



*Ready for
Every Good Work*

SACRED HEART COLLEGE (AUTONOMOUS)

Tirupattur – 635 601, Tamil Nadu, S.India

Resi : (04179) 220103

College : (04179) 220553

Fax : (04179) 226423

A Don Bosco Institution of Higher Education, Founded in 1951 * Affiliated to Thiruvalluvar University, Vellore * Autonomous since 1987

Accredited by NAAC (4th Cycle – under RAF) with CGPA of 3.31 / 4 at 'A+' Grade

2.2. Catering to Students Diversity Programmes for Advanced Learners Research Forum - 2021 - 2022

**Annual Report
on the
Activities of the
Research Forum
2021-22**

**Sacred Heart College (Autonomous)
Tirupattur-635601**

Department of B.Com(CA)-Shift-II -2021-22

Coordinator: Name: Dr.D.Valarmathi,

Mobile No : 9344143262

E-mail : valarmathi@shcpt.edu

Student Member List:

Class: Second Year

| SI. No. | Name | Register number |
|----------------|------------------|------------------------|
| 1 | SURIYAPRAKASH K | BU201206 |
| 2 | PAVITHRA A | BU201210 |
| 3 | KAVIYA A | BU201212 |
| 4 | NISHANTHINI S | BU201220 |
| 5 | GAYATHRI N | BU201232 |
| 6 | PRIYADHARSHINI S | BU201251 |
| 7 | YAMUNADEVI M | BU201257 |
| 8 | THIRUMALAI S | BU201266 |
| 9 | SHRUTHIGA S | BU201267 |
| 10 | NARESHKUMAR | BU201222 |

Class: Third year

| Sl.No | Name | Register number |
|--------------|-------------------|------------------------|
| 1 | PRIYADHARSHINI. P | BU191202 |
| 2 | ONNISHA V | BU191226 |
| 3 | BHUVANKUMAR M | BU191232 |
| 4 | MANISHA S | BU191251 |
| 5 | TAMILARASAN R | BU191246 |
| 6 | NETHAVATHI N | BU191268 |
| 7 | VINCENT .A | BU191265 |
| 8 | MUDDASSIR. A | BU191267 |
| 9 | HARSAVARTHINI | BU191272 |

Sacred Heart College (Autonomous) Tirupattur, Vellore Dt - 635601

Research Forum - B.Com (CA) (SHIFT - II)

Annual Plan for the Academic Year 2021 - 2022

Staff In-charge: Dr.D.Valarmathi

| S.No | Month | Programmes |
|-------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | August | Inauguration of Research Forum |
| 2 | August | Research forum students meet & Discussion on Research through online platform |
| 3 | September | Invited talk about Research methods Discussion on Current Issues Identify their interested area of research and Selecting research topic Attending conferences, seminar, workshops etc through online |
| 4 | October | Discuss about Preparation of questionnaire Explain about primary and secondary data sources |
| 5 | December | Attending conferences, seminar, workshops etc... through online and encouraging students to prepare the papers |
| 6 | January | Invited talk on analyzing the data collection by using different types of tools |
| 7 | February | Evaluation of Research Forum activities |

Sacred Heart College (Autonomous), Tirupattur
DEPARTMENT OF B. COM (CA)
RESEARCH FORUM
Report- 2021-2022

Inter and Intra programme Participation details

- Research Forum students attended the presentation on Research Methods through Google meet link: meet.google.com/iyi-cuwy-rqc, organised by Research Forum in-charge Dr. D. Valarmathi on 25.10.2021.

In that meeting the following topics were explained

- Meaning of Research
 - Types of Research
 - Advantages of Research
 - Research process
 - Identifying Research Gap
-
- One of our Research Forum Students are participated in the Cheminspires on Chem Doodling, Department of Chemistry, SRM Institute of science and technology on 5.06.2021
 - 11 of our Research Forum Students are participated in “World Entrepreneurs Day” Awareness Quiz Programme conducted by Center for Innovation and Center for Innovation and Business Incubation (CIBI) & Institution’s Innovation Council, Sacred Heart College (Autonomous), Tirupattur, on 21.08.2021
 - Eight of our students attended COVID-19, Vaccine Awareness quiz 2021, conducted by Youth Red cross (shift-1), sacred Heart college,(Autonomous), Tirupattur from 5.08.2021 to 10.08.2021
 - National Level online Quiz on “Awareness about Covid-19 and Vaccination” Conducted by National Service Scheme (NSS), Sacred Heart College,(Autonomous), Tirupattur on 06.08.2021, 10 students are participated.
 - Our Research Forum seven students are attended, Webinar on Entrepreneurship For everyone on 25.08.2021 conducted by Department of commerce, Guru shree shanthi vijai jain Arts and science college, Thirukkazhukundram

- 5 of our students are participates in National Webinar on Know your Rights, organized by NSS, NCC, YSR,RRC & Citizen Consumer Club, Marudhar Kesari Jain College for women, Vaniyambadi on 1.12.2021
- Department of Corporate Secretary ship (Shift-I) & IQAC. Anna Adarsh College For Women, Chennai, organized national webinar on How to buy and sell shares in stock market on 15.12.2021, 12 students are participated
- Five of our students are attended National Webinar on Consumer Protection Laws organized by Citizen Consumer Club, Marudhar Kesari Jain College for women, Vaniyambadi on 24.12.2021
- Department of commerce, Acharya Bangalore B. School. Karnataka conducted National Webinar on Repealed; Consumer Protection Act-2019”on 30.12.2021, 12 students are attended.
- PG & Research Department of commerce, sacred Heart college(Autonomous), Tirupattur, organized national webinar on e-commerce and Mobile commerce- opportunities and challenges on 10.01.2022, 13 of our research forum students are attended the webinar.
- 11 of our Research forum students attended National Level Webinar on “TAX PLANNING FOR INDIVIDUALS” organized by Department of Commerce, Marudhar Kesari Jain College for women, Vaniyambadi on 21.01.2022.

Research Forum meeting organized through Google meet link: meet.google.com/naf-knjk- **on 12th February 2022**

In the meeting explain about the following topics

- Research problem
- Data collection
- Tools used for analysis
- Report writing
- Apart from this our Research Forum Students are actively attended many number of Quiz conducted by various colleges through online and got the certificate.
- Department of Economics, Mahatma Gandhi Kashi Vidyapith, National Webinar on Empowering women: strengthening India on 08.03.2022, six of our students are participated.

- 15 of our students are participated in national webinar on Financial empowering through wealth creation conducted by Department of B. Com (CA) and AMI, Sacred Heart College (Autonomous) on 22.03.2022
- 3 Days national workshop on “Data Analytics using Advance excel organized by Department of B. com (CA), Sacred heart college (Autonomous) from 29.03.2022 to 31.03.2022. 18 students are attended this workshop.
- 5 of our students attended Workshop on Role of mutual funds in Financial Empowerment organized by Rabindranath Tagore University, Madhyapradesh, Bhopal on 04.05.2022.
- 7 of our students attended national webinar on Smart Trading using Fundamental and Technical Analysis, organized by PD Department of Commerce, Sacred Heart College (Autonomous) on 10.05.2022.

| | Organizer | Date | Topic | No of students |
|----|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------|-----------------------|
| 1 | Department of Chemistry, SRM Institute of science and technology | 5.06.2021 | Cheminspires on Chem Doodling | 1 |
| 2 | Center for Innovation and Business Incubation (CIBI) & Institution's Innovation Council, Sacred Heart College (Autonomous), Tirupattur, | 21.08.2021 | "World Entrepreneurs Day" Awareness Quiz Programme | 11 |
| 3 | Youth Red cross (shift-1), sacred Heart college,(Autonomous), Tirupattur | 05.08.2021 to 10.08.2021 | COVID-19, Vaccine Awareness quiz 2021 | 8 |
| 4 | National Service Scheme (NSS), sacred Heart college,(Autonomous), Tirupattur | 06.08.2021 | National Level online Quiz on "Awareness about Covid-19 and Vaccination" | 10 |
| 5 | Department of commerce, Guru shree shanthivijai jain Arts and science college, Thirukkazhukundram | 25.08.2021 | Webinar on Entrepreneurship For everyone | 7 |
| 6 | NSS, NCC, YSR,RRC & Citizen Consumer Club, Marudhar Kesari Jain College for women, Vaniyambadi, | 1.12.2021 | National Webinar on Know your Rights | 5 |
| 7 | Department of Corporate Secretary ship (Shift-I) & IQAC. Anna Adarsh College For Women, Chennai | 15.12.2021 | How to buy and sell shares in stock market | 12 |
| 8 | Citizen Consumer Club, Marudhar Kesari Jain College for women, Vaniyambadi, | 24.12.2021 | National Webinar on Consumer Protection Laws | 5 |
| 9 | Department of commerce, Acharya Bangalore B. School. Karnataka | 30.12.2021 | National Webinar on Repealed; Consumer Protection Act-2019" | 12 |
| 10 | PG & Research Department of commerce, sacred Heart college(Autonomous), Tirupattur | 10.01.2022 | e-commerce and Mobile commerce- opportunities and challenges | 13 |
| 11 | Department of Commerce, Marudhar Kesari Jain College for women, | 21.01.2022 | National Level Webinar on "TAX PLANNING FOR INDIVIDUALS" | 11 |

| | | | | |
|----|----------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------------|----|
| | Vaniyambadi, | | | |
| 12 | Department of Economics, Mahatma Gandhi Kashi Vidyapith | 08.03.2022 | National Webinar on Empowering women: strengthening India | 6 |
| 13 | Department of B. Com (CA) and AMI, Sacred Heart College (Autonomous) | 22.03.2022 | Financial empowering through wealth creation | 15 |
| 14 | Department of B. com (CA), Sacred Heart college (Autonomous) | 29.03.2022 to 31.03. 2022 | 3 Days national workshop on “Data Analytics using Advance excel | 18 |
| 15 | Rabindranath Tagore University, Madhyapradesh, Bhopal | 04.05.2022 | Workshop on Role of mutual funds in Financial Empowerment | 5 |
| 16 | PD Department of Commerce, Sacred Heart College | 10.05.2022 | National Webinar on Smart Trading using Fundamental and Technical Analysis | 7 |

Department of Commerce

Report of the activities of the Research Forum 2020-2021

We are happy to present the activities of the research forum of our Department during the Academic year 2020-2021.

