

E. RESEARCH

➤ RESEARCH & DEVELOPMENT CELL

The Dale View College of Pharmacy and Research Centre's Research & Development (R&D) cell focuses on promoting research and innovation in the field of pharmacy and related sciences. It also aims to develop a vibrant local innovation ecosystem and prepare the institute for recognition in innovation achievements. The R&D cell fosters collaboration with other institutions, both within India and abroad, to share research findings and build networks. The R&D cell plays a crucial role in ensuring that all research activities adhere to high-quality standards.

Objectives

- To promote, encourage, and sustain activities contributing to Innovation, Incubation & Entrepreneurship.
- Provide Financial and Technical Support to both Faculty and Students.
- To facilitate in market augmentation for the products developed by Start-Ups in campus.
- To ensure successful surge of Incubated Start-Ups and thereby provide employment opportunities to other students in campus.

R & D CELL ACTIVITIES

- Creating awareness and motivating researchers to work in emerging domains of engineering and technology.
- Assists faculties, research scholars and students in filing research proposals for grants from various funding agencies like DST, DBT, AICTE, MHRD etc.
- Allocates funds for R & D projects of the faculties, research scholars and students.



THE DALE VIEW COLLEGE OF PHARMACY & RESEARCH CENTRE

Approved by PCI, AICTE and Affiliated to Kerala University of Health Sciences

An ISO 9001-2015 Certified Institution

ACCREDITED BY NAAC

Recognized under Section 2 (f) of the UGC Act 1956

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RESEARCH & DEVELOPMENT COMMITTEE

SL.NO	NAME	DESIGNATION	POSITION
1	Dr. Shaiju David Alfi	Managing Director	Director
2	Dr. Deena Das	Chairman	Convenor
3	Dr. Shiji Kumar P S	Principal	Convenor
4	Dr. Seena H	Vice Principal	Member
5	Dr. Jayachandran Nair C V	HOD & Professor	Member
6	Dr. Shyam Mohan	Associate Professor	Member
7	Dr. Anooa John L	Professor	Member
8	Dr. Remya S B	Professor	Member
9	Mrs. Surabhi G S	Assistant Professor	Member
10	Mrs. Meenu Sreekumar	Assistant Professor	Member
11	Mrs. Tinu B Shaji	Associate Professor	Member

11/06/2015

Dr. SHIJU KUMAR P.S
PRINCIPAL,

THE DALE VIEW COLLEGE OF PHARMACY & RESEARCH CENTRE,
PUNALAL P.O.,
THIRUVANANTHAPURAM - 695575



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RESEARCH PROJECTS
PUBLICATIONS
PH.D RESEARCH CENTRE APPROVAL ORDER
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19th Graduation Ceremony - VITTORIA ETERNA ON 21st JUNE 2025

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* Indicates required question

Research Area

- Pharmaceutical analysis and analytical method development
- Pharmacological studies including CCSEA approved animal studies
- Development and evaluation of conventional and ADDS formulation

Related Links

CHAT WITH US

Grants received:

KPGA Grant

2022-23	2023-24
Dr. Shijikumar P S Dr. Anoop John Dr. Seena H Ms. Reshma K J	Dr. Shijikumar P S Dr. Anoop John Ms. Reshma K J Dr. Remya S B Dr. Jayachandran



