



KSRCAS RESEARCH DIRECTORY

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RESEARCH POLICY



1. Research Policy

The backbone of academics is research. It streamlines design and converts fresh insights into breakthroughs in the pursuit of a new age of research passion. For the promotion of research, K.S.Rangasamy College of Arts and Science (Autonomous) (KSRCAS) has initiated the Research and Development Cell (R&D Cell) in 2011 – 2012. The cell is actively involved in monitoring and developing research activities in KSRCAS.

2. Overview of R&D Cell

R&D Cell strives to foster the research culture by encouraging research in newly developing and challenging frontier areas across all Arts and Science departments. The cell motivates students and the faculty to undertake projects, mini-projects, and case studies in their interdisciplinary domain and also improves the general research competence of the aspiring faculty by allowing them to participate in conferences, seminars, workshops, project competitions, and so on.

3. Scope of the Research Policy

This policy is applicable to all of the college's researchers like

- Faculty, who are involved in teaching, research, and consultancy.
- Ph.D., M.Phil., research scholars, undergraduate and postgraduate students registered with the college.
- Basic, strategic, and applied research activities that are carried out either to meet the academic degree requirements or to develop innovative solutions to social problems.
- Creative works include invention of new ideas, innovations, hypotheses, performances, or objects and the development of new knowledge, or understanding of the existing knowledge.
- Publication, presentation, and communication of research findings and related activities in the form of IPR.

4. List of Objectives

The objectives of the policy are as follows,

- To bring awareness and possibilities for research and development among faculty and students, as well as to foster a research and development environment in each department.

- To provide an environment in which the faculty can pursue research projects and enhance their knowledge, skills, and credentials by registering for a Ph. D.
- To achieve excellence in multi-disciplinary/inter-disciplinary and applied research.
- To support the promotion of technology transfers and industry-collaborative research in high-quality journals, patents, and copyrights.
- To conduct research and development initiatives given by different sponsors.
- To assist, to apply for and receive grants from various funding organizations for Seminar/Workshop/FDP.
- To coordinate workshops at the faculty level and research-related personnel development initiatives.
- To incubate innovative ideas and advance them towards start-ups, enterprises, and consultancy.
- To identify and establish linkages including MoUs for long term relationships with national and international research organizations for widening the scope of research opportunities available to the teachers and students of the college.

5. Research Project

- The Management should create an environment conducive to research by providing suitable infrastructural facilities such as space, library, lab facilities, and funding if available, based on the educational merit of the proposed research.
- Approach National and international organisations such as UGC, ICSSR, ICHR, ICPR, DST, DBT, DRDO, BRNS, ISRO, NBHM, CSIR, TNSCST, UNESCO, UNICEF to fund major and minor research projects undertaken by the faculty.
- Encourage the faculty members with an experience of 5 years and having PhD, to acquire major research project grants from National and international funding agencies.
- Invite industry/ scholars to use the research facilities of the college and sponsor research projects.

6. Code of Conduct

- Individual researcher should follow the code of conduct for research like honesty, transparency, fairness and recordkeeping etc.
- Research techniques should not violate established professional ethics pertaining to the health, safety, privacy, and other personal rights of human beings or to the infliction of injury or pain on animals.

7. Seed Grant

Seed money is provided to faculty who pursue research for a pilot study in the thrust areas. The faculty member may apply for a Seed Grant. A proposal, as well as a detailed budget and amount requested, must be submitted. The proposal and form may be submitted throughout the year. The proposal will be thoroughly reviewed and the allotted grant will be approved within a short duration of its submission. The seed money issued by the college is subject to the following conditions: submit only three proposals per person per year, and a proposal for the following year/round will be accepted by the Head of the institution and only after the researcher has published a research paper from the previous seed grant and all accounts have been duly settled along with an audited report.

8. KSRCAS Adopts the Following Measures to Implement and Monitor Research Initiatives

- **Research Project:** The principal investigator of the project will send the progress report to the concerned funding agency duly forwarded by the Head of the institution.
- **Doctoral Research (Ph.D.):** The Research supervisor and Doctoral Committee Members will review the progress of the Ph.D, every six months for full-time mode and one year for part-time mode. The status will be presented in the annual review meeting and the minutes and reports of the review and progress are submitted to HoD and forwarded to the Principal.
- **PG/UG Research:** The proposal will be presented and approved at the department meeting by the HoD and the faculty. The progress of the work will be monitored and reviewed thrice by the respective departments before the submission of the research findings.

9. The Incentive for the Faculty

The college provides incentives to the faculty who make publications, conference presentations, research grants, copyrights, patent filing, National/International level sponsored scientific events organized and awarded at the National/International level. The incentives will be awarded as per the following norms.

Category 1: Funded R&D Projects from the Government / Industry

1. 5% of the project value for a single member team (PI only).
2. 6% of the project value for a team of two or more members (PI and Co-PI both are from the same institution)

Category 2: Consultancy Projects from the Government/Industry/NGO (Non- Governmental Organization)

1. 10 % of the surplus revenue after deducting all the expenses (PI/Co-PI both are same institution).
2. It will be shared by the team members, as per their contribution.

Category 3: Research Publications

1. If a research paper is published based on his/her work in hard copy or in electronic form in a reputed /refereed international journal as recommended by the R& D Cell, incentive will be paid to the faculty member as indicated below:

Type of Journals	Range of Impact Factor	Incentives in Rs.
International Journals	above 3.0	3000/-
	> 2.0 & < 3.0	2000/-
	> 1.0 & < 2.0	1500/-
	> 0 & < 1.0	1000/-
	Nil/0	500/-
Any reputed/referred National Journal	Not required	500/-

The publications will be considered only if they are indexed in Web of Science and Scopus Database. Journals indexed in UGC care list/Paid Journals will not be considered. Faculty members are encouraged to publish papers only in reputed journals and avoid publications in paid journals. If the paper is contributed by more than one author working in the same institution, the credit availed any one author either corresponding/Co-author. Twice in a year it can be availed

2. Faculty members who have taken efforts to write and publish books or monographs are encouraged and incentive will be given to the faculty member as indicated below.

Details	Published By	Incentives in Rs.
Full book	renowned international publisher with ISSN	5000/-
Full book	renowned National publisher with ISSN	3000/-
Contribution of chapters	renowned International/National Publisher with ISSN	2000/-
Monographs	National level/Int. level	500/-

3. Faculty members who have taken efforts to field patent, the following incentives are applicable only if the disclosure goes through detailed search process by Novel Patents.

- ✶ National/International Patents filed : Rs. 5000/-
- ✶ Patent granted with examination : Rs. 5000/-

Category 4: Research Guidance

1. As successfully completion of research scholar in Ph.D., the research supervisor availed the one year fee as incentive given by the management.

Category 5: Attending Seminars / Conferences / Workshops outside Tamilnadu /outside India

1. Registration fee will be paid by the college not exceeding Rs.2000/-.
2. On-duty will be extended including a day prior and a day after the programmes conducted in out stations at a distance of greater than 300 kms.
3. Once in a year it can be availed.

Category 6: Study Online Course in Advanced Domain Area

1. Examination fee will be paid in full, when elite grade (70% and above) is obtained.
2. 50% of Examination fee will be paid, if the exam is cleared.
3. Once in a year it can be availed.

