. through this software. Subject audit via ERP software will improve the accountability of work done by the staff members.

Library:

The semi-automated library facilities help the students to explore their interest in higher level. To support the enthusiastic students, digital library makes a platform to access various online journals. The students can access the question bank, study materials, previous year question papers etc. from the digital library.

Students support:

The students are also got access in campus 7 software to see the academic events, exam schedules, internal marks, attendance etc. The facility to report the grievances in a blinded way via this software is also provided. Students are able to update their profile by updating their achievements and proficiency awards, make a healthy competition and accountability. Mentors can see the complete profile of their mentors at any point of time, so that effective mentoring is also make possible using this software.

Examination:

All exam related activities can be planned and propagated through this software. The exam schedules, duty assignments, internal mark preparation etc. can be done through this software.

Finance and accounts:

The college relies on the values of transparency in financial transactions. The direct payment during the pandemic period is overcome by creating facility to remit fees via through online modes, make a safer mode of financial transaction.

9. Feedback on Academic Performance & Ambience of The Institution

ACTION TAKEN REPORT

Institutional governing council analysed the recommendation given by feedback committee and the following actions were taken.

		<ul style="list-style-type: none">➤ Additional hour is introduced for club activities.➤ Provided time after college hrs for practicing.	
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5	Library & Internet facilities.	<ul style="list-style-type: none"> ➤ Purchased more flexible digital library (J Gate). ➤ Fire wall software systems installed to improve the Wi-Fi connectivity speed. 	Helps in research works , poster presentations etc.
6	Canteen Facilities	<ul style="list-style-type: none"> ➤ More healthy food items were included. ➤ Canteen is maintained in more hygienic manner ➤ Seating facility are increased. 	Refreshment for students.
7	Improve quality of drinking water.	<ul style="list-style-type: none"> ➤ Purifiers were installed in all floors and decided to ensure periodic maintenance. ➤ A separate person is assigned to ensure the quality check, ➤ Water testing is performed every year. 	Helps to maintain a healthy body.
8	Improve Harmony.	<ul style="list-style-type: none"> ➤ Harmony hours are utilized more effectively. ➤ More club activities are initiated. 	Helped the students to overcome their stage fear. Enhanced the talents of students.
STAFF			
9	Toilet & Washroom Facilities to be improved.	Toilet & Washroom Facilities for staffs are provided in all blocks.	Cleanliness and hygiene improved.
10	Current Leave Policy to be modified.	Sick leave introduced.	Welfare measures improved.
ALUMNI			
	Programmes related to pharmacy profession	Seminars related to various career opportunities in pharmacy	Students acquired knowledge regarding various opportunities in pharmacy

S No.	Recommendations given by feedback committee	Actions taken	Impact
STUDENTS			

1	Teachers will be able to identify the strength and weakness of students.	Mentors are trained to perform SWOC analysis.	Helps students to achieve academically.
2	Mentor follow up.	<ul style="list-style-type: none"> ➤ Training classes were provided to all faculty to facilitate mentoring activities. ➤ Mentoring activities were incorporated in Campus 7 software for easy access and recording. ➤ Frequent sessions with their mentors are conducted and recorded the details in Campus7. 	Support and guidance given helps students to improve their skills.
3	Skill development programmes.	<ul style="list-style-type: none"> ➤ More skill development programmes were included. ➤ IQAC has developed the 4 yrs syllabus for organizing skill development programme. ➤ Skill development programme with various NGOs are organized. ➤ Intimation given to placement cell to implement the above decision. 	Improve soft skills of students.
4	Improve participation in extracurricular activities.	<ul style="list-style-type: none"> ➤ More events were organized. ➤ Clubs introduced. ➤ Intercollegiate events are encouraged. 	Students are sent for intercollegiate events.

Development Activities of college:

The college has undertaken the following developments work during the academic year 2021-2022

Equipment:

We enriched our laboratories with some of the latest equipment's and software's to facilitate & to improve the research activities in the college Total value of **Rs. 6,40,000** have been spent

during the current academic year.(which includes various Sophisticated and Scientific equipment).

Books and Journals: Library

During the academic year 2021-22 the infrastructure of the library was extended to enhance the seating capacity to accommodate 100 students in a single stretch. Library started using Campus 7 software for digital entry of attendance and also for circulation of books. The college library subscribed 17 printed journals worth Rs. 30,500, online E-journals worth Rs. 31,500 to access 500 e-journals (full papers) and procured 258 books worth Rs. 1, 18,536., worth of Rs. 1,68,000 given as a complement for newly joined B.Pharm and Pharm D Students. The number of academic project thesis submitted by students during the year 2021-22 were 24 B.Pharm, 10 Pharm.D and 07 M.Pharm

Financial Assistance system has been initialized to assist and encourage the publications by the staff. The articles which are published in indexed journals (Web of Science /Scopus) will be financially assisted by R and D cell. In the last academic year faculties and students received financial assistance of **Rs 1, 36, 839** /- as part of research development activity.

IT Room and Animal house.

We have developed an IT room with most modern facilities with 31 computers having most recent configuration for the purpose of Virtual lab and English Language Lab. Similarly, we have upgraded the animal house, to house different experimental animals and to undertake animal research activities which has approved by CPCSEA, New Delhi with new constitutional members.