Our students have participated in the online competitions conducted by the Department of Commerce of various colleges and enriched their knowledge and competence. The Following are the events participated.

DG Vaishnava College, Chennai.

Date of the event: 1.12.2020 to 02.12.2020

Names of the students participated:

AU180107 – Priyanka

AU180109 – Princeton

AU180124 – Sugalya

AU180126 – Ashish Raja

AU180134 – Jason Leon Gomes

AU180149 – Rex Anto Kumar

Ramakrishna College, Coimbatore

Date of the event – 13.02.2021

Names of the students participated:

AU180107 – Priyanka

AU180134 – Jason Leon Gomes

AU180135 - Obathiya

AU180149 – Rex Anto Kumar

The following prizes were won by our students in the events

Ramakrishna College:

Event Name – ‘Find if you can’ – First place by Obathiya

Event Name – ‘Panel Discussion’ – 1st Place by Jason Leon Gomes

Event Name – ‘Open Box Challenge’ – 3rd place by Rex Anto Kumar

DG Vaishnava College:

Event Name – ‘Brain Wars’ – First place by Jason Leon Gomes

Event Name – ‘DG_Biz_Som’ – 1st Place by Jason Leon Gomes

Event Name – ‘Quiz’ – 2nd place by Princeton

Panel Discussion on Union Budget 2021-22

The students of Research Forum have participated as audience in the Panel discussion on the Union Budget 2021-22 organized by the Department of Economics, Sacred Heart College. Dr. G. Prakashraj the research forum coordinator has also participated in the event as a panelist and discussed the impact of the Budget on the Tax regime

Importance of Language in Today’s World

A seminar on “**Importance of Language in Today’s World**” on **20/02/2021** was presented by **Dr. Perumal Kittusamy Asst. Prof. in Linguistics Tamil University, Thanjavur, Tamilnadu.**

The students of the research forum had a very engaging session with Dr. Perumal during which students presented him with various queries to which he answered them in an apt way.

Online Webinar on the Awareness of Investment

An active webinar on the “**Importance of Investing and Awareness of Various Investment Avenues**”, on **03/03/2021** was presented by **Ms. Esther Ravi, Dr. Hepzibah Gnana Sinthiya** headed by **Ms. Gayathri Joshi.**

The webinar was on the awareness on investing and the gains of having invested in other sources to earn a passive income. The webinar invoked the inner investor of every student who attended the session and was filled with many areas of investing prospects and how a person should invest. The active session was useful to all the students and their queries were well answered. The students were all presented with an e-Certificate.

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RESEARCH FORUM – ANNUAL REPORT ACADEMIC YEAR 2021 – 2022



DEPARTMENT OF COMMERCE (SHIFT I)

SACRED HEART COLLEGE (AUTONOMOUS), TIRUPATTUR

Department of Commerce (Shift I)

Research Forum Annual Report - Academic Year 2021 – 2022

The Department of Commerce (Shift I) has active Research Forum, which keeps on recharging the advanced learners with activities and programme led by the members of the student research forum. This forum allows the student members to be involved in all aspects of planning and executing the programmes / seminars organized in the department and also to encouraging the fellow students to participate in intra-collegiate and inter-collegiate competitions. The forum functioning under an elected office bearers consisting of Secretary **Mr. S. P. Solomon Kiran** (III B Com) and Joint Secretary **Mr. R. Bharathwaj** (II B Com) and student members along with Research Forum Coordinator Dr. G. Prakashraj (Staff In-charge) for the Academic Year 2021-22. The students for the research forum were selected by their research / skill aptitude interview and interest. The following students are selected for the Academic Year 2021-2022.

| S. No | Reg. No | Name of the Student |
|-------|----------|------------------------|
| 1 | AU190104 | Reethika |
| 2 | AU190105 | Lakshmi Narasimhan N |
| 3 | AU190106 | Santhi P |
| 4 | AU190110 | Poovizhi P |
| 5 | AU190112 | Marshell Samuel Rich S |
| 6 | AU190119 | Solomon Kiran S P |
| 7 | AU190120 | Padmapriya R |
| 8 | AU190124 | Sudhakar N |
| 9 | AU190134 | Akila S |
| 10 | AU190148 | Rosario Maria Lauren K |
| 11 | AU190150 | Tembo Nicholas |
| 12 | AU190158 | Roshini R |
| 13 | AU190155 | Williams B |
| 14 | AU190162 | Yogesh S |
| 15 | AU190168 | Augustin Maria D |
| 16 | AU190172 | Stephen Raj C |
| 17 | AU200101 | Bharathwaj R |
| 18 | AU200104 | Deepika M |

| | | |
|----|----------|---------------------|
| 19 | AU200111 | Uma Priya T |
| 20 | AU200112 | Dinesh M |
| 21 | AU200117 | Mohan Raj K |
| 22 | AU200119 | Dravid Mutharasan F |
| 23 | AU200120 | Cecilia Ruby A |
| 24 | AU200122 | Divya Mary D S |
| 25 | AU200125 | Abinisha S |
| 26 | AU200130 | Sanjay Sham Raj S |
| 27 | AU200142 | Syed Abdul Kalam A |
| 28 | AU200147 | Rayman Silva S |
| 29 | AU200148 | Mozhivanan A |
| 30 | AU200159 | Pio Luke L |
| 31 | AU200170 | Rakhul Kumaar K T |
| 32 | AU200174 | Gomathi R |

Report of the Forum for the year 2021-2022

The forum served as a platform for the students to share and update their knowledge on the important happenings in the business world. The following activities were organized towards this objective.

1. Group discussion – Once in a month in which the members were divided into groups and put forth their thoughts and knowledge on the topics given. The discussions were moderated by the staff members.
2. Case analysis – The members of the forum were given the familiar cases of business enterprises which are having operational problems in different functions of management. The members will analyze the case and come out with a presentation highlighting the probable solutions
3. Aptitude Training – The members organized aptitude training sessions in turn to acquire and share the knowledge on solving different aptitude problems appearing in the competitive exams.
4. Budget analysis – The members were presented a detailed analysis of the Union Government Budget and were asked to discuss the highlights, pros and cons of the budget.

Students' Achievement in Inter and Intra Collegiate Meet

- Our students have participated in various Webinars and Online Workshops at National Level organized by various reputed Institutions.

| S No | Name of the student | Event | Place | Prize / Participation |
|------|-------------------------|--------------------------------|--------------------------------------------|-----------------------|
| 1 | SOLOMON KIRAN S P | COMBAT 2K21 MEMKESZITES 2021 | DG VAISHNAVA COLLEGE (AUTONOMOUS) CHENNAI | FIRST |
| 2 | DINESH M | COMBAT 2K21 MEMES | DG VAISHNAVA COLLEGE (AUTONOMOUS) CHENNAI | SECOND |
| 3 | ROSARIO MARIA LAUREN | COMBAT 2K21 AD REVIEW | DG VAISHNAVA COLLEGE (AUTONOMOUS) CHENNAI | FIRST |
| 4 | ROSARIO MARIA LAUREN | COMBAT 2K21 MARKETING MAESTROS | DG VAISHNAVA COLLEGE (AUTONOMOUS) CHENNAI | FIRST |
| 5 | N.S. LAKSHMI NARASIMHAN | QUIZ | IPR CELL, SACRED HEART COLLEGE, TIRUPATTUR | THIRD |
| 6 | SOLOMON KIRAN S P | QUIZ | IPR CELL, SACRED HEART COLLEGE, TIRUPATTUR | THIRD |
| 7 | ROSARIO MARIA LAUREN | QUIZ | IPR CELL, SACRED HEART COLLEGE, TIRUPATTUR | THIRD |
| 8 | R. BHARATHWAJ | QUIZ | IPR CELL, SACRED HEART COLLEGE, TIRUPATTUR | THIRD |
| 9 | A. MOZHIVANAN | QUIZ | IPR CELL, SACRED HEART COLLEGE, TIRUPATTUR | THIRD |
| 10 | M. TEEESHWARAN | CHARLIE'S PLAY | ST. JOSEPH'S COLLEGE, TRICHY | SECOND |
| 11 | S. NITHISH | CHARLIE'S PLAY | ST. JOSEPH'S COLLEGE, TRICHY | SECOND |
| 12 | SOLOMON KIRAN S P | CHARLIE'S PLAY | ST. JOSEPH'S COLLEGE, TRICHY | SECOND |
| 13 | K. MADHAN | CHARLIE'S PLAY | ST. JOSEPH'S COLLEGE, TRICHY | SECOND |
| 14 | T. UMA PRIYA | CORPORATE WIZARD | ST. JOSEPH'S COLLEGE, TRICHY | SECOND |

ANNUAL PLAN FOR RESEARCH FORUM 2021-22
PG & RESEARCH DEPARTMENT OF ECONOMICS
SACRED HEART COLLEGE (AUTONOMOUS) TIRUPATTUR-635 601

