IQAC MINUTES
From June 2022.

Minutes of the meeting held on June 3rd, 2022

Venue: IQAC Room Time 2 to 3 pm

The meeting was convened by the Joint coordinator Mr. Libin Francis to review the progress achieved in preparation of the SSR.

- Interns have been roped in for helping in the compilation of quantitative metrics.
- The team of IQAC co-ordinators should work over time to finish the report in a time-bound manner.
- The qualitative metrics were completed.
- The website has to redesigned and rehauled. More photos of events need to be uploaded. The CV of faculty needs urgent updation.
- Criteria-wise delegation of compiling quantitative metrics was decided.
- Proof of all activities (including photos, brochures, reports etc) should be uploaded.
- All files should be completed by June 30th.

1) Dr. Santhosh Paul
2) Nigil Jacobi
3) Jose James
4) Dr. Sr. Mimi TV
5) Meera Jacob
6) Nithin T.J

Sheena Joseph K	Sheena Joseph K
Libin Francis	
Dr. Nijo Varghese	
Dr. Laina. A.L	
Daily Mathew	
Fency. K.F	
Neetha	V. Neetha.

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IQAC - Meeting Minutes.

21/10/22 Core team meeting.

9.30AM Meeting was held to discuss about the following agenda. Preparation of AQAR 2021-22. Reports to be made in a particular format. Add on courses to be started, club activities to be continued. Renew the functioning of all cells of the college, Changes to be updated in website.

Members present:

Dr. V. Neetha V.Neetha.

Ms. Fency. K F

Ms. Nijil Jacobi

21/10/22 IQAC - meeting with department coordinators

Time: 1:30pm.

Agenda to be discussed.

(1) Data collection for AQAR

(2) Preparation for upcoming NAAC peer team visit.

(3) Suggestions related to the functioning of IQAC

It was decided to assign criterion-wise coordinators to ensure proper collection of data related to IQAC. The following teachers volunteered for the same.

Criterion 1 - Ms. ~~Libin Francis~~ Meenu Jacob

Criterion 2 - Ms. Simitha Davis

3 - Dr. Nijo Varghese

4 - Ms. Stephy K. Sunny

5 - Dr. Jeemi Jose

6 - Ms. Darly Matthew

7 - Dr. Santhosh Paul.

It was decided to inform the IQAC, atleast 7 ~~week~~ working days prior to implementation of program. A detailed report in the prescribed format is also to be submitted within 1 week of execution of the program.

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21/10/22 IQAC Department Coordinators Meeting

1. Dr. Sr. Irene
2. Mr. Nijil Jacobi
3. Neetha. V. Nutha.
4. Ms. Fency. K.F
5. Dr. Santhosh Paul IUU
6. Dr. Nijo Varghese (Physics) Nijo
7. Julie. P.A (computer Science)
8. Dr. Jesny Jose (Physical Education)
9. Mishma Davis (Economics) MSD
10. Niveditha Ajayaghosh (Psychology)
11. Keerthana P-K (English)
12. Amala Mary George (Mathematics)
13. Revathy MS (Commerce) Revathy
14. Steply K Sunny (Librarian) Steply

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28/10/22 IQAC - Core committee meeting.
Physics department

Agendas that were discussed -
- check the files submitted for criterion 2
- discuss details required for criteria 5.

It was suggested that the details to be collected for NIRF be done by one of the staff members, and to choose a person who is familiar with it.

A calendar for events to be organised was made using Google sheets - each event that is to happen in the college campus was to be recorded in it.

AQAR 2021-22 Tracker (Google sheets) was created to track the files submitted by different department coordinators.

As it will be difficult for the coordinator of each and every club or cell of college to be present for every IQAC meeting, it was decided to nominate one staff member for the coordination and submission of reports of all clubs and cells.

A google form for event registration was created and the corresponding google sheet was shared to all department emails. Every event that is to happen in the college should be entered in the google form. This can be viewed on google sheets by every department.

The exact format for every report was discussed and templates made and shared for criterion 5.

Members present:
1. Nijil Jacobi
2. Fency K.F
3. V. Neetha V.N

28/10/22 Department IQAC Coordinator's meeting
Time 3:00pm
Venue : IQAC room

The agenda of the meeting was presented on a slide by Ms Fency K.F., the agenda of the meeting was ① to do review the assignments (on criterion 2) submitted by the departments)
② planning of new assignments (on criterion 5)
③ Discussion about Action plan, Event registration - how to fill google forms
④ Suggestions on how to proceed with collection of data or any suggestions to improve working of IQAC.

The AQAR 2021-22 Assignments submission tracker helped the rest of the members to understand ~~how far each~~ where each department stands in terms of submission of documents required for criterion 2. Some departments were asked to resubmit their work in a prescribed format.

Since there are clubs and cells functioning in our college, Dr. Laina was selected as coordinator of all clubs and cells and was given the charge of collecting reports of each cell. She will help the IQAC to connect to the coordinators of each club or cell.