Action Plan for next academic year 2022-2023

Nirmala College of Pharmacy (NCP) is one of the premier Pharmacy institutions in the state of Kerala. NCP provides Pharmacy education at three different levels, viz., Under Graduate Program (B.Pharm); Post-Graduate Program: (M.Pharm) & and Doctor of Pharmacy: (Pharm.D) and Ph.D. in Pharmaceutics. The Kerala University of Health Sciences (KUHS) has approved our college as Ph.D. research Centre.

In order to achieve the vision aimed by our college, we have to undertake a lot of infrastructural development in our college. These includes providing better hospital facilities, hostel for boys and professional space for conducting various activities in the college; furnishing the laboratories with instruments and equipment's to carryout research activities; training & harnessing the skills of the faculty members; improving library facilities for better utility etc. These are all important to improve student outcomes and to differentiate ourselves from the rest of Pharmacy colleges in the state.

Three different regulatory bodies such as Govt. of Kerala, Kerala University of Health Sciences, Thrissur and The Pharmacy Council of India are governing the Pharmacy education. Their requirements are also varied. Recently, Pharmacy Council of India has revised the syllabus for all the programs in Pharmacy. In view of this, we have several deficiencies, which should be rectified on priority basis.

Therefore, the following is the action plan for 2022-23:

Infrastructure:

Separate parking facility area is required, as we increased B.Pharm seats and many staff and students comes by own vehicle, Existing parking facility is not sufficient and affects the ambience.

Additional space facility required for existing Examination Hall in order to accommodate 100 plus students and also in order to follow strict compliance with university requirements.

An auditorium for accommodating all the students also is needed

Library computers upgradation required with additional of 15 **systems to access the digital materials** (Audio and video lecture classes uploaded by staffs, to access E- journals, online e-books and other digital useful materials. Possible the computer room can be air Conditioned.

Highly reputed institutions are setting up smart class facility for the **Audio visual effects** for clear and HD content delivery of lectures for the effective classes. We too require the same facility for better delivery of classes. To improve the Conducive environment of class room required Smart class interactive board and step wise class ambiances

Add on Courses:

Planning for Add on Courses to provide the students extra training and orientation to meet the industry requirements as additional pathways for their career

R and D activities expansion:

To develop the **R and D activities and** getting consultancy projects and sponsored funded projects, institute requires to allocate more on R and D budget, which helps to purchase high end Sophisticated instruments and equipment's under the Non-recurring category which helps to apply various funding agencies for research grants, most of the Govt. agencies **like DST, DBT, BIRAC, SERB, ICMR** are sanctioning under recurring head more and very less in Non-recurring head. This aims to fulfill the vision of Institution.

AICTE providing financial assistants more to the technical institution in comparison to other agencies. But we came out from AICTE two years back due to building approval issue. We think this is the right time to go back to get approval from AICTE.

Other Accreditation:

Serious steps were taken to go for **NACC Accreditation;** Coordinators are working hard to achieve the things by proper planning and transformations to achieve with 18 months' time frame from now. We may be able to submit SSR, this helps to move towards autonomous status if we are able to achieve NACC A+.

Visiting faculty: Visiting faculty from the Pharmaceutical Industry, hospital and other academic institutions should be invited frequently and on regular basis for sharing the knowledge with for B.Pharm, M.Pharm, and Pharm.D students.

Signboards and display boards: As per NBA requirements, we need to provide several signboards and display boards at the entrance of the college as well as on each floor.

Campus Placement: As many Pharmaceutical Industries, Hospitals and Research Institutes should be invited to recruit our students from the campus.

Alumni Association: Alumni Association will be initiated.

Conclusion of the action plan: As the college is going for first time NACC accreditation, the college is relying heavily on the Management for support in furnishing the shortcomings of the college as listed above. At the same time, all faculty and staff members are committed for providing an excellent Pharmacy education for better student outcomes.

Acknowledgement and express of Gratitude

The Almighty blessed our College in its development in the year 2021-2022. The 14th UG Batch and 9^h M.Pharm PG Batch and 3st batch Pharm D PG of students completed their course successfully

I express our gratitude to our Patron His Excellency Mar George Madathikandathil, Bishop of Kothamangalam for all the support.

I am thankful to Rev. Msgr. Dr. Pious Malaikandathil, Manager for his dynamic support and encouragement.

Let me take this opportunity to acknowledge our former administrator Rev.Fr. Jose Mathai Mailadiath and our present administrator gratefully, the unstinted co-operation, constant

inspiration and immense support extended by administrator Rev. Fr. Jose Pullopillil for being the backbone in development of our College.

I am extremely happy with all my colleagues for their sincere support and cooperation.

I express my sincere gratitude to all who have helped in raising the institution where it stands today and in realizing our objectives. My deep felt thanks to all.

Last but not the least I bow in gratitude before the Lord Almighty who made all these accomplishments possible. Every day brings His Blessings, every moment we experience His Care and Protection!!

“Thank you for your precious time and Valuable Comments”

(Prof. Dr. Badmanaban.R)

Principal

(Rev. Fr. Jos Pullopillil)

Administrator