

Minutes of the Research and Development cell meeting  
held on 18 August 2023

The Fatima College Research and Development Cell convened its first meeting for the academic year 2023-24 on August 18, 2023. The meeting began with a short prayer. Dr. S. J. Kala, Dean of Research, gave a formal note of welcome.

With the intention of orienting staff and students towards research and innovation, the following points were discussed:

\* Dr. S. J. Kala, Dean of Research, oriented the gathering by explaining the key roles and responsibilities of students and staff towards research. And she urged the students to utilize the opportunities in the upcoming competitions to be organized by Research and Development cell:

\* The Research Mentors were told to motivate and sustain the research thirst among students.

\* Mandating publication of research articles by the Fatima college staff once in a semester.

\* Quality of PG projects should be noted.

\* promote MOU's with industries

Departmentwise Mentor's allotted as follows:

Shift - I

Tamil, Commerce and Economics - Dr. P. Kalaiselvi

History, Sociology and English - Dr. V. Bharathy

Physics and Computer Science - Dr. M. Ragam

Mathematics (Reg), Chemistry - Dr. M. Priyadarsini

Zoology and Home Science - Dr. J. Annet Mary

## Shift II

Mathematics, Statistics, BCA and IT - Dr. V. Vanitha  
MBA, MCA, B.Com (Hons) and B.Com (CS) - Dr. B. Jayanthi  
English, JMC, BBA, B.Com and B.Com (CA) - Mrs. A. Rosary Infanta.

To improve the research on campus, the members were requested to motivate the staff and students. The Research and Development Cell decided to elect student representative for the cell.

The team was asked to motivate the professors to publish more papers and establish a healthy research environment.

S. J. K.

Dr. S. J. Kala

Dean (Shift I)

Research and Development  
Cell

Dr. P. Shyamala

Dr. P. Shyamala, Dean (Shift II)

Dr. J. Annet Mary

Dr. J. Annet Mary, Asst. Dean (Shift I)

Dr. V. Vanitha

Dr. V. Vanitha, Asst. Dean (Shift II)

Dr. B. Jayanthi

Dr. B. Jayanthi

Dr. P. Kalaiselvi

Dr. P. Kalaiselvi

Dr. M. Ragam

Dr. M. Ragam

Dr. M. Priyadharsani

Dr. M. Priyadharsani

Dr. V. Bharathy

Dr. V. Bharathy

Mrs. A. Rosary Infanta

Mrs. A. Rosary Infanta

Minutes of DST-FIST Project preparation:

28, August 2023

The Project implementation Group met together on 28.8.23 along with principal Sister to discuss the preparation for DST-FIST level A Presentation. Sister principal congratulated the team for the selection for presentation. The group members are asked to prepare the power point slide as per format given by DST-FIST, Budget priority list and short profile of the college.

All the above said documents had been uploaded in the DST-FIST online portal along with the confirmation letter.

It was decided that along with Principal Rev. Dr. G. Celine Sahaya Mary, Dr. J. Annet Mary, Assistant professor of zoology and Dr. Anjemma Joseph, Assistant professor of Physics will attend for DST-FIST Presentation to be held at IIT, New Delhi on 2.9.23.

Dr. S. J. Kala s.j. JK  
Dean (Shift I)

Research and Development cell.

Dr. P. Shyamala, Dean (Shift II)

Dr. J. Annet Mary, Asst. Dean (Shift I)

Dr. V. Vanitha, Asst. Dean (Shift II)

Dr. B. Jeyanthi

Dr. P. Kalaiselvi

Dr. M. Ragam

Dr. M. Priyadharsini

Dr. V. Bharathy

Mrs. A. Rosey Infanta

JK  
Annet Mary

B. Jeyanthi

P. Shyamala  
V. Vanitha

M. Priyadharsini

A. Rosey

Minutes of meeting for National Seminar  
29, September 2023

The members of Research and Development cell met on September 29<sup>th</sup> 2023 to discuss the National Seminar. It was decided to be held on 18.10.23.