PROGRAMME SCHEDULE FOR RESEARCH FORUM 2021-22

| Sl. No | PROGRAMMES | DATE |
|---------------|-------------------------------------------------------|-------------|
| 1 | Selection of Research Forum Students | 31.08.2021 |
| 2 | Preparation of Research Article | 03.09.2021 |
| 3 | Secretary Election | 07.09.2021 |
| 4 | What is research in social science? | 04.10.2021 |
| 5 | How to indentify research problem? | 08.11.2021 |
| 6 | Need for social science research | 06.12.2021 |
| 7 | Importance of economics in our life | 21.01.2022 |
| 8 | Importance of case studies in social science research | 07.02.2022 |
| 9 | Importance of SPSS in social science research | 09.03.2022 |
| 10 | How to prepare a questionnaire? | 13.04.2021 |
| 11 | How to write a Research Paper? | 02.05.2022 |

RESEARCH FORUM 2021-22
PG & RESEARCH DEPARTMENT OF ECONOMICS
SACRED HEART COLLEGE (AUTONOMOUS) TIRUPATTUR

STUDENT'S DETAILS

| Sl. No | Student's Name | Class |
|-------------------------|---------------------------|-----------------|
| I BA Economics | | Reg. No |
| 1 | DANISH CM | AU210045 |
| 2 | VASANTHKUMAR M | AU210044 |
| 3 | MISYEL J | AU210039 |
| 4 | JAYA SRI K | AU210012 |
| 5 | VETRI VELAN K | AU210065 |
| II BA Economics | | Reg. No |
| 6 | JANAGARAJ D | AU200066 |
| 7 | SYED ABSARUL | AU200007 |
| 8 | MONIKA K | AU200020 |
| 9 | KAVIYA K | AU200030 |
| 10 | SWETHA | AU200028 |
| III BA Economics | | Reg. No |
| 11 | ALPHA HASSELIIN MA | AU190007 |
| 12 | ASWINI S | AU190047 |
| 13 | KOWSIK KUMAR S | AU190062 |
| 14 | KUBERAN P | AU190028 |
| 15 | ARAVINDH S | AU190004 |
| 16 | DEEPIKA S | AU190027 |
| I MA Economics | | Reg. No |
| 17 | ALEXZANDER S | AP210003 |
| 18 | KOKILA S | AP210010 |
| 19 | SRI DEVI P | AP210005 |
| 20 | GOLDHA JESSY RJ | AP210001 |
| 21 | ANJALI S | AP210009 |
| 22 | VIJAY R | AP210016 |
| II MA Economics | | Reg. No |
| 23 | SUNIL KUMAR K | AP200001 |
| 24 | SANTHOSH | AP200003 |
| 25 | PRABAKARAN P | AP200002 |
| 26 | YOGANATHAN | AP200007 |
| 27 | ASWINI J | AP200009 |

**SACRED HEART COLLEGE
(AUTONOMOUS)**



**PG & RESEARCH DEPARTMENT
OF ECONOMICS**

**RESEARCH FORUM ANNUAL REPORT
[2021-2022]**

REPORT PREPARED BY

Dr. R. Kurinji Malar

Assistant Professor & Research Forum President

PG & Research Department of Economics

Sacred Heart College (Autonomous)

Tirupattur-635601, Tirupattur District

PROGRAMMES CONDUCTED FOR THE ACADEMIC YEAR 2021-22

| Sl. No | DATE | PROGRAMMES |
|---------------|-------------|-------------------------------------------------------------------------------------|
| 1. | 31.08.2021 | Orientation Programme on “Research Forum” |
| 2. | 03.09.2021 | How to write a Research Abstract? |
| 3. | 04.10.2021 | Basics in Social Science Research |
| 4. | 08.11.2021 | Identification of Research problem |
| 5. | 31.11.2021 | Invited Talk on “Research Methods in Social Science” |
| 6. | 15.12.2021 | Invited Talk on “Methods of Social Science Research & Use of Statistical Softwares” |
| 7. | 14.03.2022 | Invited Talk on “Research and its Importance” |

ORIENTATION PROGRAMME ON “RESEARCH FORUM”

31.08.2021

An “Orientation Programme” on “Research Forum” was organized on 31.08.2021 through Google Meet from 2 to 3 pm. All the Research forum students participated in the programme. Research Forum President Dr. R. Kurinji Malar enlightened the students on the importance of research, main objectives and core principles of Economic research. She also insisted on the importance of social science research and its role in global economy development. Students actively participated in the programme.



The poster features a colorful background with a rainbow gradient. In the top left corner is the Sacred Heart College logo, a shield with a cross and a banner. The text is centered and uses various colors and bold fonts. At the bottom, there is a Google Meet logo and the phrase 'All are invited'.

RESEARCH FORUM
PG & RESEARCH DEPARTMENT
OF ECONOMICS
Sacred Heart College (Autonomous)
Tirupattur-635601, Tirupattur District

ORIENTATION PROGRAMME
ON
RESEARCH FORUM

By
Dr. R. Kurinji Malar
Research Forum President,
PG & Research Department of Economics,
Sacred Heart College (Autonomous), Tirupattur

Date: 31.08.2021
TIME: 2.00 TO 3.00 PM


Google Meet

All are invited

**ORIENTATION TALK ON
HOW TO WRITE A RESEARCH ABSTRACT?**

03.09.2021

An Orientation Talk on How to write a Research Abstract was organized on 03.09.2021 through Google Meet from 2 to 3 pm. All the Research forum students participated in the programme. Research Forum Secretary Mr. P. Prabakaran of II MA Economics welcomed the gathering. Research Forum President Dr. R. Kurinji Malar enlightened the students on how to write a Research abstract. She explained the template for a research abstract and the word limit. She also gave an exercise to the students to prepare their own research abstract. Research Forum Joint-Secretary Mr. D. Janagaraj of II BA Economics expressed his words of gratitude. Students actively participated in the programme.



The poster features a central white rectangular area with a light blue gradient background. At the top left is the Sacred Heart College logo. The text is centered and uses various colors: pink for the main title, blue for the speaker's name, and red for the date and time. A Google Meet logo is at the bottom center, and the phrase 'All are invited' is at the very bottom in red. The poster is decorated with colorful abstract shapes on the sides.

**RESEARCH FORUM
PG & RESEARCH DEPARTMENT
OF ECONOMICS
Sacred Heart College (Autonomous)
Tirupattur-635601, Tirupattur District**

**ORIENTATION TALK
ON
How to write a
Research Abstract?**

**By
Dr. R. Kurinji Malar
Research Forum President,
PG & Research Department of Economics,
Sacred Heart College (Autonomous), Tirupattur**

**Date: 03.09.2021
TIME: 2.00 TO 3.00 PM**


Google Meet

All are invited

BASICS IN SOCIAL SCIENCE RESEARCH

04.10.2021

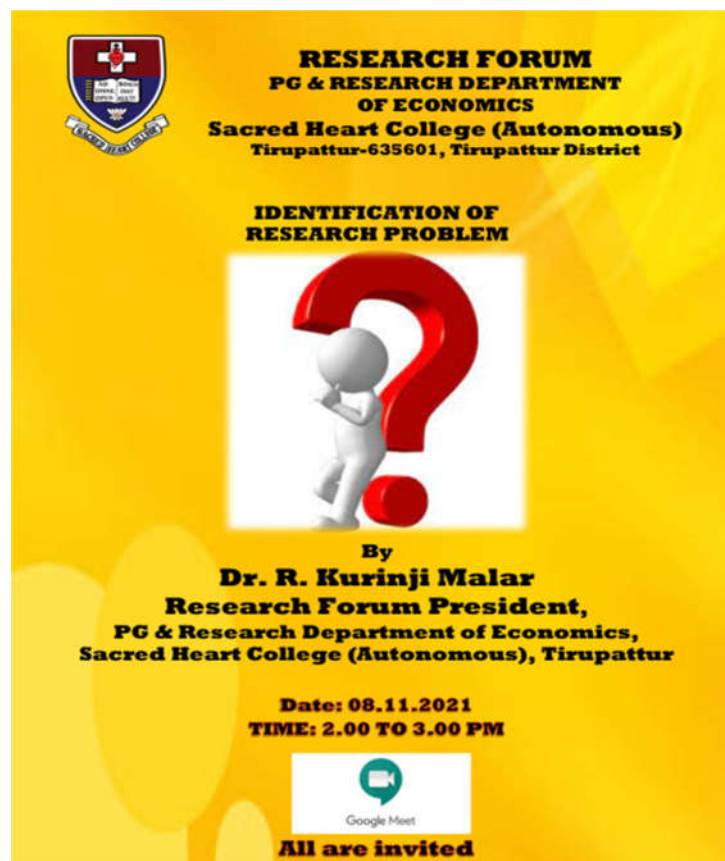
A Talk on “Basics in Social Science Research” was organized on 04.10.2021 through Google Meet from 2 to 3 pm. All the Research forum students participated in the programme. Research Forum Secretary Mr. P. Prabakaran of II MA Economics welcomed the gathering. Research Forum President Dr. R. Kurinji Malar enlightened the students on “Basics in Social Science Research”. She explained the basics in social science research which involves questions and investigative practices that are focused on discovering or formulating fundamental principles of human behavior, and are generally inspired by the scientist's curiosity rather than an attempt to solve a particular problem. Research Forum Joint-Secretary Mr. D. Janagaraj of II BA Economics expressed his words of gratitude. Students actively participated in the programme.