List of research studies carrying out under the R & D cell

Sl no	CCSEA Code Number	Name of Researcher	Title	Animal details
1.	DVCP/2023/011	Dr. Sangavi.V. L	A comparative study of Homoeopathic Remedies Ferrum phosphoricum vs Aletris farinosa in cyclophosphamide induced Anemia in albino rats	Male albino rats= 24
2.	DVCP/2023/012	Dr. Aswin Anandh. M	An experimental evaluation of potential excision wound healing activity of freshly prepared homoeopathic ointment coleus aromaticus as per hpi in diabetes induced rats	Male albino rats= 24
3.	DVCP/2023/013	Dr Aswathy V S	An experimental study on anti-inflammatory actions of ultra-high dilutions of Hypericum 6C and 30C in Carrageenan induced arthritis rat model	Male albino rats= 24
4.	DVCP/2023/014	Dr. Anchana. M.C	An experimental study on antihyperuricemic activity of Lithium carbonicum 6C & 30C in potassium oxonate induced rat model.	Male albino rats= 24
5.	DVCP/2023/015	Dr.M.Gayathri	An experimental study of efficacy of homoeopathic medicine chelidonium 30 , 200 and crotales horridus 30 , 200 in the treatment of phenylhydrazine induced hyperbilirubinemia in wistar albino rats	Male albino rats= 36
6.	DVCP/2023/016	Dr. Phoebe Maria Thomas	An in vivo study on wound healing activity of insulinum30, phosphoric acid 30, and syzygium jumbolanum 30 on streptozotocin induced diabetic model in albino rat	Male albino rats= 24
7.	DVCP/2023/017	Dr UmaNath V	Antipsoriatic activity of ethanolic extract of Sesbania grandiflora leaves in a novel in vivo screening model	Swiss albino mice=24

8.	DVCP/2023/017	Dr. Sangavi. V. L	A comparative study of Homoeopathic Remedies <i>Ferrum phosphoricum</i> vs <i>Aletris farinosa</i> in cyclophosphamide induced Anemia in albino rats	Male albino rats= 24
9.	DVCP/2023/018	Dr. Aswin Anandh. M	An experimental evaluation of potential excision wound healing activity of freshly prepared homoeopathic ointment <i>Coleus Aromaticus</i> as per HPI in diabetes induced rats	Male albino rats= 24
10.	DVCP/2023/019	Dr Aswathy V S	An experimental study on anti-inflammatory actions of ultra-high dilutions of <i>Hypericum</i> 6C and 30C in Carrageenan induced arthritis rat model	Male albino rats= 24
11.	DVCP/2023/020	Dr. Anchana. M.C	An experimental study on antihyperuricemic activity of <i>Lithium carbonicum</i> 6C & 30C in Potassium oxonate induced rat model.	Male albino rats= 24
12.	DVCP/2023/021	Dr.M.Gayathri	An experimental study of efficacy of homoeopathic medicine <i>chelidonium</i> 30 , 200 and <i>Crotalus Horridus</i> 30 , 200 in the treatment of Phenylhydrazine induced hyperbilirubinemia in wistar albino rats	Male albino rats= 36
13.	DVCP/2023/022	Dr. Phoebe Maria Thomas	An <i>in vivo</i> study on wound healing activity of <i>Insulinum</i> 30, <i>Phosphoric acid</i> 30, and <i>Syzygium Jumbolanum</i> 30 on Streptozotocin induced diabetic model in albino rat	Male albino rats= 24
14.	DVCP/2023/022	Dr Chinchu B	Anti infertility effect of <i>Tribulus terrestris</i> tincture, 12 ch, 30 ch, 200 ch & 1000 ch in ornidazole induced sterile male rats	Male albino rats= 48

➤ **COLLABORATIONS**

1. Jawaharlal Nehru Tropical Botanical Garden (JNTBGRI), Palode, Trivandrum-Kerala
2. The Dale View Care Point, Punalal P.O, Poovachal, Kerala
3. SK Hospital, Edapazhanji, Thiruvananthapuram, Kerala
4. Kerala Academy of Sciences (KAS), Thiruvananthapuram, Kerala
5. Kerala Institute of Medical Sciences (KIMS), Trivandrum- Kerala
6. Central University, Imphal, Manipur, Govt. of India
7. N.Rama Varier Ayurveda Foundation, Muniyandipuram- Madurai, Tamil Nadu
8. Scott Christian College (Autonomous), Nagercoil, Kanyakumari dist. Tamil Nadu
9. Women's Christian College, Nagercoil, Kanyakumari dist. Tamil Nadu
10. Noorul Islam Centre for Higher Education (Deemed University), Thuckalay, Kanyakumari Dist, Tamil Nadu,
11. Christian College, Kattakada, Trivandrum- Kerala
12. Commonwealth Legal Education Association (ASIA) –CLEA, H.Q New Delhi
13. Indian Red Cross Society, Trivandrum- Kerala
14. AIMST University, Malaysia
15. Antibody Research Corporation, United States of America
16. Lloyd Institute of Management and Technology (LIMT), Noida, Delhi
17. The Universal News Networks, United States of America
18. Netaji Subash Chandra Bose Cancer Hospital, Nayabad, Kolkata
19. Assam Down town University, Panikhaiti, Assam - India
20. Fujairah Science Club, Govt. of Fujairah, United Arab Emirates (UAE)
21. Gurukula Kangri (Deemed to be University), Uttarakhand
22. College of Medicine and Allied Health Sciences, Sierra Leone
23. United Nation Youth, Ghana, Africa
24. Pharmacist Chemist of Travancore (PCT)
25. School of Pharmacy, a Constituent unit of Sri.Balaji Vidyapeeth, Deemed University, SBV Campus, Pillaiyarkuppam, Pondicherry – 607 402