Dr. S.J. Kala, Dean of Research and Development cell suggested a title "Campus - Corporate - Community - Connect", Bridging the gap between Research and Application" for the National Seminar.

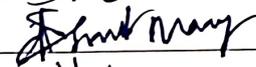
The team was asked to fix an appropriate resource person for each category.

Dr. S.J. Kala and Dr. P. Shyamala were verifying the proposed SPS-TNSCSI projects and instructed the team to upload the verified projects.

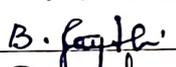
Dr. S.J. Kala discussed the team about the contribution from the college to the staff who are applying patents.

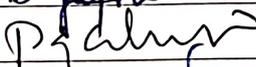
Dr. S. J. Kala.   
Dean (Shift I)  
Research and Development  
Cell.

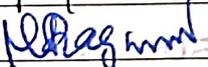
 Dr. P. Shyamala, Dean (Shift II)

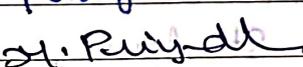
 Dr. J. Annet Mary, Asst. Dean (Shift I)

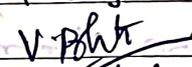
 Dr. V. Vanitha, Asst. Dean (Shift II)

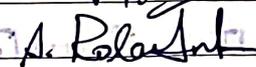
 Dr. B. Teyanthi

 Dr. P. Kalaiselvi

 Dr. M. Ragam

 Dr. M. Priyadhassini

 Dr. V. Bharathy

 Mrs. A. Rosary Infantā

Minutes of Research and Development cell meeting  
about National Seminar held on 4, October 2023.  
The team met on 4<sup>th</sup> October 2023, and the main  
topic of discussion was the National Seminar  
which is scheduled to be held on 18.10.23

Deans finalise the following resource persons for the  
National Seminar:

Technical Session I : Dr. Rama Gokula Krishnan  
Assistant professor of Social Work  
St. Joseph's University  
Bengaluru.

Technical Session II : Dr. D. Uma Devi  
Scientist (DST - WOSA)  
Department of Chemistry  
III Palakkad, Kerala.

Technical Session III : Dr. S. Jagatheeswaran  
Managing Director  
BIOME Live Analytic Centre  
Karaikudi  
TamilNadu.

Deans were draft the duties for the members  
for the seminar.

The Committee decided to collect Rs. 50 from  
Fahima Research and Development Cell Students,  
Rs. 200 from other college students, Rs. 250 from  
research scholars and Rs. 350 from all the faculty  
for National Seminar.

## Duty List for National Seminar:

1. Inviting participants, Google form for Registration : Dr. P. Kalai Selvi, Mrs. A. Rosary Infanta
2. Stage arrangement and Decoration, Agenda Preparation, seating arrangement for participants, water points, announcement desk, Digital display, organizing PPT's of resource persons - Dr. J. Annet Mary, Dr. R. Jothi Mani
3. Printing brochure, invitation, certificates, Accounts and bill settlement - Dr. P. Shyamala
4. Reception, On the spot registration, seminar kit, Memento, Certificate writing, preparation and issue of OD form - Dr. M. Ragam, Mrs. A. Rosary Infanta
5. Brochure, Invitation, Certificate designing - Dr. S. J. Kala
6. Programme Coordination, Inviting Sisters and Resource persons, MC, Certificate distribution, Discipline - Dr. V. Vanitha, Dr. M. Priyadharsini
7. Refreshment, Hospitality, Conveyance for guest, getting sign in vouchers - Dr. B. Jayanthi, Dr. V. Bharathy.
8. Students Refreshment and Lunch - Dr. M. Priyadharsini, Dr. R. Jothi Mani
9. Feedback form link creation, circulation and consolidation - Dr. P. Kalai Selvi

10. Report writing, Photographer, Documentation  
and Press - Dr. J. Asnet Mary, Dr. V. Vanitha  
and Dr. V. Bharathy

Dr. S. J. Kala S. J. 31

Dean

Research and Development cell

Fatima College

Dr. P. Shyamala, Dean (Shift II)

Dr. J. Asnet Mary, Asst. Dean (Shift II)

Dr. V. Vanitha, Asst. Dean (Shift II)

Dr. B. Jeyanthi

Dr. P. Kalaiselvi

Dr. M. Ragan

Dr. M. Priyadharsani

Dr. V. Bharathy

Mrs. A. Rosary Infantia

Minutes of the meeting about change of Venue.  
16, October 2023

The Committee convened to discuss about the change of the Venue for the National Seminar. The arrangement which was first planned and restructured accordingly.