10. On-duty and Leave for R&D work

Faculty members/ research staff may be granted project leave up to 15 days during a year for work related to 'Research Projects, in addition to the leave available as per College norms. HoDs may be empowered to approve project leave/adjust the academic schedule and it should be approved by the head of the institution.

11. Selection Process for the Recruitment of Research Staff under Sponsored Research and Consultancy Projects

- A. The principal investigator (PI) will send the draft advertisement to the R& D Coordinator along with the Principal, KSRCAS for approval.
- B. PI will advertise the positions and receive the applications.
- C. Screening of applications: The coordinator R&D will fix the meeting of the screening committee with the Principal Investigator and co-investigators if any. Shortlisting will be made and the call letters will be issued to the candidates.
- D. Screening Committee: Constitution
 1. Head of the Institution - Chairman
 2. Concerned Principal Investigator – Member.
 3. Head of the Department – Member
 4. If HoD is a PI, one senior faculty of the department should completed in Ph.D. is a member.
- E. Interview: Head of the institution will fix the date of the interview and the PI will conduct the interview.
- F. Constitution of Selection Committee
 1. Head of the Institution - Chairman
 2. Head of the concerned Department – Member.
 3. Concerned Principal Investigator / Co-Principal/Investigator.
 4. Any external member expert from the sponsoring R&D organization / outside the college if required by the sponsoring agency and will be nominated by the principal on the recommendation of PI.
- G. Final Selection/Appointment: For the approval of management and issuance of appropriate orders, the Principal should transmit the suggestions of the selection committee. Transfer of project staff from one project to another, either on completion or midway, based on the project requirements, may be permitted by the Principal and the PI.

12. Purchase Rules for all Funded Projects

According to the budget, the PI will suggest the acquisition of equipment needed for the research. The PI will contact the vendors, and the purchase will be executed after gathering

three bids for the equipment/software as specified. This is not applicable in the case of proprietary items. For all items, the PI may submit the recommendations for the purchase, after preparing justifications based on the requirement specifications, and cost comparison with due approval from the Chairman/Vice Chairman of the College. However, all the purchase orders shall be signed by the Principal, after taking the approval of purchase as above to avoid any delay in procurement.

13. College Overhead Charges

The college incurs numerous indirect costs in R&D projects, such as lab space, furniture, computers, networking services, salaries of supporting personnel, maintenance, and certain special-purpose equipment. Overhead comprises costs for using the aforementioned facilities, depreciation, and handling fees, among other things, and would be paid for all equipment. It will also cover indirect costs like energy, telephone, stationery, transport rental, and so on.

14. Project Records Maintenance

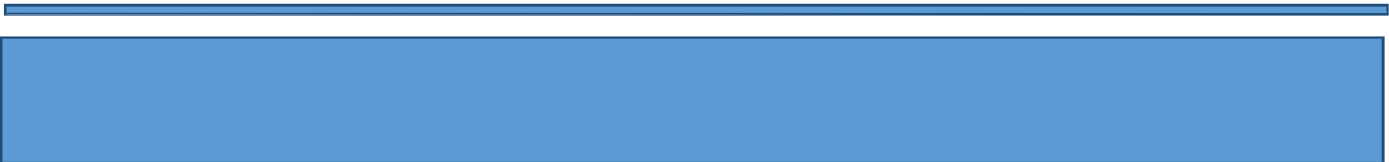
A project guide/principal investigator, holding the essential documents in the Project File, must ensure that the records are preserved and kept in the college. Following the successful conclusion of the project, the PI should create a document summarizing the project's / activity's outcome, including the contributions made by each of the Innovators & Principal Contributors, as well as additional employees. The final record must be signed by the Principal Investigator, co-investigators, and the Principal of the college.

15. Approval and Review

Policy regarding the Institutional Research and Development Cell activities schemes is reviewed once a year or whenever required after discussing/consulting with the Principal of College, R&D Cell Coordinator and Members. The policy of the Research and Development Cell, KSRCAS, is approved by the Chairman of K.S.R.Educational Institutions in discussion with the Principal.

PRINCIPAL

RESEARCH CENTRE



Tamil

Research Supervisors: 03
Pursuing Details: 06

Biotechnology

Research Supervisors: 02
Pursuing Details: 05

Physics

Research Supervisors: 02
Pursuing Details: 03

Biochemistry

Research Supervisors: 03
Pursuing Details: 03

MBA

Research Supervisors: 02
Pursuing Details: 05

Microbiology

Research Supervisors: 01
Pursuing Details: 02

Commerce

Research Supervisors: 05
Pursuing Details: 08

THEME / THRUST AREA

THRUST AREA OF RESEARCH FOR PhD HOLDERS

S.No	Department	Name of the Faculty	Thrust Area
1	Tamil	Dr.M.Punniyamoorthy	Folk Lore
		Dr.M.Moorthy	Sangam Literature
		Dr.M.Shobana	Folk Lore
		Dr.R.Puvitha	Kappiyam (Epics)
		Dr.R.Palanivel	Folk Lore
2	English	Dr. V.Radhakrishnan	English Language Teaching, communication skills
		Dr.M.Sasipriya	Linguistics
3	Mathematics	Dr. V.Kathirvel	Statistics
4	Physics	Dr.G.Suresh Kumar	Nano science and Technology
		Dr. V.Venkadesh	Non linear Dynamics
		Dr. N. P.Subiramaniam	Thin film Technology
		Dr.J.Duraimurgan	Nanomaterial
5	Computer Science	Dr.J.Tamilselvan	Text Mining
		Dr.P.Pradeep Kumar	Grid Computing
		Dr.S.Nithya	Data Mining
6	CS-Data Science	Dr.J.Ramesh	Image Processing
7	Electronics and Communications	Dr.K.M.PrabuSankarlal	Medical Image Processing
		Dr.L.Arunraja	Thin Film hand its application
8	Biotechnology	Dr.M.Prasanna Rajeshkumar	Microbial Biotechnology, Genetic Engineering
		Dr.M.Aarthi	Marine actinomycetes and natural products
		Dr.S.Boobalan	Plant tissue culture, microbial biotechnology
		Dr.Tulasi Ramakrishnan	Environmental biotechnology
		Dr.K.Yashkamal	Eco toxicology, enthomology, Nano toxicants, Nano Molecules arachnology

S.No	Department	Name of the Faculty	Thrust Area
		Dr.R.Karthika	Environmental biotechnology
		Dr.A.Kathirvel	Nano Science
9	Microbiology	Dr.L.Ramkumar	Marine Microbiology and microbiology
		Dr.K.Selvanayaki	Biofilm
10	Biochemistry	Dr.V.Saravanan	Metabolic Disorder
		Dr.S.Vadivukkarasi	Medicinal Plants
		Dr.A.Praveena	Medicinal Plants
		Dr.V.V.Sathibabu Uddandrao	Metabolic Disorder – Diabetic Nethropathy
11	Chemistry	Dr.R.P.Suresh Jayakumar	Physical Chemistry and Nano Chemistry
		Dr.V.T.Priya	Physical Chemistry
		Dr.A.Rathinavelu	Physical Chemistry
12	BCA	Dr.T.Venkateshwaran	Digital Marketing
		Dr.Dhanasekaran	Computer Networks