IDENTIFICATION OF RESEARCH PROBLEM

08.11.2021

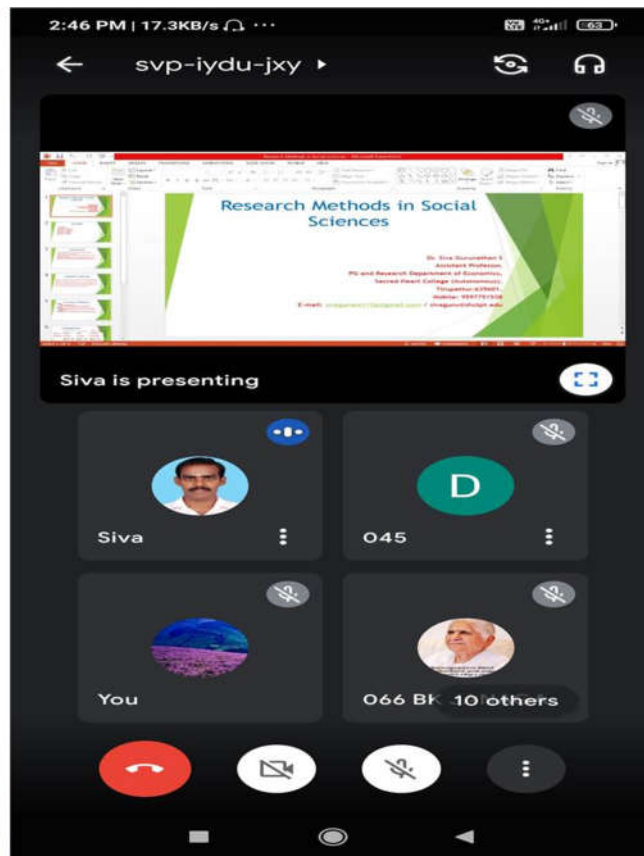
A programme on “Identification of Research Forum” was organized on 08.11.2021 through Google Meet from 2 to 3 pm. All the Research forum students participated in the programme. Research Forum Secretary Mr. P. Prabakaran of II MA Economics welcomed the gathering. Research Forum President Dr. R. Kurinji Malar demonstrated on how to identify a research problem. She explained about the identification of research problem which refers to the sense of awareness of a prevalent social problem, a social phenomenon or a concept that is worth study as it requires to be investigated to understand it and a researcher identifies such a research problem through his observation, knowledge, wisdom and skills. Research Forum Joint-Secretary Mr. D. Janagaraj of II BA Economics expressed his words of gratitude. Students actively participated in the programme.



INVITED TALK ON RESEARCH METHODS IN SOCIAL SCIENCE

30.11.2021

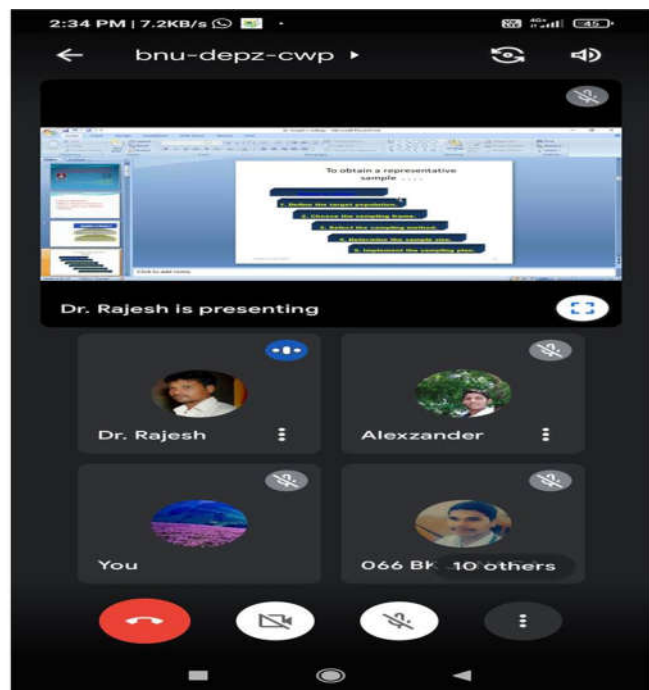
An Invited Talk on “Research Methods in Social Science” was organized on 30.11.2021 through Google Meet from 2 to 3 pm. All the Research forum students participated in the programme. Research Forum Secretary Mr. P. Prabakaran of II MA Economics welcomed the gathering. Research Forum President Dr. R. Kurinji Malar introduced the Resource Person Dr. S. Siva Gurunathan Assistant Professor, PG & Research Department of Economics, Sacred Heart College (Autonomous), Tirupattur. Resource person in his talk elaborated on the various research methods in social science. He also explained the scientific methods, as applied to social sciences, includes a variety of research approaches, tools, and techniques, for collecting and analyzing qualitative or quantitative data. He also explained on the methods including field surveys, case research, ethnographic research, action research, and so forth. Research Forum Joint-Secretary Mr. D. Janagaraj of II BA Economics expressed his words of gratitude. Students actively participated in the programme.



INVITED TALK ON “METHODS OF SOCIAL SCIENCE RESEARCH & USE OF STATISTICAL SOFTWARES”

15.12.2021

An Invited Talk on “Methods of Social Science Research & Use of Statistical Softwares” was organized on 15.12.2021 through Google Meet from 2 to 3 pm. All the Research forum students participated in the programme. Research Forum Secretary Mr. P. Prabakaran of II MA Economics welcomed the gathering. Research Forum President Dr. R. Kurinji Malar introduced the Resource Person Dr. G. Rajesh, Assistant Professor, Department of Business Administration, National Arts & Science College, Trichy. Resource person in his talk elaborated on how to carry out research in social science. He also explained the scientific statistical methods employed in social science research. He also explained on the Sampling techniques, descriptive statistics, regression and analysis of variance along with parametric, nonparametric, multivariate, categorical data and time series. He also explained on the statistical tools namely standard deviation, regression, hypothesis testing, and sample size determination. Research Forum Joint-Secretary Mr. D. Janagaraj of II BA Economics expressed his words of gratitude. Students actively participated in the programme.



INVITED TALK ON “RESEARCH AND ITS IMPORTANCE”

14.03.2022

An Invited Talk on “Research and its Importance” was organized on 14.03.2022. All the Research forum students participated in the programme. Research Forum Secretary Mr. P. Prabakaran of II MA Economics welcomed the gathering. Research Forum President Dr. R. Kurinji Malar introduced the Resource Person Dr. D. Joy Christina, Assistant Professor, Department of English, Sacred Heart College (Autonomous), Tirupattur. Resource person in her talk explained about research which is the foundation of knowledge and an important source for providing guidelines or norms for solving different social, business, or governmental problems. She also explained that Research is a variety of formal training which enables us to understand the new developments in one's field in an efficient way. Research Forum Joint-Secretary Mr. D. Janagaraj of II BA Economics expressed his words of gratitude. Students actively participated in the programme.





RESEARCH FORUM
PG & RESEARCH DEPARTMENT
OF ECONOMICS
SACRED HEART COLLEGE (AUTONOMOUS)
TIRUPATTUR-635601, TIRUPATTUR DISTRICT

INVITED TALK

ON

RESEARCH AND ITS
IMPORTANCE

Resource Person

Dr. D. Joy Christina

Assistant Professor,
Department of English,
Sacred Heart College (Autonomous), Tirupattur

DATE: 14.03.2022

TIME: 2.00 TO 3.00 PM

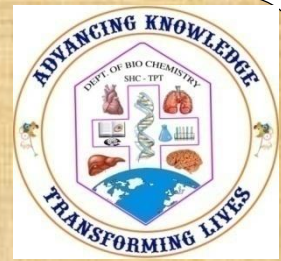
VENUE: PRESENTATION HALL, ENGLISH DEPT.

All are invited





Sacred Heart College (Autonomous)
Tirupattur (Vellore District) – 635 601
Department of Biochemistry



RESEARCH FORUM - ANNUAL PLAN 2021 – 2022

President

Dr.K.Prabu

Assistant Professor

Secretary

Miss S.Gopika

II M.Sc Biochemistry

Joint Secretary

Miss B. Logeshwari

III B.Sc Biochemistry

NAME LISTS OF STUDENT- RESEARCH FORUM

| S.NO | REG.NO | NAME OF THE STUDENT | CLASS |
|------|----------|---------------------|-----------------------|
| 1. | BU200915 | SELVAM J | II B.Sc Biochemistry |
| 2. | BU200907 | BARATHAN B | II B.Sc Biochemistry |
| 3. | BU200932 | THANGARAJ S | II B.Sc Biochemistry |
| 4. | BU200942 | TAMILSELVAN P | II B.Sc Biochemistry |
| 5. | BU200906 | NITHYASRI R | II B.Sc Biochemistry |
| 6. | BU200924 | RAJALASHMI R | II B.Sc Biochemistry |
| 7. | BU200937 | JANANI M | II B.Sc Biochemistry |
| 8. | BU190914 | G. GOPI | III B.Sc Biochemistry |
| 9. | BU190917 | G. SUPRAJA | III B.Sc Biochemistry |
| 10. | BU190922 | B. LOGESHWARI | III B.Sc Biochemistry |
| 11. | BU190935 | TEMBO RACHEAL | III B.Sc Biochemistry |
| 12. | BU190951 | S. VIDHYA | III B.Sc Biochemistry |
| 13. | BP210901 | BUVANESHWARAN A | I M.Sc Biochemistry |
| 14. | BP210902 | JUMAIL AHAMED R | I M.Sc Biochemistry |
| 15. | BP210903 | ARUNKUMAR A | I M.Sc Biochemistry |