IQAC decided to circulate a Google form where each department can enter the details of the events they plan to conduct (Though the action plan has the tentative events of each department, it was suggested that programs which were not included in the Action plan but still planned to be conducted can be entered here. In this way the IQAC and in turn all the departments will get to know each and every event that is planned in the college).

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28/10/22

The data required for Criterion 5 was discussed. The templates for reports was to be uploaded by the IQAC. This was done to ensure that all activities are reported in a similar manner.

Tentatives dates for submission of each criterion was fixed. Criterion 5 data – 3/11/22
" 3 data – 14/11/22
Criteria 1 & 4 – 22/11/22
Criterion 2, & 5 qualitative – 30/11/22

Members present :—

1. Dr. Sr. Reena Ittyachan
2. Dr. V. Neetha. V. Neetha
3. Ms. Fency K. F.
4. Amala Mary George
5. Dr. Tisha Jose Parackal
6. Dr. Meenu. Jacob
7. Keerthana P.K
8. Darly Mathew
9. Revathy M.S
10. Nayana Sreedharan
11. Mariya Gifty Thomas
12. Dr. Jesny Jose
13. Ms. Rani Paul
14. Ms. Anju P.B
15. Dr. Laina. A.L

1/11/2022 IQAC - Core Committee meeting.
Venue: Physics Department.

Ms. Fency k.F and V. Neetha were involved in checking data received for extension profile 2.1 & 2.3 The mismatch of student numbers was sorted out and a file list created.

Mr. Nijil was involved in checking the data received regarding teachers list and sorting out documents received such as appointment orders.

A data template for Action plan was created in Google sheets and shared with all departments. Each department was asked to fill their sheets with dates, events, theme / Topic / Activity and Coordinator for each event that they plan to conduct.

The person in charge of website was to be informed about keeping the website updated regarding staff profile, clubs / cells etc.

Dr. Laina A.L., Coordintor of all the clubs and cells was asked to create a Google classroom and collect information required for updation of activities of clubs and cells in the college website. Though the clubs of our college conduct many events, it was found that documentation of the activities was lacking. With this Google classroom it would be possible to create an order and to enable easy data collection for report preparation.

Members present. —
Ms. Fency k.F
Dr. V. NEETHA V.Neetha.
Mr. Nijil Jacobi

4/11/22 - As per the request of many departments the date for submission of documents under criterion 5 was changed to 7/11/22

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IQAC - Department Coordinators Meeting.

17/11/2022 : Date

IQAC room : Venue

Agenda for the meeting - Review of documents submitted under Criterion 5.

- New assignments to be posted under criterion 3

It was noted that the tentative dates for completion of document submission were not being met. As the date for submission of AQAR 2021-22 was 31st Dec 2022, the department coordinators were asked to cooperate and submit the documents soon.

According to a notification from NAAC published on 17th October 2022, the time period for academic data collection for the academic year 2021-22 was revised. Data was to be collected from 1st June 2021 to 31st August 2022. In the light of this new notification more data was to be collected.

Dr. Jesmy gave a summary of the data received from various departments under Criterion 5. As the number of student placements were few, it was decided to add students placed for even one or two months under criterion 5.2.1.

Mr. Fency then gave an idea about the assignments to be submitted under Criterion 3. Assignments included reports of programs conducted by departments or clubs related to research, IPR or entrepreneurship.

The number of research articles published by the teachers was to entered in 3.3.2 The department coordinators were to ensure that journals in which the articles were published are under the UGC care list.

Books published were to be submitted under 3.3.3 and ISBN numbers also ~~to~~ be

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entered correctly. Activities where people from the community are involved were to be included under Criterion 3.4.4. Reports were to be submitted according to the template already given. Signed Volunteer list was also to be added. Letters showing Collabortion were to be submitted. Only functional MoUs were to be submitted under Criterion 3.5.2. Date for submission was planned as 24th Nov 22, with a review of data to be done by Dr. Nijo Varghese and meeting for the same on 25th Nov. 2022.

Departments were encouraged to participate in the several activities of the Govt. of India as seen in their website www.my.gov.in/campaigns.

Members present:-

1. Dr. Sr. Reena Ithyachan.
2. Mr. Nijil Jacobi
3. Ms. Fency K.F
4. Dr. V. Neetha
5. Dr. Laina. B.L
6. SmINA. M.B
7. Anju P.B
8. Revathy MS
9. Keerthana P.K
10. Niveditha Ajayaghosh
11. Dr. Jesmy Jose
12. Stephy K Sunny
13. Smitha Davis
14. Dr. Santhosh Paul
15. Dr. Nidhin T.J
16. Dr. Nijo Varghese

30/11/22 IQAC Core committee meeting

Ms. Fency k.f and Mr. Nijil reviewed the documents submitted by the department coordinators under Criterion 3. They along with Dr. Nijo Varghese then updated the AQAR tracker that would give the other coordinators a picture of the work completed. Several departments were had not submitted all the documents. Review of documents to be submitted under criterion 1 was then carried out. New assignments were then created in the Google class room

Members present:-

Dr. V. Neetha - V. Neetha.