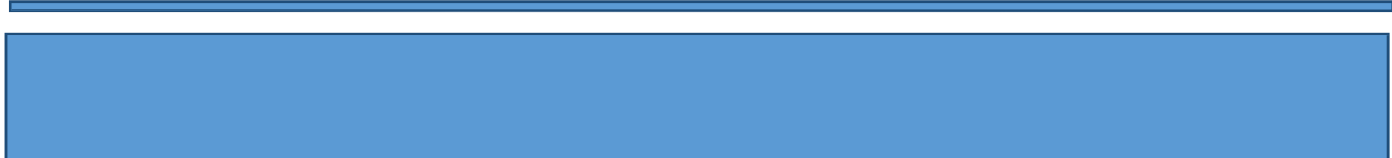
S.No	Department	Name of the Faculty	Thrust Area
13	Commerce	Dr.S.Maheshkumar	Human Resource Management
		Dr.K. Vishvanathan	Finance
		Dr.P.Govindan	Service Marketing
		Dr.S.Ramji	Finance
		Dr.S.Nisha	Marketing
		Dr.N.Rajendran	Finance
		Dr.K.Ramesh	Human Resource Management
		Dr.R.Venkatesh	EDP and OB
14	BBA	Dr.M.Baskar	Service Marketing
		Dr.Samuel Augustina Lata Jeyaraj	Marketing
		Dr.M.Devisri	Banking
		Dr.V.Vetriselvan	Service Marketing
		Dr.M.A.Ravichandaran	Human Resource Management
		Dr.S.Karkuzhali	Marketing
15	TFD	Dr. V.Karthi	Natural Dyeing
16	VIS.COM	Dr.B.Ganesh Prabhu	New Media
17	MBA	Dr.P.Vanitha	Human Resource Management
		Dr.S.Ramasamy	Human Resource Management
		Dr.M.Rajamanickam	Service Marketing

SOFTWARE DETAILS

DETAILS OF SOFTWARE (Purchased)

Department	English
Software Name	E-Class
Number of License	90 user
Amount (Rs)	1,82,000/-

Ph.D DETAILS



DETAILS OF RESEARCH SUPERVISORS

S.No	Department	Name of the Supervisor	Name of the Scholar	Mode (Part Time /Full Time)	
1	Tamil	Dr.G.Ravichandran	M.Selvi	Part Time	
			R.Umadevi		
			A.M.Muniyappan		
			Dr.Muppidathi		S.Thangaraj
2	English	Dr. V.Radhakrishnan	Dr.C.R.Suresh	Part Time	
			K.Nathiya		
			P.Narmatha		
			R.D.Gomathi		
3	Microbiology	Dr.L.Ramkumar	R. Gomathy	Part Time	
			K. Jefferson		
			R. Ramya Sri		
			C. Athiyaman		
4	Biochemistry	Dr.G.Saravanan	R.Umamaheswari	Part Time	
			K.S.Shanmugam		
			S.Indumathi		
			P.Chandrasekaran		
5	Physics	Dr. G. Suresh Kumar	P.P.Sethumathi	Full Time	
			P. Tamilmani		
			Dr. S. Vadivukkarasi		-
			Dr.A.Praveena		-
6	Commerce	Dr.S.Maheskumar	S. Ranjith Priyan	Part Time	
			K. Babu		
			Dr. M.Venkatesh		R. Keerthiga
			Dr.K.Visvanathan		S.Devendra Prabhu V.L.Sureshbabu
			K.Ramesh	Part Time	
			Dr.M.Devisri		
			C.Kesavan		
			P. Violt Glady		
			M. Nandhini	Part Time	
			Dr. K. Ramesh		
			M. Bhuvaneshwari		
			P. Jayaram		
		Dr.P.Govindhan	-	-	

DETAILS OF RESEARCH SUPERVISORS

S.No	Department	Name of the Supervisor	Name of the Scholar	Mode (Part Time /Full Time)
7	Biotechnology	Dr.M.Prasanna Rajeshkumar	M.Kowsalya	Full Time
			T.Velmurugan	
			S. Srinivasan	Part Time
			G.Jayanthi	
8	MBA	Dr.D.Kamalanathan	R.Srinivasan	Full Time
		Dr.S.Ramasamy	R.Elumalai A.Karthigaiselvan	Part Time
		Dr.A.T.Jaganathan	J.Suresh M.Sakthivel S.Shalini	Part Time

MoU

DETAILS OF MoU

S. No	Name of the Department	Date of MoU	Collaborate Partner Details	Purpose of MoU	Duration
1	BCA	20.10.2023	Neurarii Solution Pvt.Ltd	Faculty Training and Student Projects	2023 onwards
2	Biochemistry	30.10.2023	Bioinnov Solutions LLP, Salem, Tamilnadu-636009	To collaborate on academic student projects, skills development programs, industry - specific outcome - based training, and internship training for students	5 years
		10.11.2023	K Catch U Academy and Technologies Pvt Ltd., Coimbatore	To Collaborate in academic projects of the students, to enhance the Skills and for undergoing Internships in their Academy.	5 years
3	Biotechnology	06.11.2023	Elies Biotech Private Limited, Erode	Skill Based Training, Education and Research	3 years
		01.11.2023	Professional Info Tech Pvt Ltd, Coimbatore.	Value added basic course on "Medical Coding", Knowledge in the field of Health care	3 years
		16.10.2023	SV Micro Laboratory, Idappadi	Skill Based Training, Education and Research	3 years
4	Computer Science	07.09.2023	ETS Academy	Lively involved in giving away the services like IT Services, Internships, Workshops, Seminars, Hackathons and Hands-on-training	3 years
5	Electronics and Communication	25.09.2023	Emglitz Technologies, Sasi Baba Colony, Coimbatore-641003	Providing to students training and tie-up	3 years
6	Physics	31.10.2023	Indian Spectro Physics Association, Chennai	Internship & research	3 years
7	Textile and Fashion Designing	27.07.2023	Jansons Industries Limited, Erode	To develop the technical knowledge in furnishing, home textile products	3 years

S. No	Name of the Department	Date of MoU	Collaborate Partner Details	Purpose of MoU	Duration
8	Chemistry	21.09.23	Erocart, Solution to portable scientific research laboratories tools and educational kits, Dasampalayam, Erode-638478.	Training, Education and Research	1 year
9	English	09-03-22	Aalayam Academy Skill Development Centre M.G Road New Fairlands, Salem, Tamilnadu. 636016	Training	5 years

CONSULTANCY

DETAILS OF CONSULTANCY	
Department	BCA
Name of the Consultancy	Core verse
Name of the Activity	Web Development (Student)
Amount (Rs)	15,000/-

PUBLICATION

PUBLICATIONS

S.No	Department	Authors	Title	National/ International	Scopus/ Sci/UGC
1	B.Com CA	Ms. H. Fathima	Enhancing Food Quality Improvement and Instigate Smart Agriculture Using Artificial Intelligence Technology	International	Scopus
2	BCA	Dr.T.S.Venkateswaran & Mr.S.Sakthivel	The System and Method Computer Implemented E-Commerce Platforms for Return Online Product Using IoT Technique	International	IEEE – Scopus
3	BCA	Mr.K.Murugesan, Mr.M.Jayapal and Ms.R.B.Sowmya	"Light weight confidence and authentication in wireless organization region network"	National	UGC
4	Biotechnology	Ramasamy Srinivasan., D Kamalanathan., Selvakumar Boobalan., Venkatachalam Saranyaa., Sekar Mouliganesh., Renganathan Seenivasagan	Agrobacterium rhizogenes influences aervine enhancement in hairy root culture of Aervajavanica (Burm.f.) Juss. ex Schult and in silico assessment of human breast cancer activity	National	Scopus
5	Biotechnology	Mariyappan Kowsalya., Woong Kim., Srinivasan Velmurugan., R Mythili., Kattakgounder Govindaraj Sudha., Saheb Ali., Balakrishnan Kalpana., M Prasanna Rajeshkumar	Extraction and characterization of exopolysaccharides from Ramalingam., Thangavel Lactiplantibacillusplantarum strain PRK7 and PRK 11, and evaluation of their antioxidant, emulsion, and antibio film activities	International	Scopus