NAME LISTS OF STUDENT- RESEARCH FORUM

| S.NO | REG.NO | NAME OF THE STUDENT | CLASS |
|------|----------|---------------------|----------------------|
| 16. | BP210904 | SRIDEVI C | I M.Sc Biochemistry |
| 17. | BP210905 | SURYA G | I M.Sc Biochemistry |
| 18. | BP210906 | KARTHICK J | I M.Sc Biochemistry |
| 19. | BP210907 | PRASANTH P | I M.Sc Biochemistry |
| 20. | BP210908 | KARMUGIL S | I M.Sc Biochemistry |
| 21. | BP210909 | GOWTHAM S K | I M.Sc Biochemistry |
| 22. | BP210910 | SHYAM CHANDAR B | I M.Sc Biochemistry |
| 23. | BP210911 | LOKESH D | I M.Sc Biochemistry |
| 24. | BP210912 | RAMYABHARTHI V | I M.Sc Biochemistry |
| 25. | BP210913 | KARUNAGARAN V | I M.Sc Biochemistry |
| 26. | BP210914 | SIVA SELVA KUMAR S | I M.Sc Biochemistry |
| 27. | BP210915 | GOPINATH P | I M.Sc Biochemistry |
| 28. | BP200901 | KIRUTHIGA M | II M.Sc Biochemistry |
| 29. | BP200902 | ASHWINI E | II M.Sc Biochemistry |
| 30. | BP200903 | DIVYALAKSHMI V | II M.Sc Biochemistry |

NAME LISTS OF STUDENT- RESEARCH FORUM

| S.NO | REG.NO | NAME OF THE STUDENT | CLASS |
|------|----------|---------------------|----------------------|
| 31. | BP200904 | RESHMA J | II M.Sc Biochemistry |
| 32. | BP200905 | GOPIKA S | II M.Sc Biochemistry |
| 33. | BP200906 | REEVA R | II M.Sc Biochemistry |
| 34. | BP200907 | SABARI S | II M.Sc Biochemistry |
| 35. | BP200908 | BHUVANESWARI R | II M.Sc Biochemistry |
| 36. | BP200909 | RAGHUL M | II M.Sc Biochemistry |

ANNUAL PLAN 2021 - 2022

| S.NO | MONTH | LIST OF PROGRAMME |
|------|----------------|-----------------------------------------------------------------------------|
| 1. | September 2021 | Inauguration of research forum students |
| 2. | September 2021 | Introduction about Research |
| 3. | September 2021 | Awareness Programme about the various funding agencies in India. |
| 4. | October 2021 | Guest Lecture on “ How to write a Research Paper”. |
| 5. | October 2021 | Awareness Programme about the Competitive Exams- CSIR/ICMR/DBT-JRF |
| 6. | October 2021 | Awareness Programme about Online Certificate Course |
| 7. | November 2021 | Special lecture on Patents & Patenting in the Life Sciences |
| 8. | November 2021 | Lecture on “ How to Publish Paper in Scientific Journal”. |
| 9. | January 2022 | Importance of Instrumentation knowledge for Biochemist – A Special Lecture. |
| 10. | January 2022 | Awareness Programme about Blood and EYE donation |
| 11. | February 2022 | How to develop Entrepreneur ship development Skill |
| 12. | February 2022 | Research oriented presentation for students |
| 13. | March 2022 | Awareness Programme about Social media |

SACRED HEART COLLEGE
RESEARCH FORUM
DEPARTMENT OF CHEMISTRY (SHIFT 1)
ANNUAL PLAN (2021-2022)

Dated: 06.09.2021

| S. No | Event | Schedule |
|--------------|------------------------------------------------------------------|------------------------------|
| 1 | Webinar on "Research Methodology" | September 2021 |
| 2. | Seminar by Research Scholars of different science departments | October – December 2021 |
| 3. | Participation in Webinar/Seminar conducted by other institutions | As scheduled |
| 4. | Mini Project | October 2021 – February 2022 |
| 5. | Quiz on advanced topics | October 2021 – February 2022 |
| 6. | Preparation for JAM (Joint Admission for M.Sc in IITs) | October 2021 – February 2022 |
| 7. | Student Seminar on "Advanced Topics related to Chemistry" | October 2021 – February 2022 |

| B.Sc (Chemistry) | Name of the Student |
|-----------------------------|----------------------------|
| III B.Sc (Chemistry) | |
| AU190401 | PURUSHOTHAMAN.A |
| AU190403 | NAMBI P |
| AU190405 | SRIVITHYA S |
| AU190409 | DEEPAK R |
| AU190416 | SATHYAMOORTHY.T |
| AU190418 | POOVIZHI G |
| AU190421 | NISHANTHI. R |
| AU190452 | THARUN V |
| II B.Sc (Chemistry) | |
| AU200402 | SANJAY J |
| AU200405 | THARANIDEVI N |
| AU200408 | V.SANGEETHA |
| AU200411 | MOHANA PRIYA C |
| AU200418 | ASHOK VASANTHARAJ.P |
| AU200419 | HARICA SREE R |
| AU200421 | ASWINI S |
| AU200423 | MAHALAKSHMI K |
| AU200425 | GANGADEVI S |

| | |
|----------|--------------|
| AU200431 | SWETHA S |
| AU200432 | REENISHA S |
| AU200434 | M. PREETHI |
| AU200439 | THIRUMALAI.C |
| AU200442 | VISHNU L |
| AU200444 | JOTHIKA S |

Research Forum

Department of Chemistry
Sacred Heart College (Autonomous)
2021-2022

| S.No | Date | Details about the event | Remarks |
|-------------|-------------|------------------------------------------------|---------------------------------------|
| 1 | 02/11/2021 | Introduction to Nano (NPTEL) | 20 students participated in the event |
| 2 | 02/11/2021 | KSCSTE Webinar on Nobel Prize Chemistry (2021) | 22 students participated in the event |

Research Forum- PG Department of Computer Science 2021-22

Coordinator: Name/Mobile no(WhatsApp. no.)/email

Mr. S. John Bosco, 87540 55807, johnbosco@shcpt.edu

Student Member List:

Class: M.Sc., Computer Science

| SI. No. | Name | Register number |
|----------------|----------------|------------------------|
| 1 | MD IRFAN H | BP200501 |
| 2 | GOPAL N | BP200503 |
| 3 | SARVINO S | BP200504 |
| 4 | SURENDHAR J | BP200511 |
| 5 | SANTHOSH D | BP200512 |
| 6 | YUVAN SANKAR P | BP2005013 |

**Research Forum- PG Department of Computer Science
2021-22**

Annual Plan 2021-2022

| SI. No. | Title of the Program | Date |
|----------------|-----------------------------|-------------|
| 1 | RESEARCH AREAS IN IoT | 8/09/2021 |
| 2 | CLOUD APPLICATIONS | 05/10/2021 |
| 3 | MOBILE APPLICATIONS | 20/10/2021 |
| 4 | STUDENT PROJECTS DESIGNING | 10/11/2021 |
| 5 | VIDEO CONTENT CREATIONS | 08/01/2022 |

SACRED HEART COLLEGE, DEPARTMENT OF MATHEMATICS

RESEARCH FORUM ANNUAL PLAN - 2021 – 2022

President: Dr. S. Kalaiarasi

Secretary: A. Nancy Navotana , II M.Sc., Mathematics

Joint Secretary: V. Vishnu., III B. Sc Mathematics

| Date | Events |
|---------------------------------|---------------------------------------------------------------------------------------------------------|
| 28 th September 2021 | Invited Talk Resource person: Dr. Silviya , Assistant professor., |
| 18 th October 2021 | Invited talk Resource person: S. Sathiya, Assistant professor, Vooreesh College, Vellore . |
| 29 th October 2021 | Film Screening |
| 12 th November 2021 | Invited Talk |
| 24 th January 2022 | In-house Lecture – I |
| February 2022 | Invited Talk |
| February 2022 | In-house Lecture – II |
| March 2022 | Invited Talk |

Research Forum

Department: Mathematics

Shift-I: 2021-22

Coordinator: Dr. S .KALAIARASI

Email: kalaiarasi@shcpt.edu

Cell : 9944811775

STUDENT MEMBER LIST:

Class: II PG MATHEMATICS

| S.NO | NAME OF THE STUDENT | REGISTER NUMBER |
|------|------------------------|-----------------|
| 1 | W.Gabriel Thomas | AP200203 |
| 2 | S.Shylla | AP200205 |
| 3 | A.Nancy Navolana | AP200208 |
| 4 | D.Yamuna | AP200209 |
| 5 | D.Pavithra | AP200211 |
| 6 | V.Mahendran | AP200218 |
| 7 | I.C.Glemming Bebeto | AP200220 |
| 8 | A.Abishek | AP200228 |
| 9 | P.Indhumathi | AP200235 |
| 10 | D.Dolphin Lydia Jovita | AP200236 |
| 11 | M.Vignesh | AP200237 |
| 12 | V.Abirami | AP200238 |

Class: I PG MATHEMATICS

| S.NO | NAME OF THE STUDENT | REGISTER NUMBER |
|------|---------------------|-----------------|
| 1 | A.Manikandan | AP210201 |
| 2 | Sherley Vanisha | AP210202 |
| 3 | S.Ragavi | AP210203 |
| 4 | Naveen Kumar | AP210204 |
| 5 | V.Jeniper | AP210205 |
| 6 | L.Pricilla Rina | AP210206 |
| 7 | R.Elavarasan | AP210207 |
| 8 | D.Don Richard | AP210209 |
| 9 | N.Mayuri Nakum | AP210210 |

| | | |
|-----------|------------------------------|-----------------|
| 10 | Sweeton Christofer. K | AP210212 |
| 11 | M.Anbumani | AP210215 |
| 12 | Naveen Kumar. S | AP210221 |
| 13 | R.Risley Sam | AP210222 |
| 14 | D.Sagayaraj | AP210224 |
| 15 | P.Ajith | AP210230 |
| 16 | S.Gokul | AP210231 |
| 17 | C.Kishore | AP210233 |
| 18 | Charles Xavio | AP210234 |
| 19 | Banupriya.S | AP210237 |
| 20 | Daniel Praveen Raj.K | AP210238 |
| 21 | S.Vinothini | AP210239 |