Ms. Fency k.f -

Mr. Nijil Jawbi - (Nijil)

1/12/22 IQAC - Department Coordinators meeting.

Venue: IQAC Room.

Review of the documents submitted by the department coordinators was done. AQAR tracker showed that many departments were yet to submit documents under Criterion 3. The preparation of presentations during for mock visit and other such reasons were given by the department coordinators. Only physics, economics, mathematics and English departments had submitted assignments under Criterion 3 and they were appreciated for their efforts. Rest of the department coordinators were asked to submit the assignments before the next review meeting.

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The next agenda for the meeting was assignment to be submitted under criterion 1.

Course plan with any changes, faulty diary and students notes were to be uploaded in pdf format. Representative from the Office staff was asked to take copies of the duty certificates submitted by the teachers.

The department coordinators were also reminded to include the Board of studies of Add on courses under this Criterion.

Add on courses that were conducted during the academic year 2021-22 was also to be included. It was The fact that documents from June 2021 to August 2022 was reiterated.

Project work submitted by the students and field reports were also to be included.

Ms. fency k.F then showed how an advanced template can be used while taking a Geo-tagged photo. The application used for this purpose allows the user to add the name of the program along with details such as latitude and longitude

The urgency and need for collection of these data was once again mentioned.

The date for submission of documents under criterion 1 was fixed as 5th December 2022.

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Members present

1. Dr. Sr. Reena Ittyachan
2. Dr. V. Neetha V. Neetha
3. Mr. Nijil Jacobi
4. Ms. Fancy K. F
5. Dr. Santhosh Paul IUU
6. Dr. Laiza. B.L
7. Revathy M S Revathy
8. Nayana Sreedharan nayana
9. Stephy K Sunny Stephy
10. Anju. PB Anju.
11. Darly Mathew
12. Sindhu. T.
13. Mariya Gifty Thomas Mahlifti
14. Nijo Varghese
15. Smina. M.B

N.B. As decided by the college council, the departments were to present the reworked powerpoint presentations on 9th December. In light of this and as per the request of several department coordinators date of submission of criterion 1 documents was postponed to 12th Dec. 2022.

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IQAC room
4:30pm

12/12/2022 IQAC Core Committee meeting

Checking the documents uploaded for criterion 1 by different department and updation of AQAR tracker. Many departments were yet to submit assignments under criterion 1. Also several departments had not submitted proper supporting documents. The AQAR tracker was updated accordingly.

It was decided to start preparing the AQAR report by uploading the basic information asked in the NAAC HEI's portal. Information such as name of institution, name of the head of institution, email ids addresses, phone numbers etc were entered. Answering several of questions required assistance from the IQAC team which was in charge of the activities of Academic Year 2021-22. So it was decided to upload these details (Q nos 8, 9, 11, 12-20 etc) along with the old IQAC team.

The core team also suggested that the Principal depute one faculty for each criterion who would be responsible for collection, compilation and uploading of documents of that particular criterion.

Members present —

Dr. V. Neetha V. Neetha.
Mr. Nijil Jacobi
Ms. Fancy K.F.

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IQAC Department coordinators meeting

13/12/2022

IQAC room, 3.PM.

Dr. Meenu Jacob listed out the documents submitted by each department under Criterion I and it was noted that many departments are yet to submit the documents. Student IQAC member, Ms. Anna Julia (Chairperson of College Union) participated in the meeting. She was asked to give a list of the students who were well versed in computer technology. It was decided to use the help of such students for uploading of documents in AQAR 2021-22.

The following teachers were assigned to help the criterion coordinators (refer pg no. 1). Criterion coordinators could in turn add the names of any number of faculty members whose assistance they can take for completion of the compilation of data.

Criterion 1 - Dr. Meenu Jacob, Mr. Smina M. B, Mr. Libin Francis
Criterion 2 - Ms. Smitha Davis, Dr. Nidhin T. J., Ms. Manala Mary
Criterion 3 - Dr. Dijo, Dr. Vijitha, Dr. Jisha.
Criterion 4 - Ms. Stephy, Ms Revathy, Sr. Emil
Criterion 5 - Dr. Jesmi, Ms. Nivedhita, Ms. Megha
Criterion 6 - Ms. Darly, Ms. Keerthana, Dr. Sherly K Jose
Criterion 7 - Dr. Santhosh, Ms Merin, Ms. Nayana.

It was also decided to appoint one faculty for each criterion in each department. This was to ensure that each department This will facilitate easier collection of data and the Criterion coordinator will have to only meet the criterion-in-charge of each department for data submission. Otherwise the department coordinators would be overly burdened as they are also the criterion coordinators. This list was to be submitted on 14/12/2022. Faculty diaries were to be submitted on 17/12/2022. Data templates were to be filled by 20/12/2022.