The members were asked to report the completion of their duties for the forth coming Seminar.

Dr. S.J. Kala S. J. KL  
Dean of Research  
(Shift I)

Dr. P. Shyamala  
Dean of Research (Shift II)

B. Jeyanthi  
Dr. B. Jeyanthi

Dr. J. Asnet Mary  
Asst. Dean (Shift I)

V. Vanitha  
Asst. Dean (Shift II)

Dr. P. Kalaiselvi  
Dr. P. Kalaiselvi

Dr. M. Ragam  
Dr. M. Ragam

Dr. M. Priyadharsini  
Dr. M. Priyadharsini

Dr. V. Bharathy  
Dr. V. Bharathy

Mrs. A. Rosary Infanta  
Mrs. A. Rosary Infanta

Minutes of the Research and Development cell meeting.  
1 November 2023

The agenda for the meeting was to prepare and uploading the documents for Recommended DST - FIST Project.

The project implementation Group members met Dr. Sr. G. Celine Sahaya May, principal Congratulated the team and expressed her wishes for the success of the project. Dr. S. J. Kala, Dean of Research, Shift I suggested to prioritize the budget on the usage for PG and Research students. And also asked to include industry and academia related research projects.

Action Taken: The documents were prepared as per the suggestions from principal sister and Dr. S. J. Kala. The final document, after it was checked by Dr. S. J. Kala, Dean of Research, Shift I and Dr. Sr. G. Celine Sahaya May, principal was uploaded in the DST web portal on 9<sup>th</sup> November 2023.

S. J. Kala  
Dr. S. J. Kala  
Dean of Research  
(Shift I)

Research and Development  
Cell.

- Dr. P. Shyamala, Dean of Research (Shift II)  
Dr. J. Annet Mary, Asst. Dean (Shift I)  
Dr. V. Vanitha, Asst. Dean (Shift II)  
Dr. B. Teyanthi  
Dr. P. Kaliselvi  
Dr. M. Ragam  
Dr. M. Peiyadharani  
Dr. V. Bharathy  
Ms. A. Rosany Infanta

## Minutes of SERB-SURE proposal Meeting

21, November 2023

The members of Research and Development cell met on 21<sup>st</sup> November 2023, to discuss about SERB-SURE proposal. The circular was sent to the mentors of science departments on 15<sup>th</sup> November 2023. The following faculties were interested in applying for the proposal.

Dr. Anicemma Joseph - Physics

Dr. M. Ragam - Physics

Dr. Sr. G. Jenita Rani - Physics

Dr. T. Jeyasheela - Physics

Dr. M.V. Leena Chandra - Physics

Dr. J. Asnet May - Zoology

The team scrutinized the project proposals and suggested some corrections in the objectives, budget, timeline, infrastructure of the project.

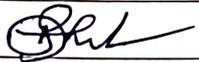
Action taken: Signed endorsement letter was handed over to faculty members on 7<sup>th</sup> December 2023.

Dr. S. J. Kala - S. J. Kala

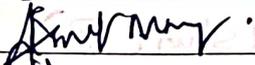
Dean of Research (Shift I)

Research and Development Cell

Fatima College.



Dr. P. Shyamala, Dean (Shift II)



Dr. J. Asnet May, Asst. Dean (Shift I)



Dr. V. Vanitha, Asst. Dean (Shift II)



Dr. B. Jeyanthi



Dr. P. Kalaiselvi



Dr. M. Ragam



Dr. M. Priyadharsani



Dr. V. Bhasathy



Ms. A. Rosary Infanta



Minutes of the meeting of Research and Development Cell for Exploria 24, 24.1.24

The members of Research and Development cell met on 24<sup>th</sup> January 2024 to discuss the debies and judges for the upcoming exploria 24 in ST6.