S.No	Department	Authors	Title	National/ International	Scopus/ Sci/ UGC
6	Biotechnology	Gopalu Karunakaran., Kattakgoundar Govindaraj Sudha., Saheb Ali., Eun-bum Cho	Biosynthesis of Nanoparticles from Various Biological Sources and Its Biomedical Applications	International	Scopus
7	Biotechnology	R.Karthika	Larvicidal efficacy and characterization of silver nanoparticles derived from aqueous leaves extracts of Trichosanthes tricuspidata against dengue vector Aedes aegypti.	National	Scopus
8	Bio Technology	A.Kathirvel	Green synthesis of zirconia nanoparticles and their characterisation, anticancer activity and corrosion inhibition properties	International	Scopus
9	Bio Technology	Dr. K. Yashkamal	Ber Shelf Life: Hexanal increases	National	Scopus
10	Bio Technology	Dr. K. Yashkamal	A Trap for Females To control melon flies	National	Scopus
11	Bio Chemistry	Sasikumar Vadivukkarasi., Sudha Govindan., Gayathri Rajendran., Archana Rajendran., Prasanna Ramani., Mirian Pateiro., José M Lorenzo	Protective effect of aqueous extract of Pleurotuseous against Dalton's lymphoma ascites tumor in mice	International	Scopus
12	Bio Chemistry	Tamilmani P, VV Sathibabu Uddandrao, Chandrasekaran P, Saravanan G, Brahmanaidu P, Sengottuvelu S, Vadivukkarasi S.	accumulation and oxidative stress in metabolic dysfunction-associated steatotic liver disease via Sirt1/Akt/PPRA- α /AMPK and Nrf-2/HO-1 signaling pathways	International	Scopus

S. No	Department	Authors	Title	National/ International	Scopus/ Sci/ UGC
13	Bio Chemistry	Roy Anitha, Neelakantappa Vasantha Mallenahalli, Ganesan Jayashree, Ramajayam Asokan Balakrishnan, Kulandaivel Srinivasan, VV Sathibabu Uddandrao,	Beta-glucan protects against isoproterenol-induced cardiac remodeling by regulating the ACE-AT1R axis and attenuates cardiac inflammation and apoptosis	International	Scopus
14	Bio Chemistry	VV Sathibabu Uddandrao, Brahma Naidu P Chandrasekaran P, Saravanan G.	Pathophysiology of obesity-related infertility and its prevention and treatment by potential phytotherapeutics	International	Scopus & SCI
15	Physics	Gopalu Karunakaran, Eun-Bum Cho, Keerthanaa Thirumurugan, Govindan Suresh Kumar, Evgeny Kolesnikov and Selvakumar Boobalan	Antibacterial mesoporous Sr-doped hydroxyapatite nanorods synthesis for biomedical applications	International	Scopus
16	Physics	Selvaraj Ranjith Priyan, Govindan Suresh Kumar, Srinivasan Surendhiran, Mohd Shkir	Size-controlled synthesis of mesoporous silica nanoparticles using rice husk by microwave-assisted sol-gel method	International	Scopus
17	BBA	Mrs. K. Karkuzhali	Retailers of Brick and Mortars impact towards online shopping at Salem District	National	UGC
18	BBA	Dr. S. Augustina Lata Jeyaraj	B2B Digital Marketing Perspective to Study the Ethical Principles of Organisation Behaviour in India	International	Scopus
19	Electronics & Communication	S. Karthikeyan	Unveiling the Photocatalytic property of La ₂ O ₃ -CuO Nanocomposites for organic pollutants in wastewater treatment	International	Scopus

S. No	Department	Authors	Title	National/ International	Scopus/ Sci/ UGC
20	Electronics & Communication	S.Karthikeyan	Unveiling the Photocatalytic property of La ₂ O ₃ -CuO Nanocomposites for organic pollutants in wastewater treatment	International	Scopus
21	Tamil	Dr.N.Punniyamoorth	Aganaa Noottrup Paadalgail Vengai Maram	National	UGC
		Dr.N.Punniyamoorthy	Sanga Ilakkiyaththil Veligal	National	UGC
		Mr. V.Sathees	Thamizhar Aram Saarntha Panbadugal	International	Scopus
		Mr. V.Sathees	Thamizhaga Makkalin Nambikkaigal	International	Scopus
		Mr.C.Krishnamoorthy	Barathiyin Paanchali Sabathaththil Pennaiya Sinthanaiyum Varalaattruththaakkam	International	Scopus
23	English	Mr.J.Sibi Chakaravarty	Socio-Cultural Integration as a Paramount of Social Equality in the Novels of Premchand	National	UGC
24	English	Mr.J.Sibi Chakaravarty	The Post-modern condition of Paranoia in Thomas Pynchon's The Crying of Lot 49	National	Scopus

PATENT

DETAILS OF PATENT

S.No	Department	Name of the Faculty	Name of the Patent	Status(Published /Granted/ Applied)
1	English	V.V.Maline Mr.J.Sibi Chakaravarty	A Significance of skill programs for Assisting in English Language Improvements	Published
		C.Sabharishwaran	Analyzing of English Teachers facing difficulties in teaching English in Government School	Published
2	Computer Science (PG)	Dr.J.Tamilselvan	Secured IoT Framework for Malware Detection of Cloud Networks using Machine Learning	Applied
3	Chemistry	Dr.A.Rathinavel	E22. Electrical conduction and energy gap of bismuth ferrite(BiFe) nanoscale particles for solar energy	Applied
4	BCA	Dr.T.S.Venkateswaran & Mr.S.Sakthivel	Indian Patent Office conversion	Published
5	MBA	Dr.P.Vanitha	Impact of Performance based rewards and appraisal towards development of employees skill in information technology sector	Published
6	MBA	Dr.M.Rajamanickam	Analysis of Ownership power and managing professional Work force in a Industry	Published
7	Biotechnology	Dr.S.Boobalan Dr.M.Prasanna Rajeshkumar	Process Patent	Applied

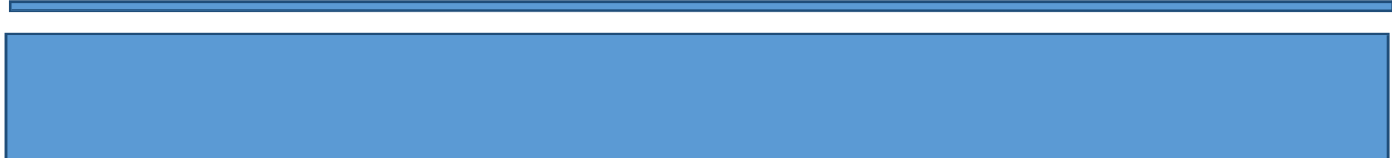
S.No	Department	Name of the Faculty	Name of the Patent	Status(Published /Granted/ Applied)
8	BBA	Dr.S.Augustina Lata Jeyaraj	Implementing Data Analytics for Financial Decision Making in Business Administration	Published
		Dr.M.Devisri	Developing a Block Chain – Based Supply Chain Management	Published