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14

IQAC Department

13/12/2021 Coordinators Meeting

Members Present

1. Dr. Reena Ittyachan
2. Ms. Fency K.F
3. Mr. Nijil Jacobi
4. Dr. V. Neetha V.Neetha
5. Student IQAC – Anna Julia B. Veliyan
6. Office Representative – SR. Riya Raphael Ri
7. Laina. B.L –
8. Revathy MS Revathy
9. Dr. Tisha Rose Parackal
10. Anju PB
11. Dasly Mathew
12. Nidhin T.J
13. Meenu. Jacob
14. Niveditha Ajayaghosh Nivea

4/1/23 IQAC Department Coordinators and Criterion in-charges Meeting

Submission of AQAR -2021-22

After the meeting on 13/12/2021, all the Criterion in-charges began the data compilation and verification of the data received. Data that were collected in the classroom were compiled and some departments who hadn't submitted were identified. For smooth collation of data, one faculty in each department was assigned one criterion. The data for extended profile were also collected indenpendently. The details to be filled; once finalised were then added to the college website as well as the NAAC website. Several flaws were noted during data collection such as student number which tends to vary when students leave the college during a semester.

All criterion in charges worked through the holidays to complete the data collection. On the day of submission the criterion in-charges checked all the data that was entered, the templates as well as reports. Once everything was entered, Vice Principal Dr. Sr-Prinsy Anto, then submitted the AQAR in the NAAC website.

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04/01/2023

Members Present

1. Fency. K.F
2. Nijil Jacobi
3. Darly Mathew
4. Amala Mary George
5. Rani Pauly
6. Anju PB
7. Nijo Varghese
8. Revathy M S
9. Nayana Sreedharan
10. Niveditha Ajayaghosh
11. Libin Francis
12. Dr. Disha Rose Panackal
13. Dr. Neetha V
14. Dr. Laina. B.L
15. Meenu Jacob
16. Smitha Davis
17. Stephy K Sunny

18/1/2023 IQAC Core Committee

Members present - Fency k.F
Nijil Jacobi
V. Neetha

Agenda - Google classroom in Google workspace
Documents to be kept ready for upcoming NAAC peer team visit.

The following departments had not joined the classroom on Google workspace and were to be informed to do so at the earliest. It had been decided that all data to be collected for

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NAAC was to be done through the Google workspace. Folders were shared with each department and commonly shared with the Librarian (Ms Stephy) who was incharge of collection of reports of "Daily events". All activity reports of clubs & cells were to be added to a single folder.

There were several details to be collected by IQAC from the office. For this purpose Sr. Emil Rose was assigned charge to collect data and add them to the folders under Google workspace.

By the end of the academic year, it was also decided to complete the following tasks:—

(1) Collect feedback from all stakeholders — students, teachers, alumni, PTWA

(2) Think of a way for doing Energy audit with the help of students. - as approaching an external agency was expensive.

(3) All reports (from departments, clubs, cells etc) include mentoring report, add on courses, action taken reports etc to be collected before March 31, 202

(4) IQAC has to complete the following tasks
- MOOC courses - for teachers & students
- College report
- financial support for teachers.

It was decided to continue the activities of IQAC for the present academic year after the NAAC peer team visit.

V. Mathew.

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Mock Visit was held on 3/2/2023
Actual NAAC peer team visit was held on February, 14th & 15th, 2023.
Results were published on 20th Feb. 2023 and the College was reaccredited with A+ grade and 3.28 CGPA in its 4th cycle.

End of Cycle 4

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1/3/2023. IQAC Core Committee Meeting

Members Present - Fency K.F
Nijil Jacobi
V. Neetha.

Agenda - Review the recommendations of NAAC peer team.
- Planning of activities to be coordinated by IQAC
- Review of benchmarks published by NAAC and planning activities based on it

The recommendations of NAAC peer team were considered and several suggestions were brought up, which are -

(1) A class on OBE and NEP for all the teaching staff
(2) It was decided to apply to NAAC for funding to conduct a national level seminar
(3) It was decided to plan activities based on benchmarks published by NAAC and to review the action plan every 3 months to see if they are completed
(4) systematic filing system to be established

It was decided to convene a meeting of departmental coordintors to ask their suggestions on functioning of IQAC in the future.

V. Neetha.

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IQAC department Coordinators Meeting

27/3/23

Members Present –

Dr. Sr. Reena Ittyachan
Ms. Anju P.B
Dr. Nijo Varghese
Dr. Jesmy Jose
Dr. Jisha Jose Panackal
Dr. Santhosh Paul
Sr. Emil
Ms. Smina M.B.
Ms. Rani Pauly
Ms. Amala Mary George
Ms. Nayana
Ms. Keerthana
Ms. Nivedhitha.
Ms. Darly Matthew
Dr. Nijo Varghese

Agenda for the meeting – ① Feedback from students ② self appraisal from teaching staff. ③ Student orientation for +1 & +2 students ④ Reports to be submitted in Google workspace ma ⑤ Benchmark based action plan ⑥ Policies

It was decided to ensure the collection of feedback from all the students before 31st March 2023. It was also recommended to collect self appraisal / APAR from the self financed teachers.

