



Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD
Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category 1 University by UGC
Coimbatore - 641 043, Tamil Nadu, India

RESEARCH CONVENTION 2022-2023

Theme

Quality Research for a Sustainable Future



24.11.2022 to 26.11.2022

REPORT



**Avinashilingam Institute for Home Science and
Higher Education for Women Coimbatore - 641 043,
Tamil Nadu, India**

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Prologue

Research and innovation are undoubtedly one of the determining factors for the growth and development of a nation. Quality research and development from higher education institutions are the major contributors. The research workforce comprises of doctoral and post-doctoral fellows/candidates. The vision of “self-development and empowerment of women through modern, scientific and value-based education to enable them to lead a purposeful life filled with moral and spiritual values” percolates into the teaching, learning, research and consultancy at Avinashilingam Institute for Home Science and Higher Education for Women. The research hemisphere is articulated to reach the vision. The annual Research Convention is a flagship program of the Institute that chains the Institution’s mission to provide quality education of global standards based on current advances in science, technology and societal demands with emphasis on commitment to social progress, peace, harmony and national integration. Research convention 2022-2023, on “**Quality Research for a Sustainable Future**” is aimed to inculcate four important aspects of research-

- (a) Intellectual connection of the researcher to the research.
- (b) Unifications of science and spirituality for creativity and innovation.
- (c) Imbibing the culture of intellectual transfer from institution to industry and society at large
- (d) Meet the global requirements with due significance to the SDG4 goal

Objective of the Research Convention are to provide a Platform for Research Scholars to:

- (a) Explore and formulate their research interest
- (b) Elicit their research acumen
- (c) Escalate in their research work to meet quality and expected outcomes of research
- (d) Extend and Implement the results of their research work to the society.

Programme Schedule of the three days research convention

DAY 1

Welcome	Dr.P.Lalitha
Address	Professor of Chemistry & Director R&Di.c
Presidential	Prof.S.P.Thyagarajan
Address	Chancellor
Inaugural	Dr.P.K.S. Sarma,
Address	General Manager and Head, Technical
& Release of R&D Newsletter	Department, BIRAC (A Government of India Enterprise), DBT ,Govt. of India
Greetings	Dr.V.Bharathi Harishankar Vice Chancellor Dr.S. Kowsalya Registrar
Vote of Thanks	Dr. B. Loganayaki Assistant Professor
Technical Sessions	
10.45-11.30am	Chief Guest Plenary Lecture- BIRAC , R&D Programme for HEI's Dr.P.K.S.Sarma, General Manager and Head, Technical Department, Biotechnology Industry Research Assistance Council (A Government of India Enterprise), DBT, Govt. of India
11.30-12.10pm	“Quality Metrics in Research” Dr.M.G.Sethuraman, Professor of Chemistry The Gandhigram Rural Institute-Deemed University
12.10-1.00pm	“Patent and Innovations” Mr.Vivekanandan.K, Managing Director, Faraday Ozone Products Private Limited
2.00-5.00pm	Parallel Technical Sessions Presentation by Research Scholars in their respective domains

DAY 2

9.30-10.20 am	Orientation on Researgence Software Mr.Cedric Joseph Manuel Chief executive Officer, C Intelligence Pvt Ltd
	Writing a Protocol
10.20-11.05 am	Dr.Sudha Ramalingam,Professor Director Research & Innovation, Community Medicine, PSG Institute of Medical Sciences & Research
11.20-12.05 pm	A Roadmap from Submission to Publication of Scientific Papers Dr. K. Sowndhararajan, Assistant Professor Kongunadu Arts and Science College (Autonomous)
12.05-1.00 pm	Ethics in Publications and Research Dr.K. Mahalakshmi, Assistant Librarian, Avinashilingam Institute for Home Science And Higher Education for Women
2.00-5.00 pm	Parallel Technical Sessions Presentation by Research Scholars in their Respective Domains

DAY 3 Valedictory Function

Welcome Address	Dr.T.Shanmugavalli, Associate Professor
Presentation of Reports	School Coordinators
Home Science	Dr.V.Sarasvathy, Assistant Professor(SS)
Biosciences	Dr.N.Santhi, Assistant Professor(SS)
Physical and Computational Sciences	Dr.N.Valliammal, Assistant Professor(SG)
Arts and Humanities	Dr.A.Vijayarani, Associate Professor
Management	Dr.V.Vimala, Assistant Professor(SS)
Education	Mrs.R.Vaijyanthi, Assistant Professor(SG)
Engineering	Dr.K.Annaram, Professor
Feedback from Scholars	
Valedictory Address	Dr.S.Kowsalya,Registrar
Vote of Thanks	Dr.V.Vimala, Assistant Professor(SS)

Inauguration

Research Convention for the academic year 2022-23 was inaugurated on Thursday, 24th November 2022 organized by Avinashilingam Institute for Home Science and Higher Education, Coimbatore, India for the research scholars of various departments. There were about 450 research scholars and 28 resource persons representing various departments. The event commenced with an invocation to almighty.



The objectives of the research convention included the following:

1. The program aimed to address the global trends in research
2. To escalate the scholars towards research interest
3. To progressively gain holistic attainment of sustainable goals provided by WHO

Chancellor, Prof. DR. S.P. Thyagarajan, Avinashilingam Institute for Home Science and Higher Education, Coimbatore initiated the session with a key note. His note on the title, “Quality research for a sustainable future” highlighted the inevitable role of higher education towards a quality research. He further addressed the gathering that research supports innovation and aims to contribute to the economy of the country. This vision can be attained by quality research by research scholars.



Further, he addressed the significance of qualitative research that meets the standard regulations provided by the UGC and some of the regulations include significant research questions, appropriate methodology and reliable measurements. Further Chancellor stacked in detailed information on the significance of documentation, updating with technology and gaining knowledge from industrial experts. The vision of Chancellor of Avinashilingam Institute for Home Science and Higher Education for

Women, Coimbatore kindled the need for capacity building programs for research scholars.

Followed by Chancellor's key note, the resource person Dr.P.K.S. Sharma was introduced. To commemorate the Research Convention 2022, a newsletter titled "Newsletter R &D" was released by Resource Person- Dr. P.K.S. Sharma, General Manager and Technical Head, BIRAC, Government of India and first copy



received by Chancellor, Prof. Dr. S.P. Thyagarajan; Other dignitaries included Vice-Chancellor Dr. V. Bharathi Harishankar; Director R&D - Dr. Lalitha,; Dr. Kowsalya, Registrar ,Dr. B. Loganayaki Convener, and the team involved in the preparation of the first R & D Newsletter Dr.C A Kalpana and three research scholars.

Dr. V. Bharathi Harishankar, Vice-Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore delineated on distinguishing objectivity and subjectivity in a research field. According to her, when objectivity is challenging, subjectivity can be considered but subjectivity could lead to bias. Thus, when subjectivity is more than self-reliant, objectivity can be sorted. Talking about scientific temper, she iterated on how a researcher is positioned in the society and the necessity to overcome bias through ethical research.



Dr. Kowsalya, Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore welcomed and thanked the newsletter.



Dr. B. Loganayaki, Convenor at the Research Convention 2022 thanked the gathering.

The introductory session ignited the scholars research interest and enabled them to stay motivated to attend further technical sessions. The speakers kindled the spark in the minds of scholars towards sustainable goals in providing a qualitative research.

Technical Sessions

Technical Session I

Dr. P.K.S Sharma initiated the technical session on an introduction to how a bright idea gets converted to a product of commercialization at BIRAC (Biotechnology Industry Research Assistance). Dr. P.K.S. Sharma is the General Manager and Technical Head at BIRAC, a Government of India Enterprise. BIRAC is a central agency which aims to empower, enable and accelerate start-ups and SMEs for their creation of affordable products. BIRAC works as an ecosystem for start-up companies by catering towards funding, capacity building, providing incubation space, mentorship, field testing, validation, policy initiatives, and partnership and mission programs. At BIRAC, a product gets its initiation through the following process - ideation, field testing, validation and manufacturing or commercialization.



The objectives behind the session includes

1. To encourage an idea through funding with seed money
2. To validate the idea through field testing
3. To enable product launching

With the objectives intact, Dr. P.K.S Sharma shared the various schemes under BIRAC that helps in converting an idea into product. Some of the schemes include - SITARE and E-YUVA (which supports innovative student projects at PG level and Doctoral level), Social Innovation Immersion Program (SIIP) (which helps in identifying the needs

and gaps in the community that helps in binding the idea and the product launch), Biotechnology Ignition Grant (which supports the ideation and navigates with proof for the concept of ideas). Other schemes included Bio-Nest, Product Commercialization Program Fund, and Promoting Academic Research Conversion to Enterprise, Support under SEED (Sustainable Entrepreneurship and Enterprise Development) fund and Early Transaction Accelerator.

All these schemes aimed at empowering Start-up companies through funding and assist with commercially viable products, nurture the company towards large scale commercialization and subsequent validation with an industrial partner.

Outcome of the session

1. Although the session was not addressed for basic research, it certainly kindled the curious minds to know how an idea can be converted to a tangible product and the process of funding that helps a seed grow to a fruitful tree
2. The session gave practical answers to the process of attaining funds and the various levels through which a start-up company can journey through towards product delivery.
3. The event also addressed the importance of partnership and collaboration in the journey towards commercialization.

Technical Session II

Technical session II was headed by Dr. M.G. Sethuraman, Prof. of Chemistry, Gandhigram Rural Institute, Tamil Nadu. He presented the quality metrics in research. His session introduced the need for research, meaning of research and the scope of research to meet global trends.



The objectives of the session are as follows:

1. To highlight on the significance of research
2. To enumerate on the skills required for research

3. To present the importance of parameters used in research

Dr. M.G. Sethuraman felicitated on the following topics to necessitate the research and publication.