The team finalized the external and internal Judges for the competition.

Dr. S.T. kala, Dean of Research (Shift I) informed the change of dates of submission of abstract, video presentation and Final Presentation.

The team decided to have 2-3 participants in a team.

The team Finalized these following dates for each stage for the upcoming event:

Submission of Abstract : 16.2.24

video presentation : 19.2.24

Final power point presentation: 22.2.24.

The following are finalized internal and external Judges:

Dr. T. Jeyanthi Vijayarani  
Associate Professor & Head  
Research centre of Commerce  
Fatima college  
Madurai

Dr. Fernando Delishia  
Associate professor & Head  
Research centre of English  
Fatima college  
Madurai

Dr. S. L. Kumari  
Associate Professor  
Department of BBA  
Fatima College  
Madurai.

Dr. M. V. Leena Chandra  
Assistant Professor  
Research Centre of Physics  
Fatima College  
Madurai

Dr. N. Malathy  
Assistant Professor  
Department of Zoology  
Fatima College  
Madurai.

Dr. B. Vinusha  
Assistant Professor  
Department of Chemistry  
Fatima College  
Madurai.

Dr. R. V. Krishna Kumar  
Associate Professor in Physics  
Thiagarajar College, Madurai.

Dr. A. S. Lakshmi Rani  
Assistant Professor in Commerce  
S. N. College, Madurai.

Mr. K. J. Dhananjeyan  
Assistant professor in Zoology  
The American college, Madurai.

The following are the duties for Explexia 24:

1. Brochure, Invitation and Certificate Designing - Dr. S. J. Kala and Dr. P. Shyamala.
2. Inviting participants (other colleges), inviting principal, Vice principals, IEAE coordinator and Judges - Dr. P. Kalaiselvi, Dr. J. Annet Mary, Dr. M. Ragam and Dr. V. Bharathy.
3. Finalising Fatima college participants - Dr. J. Annet Mary and Mrs. A. Rosary Infanta.
4. Rangoli & lobby Decoration, Reception at Jubilee hall - Dr. M. Ragam and Dr. M. Priyadharshini.
5. Stage arrangement & Decoration, Agenda preparation and print out, Hall arrangement - seating arrangement for the participants, water points, announcement desk, Digital display, organising power points of participants - Dr. V. Vanitha, Dr. B. Jayanthi.
6. Google Form for registration - Dr. P. Kalaiselvi.
7. Collecting Abstract, videos and co-ordinating with the internal and external judges on 19.2.24 - 22.2.24 - Dr. V. Vanitha, Dr. M. Ragam, Dr. V. Bharathy and Dr. M. Priyadharshini.
8. Reception, on the spot registration, distribution of Competition kit, Valediction Session and Prize Distribution - Dr. P. Kalaiselvi, Dr. J. Annet Mary, Mrs. A. Rosary Infanta.
9. Certificate Print out, certificate writing, distribution, Preparation and issue of OD form - Mrs. M. Priyadharshini.
10. Programme coordination - Dr. S. J. Kala, Dr. P. Shyamala.
11. Refreshment, Lunch, conveyance for guest - Dr. M. Priyadharshini, Dr. B. Jayanthi and Mrs. A. Rosary Infanta.
12. Accounts and bill settlement, Memento, competition kit purchasing - Dr. S. J. Kala and Dr. P. Shyamala.

- 13. Feedback form link creation, circulation and consolidation - Dr. P. Kalaiselvi, Dr. B. Jayanthi
- 14. Report writing, Photographs, Documentation and Press - Dr. J. Asnet Mary, Dr. V. Vanitha
- 15. Discipline - Dr. J. Asnet Mary, Dr. V. Vanitha, Dr. P. Kalaiselvi, Dr. B. Jayanthi, Mrs. A. Rosary Infanta.