Class: III UG MATHEMATICS

| S.NO | NAME OF THE STUDENT | REGISTER NUMBER |
|-------------|----------------------------|------------------------|
| 1 | B.Abijah | AU190204 |
| 2 | V.Mohana Priya | AU190205 |
| 3 | S.Delvish | AU190206 |
| 4 | S.T.Tamil Selvi | AU190208 |
| 5 | P.Lishidharshini | AU190211 |
| 6 | S.Monisha | AU190213 |
| 7 | B.Lokesh | AU190217 |
| 8 | Mathivadhani | AU190218 |
| 9 | N.Ram Prasath | AU190219 |
| 10 | S.Dinesh | AU190235 |
| 11 | R.K.Anbarasu | AU190236 |
| 12 | S.Dinesh | AU190241 |
| 13 | C.Jasmin Shirley | AU190253 |
| 14 | V.Vishnu | AU190262 |
| 15 | S.Rithika | AU190263 |
| 16 | A.Princy Jenifer | AU190265 |
| 17 | Kaviya | AU190266 |
| 18 | B.Vedhachalam | AU190269 |
| 19 | P.Radhakrishnan | AU190272 |

Class: II UG MATHEMATICS

| S.NO | NAME OF THE STUDENT | REGISTER NO. |
|-------------|----------------------------|---------------------|
| 1 | R.Pavithra Banu | AU200203 |
| 2 | K.Manikandan | AU200210 |
| 3 | N.Sangavi | AU200230 |
| 4 | M.Musharaf Ali | AU200235 |
| 5 | C.Nandhavel | AU200237 |
| 6 | A.Sofiya | AU200253 |
| 7 | G.Saleth Priscilla | AU200259 |

P.G and Research Department of Mathematics

SHIFT I

Sacred Heart College (Autonomous) Tirupattur,

Tirupattur Dt

RESEARCH FORUM REPORT 2021-22

| Sl. No | Date & Time | Title | Resource Person |
|---------------|----------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 30.09.2021 Time :2.30 pm to 3.30 pm | Applications of Mathematics in Different Fields | Dr. F.Silviya, Assistant Professor of Mathematics, Sacred Heart College (Autonomous), Tirupattur. |
| 2 | 08.10.2021 Time :2.30 pm to 3.30 pm | Applications of Graph Theory | V.REXMA SHERINE., Ph.D., Research Scholar, PG and Research department of Mathematics, Sacred Heart College (Autonomous),Tirupattur. |
| 3 | 29.10.2021 Time :2.30 pm to 3.30 pm | Applications of Eigen values and Eigen vectors in Engineering Field | Mr.B.Arulselvam, Assistant Professor, Department of Science and Humanities, Loyola- ICAM College of Engineering and Technology,(LICET),Chennai. |
| 4 | 29.03.2022 Time :2.30 pm to 3.30 pm | Mathematical Modelling | Dr. N. Nithyapriya, Assistant Professor of Mathematics, D.K.M College for Women (Autonomous) , Vellore-1 |

Report of Research Forum Webinar on
Applications of Mathematics in Different Fields (Dept.ofMaths)

Date : **30.09.2021**
Time : **2.30 pm to 3.30 pm**
Resource Person : **Dr. F.Silviya**, Assistant Professor of Mathematics, Sacred Heart College (Autonomous), Tirupattur.
Title : **Applications of Mathematics in Different Fields**
Mode : **Online - Google Meet**

The Webinar was started with Prayer service conducted by A.Nancy Navotana from II M.Sc Mathematics. Dr. S. Kalaiarasi, Dept. of Mathematics, welcomed the gathering and introduced the resource person Dr. F. Silviya, Assistant Professor of Mathematics, Sacred Heart College ,(Autonomous), Tirupattur. for the webinar on **Applications of Mathematics in Different Fields.**

Dr. F. Silviya started the session with brief introduction of Sets, Relations, Functions and De'Morgans Applications. She also explained about some interesting facts on multiples of Number three.

Applications of Mathematics in Astronomy and Rocket Launching Analysis, which she explained was very interesting and useful to all the Research Forum Students of Mathematics Department - Shift I . After the resource person's talk, the webinar was concluded with the vote of thanks given by D.Dolphin Lydia Jovita, II M.Sc Mathematics.

SACRED HEART COLLEGE (AUTONOMOUS) TIRUPATTUR

DEPARTMENT OF MATHEMATICS (Shift-II)

Report of Research Forum Activities (2021-22)

Research Forum Activities

| S. No | Date | Activities |
|-------|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | 02.06.2021 | Participation webinar on “ R for Beginners ” organized by the PG and Research Department of Mathematics, K.S.R College of Arts and Science for Women, Tiruchengode, Namakkal(Dt), Tamil Nadu. |
| 2 | 23.06.2021 | Participation One day National webinar on “ Basic Concepts of Mathematics ” organized by the PG and Research Department of Mathematics, Padmavani Arts and Science for Women, Salem(Opp. to Periyar University) – 636 011. |
| 3 | 24.07.2021 | Student seminar on ‘ Application of Mathematics ’. |
| 4 | 01.08.2021 | Special lecture on “ Algebraic Structure on Number Systems ” by Dr. G. Britto Antony Xavier , Associate Professor, Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur. |
| 5 | 29.09.2021 | Participation webinar on “ Computational with MATLAB ” organized by the PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur. |
| 6 | 26.11.2021 | Invited talk on “ Introduction to Fractional Differential Equation ” by Dr. V. Sadhasivam , Associate Professor and Head, Department of Mathematics, Thiruvalluvar Govt. Arts and Science College, Rasipuram. |
| 7 | 06.12.2021 | Participation webinar on “ UGC CSIR Exams Session 1 - Analysis ” by Dr. J. Maria Joseph , Assistant Professor, Department of Mathematics, St. Joseph’s College, Trichy. |
| 8 | 08.12.2021 | Participation webinar on “ Lecture Series in Mathematics – Optimization Algorithms ” organized by the Department of Mathematics For Excellence, Saveetha School of Engineering, SIMATS, Chennai. |
| 9 | 15.12.2021 to 16.12.2021 | Participation two days webinar on “ Problem Based Training Workshop on LATEX Scientific Documentation ” organized by the MathTech Thinking Foundation (MTTF), India. |

| | | |
|----|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10 | 17.01.2022 | Participation webinar on “ Career Opportunities in Mathematics ” organized by the PG and Research Department of Mathematics, Sacred Heart College (Autonomous), Tirupattur. |
| 11 | 04.03.2022 | A webinar on ‘ Graph Theory – Introduction and some Applications ’ by Dr. Somnath Paul , Assistant Professor, Department of Applied Sciences, Tezpur University, Nappam, Sonitpur, Assam was the resource person. |
| 12 | 09.04.2022 | Invited talk on ‘ Modeling Insights into COVID-19 Pandemic ’ by Dr. M. Pitchamani , Associate Professor and Director, Ramanujan Institute for Advanced Study in Mathematics, University of Madras, Chepauk, Chennai. |



Sacred Heart College, Tirupattur 635 601.

PG & Research Department of Physics (Shift- I)

Research Forum

Secretary : Selvakumar. S (AU190347)
Joint Secretary : Magdalene Monica. R (AU200351)

III B.Sc. Physics:

| S.No. | Reg. No. | Name of students |
|--------------|-----------------|-------------------------|
| 1 | AU190303 | Esther Baveena. R |
| 2 | AU190305 | Gopika. K |
| 3 | AU190311 | Deepika. D |
| 4 | AU190314 | Surya. M |
| 5 | AU190315 | Bruce Thinakaran. R |
| 6 | AU190318 | Arthi. R |
| 7 | AU190321 | Nithin. M |
| 8 | AU190325 | Imaculate. J |
| 9 | AU190326 | Kishore. M |
| 10 | AU190327 | Edwin Joy. K |
| 11 | AU190338 | Sneha. V |
| 12 | AU190344 | Monisha. V |
| 13 | AU190347 | Selvakumar. S |
| 14 | AU190352 | Rahul. D |

II B.Sc. Physics:

| S.No. | Reg. No. | Name of students |
|--------------|-----------------|-------------------------|
| 1. | AU200303 | Swetha. R |
| 2 | AU200305 | Samyuktha.S A |
| 3 | AU200306 | Prince Manasseh.D |
| 4 | AU200309 | Hepzhibah Martina. M |
| 5 | AU200311 | Brinsha Sherine.B |
| 6 | AU200312 | Lavanya. M. G |
| 7 | AU200313 | Amreen Thabasum. R |
| 8 | AU200317 | Shiny |
| 9 | AU200320 | Priyadharshini. S |
| 10 | AU200324 | Isaac Brotherton |
| 11 | AU200326 | Ashok Maria Antony. A |
| 12 | AU200329 | Ezhumalai. V |
| 13 | AU200333 | Shrinath. V |
| 14 | AU200338 | Sowmya Lakshmi. H |
| 15 | AU200351 | Magdalene Monica. R |

Sacred Heart College (Autonomous)

Research Forum (2021-22)

PG and Research Department of Physics (Shift-I)

Consolidated Report

The research forum students in the PG and research department of Physics (Shift-I), Sacred Heart College (Autonomous) were given exposure to different research programs during the year 2021-2022. About eleven programs were conducted during the academic year 21-22. All students participated in various programmes such as lectures, students' seminars, and paper presentation competitions. The first research forum program was based on motivating the research forum students towards novel research and the session was handled by the research forum staff in-charge Dr. A. Dhayal Raj on 28th October 2021. A clear picture about the topic was provided to the students and the importance of research in the society was pointed out. It was an eye-opening session for students who don't have an insight about research. On 11th November 2021 the research forum students attended a talk on "Ultrafast Laser interference patterning" by Mr. Thirunavukkarasu a Junior research fellow and a research scholar at IIT Delhi. On 16th November 2021, an alumni interaction was arranged for the students with Mr. Deepan Jayakumar who is currently studying in VIT, Vellore. The students of research forum interacted with him freely and gained knowledge about applying for higher studies and research facilities available at VIT, Vellore.