**RESEARCH
GRANT**

DETAILS OF RESEARCH GRANT

Department	Biochemistry
Name of the Research Grant	DST-SURE
Amount (Rs)	40,00,000
Status(Received/Apply)	Applied

**BOOK/CHAPTER
PUBLISHED**

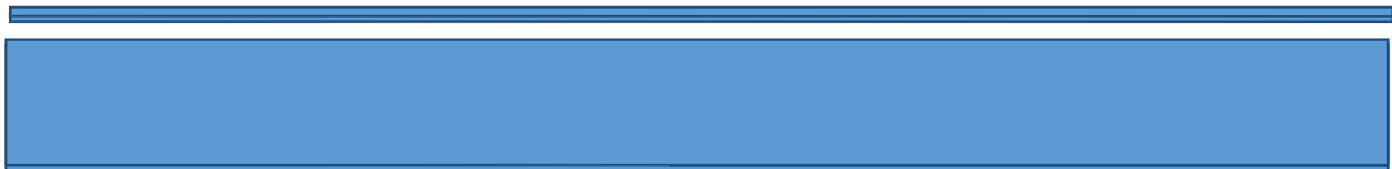


DETAILS OF BOOK CHAPTER

S.No	Department	Name of the Book/Chapter	ISBN Number	Faculty Name
1	Commerce	Bluck Duck Publications	978-93-93996-54-1	Dr.R.Venkatesh
2	Electronic and Communication	Investigation of Photoluminescence and IV study of In As/GAS Based Quantum Dot.	978-93-92917-92-0	Mr.I..Dhatchinamurthv
3	Electronics and Communication	Study and Analyze of Energy Detector for Signal Detection in Noise.	978-93-92917-92-0	Mr.S.Karthikeyan
4	MBA	Blue Ocean Strategy- A New Paradigm in Strategy Formulation (Book Chapter)	978-93-5813-508-4	Dr.P.Vanitha
	MBA	A Study on New Paradigms in Management Science (Book Chapter)	978-93-5813-508-4	Ms.S.Keerthana
	MBA	Economic Empowerment Schemes for Women Entrepreneurs	978-93-5980-204-6	Dr.P.Vanitha

S.No	Department	Name of the Book/Chapter	ISBN Number	Faculty Name
5	MBA	Challenges and Hurdles in the journey of Women Empowerment and Suggested Measures to overcome	978-93-5980-204-6	Dr.S.Ramasamy
	MBA	Blue Ocean Strategy- A New Paradigm in Strategy Formulation (Book Chapter)	978-93-5980-204-6	Dr.M.Rajamanickam
	MBA	International Women's Day - Its relevance in the Indian Perspective	978-93-5980-204-6	Ms.S.Keerthana
	MBA	Women Empowerment and Development in the Society	978-93-5980-204-6	Mr.S.Aruneswaran
	MBA	Social Women Empowerment Schemes	978-93-5980-204-6	Ms.M.Nithya
	English	The portraiture of Scientized mythology and medicinal science in Amish Tripathi's 'The Immortals of Meluha'	978-93-5506-803-3	Mrs.V.V.Malinee Mr.C.Shabharishwaran Mr.J.Sibi Chakaravarty

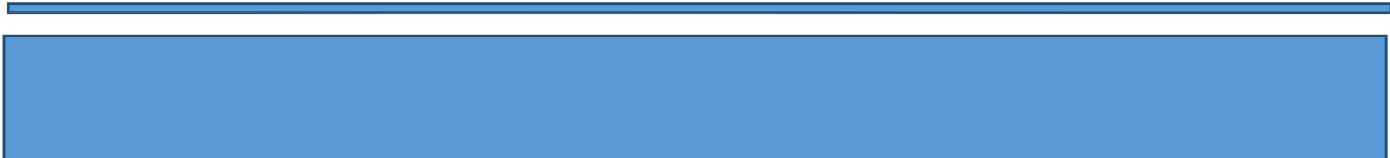
**CONFERENCE / SEMINAR
ORGANIZED**



CONFERENCE /SEMINAR ORGANIZED

S.NO	Department	Title of the Conference/Seminar	National/ International	Date
1	Physics	Intellectual Property Rights (IPRs) and IP Management for Startup	National	12.08.23
		Seminar on AI tools in Various Domains	National	10.07.23 & 11.07.23
2	Computer Science (UG)	Hands on Training 2D and 3D Multimedia Modeling	National	25.08.23
		Skill Development Programme on Machine Learning	National	17.07.23
3	Computer Science (PG)	National Seminar on AI Tools in various Domains	National	10.07.23 & 11.07.23
		National Level Skill Development Program on Machine Learning	National	17.07.23
4	CS-Data Science	AI Tools in Various Domains	National	10.07.23 & 11.07.23
5	BCA	National Seminar on AI in various domains	National	10.07.23 & 11.07.23
		National Skill Development Program on Machine Learning	National	17.07.23
6	B.Com (B&I) B.Com (PA) B.Com	Revolution and Reform in Accounting and taxation	International	08.09.2023
7	Physics	TNSCST & NCSTC sponsored Hands-on Training on Sky Observation and Future STI in space Station	National	05.10.2023, 06.10.2023

**CONFERENCE / SEMINAR
(Presented / Participated)**



PRESENTATION / PARTICIPATION IN CONFERENCE & SEMINAR

S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
1	English	Faculty	R.Pavithra	National Seminar	Presented	04.08.23
			J.Sibi Chakaravarty			
2	Physics	Research scholar	S. Ranjith Priyan	National Seminar	Participated	01.09.23
					Participated	04.09.23 & 05.09.23
2	Physics	Faculty	V.T. Jeielayaganga	National Seminar	Participated	10.07.23 & 11.07.23
3	Computer Science (UG)	Faculty	K.Rajkumar	National Seminar	Participated	10.07.23 & 11.07.23
			A.Kesavamoorthy			
			J.Rathi			
			A.Arun Kumar			
			G.Hari Priya			
			M.N.Haseeb Ur Rahman			
			K.Thilakavalli			
			D.P.Savithri			
			P.Kulandaivel			
			D.Vinothini			
			M.Jothilakshmi			
			G.VijayaNarayanan			
			V.Priyadharshini			
			Dr.P.Pradeep Kumar			
			A.Venugopal			
			Dr.S.Nithya			
			P.Suganya			
			M.Vennila			
			S.Shree Menaghaa			
			N.K.Gobu			
D.P.Savithri						
V.Priyadharshini						
Dr.S.Nithya						

S. No	Department	Faculty /Research	Name	National/ International	Presented/ Participated	Date			
4	Computer Science(PG)	Faculty	Dr. J. Tamilselvan	International Conference	Presented	21.07.23			
			S.Krishnamoorthy						
			Dr.K.Chinnathamb						
			B. Sowmya						
			G.Sivakumar						
			B. Sowmya						
			Dr.K.Chinnathamb						
5	Biochemistry	Ph.D Research	Chandrasekaran P	International Conference	Presented	08.07.23 & 07.07.23			
			Chandrasekaran P						
			Chandrasekaran P						
6	CS-Data Science	Faculty	J.Ramesh	National Seminar	Participated	10.07.23 & 11.07.23			
			C.Manikandan						
			V.Kavipriya						
			C.Lakumanan						
			R.Revathi						
			V.Kavipriya				International Conference	Presented	21.06.22
			R.Revathi						
7	BCA	Faculty	S.Uma Parameswari	National conference	Presented	30.08.23			
			D.Jeevitha						
			M.Valarmathi						
			S.Jayabharathi						
8	B.Com CA	Faculty	Dr.P.Govindan	National Seminar	Participated	10.07.23			
						11.07.23			