The IQAC was asked to review benchmarks published for affiliated colleges so that each department can plan its activities based on it for the next academic year.

The IQAC also requested the department

coordinators to start add on / certificate courses during the next academic year.

All the members agreed to work towards collection of data for submission of AQAR from June 2023. By starting early it was hoped that the rush towards the submission deadline can be avoided.

Sr. Principal addressed the issue of changing the person-in charge of attendance management system. The main charge was given to Dr. Jisha of Dept. of Computer Science.

The NAAC peer team report was analysed and the following suggestions were given by the department coordinators.

(1) a presentation of research topics by teachers — to be held once every 3 months.

PG students to present their topics as presentations — department wise.

(2) More students to be encouraged to take up MOOC courses - tutor-in charges should assign appropriate courses to students.

It was decided to apply for NPTEL local chapter and the charge for it was given to Ms. Stephy, Librarian.

(3) As the number of students enrolling in our college was going down especially in the science stream, the departments of Physics, Chemistry & Zoology decided to conduct an orientation program for the +1, & +2 students of nearby schools.

(5) As one of the NAAC peer team recommendation

was inadequate use of ICT - it was decided that the HOD of each department was to keep a record of the number of ICT classes by each teacher of their department.

(6) A new account for the alumni was to be started. 100Rs was to be collected from the outgoing students as a part of their alumni registration.

(7) As per suggestions from different department Coordinators ~~it~~ was requested to conduct a seminar or workshop on NEP and OBE.

(8) It was decided that the criterion - in charges of each criterion continue to collect and verify documents of their respective criterion for submission of AQAR.

The meeting concluded with the Principal offering to provide Rs 2000/- as incentives for all the self financed teachers in appreciation for their work during SSR submission & subsequent NAAC Peer team visit on 14 & 15 February 2023.

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IQAC Core committee meeting

29/5/2023

Venue: IQAC room

Agenda to be decided for the department IQAC meeting.

Action plan to be submitted by each department should be based on benchmarks. IQAC is to provide benchmarks to the departments.

New addon and certificate programs to be produced for the academic year.

A new MoU is proposed for e-waste collection - IQAC is to contact eprogressive solutions for the same.

As per suggestions of staff, a new faculty diary is to be planned.

Several new initiatives are being planned as a quality assurance initiative

(1) Heartian colloquium - teachers share their views and opinions on any subject of their choice

(2) Heart talks - initiative for students to express their views and ideas

(3) Welfare measures for teachers - institute a staff club and conduct various activities - fitness for staff (fitness center training)

(4) Policies to be revamped

(5) Faculty diary to be modified

(6) New academic management system.

Development of a benchmark based, criterion-wise Action plan to be prepared for the IQAC during this academic year

FDP to be conducted on 1st & 2nd of June 2023. Venue clare hall.

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Date - 31/5/2023

IQAC Department Coordinators Meeting

Members Present :—

Dr. V. NEETHA
Ms. Fency K.F
Mr. Nijil Jacobi
Ms. keerthana
Ms. Amala Mery George
Ms. Revathy M.S
Dr. Jesmy Jose
Mr. Libin Francis
Ms. Stephy K. Sunny
Ms. Nivedhita Ajayaghosh
Ms. Anju P.B.
Dr. Tisha Jose Parackal

Agenda - Add on courses
Certificate courses
Learning levels
Smart board
MOU.

Each department was instructed to offer atleast one add on courses for the incoming batch of IDC students. The add-on course was to be designed in such a way that students from other departments can also join for it. Departments of English, Computer Science, Physical Education & Psychology were asked to design courses such as communication skills, basic computer skills, yoga for health, and stress management.

It was also decided to offer program specific certificate courses to the II & III year students. The importance of MOOC courses especially with reference to the NEP 2020 was recognised by the members of the IQAC. In alignment with this the IQAC decided to start a local

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chapter in our college. The charge for the same was to be assigned to Ms. Stephy K Sunny, UGC librarian of the college.

The departments were instructed to submit a list of Add on courses, certificate courses and probable MOOC courses that can be availed by our students before the end of June 2023.

Several MoU had been signed by our college with various institutions. The department coordinators were requested to go through list and identify departments with whom to conduct faculty or student exchange. Department coordinators were also requested to contact probable institutions so our students can do internships with them.

Departments were asked to think of new initiatives that can be implemented in our college. Such as Book bank, several capacity building initiatives etc.

The policies for several activities of the campus is also to be revamped and modified. The department coordinators were also asked to collect any suggestions from other faculty members.

Signature of members present:—

V. Nitha.

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കേരളം केरल KERALA

DP 306290

MEMORANDUM OFUNDERSTANDING

This Memorandum of Understanding entered into on the 1st of Feb 2023 between Sacred Heart Women's College represented by its Principal,(herein after referred to as party of the first part) which terms shall mean and include its successors, representatives and assignees on the first part and Surround Tally IT Academy, TCXX/552/9, 1st floor, Opp.Ammankovil, Kottappuram, Thrissur- 680004 represented byits Proprietor Prathibha.S (hereinafter referred to as the party of the second part).