Dr. S. J. Kala S. J. K  
 Dean of Research  
 (Shift I)

Research and Development Cell.

- Dr. P. Shyamala, Dean (Shift II)
- Dr. J. Asnet Mary, Asst. Dean (Shift I)
- Dr. V. Vanitha, Asst. Dean (Shift II)
- Dr. B. Jayanthi
- Dr. P. Kalaiselvi
- Dr. M. Ragam
- Dr. M. Priyadharsani
- Dr. V. Bharathy
- Mrs. A. Rosary Infanta

~~Dr. J. Asnet Mary~~  
~~V. Vanitha~~  
 B. Jayanthi  
 P. Kalaiselvi  
 M. Ragam  
 M. Priyadharsani  
 V. Bharathy  
 A. Rosary Infanta

## Minutes of the meeting for project proposal Submission

13.2.24

The members of Research and Development Cell met on 13<sup>th</sup> February 2024 and scrutinized the project Proposal Submitted by Dr. M. Angel, Assistant professor, Department of Home Science and suggested some corrections in the objectives, budget, timeline, infrastructure of the project. And also asked to add name and address of experts in the proposed field.

As the date of Submission for SERB-POWERGRANT Proposal has been extended till, 15<sup>th</sup> February 2024, The circular was set to the Heads of all the Science Departments.

Dr. S.J. Kala S. J. KL

Dean of Research

(Shift) I

Dr. P. Shyamala

Dr. P. Shyamala, Dean (Shift II)

Dr. J. Asnet Mary

Dr. J. Asnet Mary, Asst. Dean (Shift I)

Dr. V. Vanitha

Dr. V. Vanitha, Asst. Dean (Shift II)

Dr. B. Jeyanthi

Dr. B. Jeyanthi

Dr. P. Kalaselvi

Dr. P. Kalaselvi

Dr. M. Ragam

Dr. M. Ragam

Dr. M. Puiyadharsani

Dr. M. Puiyadharsani

Dr. V. Bhasathy

Dr. V. Bhasathy

Mrs. A. Rosary Infanta

Mrs. A. Rosary Infanta

Minutes of First round of Explanatory 24. 16.2.24

Dr. S. J. Kala, Dean of Research (Shift I),  
Dr. P. Shyamala, Dean of Research (Shift II), Dr. V. Vanitha  
Assistant Dean of Research (Shift II) met on 16<sup>th</sup> February  
2024 to select the abstracts at 10.30 am.

Dr. S. J. Kala, Scrutinized 52 abstracts out of which  
She shortlisted 20 abstracts for the next level.

ie, 39 teams from Fatima college and 13 teams  
from other colleges were participated in round one.

S. J. Kala Dr. S. J. Kala  
Dean (Shift I)

Research and Develop  
ment  
Cell.

Phil  
Senthil Mary  
V. Bal

Dr. P. Shyamala, Dean (Shift II)  
Dr. J. Ashet Mary, Asst. Dean (Shift I)  
Dr. V. Vanitha, (Shift II) Asst. Dean.

B. S. K.  
P. J. Alini  
R. Ragun

Dr. B. Jeyanthi  
Dr. P. Kalaiselvi  
Dr. M. Ragam

M. Priya-d  
V. Bharathi  
A. Polan

Dr. M. Priyadhassani  
Dr. V. Bharathy  
Mrs. A. Rosary Infanta

## Minutes of Second round of Exploria 24.

19.2.24.

The Research and Development cell met on 19<sup>th</sup> February 2024 at 10.00am for Second Round of Exploria 24 - Intercollegiate Research competition.

Dr. S.J. Kala, Dean of Research (Shift I) welcomed and honoured the internal Judges.

The following Internal Judges were present for evaluating the video presentations:

1. Dr. T. Jeyanthi Vijayarani  
Associate professor & Head  
Research Centre of Commerce.

2. Dr. Fernando Delishia  
Associate professor & Head  
Research Centre of English

3. Dr. S.L. Kumari  
Associate professor  
Department of BRA

4. Dr. M. V. Loena Chandra  
Assistant professor in Physics

5. Dr. N. Malathy  
Assistant professor in Zoology

6. Dr. B. Virusha  
Assistant professor in Chemistry

Five teams from Fatima college and five teams from other colleges were selected for final presentation.