S.No	Department	Faculty/ Research Scholar	Name	National/ International	Presented/ Participated	Date
9	Commerce	Faculty	Dr.K.Visvanathan	Interational	Presented	08.09.23
			Mr.V.L.Sureshbabu	Interational	Presented	08.09.23
			Mrs.M.Nalini	Interational	Presented	08.09.23
			Ms.E.Kirubha	Interational	Presented	08.09.23
			Ms.P.Ramya	Interational	Presented	08.09.23
			Dr.R.Venkatesh	Interational	Presented	08.09.23
			Mrs.M.Mohanaal	Interational	Presented	08.09.23
			Mr.T.Krishnaraj	Interational	Presented	08.09.23
			Dr.K.Visvanathan	National	Presented	12.10.23 & 13.10.23
			Mr.V.L.Sureshbabu	National	Presented	12.10.23 & 13.10.23
			Mrs.M.Nalini	National	Presented	12.10.23 & 13.10.23
			Ms.E.Kirubha	National	Presented	12.10.23 & 13.10.23
			Ms.P.Ramya	National	Presented	12.10.23 & 13.10.23
			Dr.R.Venkatesh	National	Presented	12.10.23 & 13.10.23
			Mrs.M.Mohanaal	National	Presented	12.10.23 & 13.10.23
			Mr.T.Krishnaraj	National	Presented	12.10.23 & 13.10.23

S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
10	B.Com CA	Faculty	Dr.S.Maheshkumar	International	Presented	19.10.2023
			Dr.P.Rajendran	International	Presented	19.10.2023
			Mr.S.Krishinamoorthi	International	Presented	19.10.2023
			Dr.K.Ramesh	National	Presented	19.10.2023 to 20.10.2023
			Dr.P.Govindan	National	Participated	15.09.2023
			Dr.P.Govindan	National	Presented	06.10.2023
			Dr.P.Govindan	National	Presented	19.10.2023 to 20.10.2023
			Dr.P.Govindan	International	Participated	12.10.2023 to 13.10.2023
			Mr.R.Senthilkumar	International	Presented	11.09.2023
11	B.Com(B&I)	Faculty	Dr.S.Ramji	International	Presented	08.09. 2023
			Mr.V.Jayaram	International	Presented	08.09. 2023
			Ms.M.Rubini	International	Presented	08.09. 2023
			Ms.P.Kaviya	International	Presented	08.09. 2023
			Dr.S.Ramji	National	Participated	06.10.2023
			Dr.S.Ramji	National	Presented	13.10.2023
			Ms.M.Rubini	National	Presented	13.10.2023
			Mr.V.Jayaram	National	Participated	30.10.2023
12	B.Com PA	Faculty	Dr.S.Nisha	International	Presented	08.09. 2023
			Mr.R.Manikandan	International	Presented	08.09. 2023
			Ms.E.Anushree	International	Presented	08.09. 2023
			Ms.R.Monisha	International	Presented	08.09. 2023
			Ms.P.P.Anjana	International	Presented	08.09. 2023
			Dr.S.Nisha	International	Presented	12.10.2023 to 13.10. 2023

S.No	Department	Faculty /Research	Name	National/ International	Presented/ Participated	Date
13	Biochemistry	Faculty	Dr. A. Praveena	National Conference on "Frontiers in Biotechnology"	Presented	22.09.2023
			Mrs.M.Suganya	International Conference on "Interdisciplinary Approaches in LifeScience Research"	Presented	09.10.2023 & 10.10.2023
			Ms.S.Madhura		Presented	09.10.2023 & 10.10.2023
			Dr. A. Praveena	DBT sponsored International Symposium on "Fostering Skill Development in the Biotech Industry: A Path to Success"	Presented	12.10.2023 To 14.10.2023
			Mrs.M.Suganya		Presented	
			Ms.G.M.Dhevikarunaa		Presented	
			Mr.S.Gokul		Presented	
			Dr.G.Saravanan		Participated	
			Dr. S. Vadivukkarasi		Participated	
			Dr.V.V.Sathibabu Uddandrao		Participated	
			Ms.S.Madhura		Participated	
			Dr. A. Praveena	Online Workshop on "Cyber Security and its Role in Healthcare Today" organized by NPTEL, IIT Madras	Participated	13.10.2023
			Dr. S. Vadivukkarasi			
			Dr.V.V.Sathibabu			
			Mrs.M.Suganya			
			Ms.S.Madhura			
			Ms.G.M.Dhevikarunaa			
Mr.S.Gokul						
Dr.G.Saravanan						

S. No	Department	Faculty /Reseach	Name	National/ International	Presented/ Participat	Date
			Dr.A.Praveena	5 Day	Participated	16.10.2023 to 20.10.2023
			Dr. S. Vadivukkarasi	International Virtual Faculty		
			Dr.V.V.Sathibabu Uddandrao	Development programme on		
			Mrs.M.Suganya	“ Recent		
			Ms.S.Madhura	Trends in Biological		
			Ms.G.M.Dhevikaruna	Sciences” organized by Department of		
			Mr.S.Gokul	Botany, Seethalakshmi		
			Dr.G.Saravanan	Ramaswamy College, Trichy. Trichy.		
			Ms.G.M.Dhevikaruna	National level workshop cumtraining	Participated	17.11.2023
			Mr.S.Gokul	programme on Polymerse Chain Reaction , NFTEM -		
			Dr. A. Praveena	National level workshop cumtraining programme on		
			Ms.S.Madhura	Fermentor, NFTEM - T,Thanjavur		

S. No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
14	Computer Science	Faculty	Ms.J.Rathi	International	Presented	27.09.2023
			Mr.A.Arunkumar	International	Presented	27.09.2023
			Dr.S.Nithya	International	Presented	27.09.2023
			Ms.G.Haripriya	International	Presented	27.09.2023
			Ms.D.Vinothini	International	Presented	27.09.2023
			Ms.K.Thilakavalli	International	Presented	27.09.2023
			Ms.J.Rathi	International	Presented	12.10.2023
			Mr.A.Arunkumar	International	Presented	12.10.2023
			Dr.S.Nithya	International	Presented	12.10.2023
			Ms.G.Haripriya	International	Presented	12.10.2023
			Ms.D.Vinothini	International	Presented	12.10.2023
			Ms.M.Jothilakshmi	International	Presented	12.10.2023
			Ms.D.P.Savithri	International	Presented	12.10.2023
			Ms.V.Priyadharshini	International	Presented	12.10.2023
15	Electronics and Communication	Faculty	Mr.L.Dhatchinamurthy	International Conference on Recent Trends in Computing and Analytics-ICRTA 2023	Presented	12.10.2023
			Mr.S.Karthikeyan	International Conference on Recent Trends in Computing and Analytics-ICRTA 2023	Presented	12.10.2023
			Ms.A.Vimala	International Conference on Recent Trends in Computing and Analytics-ICRTA 2023	Presented	12.10.2023