1. The motivation to present and publish research papers

2. Introduction to the research parameters like impact factor, Eigen factor, H-index, CITE score etc

3. Caution and carefulness towards predatory journals

4. Awareness and vigilance towards retracted papers

5. The regulations to follow for smooth research conduct.

He encouraged the research scholars to participate in publishing research papers. He shared that India possess 8th rank at the global level in scientific publication and his speech ignited the scholars to publish more in scientific journals.



For choosing scientific journals, he emphasized on the parameters to outlook like Impact factor, Eigen factor, H-index, CITE score etc. These parameters provide a niche for young scholars to gain clarity on the quality of the journal. With a publication on a good quality journal, the research reaches scientific community as well as the society to bring in a change.

He also cautioned about the predatory journals. Predatory journals are those that publish a scholar's paper illegitimately and it is considered as an act of fraudulent. His presentation included tips to identify predatory journal and one should be careful in not becoming a victim to it.

Retracted papers are those which contain contents gathered through scientific misconduct. Scientific misconduct includes actions like duplicating published contents without authorization, unethical means of research conduct like data replicating, data falsification, data manipulation etc.

A smooth research conduct should be original research conducted by the researcher which includes proper means of data collection, data analysis, writing with no plagiarism and publishing without duplication.

The above steps enable a research scholar to own a good, quality manuscript to get published in a journal with good parameters. Such a quality research serves the scientific community as well as the society.

The outcome of the session is as follows:

1. The session radiated positivity to research scholars and they felt motivated.
2. Introduction to research conduct, publication ethics and awareness on predatory journal elicited the passion to publish quality paper.
3. The responsibility towards a fair publication was iterated through the session.

Technical Session III

Mr. Vivekanandhan K, MD Faraday Ozone products, Coimbatore was the resource person for technical session III. He gave his anecdotal experience in upbringing his company from scratch to a mighty one as it stands today. The session gave inspiration in life lessons like hard work, patience, determination and perseverance. He also gave his experience in building his company through proper channel of patents and innovation.



The **objectives of the session** are as follows:

1. To highlight on the responsibility involved in the growth of a person that reflects the growth of the company.
2. To explain the significance of attaining patents

3. To present the significance of living a green life with eco-friendly products.

A brief introduction about Faraday Ozone Company and its initiation in the year 1996 was shared. The session highlighted on the various products designed and patented by Faraday Ozone Company. The company started from a scratch with a vision to build an eco-friendly product that helps the



society. This vision progressed slowly with one idea getting patented adding to the stepping stone of the birth of a company. The process of patenting a product goes through vigorous steps but the spark lies in an innovative idea. The company holds many laurels with many awards but the resource person proudly announced the secret behind the success of his company as the less amount of water consumed by the products produced by Faraday Ozone. This stands as the unique idea behind his many innovations.

The outcome of the session is as follows:

1. The research scholars felt motivated at the end of the session.
2. The need to patent and copyright the innovative idea was emphasized.
3. The scholars felt an urge to comply towards regulations for a cause like being eco-friendly.

In general, the morning session of day 1 from 9.00 am to 1.00 pm encouraged the research scholars to progress gradually towards:

1. Responsible Paper publication
2. Proper research conduct
3. Validation of innovative ideas
4. Ethical research methods
5. Disciplined lifestyle

The morning session gave room for parallel sessions and research scholars were allotted to their respective departments.

Technical Session IV was on the second day Research Convention 2022 was handled by Mr.CedricJoseph Chief executive Officer, C Intelligence Pvt Ltd handled on Orientation on Researgence Software Manuel. He explained on online platform to track publications, who will get the benefit from the publication, number of publication and no. of cited, 30 % of weightage in the qualitative research, scopus- 50 % weightage, web of science- 50 % weightage, publication, patent and product, source normalized impact per paper



Technical session V was taken by SudhaRamalingam on the topic “**Writing a protocol**”. She explained about protocol writing and development, content of protocol and how to write them, protocol v/s proposal and how to write them, uses of protocol, time and budget, plan and review, contents of protocol, steps to producing a literature review.



Technical session VI were handled by Dr.K.Sowndhararanjan on a topic ‘A road map from submission to publication of scientific papers’. He explained about the manuscript, documents to be submitted for publication, scientific paper, and publication.



Brain storming session by experts

Parallel sessions were held in the respective departments, where Ph.D scholars presented their proposed research plans and the progress till date and procedures were also presented. Subject experts, heads of the departments, Ph.D scholars and the respective guides/supervisors were present in the sessions. The sessions were conducted during the afternoon of day 1, forenoon and afternoon session of day 2. The sessions were held on physical mode. The details of the session by terms of schools are as follows.

School of Home Science

School of Home Science comprises of seven departments namely Department of Resource Management, Food Service Management and Dietetics, Food Science and Nutrition, Department of Textiles and Clothing, Human Development, Extension Education and Communication Management and department of Women's Studies. The department wise reports are as follows

Department of Resource Management

Dr. Mamatha B from Smt.VHD Central Institute of Home Science, Bengaluru was very appreciative of the research areas taken by 13 scholars at different stages of their period of study from 2019 to 2021. Thrust areas of research presented for this convention were Ergonomics, Residential space-saving, waste management, Traditional crafts and techniques through sustainable materials and Lifestyle of Tribal families in Andaman & Nicobar Islands. Suggestions were given to continue their research in a different perspective, narrow down the area of research, sample size, and have concise objectives.

Department of Food Service Management and Dietetics

The research convention for the research scholars was held on the 24th, 25th and 26th of November, 2022, for all the Departments in Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore. The forenoon technical sessions commenced at 9:30 am in the Thirchitumbalam Auditorium and went on till the afternoon 1:30 pm. By 2:15 pm parallel sessions were organized for all the departments.

For the Department of Food Service Management and Dietetics, the parallel presentation session was at room number 258, second floor of the Home Science block. The subject expert for this session was Dr. Sangeeta Pandey, Associate Professor and Head, Department of Nutrition & Food Service Management and Dietetics from Mount Carmel College, Bangalore. A total of eight scholars with 5 full time and 3 part time scholars presented their research work and suggestions were offered to each of the research proposed in the areas of Community Nutrition, Product Development, Natural Food Colors, Indigenous foods, Traditional Practices, Fats and oils, Planetary Health Diets, Occupational Health Hazards and Cancer. Research Scholars were also briefed on writing and reframing of Title, Objectives and methodology. Suggestions were given for the researchers to progress the research.

The general suggestions given by the resource person were:

- The study must be feasible and time bound.
- The research work to be done should be in accordance with the standardized protocols.
- The study must be backed up with suitable literature reviews.
- The title has to be precise, comprising all the entities included in the research.
- Every criteria to be followed in the research must be included in the objectives.
- The study plan must be organized ahead with specific timeline to serve as a guide throughout the research work.
- Appropriate methodology has to be framed according to the objectives.
- The research has to be carried out using appropriate tools and these are to be specified under each phase in the methodology.
- Redundant findings/phases must not be included as a part of the study.
- The study must include customized diets according to the topic.
- For each scholar individual comments were given for the betterment of the study.

Department of Food Science and Nutrition

In the Department of Food Science and Nutrition, 28 research scholar including 19 fulltime scholar, 9 part-time scholar from the Department and 2 part-time scholar from the Department of Food Processing and Preservation Technology participated and presented their research work in the Parallel Technical Session held in the Department. The Resource Person for the Technical session is Dr.ShekharaNaik., Professor and Head, Dept. of Food Science and Nutrition, University of Mysore.



The resource person gave his valuable inputs and suggestion on the presentation done by every scholar. Some of his suggestions include: a) to have a comparative study for those who are working with one variable, eg. to include both tribal and non-tribal instead of only tribal populations, both rural and urban, between different income groups. b) For scholars working on community nutrition and prevalence study, to have their initial sample size to a thousand or more. c) to choose and include an easily available and nutri dense food for incorporations in products meant for supplementation as well as popularization, d) to look into the feasibility of the study within the time frame, e) suggested to streamlined the research title. Overall, the resource person commented that the students and supervisors have selected appropriate topic/title and plan of research study is carried out in a very innovative way.

Department of Textiles and Clothing

The Parallel sessions of research convention programme 2022 for the Ph.D scholars of the Department of Textiles and Clothing was held in two sessions with 7 Ph.D scholars per session. Dr.Shanthi Radhakrishnan, Dean, Academic Co-ordinator and Research Advisor, Department of Costume and Designing , PSGR Krishnammal college for Women, Coimbatore.

Overall comments given by the Expert:

- All the topics were good and suggested to be more specific.
- Scholars should find the research gap and express it effectively.
- Stressed on the usage of appropriate statistical tools for optimization studies.

- Insisted on patenting and commercializing the developed products.
- Advised to focus on Apparel sector of Textiles.

The comments and the suggestions of the expert pertaining to the topics were concise and constructive. Scholars have gained knowledge on various standard tests and the importance of statistics.

Department of Human Development

Dr. S. Madhumathy, Associate Professor and Head, Department of Early Childhood Education and Administration at Smt.VHD Central Institute of Home Science, Bangalore was invited as a subject expert.

Totally 12 Scholars in different stages presented in the afternoon session 2 to 4:30 pm on 24th and 25th of November. The topics covered are Readiness of preschoolers, Artificial Intelligence in Early Childhood Education, Identity development of Youth, Psychological Hardiness, Transactional Analysis, Early Childhood Education, Behaviour Problems of school children, Obesity and sleep deprivation among women, Sleep deprivation and social media addiction among youth, Social Media, Psychological wellbeing, Sleep deprivation youth, Tribal Adolescents, Nutritional Status, Self Esteem & Life Skills, Self Regulation, Early Childhood, Quality of life and resilience.

The subject expert appreciated for the relevance of the topics chosen, for presenting methodology clearly and appropriate usage of tools, good theoretical foundation. She advised the candidates to conduct intervention program properly so that it should be effective and benefit of the target group.