Dr. P. Shyamala, Dean of Research (Shift II)  
Proposed the vote of thanks.

Dr. S.J. Kala S. J. K.             
Dean (Shift I)  
Research and Development Cell.

Dr. P. Shyamala, Dean (Shift I)  
Dr. J. Annet Mary, Asst. Dean (Shift II)  
Dr. V. Vanitha, Asst. Dean (Shift II)  
Dr. B. Jeyanthi  
Dr. P. Kalaiselvi  
Dr. M. Ragam  
Dr. M. Puiyadharsani  
Dr. V. Bhalathy  
Mrs. A. Rosary Infantia  
Dr. B. Jeyanthi

## Minutes of Exploria 24 held on 22<sup>nd</sup> Feb 2024.

20.0.20

The team met on 22<sup>nd</sup> February, 2024 at 9.00 am in the Jubilee Hall to conduct the final round of Exploria 24.

\* Students' Council president Miss. S.K. Jaya Harini welcomed the gathering.

\* In the inaugural address, Dr. Sr. G. Celine Sahaya Mary, the principal emphasized that the research has to bridge the three sectors academy, industry and community. The scientific discovery in the bench side should reach the community for the benefit of human mankind through industries. The three Cs' Campus - Corporate - Community can be connected by strong Dedication, Determination and Discipline.

\* Ten projects were presented for final evaluation. Five from Fatima college and Five from other colleges.

\* The following three external judges from different colleges around Madurai were invited.

1. Dr. R.V. Krishna Kumar

Associate professor in Physics  
Thiagarajar college, Madurai.

2. Dr. A.S. Lakshmi Rani

Assistant professor in Commerce  
Saraswathy Narayanan College, Madurai.

3. Mr. K.J. Dhananjeyan

Assistant Professor in Zoology  
The American college, Madurai.

\* Mr. B. T. Bangera, Managing Director,  
Hi-tech Arai Pvt Ltd sponsored the event.

\* The following teams from Fatima College  
emerged as winner

First Prize - Rs. 10000/- (Cash prize)  
Ms. R. Rithani and Ms. K. Vibhagini

Second Prize - Rs. 5000/- (Cash prize)  
Ms. Z. Jafina Barvin and Ms. N. Caroline Fabinaa  
and Ms. G. Mahalakshmi

Third Prize - Rs. 3000/- (Cash prize)  
Ms. K. Reshma Banu and Ms. R. Rohini

\* The following are the prize winners of the other  
colleges.

First Prize - Rs. 10,000/-  
Mr. R. Manisudhan and Mr. D. Rohith - Madura College

Second Prize - Rs. 5000/-  
Ms. S. Amirthavashini and G. Sakthivel - The American College

Third Prize - Rs. 3000/-  
Mr. S. Sivakumar and Mr. A. Aanaikully - The American  
College Satellite Campus.

\* Students' Council Secretary G. Kaniya Shree proposed  
the vote of thanks.

The following are the Project title of Internal and External prize winners.

1. Crop Prediction and Recommendation using ensemble of DL models.
2. Organic Pesticides
3. Effects of flavonoids - enriched orange peel powder.
4. Development of Sustainable Techniques for Biological Deinking of mixed office wastepaper.
5. Ragi Millet Ice Cream
6. Sustainable Practices through Vermicomposting.

Student's Council Secretary Miss. G. Kaviya proposed the vote of thanks.

Dr. S. J. Kala

S. J. Kala

Dr. P. Shyamala

Dr. J. Annet Mary

Annet Mary

Dr. V. Vanitha

Vanitha

Dr. P. Kalaiselvi

Dr. M. Ragam

M. Ragam

Dr. M. Priyadharsani

M. Priyadharsani

Dr. V. Bharathy

V. Bharathy

Mrs. A. Rosary Infanta

A. Rosary Infanta

Dr. B. Tejanthi