Whereas the party of the second parties Surround Tally IT Academy, TCXX/552/9, 1stfloor, opp.Ammankovil, Kottappuram, Thrissur to conduct certificate course in Tally with GST.

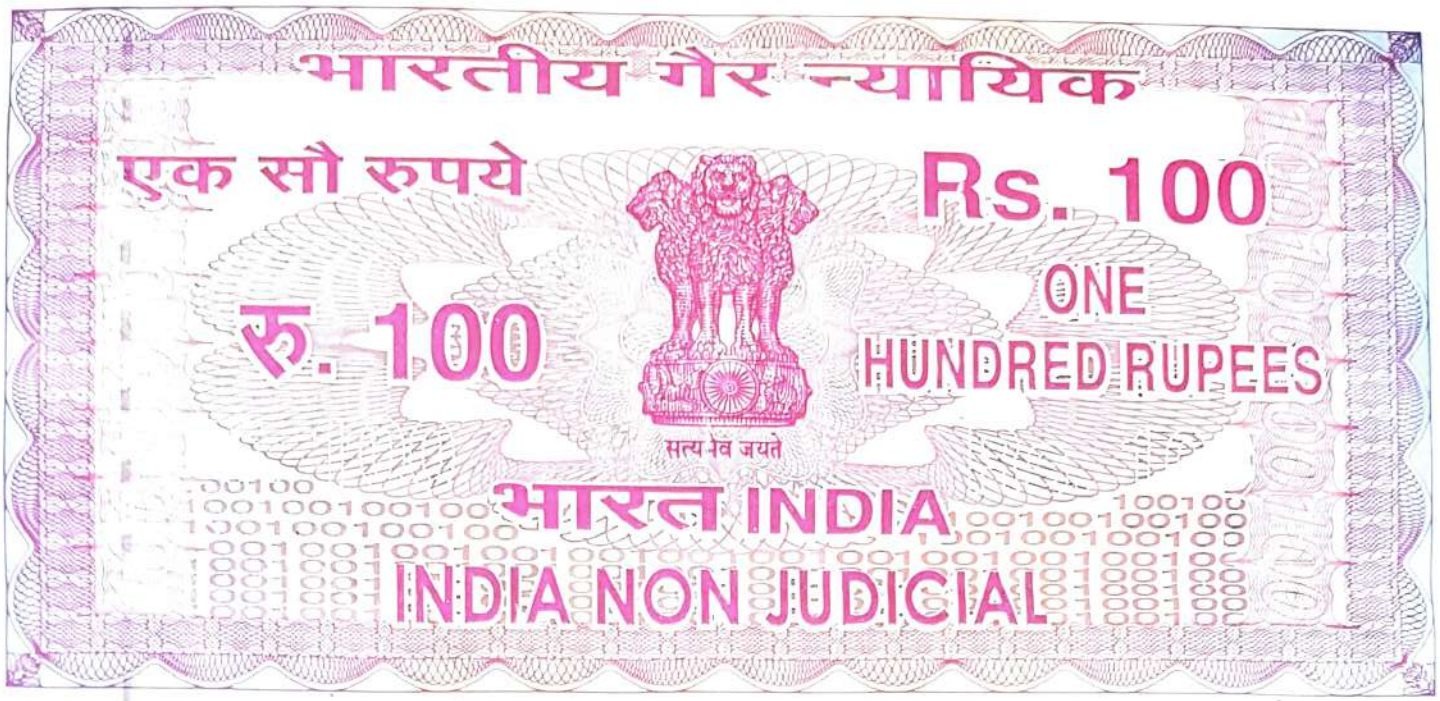
NUMBER 28099 Rs 100/-

Sold to

02/03/2023

VENDOR No: 35, TRICHUR
PRINCY SEBY

DIST. TREASURY STAMP D.
24 FEB 2023
THRISSUR



കേരള KERALA DP 706291

The party of the first part desires to have a linkage with Surround Tally IT Academy for providing certificate course in Tally with GST to the students the party of the second part accepts the proposal and both parties agreed to set forth with the following terms and conditions.

Now the Memorandum of Understanding witnessed:

1. The second party will arrange the aforementioned certificate course for the students.

2. The course duration will be a minimum of 30 hours to students in this academic year 2023.

3. Sacred Heart Women's College will only provide necessary infrastructure including classroom facilities, Computers and Electrical power to the possible extent. The college will have full control on those items under their possession and will provide the above said services and will maintain the Computer and accessories to the best of their ability and will regularly pay the electrical and other related expenses.

4. The date and time of the classes will be finalized on mutual discussion and can be changed on mutual agreement.

5. The Department of Commerce, Sacred Heart Women's College will be in charge of the programme as the representative of the party on the first part.