On 24th February 2022, Prof. G. Jayakumar, Assistant professor of Physics, Sacred Heart College, presented the inputs on literature survey and its importance to the research forum students. This session made the students to understand the importance of collecting reprints and doing a thorough literature survey. Mr. Rahul, a Ph.D scholar in Physics, presented inputs on power point presentation to the students on 25th February 2022. The students learned a lot and clarified many doubts. The research forum students were encouraged to prepare and give seminars which may help them to present in conferences without fear in near future. The student's seminars were conducted on 17th and 24th March 2022.

On 18th March 2022, the research forum students learned about poster presentations from Mr. Dominic Savio who is pursuing Ph.D. in the PG and Research Department of Physics. The students participated interactively and gained knowledge about preparing posters and presenting them meaningfully. On the same day, Dr. A. Dhayal Raj gave inputs regarding funding agencies, importance of receiving fundings and how to apply for projects. The research forum students got benefited. Dr. A. Dhayal Raj shared his research experience and his visit to Singapore and Canada among the research forum students on 25th march 2022 to inculcate research interest among them and motivating them to pursue research.



HoD of Physics
(Dr. A. Albert Irudayaraj)



Staff In-charge
(Dr. A. Dhayal Raj)

Sacred Heart College (Autonomous)

Research Forum (2020-21)

PG and Research Department of Physics (Shift-I)

Activities conducted during the year (2020-2021)

| S.No. | Programme | Date |
|-------|-------------------------------------------------|------------|
| 1. | Motivating the students towards research | 28-10-2021 |
| 2. | Talk on Ultrafast Laser interference patterning | 11-11-2021 |
| 3. | Alumni interaction | 16-11-2021 |
| 4. | Session on Literature Survey | 24-02-2022 |
| 5. | Session on the power point presentation | 25-02-2022 |
| 6. | Student's seminar | 17-03-2022 |
| 7. | Discussion on paper presentation competitions | 17-03-2022 |
| 8. | Session on the poster presentation | 18-03-2022 |
| 9. | Project Fundings and how to apply projects | 18-03-2022 |
| 10. | Student's seminar | 24-03-2022 |
| 11. | Sharing of research Experience | 25-03-2022 |



HoD of Physics
(Dr. A. Albert Irudayaraj)



Staff In-charge
(Dr. A. Dhayal Raj)

Research Forum activities 2021-22

Motivational speech towards Research on 28-10-2021 by Dr. A. Dhayal Raj



Albert

HoD of Physics
(Dr. A. Albert Irudayaraj)

A. Dhayal Raj

Staff In-charge
(Dr. A. Dhayal Raj)

**Talk on “Ultrafast Laser interference patterning” by Mr. Thirunavukkarasu on
11-11-2021**



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. A. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

Alumni Interaction with Mr. Deepan on 16-11-2021



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

Session on literature survey on 24-02-2022 by Prof. G. Jayakumar.



Albert

HoD of Physics
(Dr. A. Albert Irudayaraj)

Dr. A. Dhayal Raj

Staff In-charge
(Dr. A. Dhayal Raj)

Session on the poster presentation (18-03-2022) – Mr. Dominic Savio



Albert

HoD of Physics
(Dr. A. Albert Irudayaraj)

Dr. A. Dhayal Raj

Staff In-charge
(Dr. A. Dhayal Raj)

Students seminar on 17-03-2022

Presentation on “ X-Ray Machine” by Mr. Isaac Brotherton



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. A. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

“Discussion on paper presentation competition” on 17-03-2022 by Dr. A. Dhayal Raj



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. A. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

Session on the power point presentation (18-03-2022)- by Mr. Rahul



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. A. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

Students seminar (24-03-2022)

Presentation on “ Wireless Charging” by Mr. Raghul



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. A. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

Sharing of research Experience (25-03-2022) – Dr. A. Dhayal Raj



Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

A. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**

Project Fundings and how to apply projects (18-03-2022) – Dr. A. Dhayal Raj

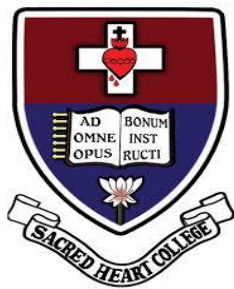


Albert

**HoD of Physics
(Dr. A. Albert Irudayaraj)**

Dr. Dhayal Raj

**Staff In-charge
(Dr. A. Dhayal Raj)**



PG and Research Department of Physics
Sacred Heart College (Autonomous)



Tirupattur – 635601

PG Physics (Shift - II)
Research Forum Report – 2021-22

“Research is seeing what everybody else has seen and thinking what nobody else has thought.” - Albert Szent-Györgyi

The Faculties from Department of Physics constantly taking effort to ensure/motivate the young minds towards teaching and research. During this academic year 2021-22, to communicate, initially we have created a whatsapp group for this academic year with student representatives. During the month of August students was connected virtually and to get an exposure on various funding/fellowship opportunities for higher studies. In this regard, our own Alumni Mr. James Abraham, Research Scholar, University of Texas, interacted with the students and shared his experience. It was a meaningful and highly interactive. During September 2021, students were asked to write a essay on different scientific topics and there are five students actively participated and shared their essays with our research forum members. On 21st December 2021, Dr.K. Srinivasan, Professor and Dean (faculty of Science), Department of Physics, Bharathiyar University, Coimbatore, Tamil Nadu, India. An informative talk was delivered by the resource person on the topic of higher education opportunities (HOPE) for science students. On December 4th, 2022 the hands on training programme on origin software was organised. Our 2nd M.Sc students were actively took part and learnt about graph plotting and XRD diffraction analysis. Our students learned FTIR analysis and plotting of graph using ORIGIN tool. On 11th April 2022, students gathered and discussed about upcoming events like seminar and series of Quiz which will be completed before the end of April.



துய நெஞ்சக் கல்லூரி (தன்னாட்சி)

NAAC (4th Cycle – under RAF) with CGPA of 3.31/4 at 'A+' Grade

திருப்பத்தூர் மாவட்டம் - 635 601
தமிழ் முதுகலை & ஆய்வுத்துறை
ஆய்வுமன்றம் (Research forum)



2021 – 2022 ஆம் கல்வி ஆண்டு செயல் திட்டம் &
மன்ற உறுப்பினர்கள் பட்டியல்

ஆய்வு மன்ற ஒருங்கிணைப்பாளர் : முனைவர் ஆ. சந்திரன்

ஆய்வு மன்றச் செயலாளர் : BP200801-சதிஷ். சி II முதுகலைத் தமிழ்

இணைச் செயலாளர் : கா. அன்பரசு I முதுகலைத் தமிழ்

காலாண்டிதழ் பொறுப்பாளர்கள் : க.சௌமிய நாராயணி I முதுகலைத் தமிழ்

B. ஸ்ரீராம் I முதுகலைத் தமிழ்)

இலக்குகள்

2021-22 ஆம் கல்வி ஆண்டின் தமிழ் முதுகலை & ஆய்வுத்துறை ஆய்வுமன்றச் செயல்பாடுகள்
பின்வரும் இலக்குகளைக் கொண்டதாக அமையும்.

- மாணவர்களின் வாசிப்புத்திறனையும் ஆய்வுத் திறனையும் வளர்த்தல்.
- புதிய ஆய்வுச் சிந்தனைகளை அறியச் செய்தல்.
- தொல்லியல், கல்வெட்டுத் தொடர்பாக அறிவுப் புலத்தை விரிவடையச் செய்தல்.
- நாட்டுப்புற ஆய்வியல் துறை சார்ந்த அறிவை வளர்த்தல்.
- மாணவர்களின் ஆய்வு சார்ந்த விவாத, கலந்துரையாடல் திறனை மேம்படுத்துதல்.
- கருத்தரங்கங்கள், பயிலரங்கங்களில் கங்கெடுக்க வைத்தல்.
- ஆய்வுக்கட்டுரைகள் எழுத பயிற்சியளித்தல்.