S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
			Ms.R.Rami	International Conference on Recent Trends in Computing and Analytics- ICRTA 2023	Presented	12-10-23
16	MBA	Faculty	Dr.P.Vanitha	International Conference on Revolution and reforms in Accounting and taxation	Presented	8.9.2023
			M.Nithya	International Conference on Revolution and reforms in Accounting and taxation	Presented	8.9.2023
			Dr.P.Vanitha	ICSSR Sponsored one day National Seminar on Welfare Schemes to Empower to Lead India's Development Journey Organized by Shrimathi Indira Gandhi College, Tiruchirappalli	Presented	6.10.2023

S.No	Department	Faculty /Research Scholar	Name	National/ Internatinal	Presented/ Participated	Date
			Dr.S.Ramasamy	ICSSR Sponsored one day National Seminar on Welfare Schemes to Empower to Lead India's Development Journey Organized by Shrimathi Indira Gandhi College,	Presented	6.10.2023
			Dr.M.Rajamanickam	ICSSR Sponsored one day National Seminar on Welfare Schemes to Empower to Lead India's Development Journey	Presented	6.10.2023
			Ms.M.Nithya	ICSSR Sponsored one day National Seminar on Welfare Schemes to Empower to Lead India's Development Journey Organized by Shrimathi Indira Gandhi College, Tiruchirappalli	Presented	6.10.2023

S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
			Mr.S.Aruneswaran	ICSSR Sponsored one day National Seminar on Welfare Schemes to Empower to Lead India's Development Journey Organized by Shrimathi Indira Gandhi College, Tiruchirappalli	Presented	6.10.2023
			Ms.S.Keerthana	ICSSR Sponsored one day National Seminar on Welfare Schemes to Empower to Lead India's Development Journey Organized by Shrimathi Indira Gandhi College, Tiruchirappalli	Presented	6.10.2023

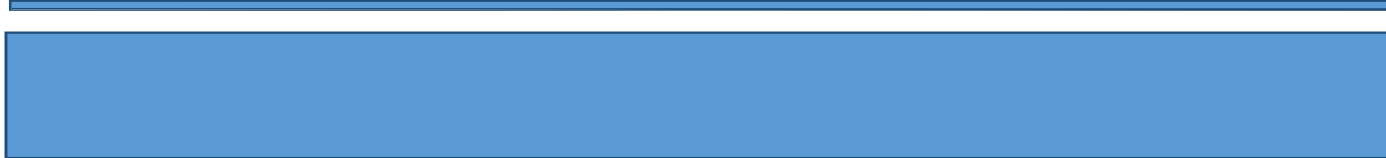
S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
17	Chemistry	Faculty	Dr.R.P.Suresh Jeyakumar	National	Presented	05.10.2023 & 06.10.2023
			Dr.V.T.Priya	National	Presented	05.10.2023 & 06.10.2023
			Mr.S.Vijayakumar	National	Presented	05.10.2023 & 06.10.2023
			Mrs.S.Ruba	National	Presented	29-09-2023
18	Tamil	Faculty	Dr.M.Shobana	National	Participated	29.09.2023
			Mrs.L.Vennila	National	Participated	27.09.2023
			Dr.M.Moorthy	National	Participated	02.11.2023
			Mr.V.Sathess	National	Participated	27.09.2023
			Mr.V.Sathess	National	Participated	02.11.2023
			Mr.R.Natesan	National	Participated	27.09.2023
			Mrs.S.Bharathi	National	Participated	27.09.2023
			Mrs P.Poongodi	National	Participated	02.11.2023
			Mr.C.Krishnamoorthy	National	Participated	02.11.2023
			Mr.C.Krishnamoorthy	National	Participated	27.09.2023
Mrs R.Puvitha	National	Participated	29.09.2023			

S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
			Mrs R.Puvitha	National	Participated	27.09.2023
			Mrs R.Puvitha	National	Participated	19.10.2023
19	English	Faculty	Mr.P.Nagarajan	National	Presented	04.09.2023 & 04.09.2023
			Ms.R.Indumathi	National	Presented	& 05.09.2023
			Ms.F.Deepa	National	Presented	04.09.2023 & 05.09.2023
			Ms.K.Jayaranjini	National	Presented	04.09.2023 & 05.09.2023
			Mr.R.Pachagoundan	National	Presented	04.09.2023 & 05.09.2023
			Mr.S.Prabakaran	National	Presented	04.09.2023 & 05.09.2023
			Ms.C.B.Janani	National	Presented	04.09.2023 & 05.09.2023
			Ms.A.Jenifer	National	Presented	04.09.2023 & 05.09.2023
			Ms.M.Kalaivani	National	Presented	04.09.2023 & 05.09.2023
			Ms.M.Lavanya	National	Presented	04.09.2023 & 05.09.2023
			Ms.S.Janani Sri	National	Presented	04.09.2023 & 05.09.2023

S.No	Department	Faculty /Research Scholar	Name	National/ International	Presented/ Participated	Date
			Ms.P.Sharmila Devi	National	Presented	04.09.2023 & 05.09.2023
			Mr.S.Ashok	National	Presented	04.09.2023 & 05.09.2023
			Ms.R.Pavithra	National	Presented	04.09.2023 & 05.09.2023
			Ms.R.Priyanka	National	Presented	04.09.2023 & 05.09.2023
			Ms.V.M.Rubasri	National	Presented	04.09.2023 & 05.09.2023
			Ms.P.Janani	National	Presented	04.09.2023 & 05.09.2023
			Ms.S.Mehala	National	Presented	04.09.2023 & 05.09.2023
			Mr.P.Dineshraj	National	Presented	04.09.2023 & 05.09.2023
			Mr.J.Sibi Chakaravarty	National	Presented	04.09.2023 & 05.09.2023
			Ms.R.Pavithra	National	Presented	15.09.2023
			Ms.R.Priyanka	National	Participated	16.09.2023
			Mr.P.Nagarajan	National	Presented	21.09.2023
			Ms.K.Jayaranjini	National	Presented	21.09.2023
			Ms.C.B.Janani	National	Presented	21.09.2023
			Ms.A.Jenifer	National	Presented	21.09.2023

S.No	Department	Faculty/ Research /Scholar	Name	National/ International	Presented/ Participated	Date
			Ms.M.Kalaivani	National	Presented	21.09.2023
			Ms.M.Lavanya	National	Presented	21.09.2023
			Ms.S.Janani Sri	National	Presented	21.09.2023
			Ms.P.Sharmila Devi	National	Presented	21.09.2023
			Ms.V.M.Rubasri	National	Presented	21.09.2023
			Ms.P.Janani	National	Presented	21.09.2023
			Ms.S.Mehala	National	Presented	21.09.2023
			Mr.P.Dineshraj	National	Presented	21.09.2023
			Ms.R.Priyanka	National	Presented	05.10.2023 & 06.10.2023
		Faculty	Dr.V.Karthi	International	Presented	06.10.2023
			M.Jeevitha	International	Presented	06.10.2023
			T.Divya	International	Presented	06.10.2023
			S.Amudha	International	Presented	06.10.2023
			M.Pratheiksha	International	Presented	06.10.2023

INSTRUMENT DETAILS



Special Equipment Details

Name of the Department: Biochemistry

Equipment Name: Nucleic acid Extractor (Robotic)

Make: Genetix

Model: HTS-96

Price: 7.56 Lakhs

Specifications:

- Fully automated workflow from sample loading to elution, reducing manual intervention and minimizing the risk of contamination.
- Capable of processing multiple samples simultaneously, enhancing laboratory efficiency and productivity

Purpose: Extract DNA or RNA from biological samples.