Department of Extension Education and Communication Management

Dr. M.Nirmala Devi Department of Agriculture Extension and Rural Sociology, TNAU Coimbatore was subject expert. The department presentation started at 1.30 pm. The total numbers of scholars in Home Science Extension Education were seven (six full time research scholars and one part time research scholar). The domains of the research are ICT, Women and Health, Agriculture Development Water Resource Management and Women Empowerment. The comments given were to concentrate more on objectives methodology and analysis can be taken for the thesis. Regarding the selection of samples suggestions were given. Madam also appreciated the scholars for their work. All the seven research scholars joined through offline. The overall comments given were Excellent by the subject expert. Subject Experts was interested of the varied topics selected for the thesis. The presentation was over by 5:00 pm (for both the day).

Department of Women's Studies

Dr. Zenetta Rosaline, Professor and Director, Department of Women's Studies

The department presentation started at 2.00 pm. The subject expert was Dr. Zenetta Rosaline, Professor and Director, Department of Women's Studies, Bharathiar University, Coimbatore. The total numbers of scholars in Women's Studies were 13. All scholars have completed their course work. Two scholars have completed their 1st DC and 8 scholars have completed their 2nd DC. We have 12 Part time and one full time scholar. The comments given were to concentrate more on methodology; women related current issues can be taken for the thesis. Regarding the selection of samples suggestions were given. Madam also appreciated a few scholars for their work.



SCHOOL OF PHYSICAL SCIENCES AND COMPUTATIONAL SCIENCES

The report analysis details for the Technical Sessions organized towards the Research Convention for the Research Scholars on 24.11.2022 AN and 25.11.2022 AN under the roof of the School of Physical Sciences and Computational Sciences. The Department of Mathematics, Physics, Chemistry, Computer Science, and Information Technology is functioning under the School of Physical Sciences and Computational Sciences. The School is headed by Dr.G.Padmavathi, Dean and Dr.Subashini.K.Sripathi, Deputy Dean.

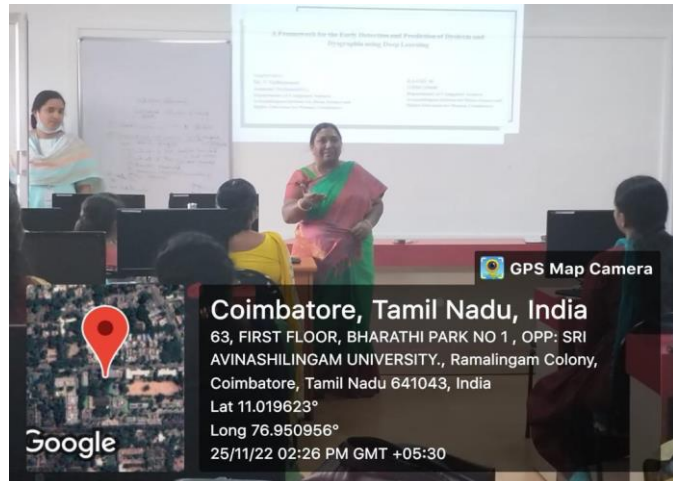
A total of 79 scholars participated from the School of Physical Sciences and Computational Sciences. The team of members worked under PSCS is Dr.N.Valliammal, Dr.P.Loganayaki, Ms.V.Bhuvanewari, Teaching Assistant and Research Fellow and Dr.A.Mathina, Assistant Professor, Department of Chemistry. The commencement of the event had a propitious start with the ignition of prayer. The document highlights the presentations of the scholars in the Department of Mathematics. A total of 23 scholars actively participated in the platform and presented

their findings and protocols elegantly in front of the Resource Person Dr. L. Mary Louis, Professor, Department of Mathematics, Kumaraguru College of Liberal Arts and Science, Coimbatore. All the scholars noted the suggestions and views directed by the Expert to be considered in future work. The presentations covered various domains which include General topology, Fuzzy topology, Cubic sets, Domination in Graph Theory and Queuing systems. The resource person Dr. L. Mary Louis suggested that the scholars have to collect and identify individually a minimum of five journals and share the same to publish articles suitable to their topic. Expert guidance was to focus and work on real-time application problems rather than producing theoretical definitions, results, theorems, properties, and relations. She also suggested they get ethical clearance while dealing with problems of cancer and heart problems in humans or collecting data from hospitals.



DEPARTMENT OF COMPUTER SCIENCE

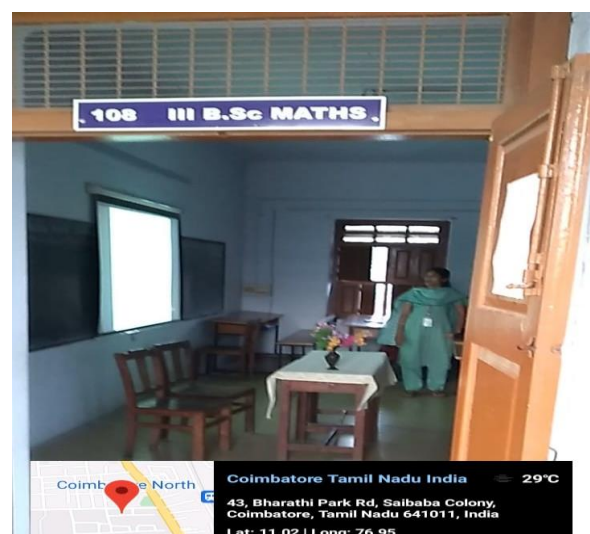
A total of 38 (FT-8 and PT-30) scholars belonging to the Department of Computer Science and Department of Information Technology energetically participated in the research forum. Dr. R. Manimegalai, Professor & HOD, Department of Computer Science and Engineering, PSG



Institute of Technology and Applied Research, Coimbatore was the Resource Person. The research work was related to various domains that include Cyber Security, Network Security, Artificial Intelligence, Data Mining, Web Mining, Data Analytics, Data Science, the Internet of Things, and Image Processing. The expert directed many suggestions connected to the aspects which were initiated from fixing up the protocols and identifying Quality journals for the research articles to be published in reputed journals. On both the days, the technical sessions were executed effectively and the scholars reverted back with the feedback that the sessions were highly useful. In future, the team of listeners is expected to imply new ideas and innovations with the design and development of quality research work which will be really supportive for the Nation and society. We also add upon happily that the entire group of scholars utilized the platform well and exhibited their best.

DEPARTMENT OF MATHEMATICS

The presentations of the scholars in the Department of Mathematics. A total of 23 scholars actively participated in the platform and presented their findings and protocols elegantly in front of the Resource Person Dr. L. Mary Louis, Professor, Department of Mathematics, Kumaraguru College of Liberal Arts and Science, Coimbatore. All the scholars noted the suggestions and views directed by the Expert to



be considered in future work. The presentations covered various domains which include General topology, Fuzzy topology, Cubic sets, Domination in Graph Theory and Queuing systems.

DEPARTMENT OF CHEMISTRY AND PHYSICS

The Research Convention on **Quality Research for a Sustainable Future** was organized by Avinashilingam Institute for Home Science and Higher Education for Women from 24.11.2022 to 26.11.2022. The Scholars attended the Technical session on 24.11.2022 and 25.11.2022 Fore Noon. Parallel technical sessions were conducted by the Department of Physics and Chemistry on 24.11.2022 and 25.11.2022 afternoon in the Gallery. Resource Person Dr. R. Nandhakumar, Professor, Department of Applied



Chemistry, School of Sciences, Karunya Institute of Technology, Coimbatore, directed and guided both Physics and Chemistry scholars for further enhancements. 11 Scholars from Chemistry and 3 Scholars from Physics presented and reported in their area of work. The session started at 2 pm and it was presided by Dr. Shubashini K.Sripathi, Deputy Dean, School of Physical sciences and Computational Sciences.

On 24.11.2022, Scholars of Physics presented their research work related to Nuclear Physics, Thin Films and Silane-Polymer based Surface Coatings. Four Chemistry Scholars presented their work related to Phyto chemistry, Electrochemistry, and organic and inorganic chemistry. On 24.11.2022 AN, the remaining seven Scholars completed their presentation and Dr.P.Lalitha, Director (i/c), Research and Development visited the Gallery at 3.30 pm.

The Resource person gave his comment and valuable suggestion to the all fourteen scholars (Physics 3&chemistry 11) to improve their research works both in qualitative and quantitative manner. He also emphasized their publication in the reputed journal. It was an interactive session and Scholars also got clarified their doubts. To conclude the parallel session on both the days were informative and it was very useful for the Scholars.

SCHOOL OF BIOSCIENCES

Subject Expert for Biochemistry and Biotechnology: Dr. Rani, Professor, Department of Biotechnology, PSG Institute of Technology, Coimbatore. Total 6 scholars from bio chemistry, 7 from biotechnology were participated in the research convention.



Subject Expert for Botany and Zoology: Dr. N Geetha, Department of Botany, Bharathiar University, Coimbatore. Total 9 from botany, 9 from zoology were participated in the research convention.

As part of our research progress, we conducted the research convention on November 24th to 26th 2022. The program started with technical sessions in the morning and the presentation of the proposed and ongoing research works were presented by the scholars in the afternoon session between 2 pm to 5 pm in their respective departments on 24th and 25th November 2022. A total of 31 scholars presented their research work. Some modifications and suggestions in their protocol were given by the experts. The experts discussed about the wring of proposal for funding as well as the importance of product development as outcome of the research work.



School of Arts and Social sciences

English Department

Dr.R. Chandrasekar, Associate Professor and Head, Department of English, Sri Ramakrishna Mission Vidhyalaya College of Arts and Social Science, Coimbatore was invited as a subject expert. Totally 30 Scholars in different stages presented in the afternoon session 2 to 5.30pm on 24th and 25thof November. The topics covered are Indian Writing in English; Afro-American Literature; Post-colonial Literature; Post-

Modern Literature; Contemporary Literature; Eco Literature and Nigerian Literature. The subject expert suggested focusing on contemporary relevance of the topics chosen. He advised the candidates to include interviews, case studies and action plans and most importantly keeping in mind the benefits of the target audience. He said being Arts students the aim of the research should not be **Arts for Arts sake; it should be for the benefit of the society.**

French Department

Dr. N.C. Mirakamal, Associate Professor & Head in Charge, University of Madras, Chennai, served as the resource person on 24th from 2 to 5pm. The topics covered by the research Scholars are Phonetics and Implementation of Tonal Verb in French language learning; Canadian - French Culture and Diaspora. He advised the candidates to take up research on FLE - French as a Foreign Language, Translation from French to Regional Indian Language and to acquire the knowledge about Governor General Prize winning works.