26. M/s Engen Consultants & Dealers Pvt. Ltd, Innovation Experience, Trivandrum-Kerala

27. CSIR-National Institute for Interdisciplinary Science and Technology (NIIST)



Signed MOU with Fujairah Science club, UAE



Signed MOU with Gurukul gangri university



Signed MOU with Central university of Manipur, Govt. of India

Quality initiatives with collaborative institutions and functional MoU



➤ **INCUBATION CENTRE/START-UP/ENTREPRENEURSHIP CELL**

Institution's Innovation Council (IIC)

Ministry of Education (MoE), Govt. of India has established 'MoE's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). The primary mandate of MIC is to encourage, inspire and nurture young minds by supporting them to work with new ideas and transform them into prototypes.

MIC has envisioned by encouraging the creation of 'Institution's Innovation Council (IICs)' across selected HEIs. A network of these IICs will be established to promote innovation in the Institution through modes leading to an innovation promotion eco-system in the campus.

The major focus of IIC

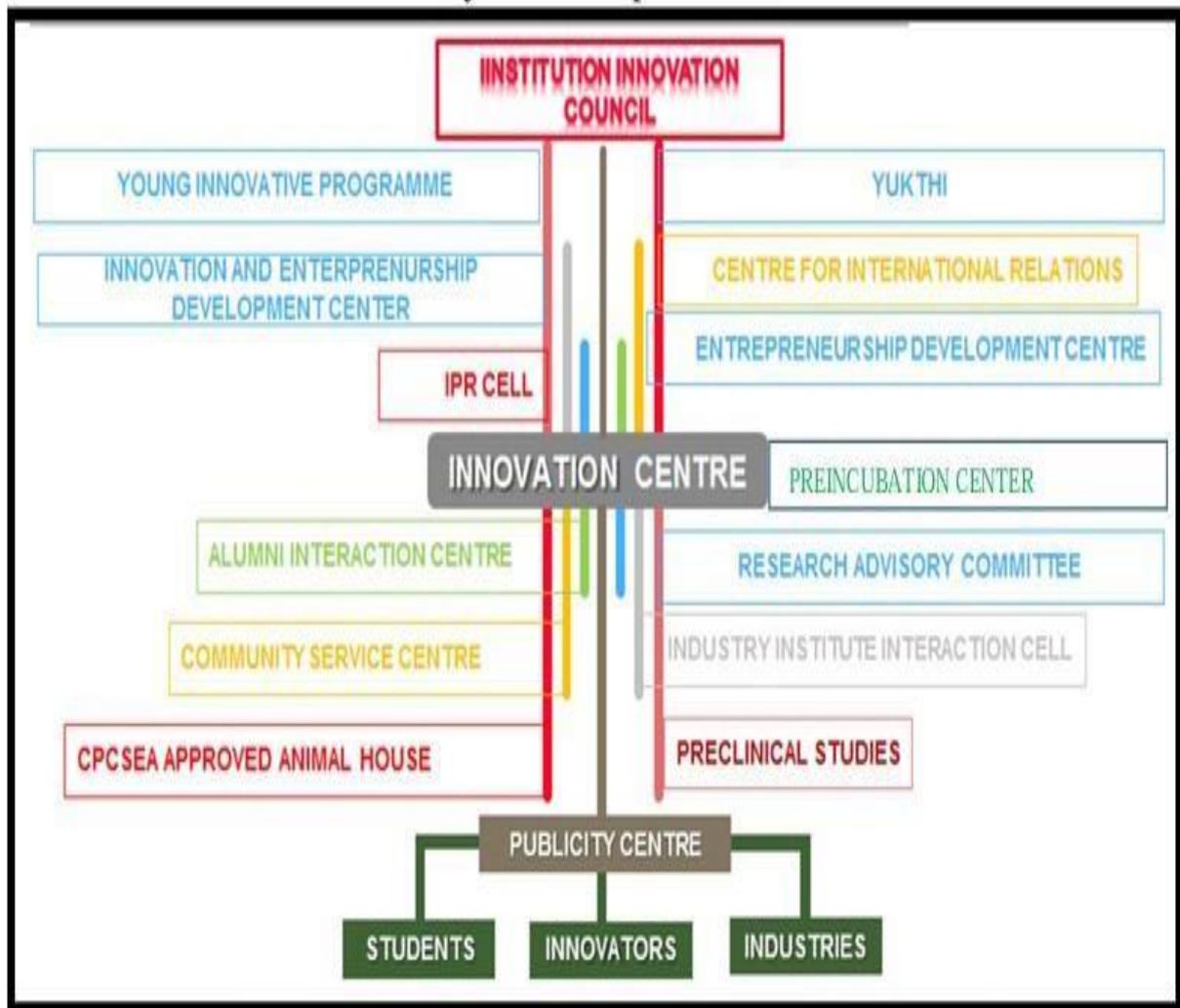
- To create a vibrant local innovation ecosystem. Start-up supporting mechanism in HEIs. Prepare institute for Atal Ranking of Institutions on Innovation Achievements Framework. Establish functional ecosystem for scouting Ideas and Pre-incubation of Ideas. Develop better cognitive ability for technology students.