Name of the Department: Biochemistry

Equipment Name: Real-Time Polymerase Chain Reaction (RT-PCR)

Make: Thermo Fisher Scientific

Model: Piko Real 96

Price: 10.50 Lakhs



Specifications:

- Capable of running PCR reactions in 96-well plates, enabling simultaneous processing of multiple samples.
- fluorescence-based detection system to monitor the amplification of DNA during PCR
- High sensitivity and specificity for detecting and quantifying nucleic acid targets

Purpose:

- Detect and quantify RNA molecules in a sample
- Examining the gene (mRNA) expressions
- Diagnosing diseases caused by RNA viruses, identifying genetic disorders related to gene expression changes, and detecting cancer biomarkers

Name of the Department: Biochemistry

Equipment Name: Rotary Evaporator

Make: LabRon

Model: LRE-A10

Price: Rs. 56,640/-



Specifications:

- Evaporating solvents at lower temperatures to preserve heat-sensitive samples, preventing thermal degradation
- Easy removal and recovery of the solvent.

Purpose:

- Removing solvents to concentrate a sample
- Preparing samples for analysis, purification, or isolation of compounds

DEPARTMENT OF MICROBIOLOGY

LIST OF INSTRUMENTS

ITEM NO1: UV-VISIBLE SPECTROPHOTOMETER

BRAND NAME: Biochrome S70



ITEMNOII :Dark field Microscope

BRAND NAME: Nikon



ITEMNOIII : Fermentor

BRAND NAME: Bio console Di1025



ITEM NO IV:Gel Document System :

BRAND NAME: Alpha Inotech



ITEMNO: V: BOD Incubator

BRAND NAME: Calton



ITEMNOVI: Inclined stereoscopicbinoocular microscope VS

BRAND NAME: Olympus



ITEMNOVI: Inclined stereoscopicbinoocular microscope KH - BI

BRAND NAME: Olympus



ITEMNO VII: Inclined stereoscopicbinoocular microscope A-73-73

BRAND NAME: Olympus



ITEMNO VIII: Autoclave 402 vertical 400x600 ms

BRAND NAME: Yorco



ITEMNO IX: NSW 143 Oven universal

BRAND NAME: NSW india



ITEMNOX: Incubator
BRAND NAME: NSW india



ITEMNO XII: Laminar airflow model CAV1200C Vertical
BRAND NAME: Cleanair



Name of the Department: Physics

Equipment Name: Muffle furnace

Make: P-Lab

Price: 34,810 /-



Specifications:

- Type of Furnace : Electrically Heated Muffle furnace
- Working Temp Range : 5° above ambient to 1200°C
- Maximum Working Temperature : 1200°C
- Temp Accuracy : +/- 3°C
- Temp. Uniformity : +/- 5°C throughout the chamber.
- Temp. Display : Digital LED 3 ½ digit , Resolution 1°C
- Chamber brick : High quality Mythan bricks.

Purpose:To heat materials to extremely high temperatures whilst isolating them from fuel and the byproducts of combustion from the heat source.

Name of the Department: Physics

Equipment Name: Analytical Balance

Make: Shimadzu make

Model Number: AUY220

Price: 50,000/-



Specifications:

- Capacity : 220g
- Calibration : External
- Pan Diameter Mm : 80 mm
- Minimum Display : 0.1 mg
- Body dimension : Approx W220 x D330 x H310 mm
- Weight : 7kg approx.

Purpose: To deliver high-precision measurements

Name of the Department: Visual Communication

Equipment Name: Lenova Desktop

Model:NEO50S11T0S00200

No.of.System: 5

Total Price: 275,000

Specifications:

- Intel Core I5
- 12th Gen Processor
- DDR4 Ram
- 1Tb Hard Disk
- M.2NvMe SSD – 256 Gb
- 23 Inch IPS Monitor

Purpose: Visual Editing and Designing



Name of the Department: Visual Communication

Equipment Name: Still Camera

Model: Canon EOS 1500D

No.of.Camera: 2

Total Price: 71,000

Specifications:

- Image sensor size: 22.3 x 14.9mm
- Lens: 18 – 55mm
- ISO speed: 100 - 3200
- Shutter Speed: 1/4 000s to 30s
- Pixel: 24.1MP

Purpose: Photography



Model: Canon EOS 800D

No.of.Camera: 2

Total Price: 1,05,800

Specifications:

- Pixel: 24.2MP
- Shutter Speed: 30-1/4000 sec
- ISO speed: 100 - 3200
- Lens: 18 – 55mm

Purpose: Photography



Model: Canon EOS 200D II

No.of Camera: 1

Total Price: 57,500

Specifications:

- Pixel: 24.1MP
- Shutter Speed: 1/4000 sec
- ISO speed: 100 - 25600
- Lens: 18 – 55mm

Purpose: Photography



Equipment Name: Video Camera

Model: Panasonic AGCX8ED

No.of Video Camera: 2

Total Price: 2,72,000

Specifications:

- Dimension(HWD): 6.26 X 5.08 X 10.1
- 3.5-inch LCD with Touch Operation
- 4:2:2 10-bit Internal Recording
- 4K High-Precision AF
- Wide 25mm and Optical 24x Zoom Lens

Purpose: Videography



Equipment Name: Gimbal

Model: DJI Ronin RSC2

No.of Item: 1

Total Price: 39,000

Specifications:

- Compatible with DSLR and Mirrorless Cameras
- Stabilizing even 100mm zoom lenses.

Purpose: Wide range of camera setups



Equipment Name: Video Mixer

Model:Black MagicAtem Mini Pro

No. of Item: 1

Total Price: 44,000

Specifications:

- Video Input Re-Sync - 4 HDMI inputs
- 1 HDMI output
- 2 x 3.5mm stereo mini jack

Purpose: For live streaming, software control, software updates and direct or network panel connection



Name of the Department: Visual Communication

Equipment Name: Transmitter

Model: Hollyland Wireless Transmitter

No. of Item: 1

Total Price: 37,000

Specifications:

- Transmits up to 1080p60 SDI or HDMI video
- 400' line-of-sight transmission to receiver, 300' to App
- Integrated shoe adapter with 1/4"-20 mounting thread
- Power via L-series battery, DC adapter
- HDMI and SDI inputs on transmitter and HDMI and SDI outputs on receiver

Purpose: Output video presentation from the PC to a conference room TV



Special Equipment Details (above Rs.25,000)

Name of the Department: Chemistry

Equipment Name: UV-Spectrophotometer

Make: Labman

Model:LMSPUV1000B

Price: 1.25 Lacks

Specifications:

- Optional System : Single - Beam, Grating
- Wavelength Range : 190 - 1000nm
- Bandwidth : 2nm
- Wavelength Accuracy : ± 1 nm
- Wavelength Repeatability: 0.5nm
- Wavelength Setting : Auto



Purpose: Qualitative and quantitative analysis

Note:

- Kindly follow the above-mentioned template with specification
- Whatever instruments available in your department with price and image from the starting period till now.