Tamil Department

Dr. K Murugesan, Kongunadu Arts and Science College, Coimbatore served as a resource person for two days. There are **17 research scholars** participated and presented in the domain areas - Grammar; Sangallakiyam; Arallakiyam; Kappiyallakiyam and Ikkalallakiyam on 24th and 25th 2:00 - 5:00 pm. The subject expert suggested that the scholars should choose the most recent writers rather than popular writers. As the number of women researchers are increasing he said men are afraid quoting Malala's quote, "Extremist have shown what frightens them most: A girl with a book".

Hindi Department

Dr.S.V.S.S. NarayanaRaju, Professor, Department of Hindi, Central University of Tamil Nadu was invited as subject expert. The department session was held on 24/11/2022 from 2.00-4.00pm. Totally **7 scholars** presented their research work. The topics covered were Women Identity in the Present Scenario; Women Discourse; Social Values and Women and Film. Subject expert suggested that the research scholars should focus on the specific objectives and remedies for the social problems.

Music Department

Dr. Sheela H K Sridhar, Professor and HOD of the Department of Dance. University College of Fine Arts, Manasagangotri, Mysore, acted as the resource person. Totally **5 Scholars** presented the research report. The topics presented are Dasya Bhakthi compositions by Thiyagaraja and Purandara Dasar; Influence of Sanskrit in the kiritis of Papanasam Sivan; Music recording of Modern musicians, Varnams of Mysore Vasudevachar and Muthayya Bhagavathar and Comparative study of NarayanaTheerthaTarangams and Annamacharya Sangeerthanams. He suggested to focus on stage performance and to take up Music and Dance Therapy to combat various types of stress.

Psychology Department

Dr. N. Annalakshmi , Professor, Bharathiar University, Coimbatore. Totally **11 Scholars** presented on the Topics: Game Addiction Therapy; Efficacy of Expressive Art Therapy; Brain Gym Exercises for Disabled Students; Insomnia; Emotional Regulation; Enhancing Spiritual Well Being; Positive Therapy and Emotional Intelligence. The subject expert appreciated the selection of topics and suggested to focus on target audience, first for the local and to the national audience. Since perseverance is needed to carry out the research, she encouraged the Scholars to cultivate perseverance.

Economics Department

Dr. S. Boopathi, Professor and Head, Department of Economics, Bharathiar University, Coimbatore was invited as subject expert. Totally **6 Scholars** presented the research report on 25th from 2:00 - 5:00 pm. The subject expert appreciated the choice of the topics, choice of the statistical tools and advised the research candidates to adopt suitable sampling designs. He urged the research candidates to work for the development of the marginalized and to improve the economic condition of down trodden in the post corona period.

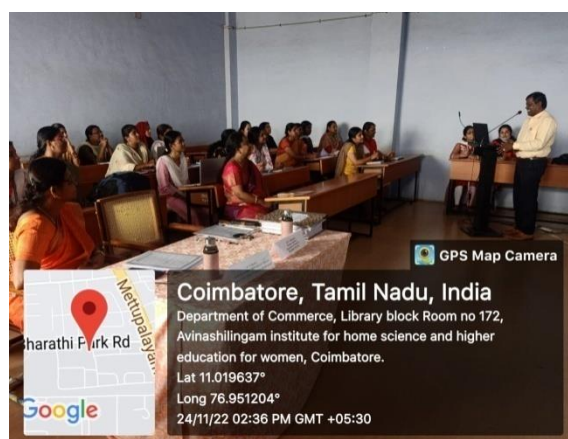
School of Commerce and Management

The School of Commerce and Management consist of three major departments, namely Department of Commerce, Department of Business Administration and Department of Tourism Management is functioning actively. The School is headed by Dr. P.Chitramani,

Professor and Dean, School of Commerce and Management, and it consists of one Deputy Dean, Dr.P.Santhi, Professor and Head, Department of Commerce and School of Commerce and Management.

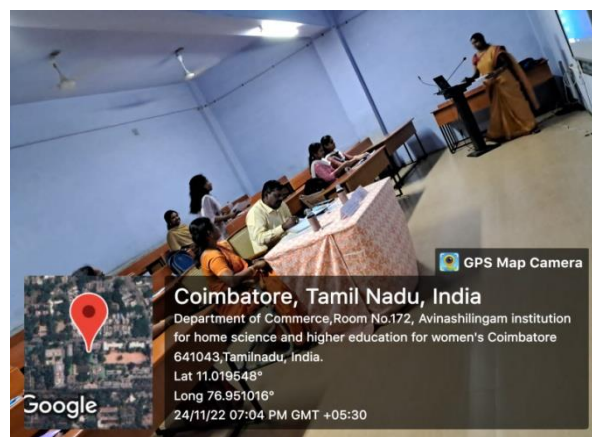
During the Annual Research Convention - 2022, the School of Commerce and Management, the total number of the research scholars participated is 47, Out of which 24 Research Scholars from Department of Commerce, 18 Scholars from Department of Business Administration and 05 from Department of Tourism Management. The Technical Session was chaired by three eminent Resource Person.

Dr. P. Chellasamy, Professor and Dean Department of Commerce, Bharathiar University, Coimbatore Chaired the Parallel Technical Session at Room No. - 172, IV -Floor Library Block Afternoon from 2.00 pm to 5.00 pm. The Session was really a thought provoking and 24 Research Scholars made their Research presentation in the field of Commerce.



On Day - II, 25.11.2022 11 Scholar made the Research Presentation

Dr. S.Jaya Bharathi, Professor, Department of Management Studies, Coimbatore Institute of Engineering and Technology, Narasipuram, Coimbatore chaired the Parallel Technical Session at II - Floor, I - MBA Class Room No. 203, Administrative Block, on 24.11.2022 Afternoon from 2.00 pm to 5.00 pm where 12 Research works were presented by the Research scholars from Both Department of Business Administration and the Department of Tourism Management.



Dr. M.V.Subha, Associate, Professor Department of Management Studies, Anna University, Regional Campus, Navavur, Coimbatore chaired the Parallel Technical



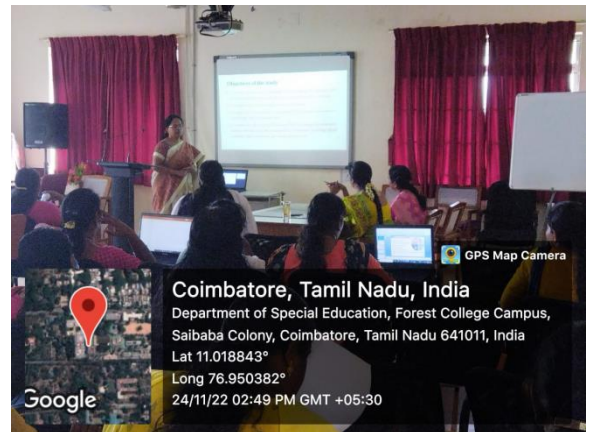
Session at II - Floor, MBA Conference Hall, Administrative Block, where 11 Research works were presented by the Research scholars of Both Department of Business Administration and the Department of Tourism Management.

All the Parallel Technical Session was successfully conducted and it was highly beneficial to all the Research Scholars of School of Commerce and Management.

On both the days, the technical sessions were executed effectively and the scholars reverted back with the feedback that the sessions were highly useful. In future, the team of listeners is expected to imply new ideas and innovations with the design and development of quality research work which will be really supportive for the Nation and society.

SCHOOL OF EDUCATION AND SPECIAL EDUCATION

Dr.Thanga Rajathi, Professor, Department of Education, Bharathiar University Coimbatore chaired the parallel session.10 scholars from education and 8 scholars from Special Education presented their research work. During the session the subject expert suggested the scholars to concentrate on developing a board game instead of finding the Impact and also to select any one major objective for the study and select the standard of students. She also insisted to focus more on the strategies for experiential learning.



Department of physical education

The Subject Expert Dr. M. RAJKUMAR, Professor, Department of Physical Education ,Bharathiar University Coimbatore, chaired the session.15 scholars presented their research work .The expert suggested the scholars to concentrate on Methodology, selection of subject Pre test and post test, Diet modality and explained about the importance of control group and sampling techniques. The overall performance was good.



SCHOOL OF ENGINEERING

Department of Biomedical Instrumentation Engineering

Faculty Incharge: Mrs.ShijithaR, AssistantProfessor

The Department of Biomedical Instrumentation Engineering session was conducted on 24.11.2022 2p.m. The Subject expert was **Dr.V.R.VijayKumar**, Associate Professor & Head, Department of ECE, Anna University Regional Campus, Coimbatore. The three Research Scholars and the Supervisors were participated the programme. Research Scholar Brind S (19PHEPB001) presented the topic on “Identification of Uterine Cancer using MRI Images”. Research Scholar Gowri S (19PHEPB002) presented the topic on “Speaker Recognition”. The third Scholar Nila Nandhini M (21PHEPB004) presented on “Investigation on Sensitizers for Effective Daylight Applications. All papers related to Medical Processing. The subject expert appreciated the candidates for their presentation and gave valuable suggestions.