Functions of IICs

- To conduct various innovation and entrepreneurship related activities prescribed by Central MIC in time bound fashion.
- Identify and reward innovations and share success stories.
- Organize periodic workshops/ seminars/ interactions with entrepreneurs, investors, professionals and create a mentor pool for student innovators.
- Network with peer and national entrepreneurship development organizations.
- Create an Institution's Innovation portal to highlight innovative projects carried out by faculties and students.
- Organize Hackathons, Idea competitions, Mini-challenges etc. with the involvement of industries.

College has recognized Research Center in the departments and this would be an added advantage to the students to develop their prototypes. College conducts coding contest and HACKTHONs through Innovation Council and field trips to get real time experience. Through these activities students will be exposed to industry standards and get an idea of the possibilities of doing their own products. Financial support is extended by the Institution to the students for exhibiting their models at the Idea Generation Contests, Competitions held by other organizations. Students are provided with an opportunity to acquire skills for commercialization of their products. The local entrepreneurs are invited to address the students and inspire them. Young Innovators Programme is a specially designed programme under Kerala Development and Innovation Strategic Council (K-DISC). The Dale View College of Pharmacy and Research Centre is an approved Entrepreneurship Development Centre of Kerala Startup Mission, have CPCSEA approved Animal House, Preincubation center etc.

The institution innovation ecosystem is depicted as below



Yukti Innovation Challenge 2025

YUKTI – Innovation Repository (NIR) is an initiative of the Ministry of Education (MoE) Government of India and it is implemented by MoE’s Innovation Cell and AICTE to build a system of repository of ideas, innovations and startups developed in academic institutions and enabling institutions to systematically foster the I&E culture by managing and nurturing these innovations by offering continuous support in terms of one-to-one mentorship, grant assistance, referral and linkage with incubation units etc. Students & faculties of The Dale View College of Pharmacy & Research Centre participated in the Yukti innovation repository to mark their novel ideas. More than 20 ideas were submitted.