ஆய்வு மன்றச் செயல் திட்டம் - 2020 - 21

| வ.எண் | செயல்பாடுகள் | நாள் | பொறுப்பு |
|-------|------------------------------------------------------------------------------------|-----------------------|---------------------------------|
| 1 | உறுப்பினர்த் தேர்வு மற்றும் ஆய்வு முறைகளைப் பற்றி அறிமுகம் செய்தல் | 09-08-2021 | முனைவர் ஆ. சந்திரன் |
| 2 | மாணவர்களிடையே ஆய்வு குறித்த கலந்துரையாடல் | பிரதி மாதம் ஒரு நாள் | முனைவர் ஆ. சந்திரன் |
| 3 | நவீன இலக்கிய அறிமுகக் கூட்டம் நடத்துதல் | பிரதி மாதம் | முனைவர் ஆ. சந்திரன் |
| 4 | இலக்கியம், இலக்கணம் நோக்கிய ஆய்வு குறித்து சிறப்பு விருந்தினரை அழைத்து உரையாடுதல் | பிரதி மாதம் ஒருவர் | முனைவர் ஆ. சந்திரன் |
| 5 | ஆய்வுக் கட்டுரை எழுதுதல், வாசித்தல், விமர்சனம் செய்தல் | பிரதி மாதம் ஒரு நாள் | மாணவர்கள் |
| 6 | காலாண்டு ஆய்விதழ் வெளியிடல் | செப், டிசம், மார்ச். | முனைவர் ஆ. சந்திரன் & மாணவர்கள் |
| 7 | மாணவர்களின் ஆய்வுக்கட்டுரைகள், காலாண்டிதழில் வெளியான கட்டுரைகள் குறித்த விவாதங்கள் | காலாண்டிற்கு ஒரு முறை | மாணவர்கள் |
| 8 | கல்லூரிகளுக்கிடையிலான தேசிய கருத்தரங்கம் நடத்துதல் (முதுகலை மாணவர்களுக்கு மட்டும்) | பருவத்திற்கு ஒன்று | முனைவர் ஆ. சந்திரன் & மாணவர்கள் |
| 9 | வெளிக்கல்லூரிகளில் நடைபெறும் கருத்தரங்குகளில் பங்குபெறச் செய்தல் | பருவத்திற்கு இரண்டு | மாணவர்கள் |
| | | | |

Class: II MA Tamil

| S. No. | Name | Register number |
|--------|----------------------|-----------------|
| 1 | S. Sathish | BP200801 |
| 2 | K. Anbarasan | BP200802 |
| 3 | S. Jafar | BP200803 |
| 4 | B. Sriram | BP200804 |
| 5 | K. Sowmiya narayani | BP200805 |
| 6 | V. Senthamizh selvan | BP200806 |
| 7 | N. Karthick | BP200807 |
| 8 | C. Vaishnavi | BP200808 |
| 9 | A. Thenmozhi | BP200809 |
| 10 | Jeevan | BP2008010 |

Class: II MA Tamil

| S.No | Name | Register number |
|------|------------------|-----------------|
| 11 | DINAKARAN M | BP210801 |
| 12 | KALAIVANI G | BP210802 |
| 13 | BHUVANENDIRAN R | BP210803 |
| 14 | NANDHAKUMAR E | BP210804 |
| 15 | POVIYARASI P | BP210805 |
| 16 | JAYASURIYA M | BP210806 |
| 17 | JASHWANTHRAGUL B | BP210807 |
| 18 | VIJAY P | BP210808 |
| 19 | ISHWARIYA M | BP210809 |
| 20 | CHRISTOPHER D | BP210810 |
| 21 | TAMIL SELVAN R | BP210811 |

Class: III BA Tamil

| Sl. No. | Name | Register number |
|---------|-----------------|-----------------|
| 22 | T.Poovizhi | BU190817 |
| 23 | A .Deepika | BU190828 |
| 24 | N. Perithika | BU190813 |
| 25 | P.Banupriya | BU190842 |
| 26 | S. Bharathkumar | BU190847 |



தூய நெஞ்சக் கல்லூரி (தன்னாட்சி)
NAAC (4th Cycle - under RAF) with CGPA of 3.31/4 at 'A+' Grade
திருப்பத்தூர் மாவட்டம் - 635 601
தமிழ் முதுகலை & ஆய்வுத்துறை
ஆய்வுமன்றம் (Research forum)



2021 – 2022 ஆம் கல்வி ஆண்டு

ஆய்வு மன்ற ஒருங்கிணைப்பாளர் : முனைவர் ஆ. சந்திரன்

ஆய்வு மன்றச் செயலாளர் : க. அன்பரசன் II முதுகலைத் தமிழ்

இணைச் செயலாளர் : இ. நந்தகுமார் I முதுகலைத் தமிழ்

2021-2022 ஆம் கல்வி ஆண்டின் தமிழ் முதுகலை & ஆய்வுத்துறை

ஆய்வுமன்றச் செயல்பாடுகள்

நிகழ்வு 1

நிகழ்வு 1 – 21.08.2021 அன்று மாலை 6 – 7 வரை இணைய வழியில் (google meet) நடைப்பெற்றது. பத்துப்பாட்டு அமைப்பு முறை என்றத் தலைப்பில் முனைவர். ஆ. சந்திரன் உரையாற்றினார்.



21.08.2021
சனிக்கிழமை
மாலை 6 - 7

தாய நெஞ்சக் கல்லூரி (தன்னாட்சி)
AAC (4th Cycle – under RAF) with CGPA of 3.31/4 at 'A+' Grade
திருப்பத்தூர் மாவட்டம் - 635 601
தமிழ் முதுகலை & ஆய்வுத்துறை
ஆய்வுமன்றம் (Research forum)



ஆய்வுமன்ற (Research forum)
இணையவழிக் கருத்தரங்கம்

பத்துப்பாட்டு அமைப்பு முறை

தலைமை
முனைவர் கே. ஏ. மரிய ஆனந்தியாந்த் ச.ச.
கூடுதல் முதல்வர் (பி - II)

முனைவர் ஜாதிபொய்ச்சில் ஆனந்த் ச.ச.
துணை முதல்வர் (பி - II)

முன்னிலை உரை
முனைவர் பி. பாலகண்பிரமணியன்
தமிழ்த்துறைத் தலைவர் - (பிரிவு - II)

அறிமுக உரை
வி. சந்திரன்
11 முதுகலைத் தமிழ்

நன்றியுரை
சா. துரை
11 முதுகலைத் தமிழ்

நிகழ்ச்சிக்கொருப்பு
ஆ. செளமியநாராயணி
11 முதுகலைத் தமிழ்



முனைவர் ஆ.சந்திரன்
தமிழ்த்துறை உதவிப் பேராசிரியர்
தாயநெஞ்சக் கல்லூரி (தன்னாட்சி)
திருப்பத்தூர் மாவட்டம்

Google
நிகழ்வு google meet
செயலி வழி நடைபெறும்.

நிகழ்ச்சி ஒருங்கிணைப்பு: முதுகலைத் தமிழ்

நிகழ்வு 2

நிகழ்வு 2 – 28.08.2021 அன்று மாலை 6 – 7 வரை இணைய வழியில் (google meet) நடைபெற்றது. எடுத்துரைப்பியல் நோக்கில் பத்துப்பாட்டு என்றத் தலைப்பில் முனைவர். கி. சிவா உரையாற்றினார்.



28.08.2021
சனிக்கிழமை
மாலை 6 - 7

துய நெஞ்சக் கல்லூரி (தன்னாட்சி)
NAAC (4th Cycle - under RAF) with CGPA of 3.31/4
at 'A+' Grade

திருப்பத்தூர் மாவட்டம் - 635 601
தமிழ் முதுகலை & ஆய்வுத்துறை
ஆய்வுமன்றம் (Research forum)



ஆய்வுமன்ற (Research forum)
இணையவழிக் கருத்தரங்கம்

எடுத்துரைப்பியல் நோக்கில் பத்துப்பாட்டு

தலைமை உரை
முனைவர் பி. பாலசுப்பிரமணியன்
தமிழ்த்துறைத் தலைவர் - (பிரிவு - II)

சிறப்பு விருந்தினர்
அறிமுகம்
ஆ. சந்திரன்
முதுகலைத்தமிழ் II

நன்றியுரை
த. பூனிழி
இளங்கலைத் தமிழ் III

நிகழ்ச்சித்தொகுப்பு
சி. சம்பந்தன்
முதுகலைத்தமிழ் II



முனைவர் கி.சிவா, உதவிப் பேராசிரியர்,
தமிழ்த்துறை, காந்தி கிராமிய
நிகர்நிலைப் பல்கலைக்கழகம்,
திண்டுக்கல் - 624302

நிகழ்ச்சி ஒருங்கிணைப்பு
முனைவர் ஆ. சந்திரன் ஆய்வுமன்றத் தலைவர்

 Google
நிகழ்வு google meet
செயலி வழி
நடைபெறும்.

நிகழ்வு 3

நிகழ்வு 3 – 18.03.2022 அன்று காலை 10 – 12.30 வரை தியானக்கூடம் (OASIS) அரங்கில் நடைபெற்றது. ஊர்ப்பெயர் ஆய்வு நோக்கும் போக்கும் என்றத் தலைப்பில் முனைவர். கோ. சீனிவாசன் உரையாற்றினார்.



தூய நெஞ்சக் கல்லூரி (தன்னாட்சி)
NAAC (4th Cycle – under RAF) with CGPA of 3.31/4 at 'A+' Grade
திருப்பத்தூர் மாவட்டம் - 635 601
தமிழ் முதுகலை & ஆய்வுத்துறை



18.03.2022
வெள்ளிக்கிழமை
காலை 10.00 - 12.00

முதுகலை மன்றம் & ஆய்வு மன்றம்
நிகழ்வு - 3

தலைமை உரை
முனைவர் பி.பாலசுப்பிரமணியன்
தமிழ்த்துறைத் தலைவர் - (பிரிவு - II)

வரவேற்புரை : சை. ஜாபர் II முதுகலைத்தமிழ்
அறிமுகவுரை : க. அன்பரசன் II முதுகலைத்தமிழ்

தலைப்பு : ஊர்ப்பெயர் ஆய்வு – நோக்கும் போக்கும்

உரையாளர் : முனைவர். கோ. சீனிவாசன்
கௌரவ விரிவுரையாளர்
தமிழ்த்துறை
அரசு ஆடவர் கலை மற்றும் அறிவியல் கல்லூரி, கிருஷ்ணகிரி 635 001.

நன்றியுரை : த. பூவிழி
III இளங்கலைத்தமிழ்

இடம் : தியானக்கூடம் (oasis)

நிகழ்ச்சித் தொகுப்பு: இ. நந்தகுமார் | முதுகலைத் தமிழ்

நிகழ்ச்சி ஒருங்கிணைப்பு : முனைவர். ஆ. சந்திரன்





Principal