Department of Computer Science and Engineering

Faculty Incharge: Dr.Rajakumari, Assistant Professor

Department session was held on 24.11.2022 afternoon. The subject expert was **Dr.Anuradha**, Associate Professor, Department of CSE, Sri Ramakrishna Engineering College, Coimbatore. Four Research scholars attended the session and the new Supervisors attended the session through offline mode. All the scholars done their presentation pertaining to their area of research. Two scholars presented their papers on the topic “Computer Vision for Automatic Anomaly Detection in Video Surveillance using Deep Learning” and “Effective analysis of Cauliflower Plant Disease Prediction using IoT and Deep Learning Techniques”. The third Scholar presented her paper in the

domain of Deep Learning related to healthcare on “Data Analytics in Healthcare Environment using Deep Learning”. Fourth scholar presented her paper in the domain of Data mining. The subject expert provided the feedback as all the Scholars done the presentation well and has good progression in research work. She highly appreciated the chosen research topics of the scholars.



Department of Food Processing and Preservation Technology

Staff Incharge: Dr.S.Ramani

The presentation of the research scholars of the Department of Food Processing and Preservation Technology was held along with the scholars of the Department of Food Science and Nutrition Department on 24.11.2022 in the afternoon session. The subject expert was Dr.Shekhara Nayak Professor and Head, Yuvaraj College, Mysore University, Mysore. Research Scholars and the Supervisors, were present during the session. Two scholars presented their research work related to quality inspection of Meat using different sensors and development of Smart packaging material with spoilage indicator for foods. The two of them have done scholarly references pertaining to their area of research. The subject expert gave suggestions to reframe the title and also inclusion various food materials in the research work. The Expert appreciated their selection of topics.



Department of Electronics and Communication Engineering

Staff In-charge: Dr.K.Annaram,Professor,ECE

The Department of Electronics and Communication Engineering organized a technical session in the Academic Council Hall on 24.11.2022 in the afternoon session. Totally 9 research scholars registered which includes 1 full time and 8 part time candidate. All the registered research scholars attended this research convention 2022. Dr.V.R.VijayaKumar, Associate Professor & Head, Anna University regional campus, Coimbatore reviewed all scholars' research work as an external subject expert. These scholars are doing their research in the major domains namely digital image processing, visual light communication, IoT, deep learning and wireless sensor networks. It was observed that 6 research scholars successfully completed 2 research conventions and other three of them completed the 1st research convention meeting. Six candidates completed their 1st DC meeting and the remaining scholars have to complete their 1st DC meeting. One among the 9 research scholars has published one research article in a conference. The subject expert gave suggestions for the progress of research work of each scholar after reviewing their presentation. He motivated the scholars to speed up the research work and to publish in the reputed journals.



Department of Civil Engineering

Staff Incharge: Dr.N.Srimathi,Asso.Prof/Civil

The Department presentation session was held on 25.11.2022 afternoon as per the schedule. The subject expert invited was Dr. G.L. Sathyamoorthy, Professor, Department of Civil Engineering, Kumaraguru College of Technology, Coimbatore. During the session the presentation was done by Mrs. J. Karpagam (21PHEVF001), Full Time Scholar. She presented her research work on the tentative title **Phyto remediation of Contaminated Surface Water with Nano composite Material**. The expert appreciated her work and gave the following comments and suggestions for the improvement.



1. Finding out the optimum ratio of synthesized parthenium dosage for the maximum adsorption capacity.
2. Collaboration with the industries or patent companies to form a nano framework with appropriate synthesized natural extracts and implementing the same for industrial pollution source reduction rather than lake bodies.

Valedictory function

Valedictory for the three day research convention was held on the forenoon 26.11.2022 the session started with a prayer. School-wise report of the parallel sessions of the research convention 2022 was presented by the school coordinators.



Reflections

The three days research convention has given insights into various aspects of research to reflect on "Quality research for a sustainable future". Following are some of the thoughts on which we need to ponder upon. The research problems should be selected where it gives scope for social and behavioral changes. The area of interests elected needs to be multidisciplinary and interdisciplinary to be more effective. Define the statement of problem and its significance clearly and understand it. Bring out a concept note of the identified research problem. Come up with a precise conceptual framework. Formulate goals and objectives of the research. The research should involve asking participants about their experiences of things that happen in their lives. It enables researchers to obtain insights into what it feels like to be another person and to understand the world as another experiences it. Design methods to achieve the formulated objectives with specificity and measurability. Bring out the novelty of the planned research work evidently. The overall quality and success of a research study are largely determined by the research methodology it uses. Choosing an appropriate research methodology helps ensure that researchers can collect relevant data and use the right data analysis methods. Work on the materials and methods of the research especially with research tools so that the specific needs of the selected population and samples are met. Plan a timeline to execute the work by keeping up the pace. Consultation and collaboration with experts will add on to generate new and innovative ideas. To make the research work or proposal more worthwhile, identify a funding agency to fund the research. Upgrade the domain knowledge by referring to research articles and papers published. It is important to keep updated about the recent developments in the specific field of research at national level and globally. Broadcasting or publicizing the research work, innovations and findings will surely help in reaching global standards. Hence disseminating the findings effectively through publications in high indexed peer reviewed journals and a book is important. Phase wise publications will add up to the effectiveness, frequent articles discussing the research problem in electronic and print media will boost up the work being done. At the same time marketing the research outcomes, patenting and getting copy rights promotes reaching global standards.

Concluding session

In the concluding session, Dr. S. Kowsalya, Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore encouraged the research scholars to focus on **Multi Disciplinary** and **quality research**. She insisted on publication like publishing in web of science and Scopus journals she further added the importance of Systematic data collection and systematic protocol. Right focus is necessary to be a successful Researcher. She also appreciated the research scholars for attending the research convention and instructed to follow the inputs gained during the research convention. She thanked the Resource Persons whodeliveredthespeciallecturesintheResearchConvention2022.Heurgedtheresearc hscholarstoimbibe the research advises offered by the subject experts. Convener of Research Convention 2022. Dr. V Vimala, Assistant Professor (SS), Department of Commerce delivered the vote of thanks.



Feedback

Evaluating any event is important to assess the cause and effect and this influences the development. Feedback from the participants was taken to assess the effectiveness of the convention. Totally 11 research scholars had given the feedback for the research convention 2022, knowledge about journals and publications included parameters on UGC CARE journals, Scopus or Web of Science, Hindex, lindex, citation and plagiarism. The feedback data showed that the programme was very effective. Overall the participants have shared that they had good experiences and sessions were eye opening. The programme created a road map from research to publication ethics, objectives, patenting and to help commercialize work. The participants shared that the sessions were so interesting that they were fully attentive throughout the session. The programme to be outstanding and excellent with regard to the content, relevance, communication, meeting space, visuals and a coustics. Participant shared like research is what our ancestors know but it is about identifying and redefining the work. They expressed that they had gained a plenty of information about BIRRAC was very useful the Faraday ozone session were very effective. Participants have also indicated that they would be interested in attending a follow up and more advanced research convention in future.



List of participants

School of Home Science

Name of the Department	No. of scholars
Resource Management	13
Food Science and Nutrition	28
Food Service Management and Dietetics	08
Textiles and Clothing	07
Human Development	12
Home science Extension Education	07
Women Studies	13
Total	88

School of Physical Sciences and Computational Sciences

Name of the Department	No. of scholars
Mathematics	23
Physics	03
Chemistry	11
Computer Science	38
Total	75

School of Biosciences

Name of the Department	No. of scholars
Biochemistry,	04
Biotechnology & Bioinformatics	09
Botany	09
Zoology	09
Total	31

School of Arts and Social Sciences

Name of the Department	No. of scholars
Economics	06
English	30
Tamil	17
Hindi	07
Psychology	11
Music	05
Total	76

School of Commerce and Management

Name of the Department	No. of scholars
Commerce	25
Business Administration	18
Tourism Management	05
Total	48

School of Education

Name of the Department	No. of scholars
Education	10
Special Education	08
Physical Education	15
Total	33

School of Engineering

Name of the Department	No. of scholars
Electronics and Communication Engineering	09
Biomedical Instrumentation and Engineering	03
Food processing and Preservation Technology	02
Computer Science Engineering	04
Civil Engineering	01
Total	19

Committee Members

Advisor: Dr. P Lalitha, Director R&C

Convenors: Dr. B. Loganayaki and Dr. V. Vimala

Dr. A. V. Sajini	Invocation
Dr. S. Bhuvaneshwari	Reception -Inauguration and valedictory
Dr. S. Amutha Dr. P. Kalaivani	Facility Management (Dias decoration, table arrangement, garland, kuthuvizhaku, mementos)-Inauguration and valedictory
Dr. N. Valliammal Dr. M. Shanthi Dr. N. Srimathi	Registration and Maintenance of attendance through Google forms, certificate preparation and distribution, Registration and Monitoring
Dr. A. Sumi	Creation of Google link for the meetings and monitoring the attendance.
Dr. G. Shanti Dr. N. Santhi	Preparation of feedback forms, collecting and consolidating students' feedback for every session and domain Arranging report presentation by school coordinators and 7 scholars from 7 school for feedback during valedictory
Dr. V. Sarasvathy	Liaison with Experts and Resource persons (communications to experts, PPT collection-smooth conduct of their presentations and MOC-Inauguration and valedictory) Guest house coordination
Dr. S. Thilagamani Dr. S. Thilagavathy	Hospitality for dignitaries, lunch, high tea for inauguration, 25 th common sessions and valedictory
Dr. R. Prabha	Garland and memento
Dr. R. Vayjeyanthi Dr. C.A. Annapoorni	Tea and snacks distribution during breaks for scholars, staff and resource person
Dr. N.V. Amudha Devi	Auditorium decoration and seating of scholars
Dr. M. A. Vijaya Dr. Soumya Hirelingannavar	Hospitality/Transport for Speakers
Dr. N.V. Amudha Devi Dr. Soumya Hirelingannavar	Report preparation (collection & consolidation of the presentations in various schools, sending details to press & looking into publications of the same)
Dr. Gurunambiga Dr. B. Mirunalini	Internal Coordination Collecting venues for department wise presentation and handover the same to photograph committee, staff coordinator and conveners Press report and coordinating with PRO and Pre-press report and send to PRO and looking into publication of the same. Newspaper cutting with date of publication to overall report committee members
Dr. V. Vimala Dr. D. Loganayaki	Finance & Accounts/TA/DA bills
Dr. G. Sheefna	Mic, audio and video arrangements, collecting venues for discipline wise presentation, arranging photos for all disciplines
Dr. K. AnnaRam	Banner at Gate-III Near foyer