YUKTI - NATIONAL INNOVATION REPOSITORY

List of IDEA / POC						
S.No	Innovation ID	Innovation Title	FY of Development	Developed as part of	TRL Stage	
1	IR2025-953931	<p>THE ATM ALARM</p> <p>Theme: IoT based technologies (e.g. Security & Surveillance systems etc),ICT, cyber-physical systems, Blockchain, Cognitive computing, Cloud computing, AI & ML,</p>	2024-25	Independent Assignment/Non-academic Study Project	TRL 1 : Basic research. Principles postulated observed but no experimental proof available	
2	IR2025-953955	<p>Proposal for Establishing a Dedicated Medical Camp at Army Training Camps.</p> <p>Theme: Defence & Security,</p>	2024-25	Academic Requirement/ Study Project	TRL 1 : Basic research. Principles postulated observed but no experimental proof available	
3	IR2025-953989	<p>Improving Medical Services in Training Camps for Timely and Effective Healthcare Support</p> <p>Theme: Defence & Security,</p>	2024-25	Academic Requirement/ Study Project	TRL 1 : Basic research. Principles postulated observed but no experimental proof available	
4	IR2025-954292	<p>Development of a Heat-Stable Co-Granulated Oral Rehydration Salt and Zinc Formulation for Pediatric Diarrhea Management.</p> <p>Theme: Healthcare & Biomedical devices.,</p>	2024-25	Academic Research Assignment/ Industry Sponsored Project	TRL 1 : Basic research. Principles postulated observed but no experimental proof available	

➤ **CENTRAL FACILITIES**

Facilities for research works



Awareness classes on 'Hygiene in animal house'





EQUIPMENT LIST

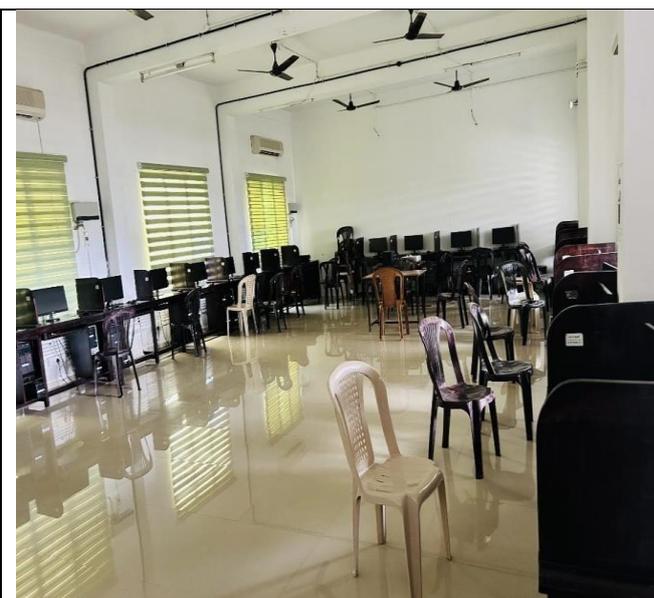
SL NO	NAME OF EQUIPEMENT	NUMBER
1.	BOTTLE WASHING MACHINE	1
2.	PLETHYSMOGRAPH	1
3.	CONVULSIOMETER	1
4.	LIQUID MIXER	1
5.	LIQUID FILLING MACHINE	1
6.	MYOGRAPHIC LEVER	1
7.	STIMULATOR	1
8.	STERILITY TESTING UNIT	1
9.	PROJECTION MICROSCOPE	1
10.	ZONE READER	1
11.	LUCAS MOIST CHAMBER	1
12.	I R MOISTURE BALANCE	1
13.	MUSCLE ELECTRODES	1
14.	COLONY COUNTER	1
15.	DIGITAL MELTING POINT APPARATUS	1
16.	BULK DENSITY APPARATUS	1
17.	BOD INCUBATOR	1
18.	TRINOCULAR MICROSCOPE	1
19.	RHEOMETER	1
20.	IRON EXCHANGER	1
21.	SEALING MACHINE	1
22.	TABLET COUNTER –SMALL SIZE	1
23.	INCUBATOR WATERBATH	1
24.	ORBITAL SHAKER INCUBATOR	1
25.	MANNIEQUINES FOR CPR -1	1
26.	MANNIEQUINES FOR INJECTION IV ARM	1
27.	RESPINOMETER	1
28.	MEMBRANE FILTER	1
29.	CAPSULE COUNTER	1
30.	LIPSTICK MOULD	5
31.	WATER TESTING KIT	1
32.	GEL ELECTROPHORESIS	1
33.	PERMIABILITY CUPS	15
34.	HOTPLATE	2
35.	POCKET P ^H METER	2
36.	VACCUM PUMP	1
37.	SUCCTION PUMP	3
38.	DIGITAL BALANCE (1 mg)	2
39.	CONDENSOR (DOUBLE NECKED)	5
40.	TLC DEVELOPMENT CHAMBER(50 ML,100ML)	1
41.	PHOTOMICROGRAPHIC APPARATUS	1
42.	INOCULATION CHAMBER	1
43.	FLUIDIZED BED DRYER & COATER	1
44.	ELISA READER	1
45.	ROTARY VACUUM EVAPORATOR	1
46.	BRIGHTFIELD MICROSCOPE WITH IMAGE ANALYSER	1
47.	LABORATORY DISPENSER	1