NUMBER 28100 Rs 100/-
Sold to
02/03/2023
VENDOR No: 35, TRICHUR
PRINCY SEBY

DIST. TREASURY STAMP DEPOT
24 FEB 2023
THRISSUR

6. The second party will conduct examination and issue certificate.

7. Both parties can suggest amendments and based on mutual agreement the necessary amendments can be made on the Memorandum of Understanding if required.

8. The Memorandum of Understanding will commence with effect from14th January 2023.

Principal

Proprietor

Prathibha s

Dr.Sr. Reena Ittyachan
(First Party)
Principal
SACRED HEART COLLEGE
CHALAKUDY

(Second Party)

SACRED HEART COLLEGE
Accredited by NAAC with A+ Grade
CHALAKUDY



भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL

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കേരളം केरल KERALA

കരാർ

13.09.2022 രണ്ടായിരത്തി ഇരുപത്തിരണ്ട് സെപ്തംബർ മാസം പതിമൂന്നാം തിയ്യതി തൃശൂർ ജില്ല, ചാലക്കുടി താലൂക്ക്, കിഴക്കെ ചാലക്കുടി വില്ലേജ്, ടി ദേശത്ത് സ്ഥാപിതമായി പ്രവർത്തിച്ചു വരുന്ന എസ്.എച്ച്. കോളേജിനുവേണ്ടി പ്രിൻസിപ്പാൾ ഒന്നാം പാർട്ടിയായും തൃശൂർ ജില്ല, ചാലക്കുടി താലൂക്ക്, പടിഞ്ഞാറെ ചാലക്കുടി വില്ലേജ്, കല്ലുംപുറത്ത് ജോസഫ് മകൻ ബിനു ജോസഫിനു വേണ്ടി ടിയിൽ ടിയാന്റെ പിതാവ് ജോസഫ് എന്നവർ രണ്ടാം പാർട്ടിയായും എഴുതിയ കരാർ.

ഒന്നാം പാർട്ടി : പ്രിൻസിപ്പാൾ

രണ്ടാം പാർട്ടി : ബിനു ജോസഫിനു വേണ്ടി ജോസഫ്

Dr.Sr. Reena Ittyachan
Principal
SACRED HEART COLLEGE
CHALAKUDY

SACRED HEART COLLEGE
Accredited by NAAC with A+ Grade (3-550GPA)
CHALAKUDY

SUB TREASURY CHALAKUDY
12 SEP 2022
ചാലക്കുടി സബ് ട്രഷറി

No 13242/13.09.2022 B1001
ബിനുജോസഫ്
കല്ലുംപുറത്ത് (H)

M. K. JOJO
VENDOR No: 20
CHALAKUDY

भारतीय गैर न्यायिक

एक सौ रुपये Rs. 100

रु. 100 ONE HUNDRED RUPEES

सत्यमेव जयते

भारत INDIA

INDIA NON JUDICIAL



കേരളം केरल KERALA DL 357589

ഒന്നാം പാർട്ടി പ്രിൻസിപ്പാൾ ആയി പ്രവർത്തിച്ചു വരുന്ന എസ്.എച്ച്. കോളേജിലെ വിദ്യാർത്ഥികൾക്ക് ഡ്രൈവിംഗ് പഠിപ്പിച്ച് ലൈസൻസ് എടുത്തു കൊടുക്കാമോ എന്ന് ഒന്നാം പാർട്ടി രണ്ടാംപാർട്ടിയോട് ആവശ്യപ്പെടുകയും ആയത് രണ്ടാം പാർട്ടിക്ക് സമ്മതവുമാകയാൽ താഴെ പറയുന്ന വ്യവസ്ഥകൾക്ക് വിധേയമായി ഈ കരാർ എഴുതി വക്കുന്നതുമാകുന്നു.