Avinashilingam Institute for Home Science and Higher Education for Women

(Deemed to be University Estd. u/s 3 of UGC Act 1956, Category 'A' by MHRD)

Re-accredited with 'A++' Grade by NAAC. CGPA 3.65/4, Category I University by UGC)

Coimbatore - 641 043, Tamil Nadu, India

RESEARCHCONVENTION2022

Theme

“Quality Research for a Sustainable Future”

24.11.2022to26.11.2022

Inauguration

24th November 2022 at 9.30am

We cordially invite you for the inauguration of the
Research Convention- 2022

Chief Guest

Dr.P.K.S.Sarma

General Manager and Head, Technical Department, BIOTECHNOLOGY INDUSTRY
RESEARCH ASSISTANCE COUNCIL (A Government of India Enterprise), DBT, Govt. of India

Presidential Address

Prof.S.P.Thyagarajan

Chancellor

Avinashilingam Institute for Home Science and Higher Education for Women

Greetings

Dr.V.BharathiHarishankar

Vice Chancellor

Avinashilingam Institute for Home Science and Higher Education for Women

Dr.S.Kowsalya

Registrar

Avinashilingam Institute for Home Science and Higher Education for Women

Venue:ThiruchitrambalamAuditorium

RESEARCH CONVENTION-2022

On

Quality Research for a Sustainable Future



24th-26th November-2022

Prelude

The Institute was founded by Padma Bhushan, Dr. T. S. Avinashilingam, who planted the seeds for women's education under the auspices of Avinashilingam Education Trust in 1957. Now the institution has grown into a renowned knowledge power house. The Institution further marched towards the global level under the leadership of Dr. Rajammal P. Devadas, the world-renowned nutritionist who has transformed the institute into one of the most sought-after "Institutes for Home Science Education. The College received Autonomous status in 1978.

Recognizing the meritorious work carried out by the College in the areas of education and community development, especially for women students, the MHRD conferred "Deemed to be University" status to the Institution under section 3 of the UGC Act 1956 in 1988. Henceforth, the institute was renamed as Avinashilingam Institute for Home Science and Higher Education for Women. The Institute is currently championed by Dr. T. S. K. Meenakshi Sundaram, Managing Trustee of the Sri Avinashilingam Education Trust; Prof. S. P. Thyagarajan, Chancellor, an Eminent Professor and Expert in Higher Education in the country, Dr. V. Bharathi Harishankar, Vice Chancellor and a distinguished Professor of English Literature and Dr. S. Kowsalya, Registrar, prominent nutritionist.

The Institute in its 4th cycle is accredited by NAAC at "A++" grade level with a CGPA of 3.65/4. It has consistently been catering to the educational needs of „First Generation Learners and Socio-economically Disadvantaged Groups“ from rural areas. The Institute has presently 8 Schools, 42 Departments, 12 Centers, 8700 students and 386 faculty members.

Further, under the Leadership of Chancellor, Prof. S. P. Thyagarajan, the Vision-2040 document was drafted as per SDG4 (Sustainable Development Goal-4) and NEP 2020 which includes proactive measures towards women's empowerment and meeting global challenges through Research and Innovation. The Research Convention-2022 is a part of reaching the goals set by vision-2040.

About Research Convention-2022

The vision of "self-development and empowerment of women through modern, scientific and value-based education to enable them to lead a purposeful life filled with moral and spiritual values" percolates into the teaching, learning, research and consultancy at Avinashilingam Institute for Home Science and Higher Education for Women. The research hemisphere is articulated to reach the vision. The annual Research Convention is a flagship program of the Institute that chains the Institutions mission to provide quality education of global standards based on current advances in science, technology and societal demands with emphasis on commitment to social progress, peace, harmony and national integration. Research convention 2021-2022, on "Quality Research for a Sustainable Future" is aimed to inculcate four important aspects of research-

- (a) Intellectual connection of the researcher to the research.*
- (b) Unifications of science and spirituality for creativity and innovation.*
- (c) Imbibing the culture of intellectual transfer from institution to industry and society at large*
- (d) Meet the global requirements with due significance to the SDG4 goal*

The Motto/ Objective of the Research Convention are to provide a Platform for Research Scholars to:

- (a) Explore and formulate their research interest*
- (b) Elicit their research acumen*
- (c) Escalate in their research work to meet quality and expected outcomes of research*
- (d) Extend and Implement the results of their research work to the society*

Programme 24thNovember- 2022
Venue:Thiruchitrambalam Auditorium

9.30-10.25am	Inauguration
9.30-9.35am	Prayer-Music Department
9.35-9.40am	Welcome Address Dr.P.Lalitha Professor &Director (i/c)R&D
9.40-9.50am	Presidential Address Prof.S.P.Thyagarajan Chancellor
9.50-10.05am	Inaugural Address and Release of Consultancy Potential Manual Dr.P.K.S. Sarma,General Manager and Head, Technical Department, BIRAC (A Government of India Enterprise), DBT ,Govt. of India
10.05 -10.15am	Release of R & D Newsletter Prof.SP Thyagarajan, Chancellor
10.15-10.20am	Greetings Dr.V.Bharathi Harishankar Vice Chancellor
10.20-10.25am	Greetings Dr.S.Kowsalya Registrar
10.25-10.30am	Vote of Thanks Dr. B. Loganayaki Assistant Professor
10.30-10.40am	High Tea
Technical SessionI	
10.45-11.30am	Chief Guest Plenary Lecture- BIRAC , R&D Programme for HEI's Dr.P.K.S.Sarma, General Manager and Head, Technical Department, Biotechnology Industry Research

	Assistance Council (A Government of India Enterprise),DBT, Govt. of India
Technical Session-II	
11.30-12.10pm	Theme: Quality Metrics in Research Dr.M.G.Sethuraman, Professor of Chemistry The Gandhigram Rural Institute-Deemed University
Technical Session-III	
12.10-1.00pm	Theme: Patent and Innovations Mr.Vivekanandan.K, Managing Director Faraday Ozone Products Private Limited
1.00-2.00pm	Lunch Break
2.00-5.00pm	Parallel Technical Sessions Presentation by Research Scholars in their respective domains

Programme 25thNovember- 2022

TechnicalSession-IV

9.30-10.20am	Theme:Orientation on Researgence Software Mr.Cedric Joseph Manuel Chief executive Officer,C Intelligence Pvt Ltd
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Technical Session-V

10.20-11.05am	Theme: Writing a Protocol Dr.SudhaRamalingam,Professor Director - Research & Innovation,Community Medicine,PSG Institute of Medical Sciences & Research
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11.05-11.20am Tea Break

Technical Session-VI

11.20-12.05pm	Theme: A Roadmap from Submission to Publication of Scientific Papers Dr. K. Sowndhararajan, Assistant Professor Kongunadu Arts and Science College (Autonomous)
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TechnicalSession-VII

12.05-1.00pm	Theme:Ethics in Publications and Research Dr.K.Mahalakshmi, Assistant Librarian Avinashilingam Institute for Home Science and Higher Education for Women
1.00-2.00 pm	Lunch Break
2.00-5.00pm	Parallel Technical Sessions Presentation by Research Scholars in their Respective Domains

Programme 26thNovember- 2022

Valedictory Function

Time	Programme	
9.45-9.50am	Prayer-Music Department	
9.50-10.00am	Welcome Address	Dr.T.Shanmugavalli Associate Professor
10.00-12.00pm	Presentation of Reports	School Coordinators
10.00am -12.00pm	Home Science	Dr.V.Sarasvathy Assistant Professor(SS)
	Biosciences	Dr.N.Santhy Assistant Professor(SS)
	Physical and Computational Sciences	Dr.N.Valliammal Assistant Professor(SG)
	Arts and Humanities	Dr.A.Vijayarani Associate Professor
	Management	Dr.V.Vimala Assistant Professor(SS)
	Education	Mrs.R.Vaijyanthi Assistant Professor(SG)
	Engineering	Dr.K.Annaram Professor
	Feedback from Scholars	
12.00-12.30pm	Valedictory Address	Dr.S.Kowsalya Registrar
12.30-12.45pm	Vote of Thanks	Dr.V.Vimala Assistant Professor(SS)

DETAILS OF THE RESOURCE PERSONS

Sl. No	Resource person	Department	Designation	Official address
1.	Dr.P.Santhi	Family Resource Management	Professor	Krishi Vigyan Kendra Thiruvallur
2.	Dr.M.Rajkumar	Physical Education	Professor	Bharathiar University, Coimbatore
3.	Dr.R.Manimegalai	Department of Computer Science and Engineering	Professor & HOD	PSG Institute of Technology and Applied Research, Coimbatore
4.	Dr.L. Mary	Department of Mathematics	Professor	Kumaraguru College of Liberal Arts and Science Coimbatore
5.	Dr.R.Nandhakumar	Department of Applied Chemistry	Professor	School of Sciences, Karunya Institute of Technology, Coimbatore
6.	Dr.P Rani	Biotechnology	Professor	PSG College of Technology, Coimbatore
7.	Dr.NGeetha	Botany	Professor	Bharathiar University, Coimbatore
8.	Dr.Shanthi Radhakrishnan	Costume and Apparel Designing and Academic Co-ordinator, Research Advisor Department of Textiles and Clothing	Dean	PSGR Krishnammal College for Women, Coimbatore
9.	Dr.S.V.S.S. Narayana Raju	Hindi	Professor	Department of Hindi Central University of Tamil Nadu
10.	Dr.G.L.Sathyamoorthy	Civil	Professor	Kumaraguru College of Technology, Coimbatore