48.	EXTRUDER AND SPHERONIZER	1
49.	NON-INVASIVE B.P MEASUREMENT APPARATUS	1
50.	GLASS COLUMN (DIFFERENT SIZE)	10
51.	STEREOTAXIC RODENT SURGERY APPARATUS	1
52.	REFRIGERATED CENTRIFUGE(2 ⁰ -8 ⁰ C)	1
53.	HIGH PRECISION WATER BATH	1
54.	OPEN FIELD APPARATUS	1
55.	PARALLEL SYNTHESIZER/MULTI SYNTHESIZER	1
56.	TONOMETER	1
57.	NARROW BEAM APPARATUS	1
58.	SPRAY DRYER	1
59.	BIOANALYSER	1
60.	TLC SPREADER	1
61.	CRYOSTAT	1
62.	LYOPHILIZER	1
63.	VORTEX MIXTURE	3
64.	BULK DENSITY APPARATUS	1
65.	GEL DOC APPARATUS, WESTERN BLOT	1
66.	LASER DOPPLER FLOW METER	1
67.	MICROPIPETTE READER	1

PHYSICAL INFRASTRUCTURE



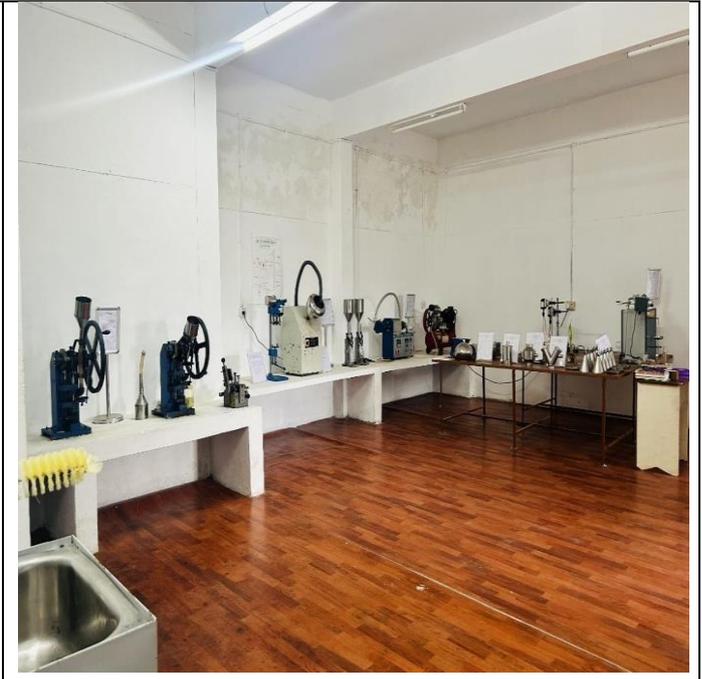
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COMPUTER LAB



CENTRAL INSTRUMENTATION ROOM



MACHINE ROOM