11.	Dr.V.R.Vijay Kumar	Department of ECE	Associate Professor & Head,	Anna University Regional Campus, Coimbatore.
12.	Dr.S.Rathi	Department of CSE	Professor & Head	GCT, Coimbatore
13.	Dr.ShekharaNayak	FSN&FPPTS	Professor &Head	Yuvaraj College, Mysore University
14.	Dr.Zenetta Rosaline	Women Studies	Professor and Director	Bharathiar University, Coimbatore
15.	Dr.S.Boopathi	Economics	Professor and Director	Bharathiar University, Coimbatore
16.	Dr.N.Annalakshmi	Psychology	Professor and Director	Bharathiar University, Coimbatore
17.	Dr.Madhumathy	Department of Early Childhood Education and administration	HOD & AssociatePro fessor	Maharani ClusterUniversity, Bangalore
18.	Dr.Shekhara Nayak	FSN	Professor& Head	Yuvaraj College Mysore University
19.	Dr.Sangeetha Pandey	Dept. Of Nutrition Food Science	Associate Professor and Head	Mount Carmel College, Bangalore
20.	Dr.S.Thangarajathi	Dept. of Educational Technology	AssociatePro fessor	Bharathiar University Coimbatore
21.	Dr.Karthikeyan.C,	Professor(Agrl.Extn)	Department of AE & RS,	Tamil Nadu Agricultural University, Coimbatore- 641003
22.	Dr.R Chandrasekar	Associate Professor& Head	Department of English,	Sri RamakrishnaMission VidyalayaCollegeofArtsand Science,Coimbatore

23.	Dr.Murugesan	Department of Tamil	Head of the Department	Kongunadu collage of Arts and Science, Coimbatore.
24.	Dr.N.C.Mirakamal	Department of French & Other Foreign languages	Associate Professor & Head	University of Madras Chennai
25.	Dr.SheelaH.K. Sridhar,	Professor& HOD of Dance	Department Of Dance	University College of Fine Arts, Manasagangotri University of Mysore
26.	Dr.Chellasamy.P	Professor and Dean	Department of Commerce	Bharathiar University, Coimbatore
27.	Dr.Jaya Bharathi.S	Professor	Department of Management Studies	Institute of Engineering andTechnology, Narasipuram, Coimbatore
28.	Dr. Subha.M.V	Associate, Professor	Department of Management Studies	Anna University,Regional, Campus,Navavur,Coimbatore

List of Scholars registered for Research convention

S.No	Name Of Scholar	Department
1	R. Divya	Biochemistry Biotechnology and Bioinformatics
2	Karthiga.S	Biochemistry Biotechnology and Bioinformatics
3	Shruthi Shree Gandhi S	Biochemistry Biotechnology and Bioinformatics
4	Rajarajeswari. Jk	Biochemistry Biotechnology and Bioinformatics
5	Nandhini.D	Biochemistry Biotechnology and Bioinformatics
6	Aswathy R	Biochemistry Biotechnology and Bioinformatics
7	Udayadharshini S	Biochemistry Biotechnology and Bioinformatics
8	Ramya R	Biochemistry Biotechnology and Bioinformatics
9	K.Suganya	Biochemistry Biotechnology and Bioinformatics
10	Chalos Angel Varghese	Biochemistry Biotechnology and Bioinformatics
11	Sharly C	Botany
12	Swarna Lakshmi S	Botany
13	Raja Rajeswari. A	Botany
14	Vasanthi S	Botany
15	Haritha M	Botany
16	Yangchen Dolma Kom	Botany
17	Abinaya.H	Botany
18	M.Girija Sangari	Botany
19	Abinaya P	Business Administration
20	Shiraz Parveen. P	Business Administration
21	M.Munnish Ramya	Business Administration
22	Kousi.R	Business Administration
23	Kavya.P.S	Business Administration
24	Dhivya C	Chemistry
25	Pon Nivetha A	Chemistry
26	Sindhu S	Chemistry
27	Sivasankari J	Chemistry
28	Keerthana.L	Chemistry
29	Thrisha K	Chemistry
30	Rajalakshmi R	Chemistry
31	Dhanya Sruthi R	Chemistry
32	B.Nandini	Chemistry
33	Harinivashini R	Chemistry
34	J.Karpagam	Civil
35	Banumathi R C	Commerce
36	Surya A	Commerce
37	Sina E.S.	Commerce
38	Kanchana C	Commerce
39	Mageswari S S	Commerce
40	Mrs.V.Abinayasri	Commerce

41	Deslit Devid	Commerce
42	Ms.U.Priyanka	Commerce
43	Reshma K	Commerce
44	Sukritha K R	Commerce
45	Asha S	Computer Science
46	Maheswaris	Computer Science
47	Mohana M	Computer Science
48	A.Mahalakshmi	Computer science
49	Bhuvanewari S	Computer Science
50	R. Menaka	Computer Science
51	Aiswarya S	Computer Science
52	Sakthi Priyanka V	Computer Science
53	R. Nivedhana	Computer Science
54	Roshini R	Computer Science
55	Naorem Geetanjali	Biochemistry Biotechnology and Bioinformatics
56	Jaisha Sanandam .S	Botany
57	Andal Devi S	Business Administration
58	Malathi. B	Commerce
59	Dharshini.R	Commerce
60	Ramya.S	Commerce
61	Sujitha Priya D	Computer Science
62	R. Premalatha	Education
63	S.Krishnaveni	Food science and Nutrition
64	N. K. Narmadha	Mathematics
65	Gajalaxmi P	Mathematics
66	Cathelene Antonette. L	Physics
67	D.Pavithra	Resource Management
68	R.Nirmala	Economics
69	Dr. V. Dhivya Keerthiga	Economics
70	Deepika K	Economics
71	Antony Philomena M	Education
72	K.Santhiya Lakshmi	Electronics and Communication Engineering
73	V. Janane	English
74	Gowri K	English
75	Preethi V	English
76	Saranya. S	English
77	Meera. P. S	English
78	Kavya V	English
79	Lavanya K M	English
80	Sharmila V	English
81	Silviya Florance. S	English
82	B. Aishwarya	English
83	Shruthi.M	English

84	Gayathri. B	English
85	N. Lavanya	English
86	Pooja Smrity B	English
87	Preethika S	English
88	T. Isai Amuthavani	English
89	T. Isai Arasi	English
90	Reeshma R	English
91	Rohini R	English
92	Merin Rock Francis	English
93	Rohini S	English
94	Upanisha S	English
95	Nithya Prabha T	English
96	Ramya K R	English
97	Shubha P.	English
98	S. Bavatharani	English
99	V Narmathanandhini	English
100	Shivasankari.S.K	English
101	Chinvarmoi	Extension Education
102	Shikhamoni Gogoi	Food Science and Nutrition
103	Somali Ghosh	Food Science and Nutrition
104	Suganya A	Food Science and Nutrition
105	N. Sasirekha	Food Science and Nutrition
106	Bama.S	Food Science and Nutrition
107	R.Krithika	Food Science and Nutrition
108	I.Janani	Food Science and Nutrition
109	Sruthikavya. S	Food science and nutrition
110	Jolly T T	Food Science and Nutrition
111	Mangalambika B	Food Science and Nutrition
112	Nongmaithem Babita Devi	Food Science and Nutrition
113	Sai Gayathri.H	Food science and Nutrition
114	Rathina C	Food science and nutrition
115	Sonika Thoudam	Food science and nutrition
116	Uthra B	Food Science and Nutrition
117	Ahongshangbam Geetarani Devi	Food Science and Nutrition
118	S.M.Devatha	Food Science and Nutrition
119	Tilotama Sougaijam	Food Science and Nutrition
120	Phareichon Kashung	Food science and nutrition
121	Karishma Yadav G	Food Science and Nutrition
122	B Mangalambika	Food Science and Nutrition
123	Vishali V	Food Service Management and Dietetics
124	N.Komathy	Food Service Management and Dietetics
125	Sowmiya J	Food service management and dietetics
126	K.K. Shanmukapriya	Food Service Management and Dietetics

127	Yoshia Leela	Food Service Management and Dietetics
128	A. Josephine Dheena	French
129	Swathi.K	French
130	Niraja T K	Hindi
131	Aswini Aji	Hindi
132	Abhirami C.J	Hindi
133	Geethu Das	Hindi
134	Dincy George	Hindi
135	Shameena T	Hindi
136	Arunima Am	Hindi
137	Parishmita Dutta	Home science Extension Education
138	Sushmita Deori	Home Science Extension Education
139	H. Malsawmhlui	Home Science Extension Education
140	Supriya Pathak	Home Science Extension Education
141	Stany Mariya Joji	Home Science Extension Education
142	Pungsumbam Rameshwori Devi	Human Development
143	Thongam Victory Khangnbi	Human Development
144	Sarda Laimayum	Human Development
145	Kongkona Sonowal	Human Development
146	Nunna Amulya	Human Development
147	Nongthombam Shimran Devi	Human Development
148	Lairenlakpam Monica Chanu	Human Development
149	Suviera P J	Human Development
150	Nongmaithem Joshila Devi	Human Development
151	N. Lungsithuiliu	Human Development
152	Poornima R	Mathematics
153	Preena R	Mathematics
154	Vivesini.D	Mathematics
155	D Bhavani Gokila	Mathematics
156	Kaarunya.K	Mathematics
157	S. Bhuvaneshwari	Mathematics
158	Gowri S	Mathematics
159	P. Yalini	Mathematics
160	Mershia Rabuni J J	Mathematics
161	M.Priyadharshini	Mathematics
162	Yuvashri.B	Mathematics
163	S. T. Sowmya Narayani	Mathematics
164	Preethi Sowndharya K	Mathematics
165	S.L.Rathika	Mathematics
166	Madhavi C. Mohan	Music
167	Sajitha Suku	Music
168	Rimitha.R	Music
169	P.Priyadharsni	Physical Education

170	B.Vinolia	Physical Education
171	Soundharya P	Physical education
172	Nirmaladevi. G	Physical Education
173	Mehana P	Physics
174	N. R Chandralekha	Physics
175	Monisa.V	Psychology
176	Anitha M	Psychology
177	Gayathri M	Resource Management
178	Deepikavani K	Resource Management
179	Christy Thomas George	Resource Management
180	R.Rayshme	Resource Management
181	R.Vinothini	Resource Management
182	Madhurenu Basu	Resources Management
183	Pavithra K	Special Education
184	R.Arthi	Tamil
185	Kalpna S	Tamil
186	T.Thilagavathi	Tamil
187	V.Rathna	Tamil
188	N.Sudha	Tamil
189	R.Sathya Selvi	Tamil
190	M Venkatalakshmi	Tamil
191	Shrinithi. S	Tamil
192	Jayabharathi.P	Tamil
193	Deepika A	Tamil
194	Murugalakshmi.K	Tamil
195	R. Karpagavalli	Tamil
196	S.Mohanapriya	Tamil
197	M. Manjula	Tamil
198	R.Aarthi	Tamil
199	D.Divya	Tamil
200	Siva Dharshini.S	Tamil
201	Naveena Shri C	Textiles and Clothing
202	Nivedha K	Textiles and clothing
203	M.Gomathi	Textiles and clothing
204	Aneetta V.J	Textiles and Clothing
205	Utthra. B	Textiles and Clothing
206	Anju K P	Tourism management
207	Sharon Treesa Abraham	Tourism Management
208	Pooja.R	Tourism Management
209	Rejitha G	Tourism management
210	E. Deepika	Women's Studies Centre
211	Gunavathi V	Zoology
212	Aparna G Kumar	Zoology

213	Geethamala G V	Zoology
214	M.Sujitha	Zoology
215	Amrisa Pavithra E	Zoology
216	Pavithra.R	Zoology
217	N K Zaheera Banu	Zoology
218	Reeshma V K	Biochemistry biotechnology bioinformatics
219	Ranjini.B	Biochemistry biotechnology bioinformatics
220	Nila Nandhini M	Biochemistry biotechnology bioinformatics
221	S.Gowri	Biomedical Instrumentation Engineering
222	Megha Mohandas	Biomedical Instrumentation Engineering
223	S.Brindha	Biotechnology PhD
224	Aswini. S	BMIE
225	Rasmi. P	Business Administration
226	D. Poongothai	Business Administration
227	Nanma.Vv	Business Administration
228	Krishna Priya K R	Business Administration
229	Divya Cv	Business Administration
230	Maya.S.J	Business Administration
231	K.Priyadharshini	Business Administration
232	Anu Mathew	Business Administration
233	Layana Aanand	Businesses Administration
234	Jasmin Sheela.M	Centre for Women's Studies
235	Rajeela Chirackal	Chemistry
236	K. R. Malarchitra	Commerce
237	Farsana.C	Commerce
238	S. Divya	Commerce
239	V.Yasodha	Commerce
240	Preethamol P	Commerce
241	Mrs.K.Jayanthi	Commerce
242	Sindhu R	Commerce
243	Bindu R	Commerce
244	Archana K M	Commerce
245	Meera K Chandran	Commerce
246	Shilpa K	Computer Science
247	Meena Jose Komban	Computer Science
248	J. Sangeetha Priya	Computer Science
249	Jeevarathinam A	Computer Science
250	Saritha E	Computer science
251	Jiss Kuruvilla	Computer Science
252	Nisha P K	Computer Science
253	Raji N	Computer Science
254	M.Janaki	Computer Science
255	Manasy Jayasurya	Computer science

256	Sunu Mary Abraham	Computer Science
257	Smitha K S	Computer Science
258	Radhalakshmi R	Computer Science
259	Aneeshya C. A	Computer Science
260	Dhanya Sukumaran	Computer Science
261	Kalaiselvi Sr	Computer Science
262	Rasmi M	Computer Science
263	R. Romela Elizabeth Preena	Computer Science
264	M.Keerthika	Computer science
265	Soumya C	Computer Science
266	Nusrath K	Computer Science
267	S Sivasakthi	Computer Science
268	Sherin Varghese	Computer Science
269	Jayasudha J	Computer science
270	S Preema	Computer Science
271	Soumya P G	Computer Science
272	Anjali Sankar	Computer Science
273	Hemashree P	Computer Science
274	Sreedevi R. Krishnan	Computer Science
275	Meenalochini. M	Computer Science and Engineering
276	Dhakshu Sivan	Computer Science and Engineering
277	Gokilavani A	Computer Science and Engineering
278	S.Shanmugapriya	Computer science and engineering
279	S.Sangeetha	Computer Science and Engineering
280	Mrs.Sumalatha J	Business Administration
281	Kadambari K	Business Administration
282	Manju Joy	Commerce
283	S.Karthika	Computer Science
284	K.Kalaiselvi	Computer Science
285	Nithya S	computer science
286	Vinodhini.J	Education
287	Hoitinkim Singson	Food science and Nutrition
288	Rani P	Food Science and Nutrition
289	Saranya M	Human development
290	K. Mythily	Mathematics
291	A.S.Kiruthika	physical education
292	Divya. D	Special Education
293	R.Krishnaveni	Divya. D
294	Subha Thomas	ECE
295	Hema P	ECE
296	E. Suryakala	ECE
297	Sindhu K	Economics
298	Sowmya.S	Economics

299	Smitha K A	Economics
300	R. Nagomi Ruth	Education
301	Mrs. Smitha Mathew	Education
302	Sreela.A.R	Education
303	School Of Education	Education
304	Mini Lakshmi K	Education
305	M.Vijayalakshmi	Education
306	Sabitha Ck	Education
307	K. Brindha	Education
308	Anju Aravind	Education
309	Vijitha G	Electronics and Communication
310	S.Menaga	Electronics And Communication
311	Seetha Gopi V	Electronics and Communication Engineering
312	J.Paruvathavardhini	Electronics and Communication Engineering
313	Meena Shanker	Electronics and Communication Engineering
314	A. Mohananithya	English
315	K.Pooja	English
316	D. Selvarani	Food Processing and Preservation Technology
317	Nisha Raj	Food Science and Nutrition
318	Bushaira V	Food Science and Nutrition
319	Ramyasivaselvi M	Food Science and Nutrition
320	Shahla Karuthedath	Food Science and Nutrition
321	Titas Chakraborty	Food Science and Nutrition
322	Yasmin B	Food science and nutrition
323	Lakyntiew Pariat	Food science and nutrition
324	Minitha Susan Joseph	Food Service Management and Dietetics
325	Ponnada Krishna Prasanna	Food Service Management and Dietetics
326	C.Abinaya	Food service management and dietetics
327	R.Sharmeela	Food service management and dietetics
328	Hemavathy. T	FPPT
329	Anuja Koothottil	French
330	Vadarevu Sony	French
331	R.Thamilselvi	FSN
332	Mrs.Balasaraswathi S	Home Science
333	Karthiga T	Home Science Extension Education
334	P. Jagathambal	Home Science Resource management
335	Syeda Misbah Fathima	Human Development
336	Sasikala.S	Human Development
337	Mrs.S.Kaleeswari	Mathematics
338	R.Anandhi	Mathematics
339	Gourilakshmi.N	Mathematics
340	Dayana K	Mathematics
341	J.P.Thempaavai	Mathematics

342	Gisha G R	Mathematics
343	Thasleena N	Mathematics
344	Vasudha Kottapalli	MBA
345	Anjali Mohanan	Music
346	G.Aswini	MUSIC
347	M. Sudha	Phd in women studies
348	M.S.Saranya	Physical education
349	Amsaveni R	Physical education
350	Nakkala Jhansirani	Physical Education
351	Salomy.R	Physical Education
352	Kumutha.P	Physical Education
353	K.Selvamaila	Physical Education
354	Sobha K	Physical education
355	Sivasankari A	Physical Education
356	S Saranya	Physical Education
357	Mrs.S.Eswari	Physical education
358	Vishnu Priya S K	Physical education
359	S. Subhashini	Psychology
360	R. Vatsala Mirnaalini	Psychology
361	Ms.Buela Philomina. M	Psychology
362	Sudha. R	Psychology
363	M. Sathya	Psychology
364	Sanmathi,A.P	Psychology
365	Srinithi A M	Psychology
366	S.Nagasudha	Psychology
367	Sai Sudha Paravada	Resource Management
368	Shobana S	Resource Management
369	N.Susetha	Resource management
370	J.Vidhya	Resource Management
371	Jayanthi	Resource Management
372	Praseeda V	Resource management
373	M.Ramya	School of education
374	Lalithavinodini Kunnathchalil	Special Education
375	Hemalakshmi L	Special Education
376	Ananthi G	Special Education
377	Bibi C B	Special Education
378	K.Manjula	Special education
379	T. Premalatha	Special Education
380	B. Krishnapriya	Special Education
381	K Kalaichelvi	Textiles and Clothing
382	Pooja Bekal	Textiles and Clothing
383	Nakka Nivya	Textiles and Clothing
384	S Bhavani	Textiles and clothing

385	S Mounica	Textiles and clothing
386	S. M. Naseera	Textiles and Clothing
387	Divyaa. V	Textiles and Clothing
388	N.Vidhya	Textiles and Clothing
389	Akhila Ashokan	Textiles and clothing
390	Mrs.S.Ignacious Mary	Tourism management
391	M. Sankaraselvi	Woman studies
392	Sp Anusuya	Women studies
393	Niranjanashalini. R	Women Studies
394	Sr. Preetha	Women studies
395	Jyothi Tb	Women Studies
396	N.Shaba	Women studies
397	Ramya. P	Women's studies
398	K. Ramya	Women's studies
399	Sumathy.K	Women's Studies
400	Pauly P P	Women's studies
401	Umadevi A	Women's studies
402	Mrs.Sivagami Ramanathan	Women's Studies
403	Febby Payva	Women's Studies
404	Remya James	Zoology