ഒന്നാം പാർട്ടി : പ്രിൻസിപ്പാൾ

രണ്ടാം പാർട്ടി : ബിനു ജോസഫിനു വേണ്ടി ജോസഫ്

SUB TREASURY CHALAKUDY
1 SEP 2022
ചാലക്കുടി സബ് ട്രഷറി

15/09/2022

No 13065/12-09-2022 B109

ബിനു ജോസഫ്

M. K. JOJO
VENDOR NO: 20
CHALAKUDY

വ്യവസ്ഥകൾ

1. ഈ കരാറിന്റെ കാലാവധി 2022 സെപ്തംബർ 13 മുതൽ 2024 മാർച്ച് 31 വരെ ആയിരിക്കും.
2. ടി കരാർ പ്രകാരം റ്റൂ വീലർ ഒരു മണിക്കൂർ ക്ലാസും ഫോർ വീലർ 30 ക്ലാസിനും കൂടിയ പാക്കേജ് 8980/- രൂപ നിരക്കിൽ ഡ്രൈവിംഗ് പഠിപ്പിച്ച് കൊടുക്കാമെന്ന് രണ്ടാം പാർട്ടി സമ്മതിച്ചിരിക്കുന്നു.കൂടാതെ റ്റൂ വീലർ അരമണിക്കൂർ പ്രാക്ടീസിന് 150 രൂപ തരേണ്ടതുമാണ്.
3. ഫോർ വീലർ ലൈസൻസിന് മാത്രം 7490-/ രൂപ ആയിരിക്കും.
4. റ്റൂ വീലർ ലൈസൻസിന് മാത്രം 2940/- രൂപ ആയിരിക്കും.
5. പഠിക്കുന്ന കുട്ടികളുടെ ഓരോരുത്തരുടെയും വിഹിതമായി അഡ്വാൻസ് ഫീസായി 5000/- രൂപയും ബാക്കി ഡ്രൈവിഗ് ടെസ്റ്റിനു മുമ്പായി ഒന്നാം പാർട്ടി രണ്ടാം പാർട്ടിക്ക് കൊടുക്കേണ്ടതാണ്.
6. റ്റൂ വീലർ മാത്രം അഡ്വാൻസ് 2000/- രൂപയും ബാക്കി ടെസ്റ്റിനു മുമ്പായി ഒന്നാം പാർട്ടി രണ്ടാം പാർട്ടിക്ക് കൊടുക്കേണ്ടതാണ്.
7. ടി കരാർ പ്രകാരമുള്ള കാലയളവിൽ ഡ്രൈവിംഗ് ലൈസൻസ് സംബന്ധമായി സർക്കാർ തലത്തിൽ വരുന്ന നിയമനടപടികൾ മൂലമോ, ഫീസ് വർദ്ധനവ് മൂലമോ ഉണ്ടാകുന്ന മാറ്റങ്ങൾക്കനുസരിച്ച് മേൽ പ്രകാരം നിശ്ചയിച്ച നിരക്കുകളിൽ വ്യത്യാസം വരുത്താമെന്ന് ഇരുപാർട്ടികളും സമ്മതിച്ചിരിക്കുന്നു.

ഒന്നാം പാർട്ടി : പ്രിൻസിപ്പാൾ

രണ്ടാം പാർട്ടി : ബിനു ജോസഫിനു വേണ്ടി ജോസഫ്

15/01/2022

8. ഒന്നാം പാർട്ടി സ്ഥാപനത്തിന്റ അച്ചടക്കത്തിനെ ബാധിക്കുന്ന പെരുമാറ്റം രണ്ടാം പാർട്ടിയുടെയോ രണ്ടാം പാർട്ടിയുടെ ജീവനക്കാരുടെയോ ഭാഗത്തു നിന്നുണ്ടായാൽ ഈ കരാർ ഏക പക്ഷീയമായി റദ്ദുചെയ്യാൻ ഒന്നാം പാർട്ടിക്ക് അവകാശമുണ്ടാ യിരിക്കുന്നതാണ്.

മേൽപ്രകാരം എല്ലാം പരസ്പരം നിശ്ചയിച്ചും സമ്മതിച്ചും താഴെ എഴുതുന്ന സാക്ഷികൾ കാണെ ഇതിലും ഫോട്ടോസ്റ്റാറ്റ് കോപ്പിയിലും ഒപ്പിട്ടു ഒറിജിനൽ രണ്ടാം പാർട്ടിയും കോപ്പി ഒന്നാം പാർട്ടിയും കൈവശമെടുത്തിരിക്കുന്നു.

ഒന്നാം പാർട്ടി : പ്രിൻസിപ്പാൾ

Dr.Sr. Reena Ittyachan
Principal
SACRED HEART COLLEGE
CHALAKUDY

SACRED HEART COLLEGE
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CHALAKUDY

രണ്ടാം പാർട്ടി : ബിനു ജോസഫിനു വേണ്ടി ജോസഫ്

സാക്ഷികൾ

1. Adv. P.S. Najeeb, HOD, Commerce Dept

2.

ഒന്നാം പാർട്ടി : പ്രിൻസിപ്പാൾ

രണ്ടാം പാർട്ടി : ബിനു ജോസഫിനു വേണ്ടി ജോസഫ്

St. Joseph's College (Autonomous)

NAAC accredited A++ grade in the fourth cycle

Irinjalakuda-680 121, Thrissur (Dt.), Kerala

Phone : 8301000125

Email: info@stjosephs.edu.in **Website: www.stjosephs.edu.in**

Date: 27/02/2023

DUTY CERTIFICATE

This is to certify Mr. Nijil Jacobi, Assistant Professor, Dept. of Economics, Sacred Heart College, Chalakudy has attended the National seminar entitled 'Indian Economy @75' organized by the Department of Economics, St. Joseph's College (Autonomous), Irinjalakuda on 27th February 2023.

PRINCIPAL IN - CHARGE
ST. JOSEPH'S COLLEGE
(AUTONOMOUS)
IRINJALAKUDA - 680 121
THRISSUR DIST., KERALA

ST. JOSEPH'S COLLEGE (AUTONOMOUS) PIN 680 121 IRINJALAKUDA

File Ref.No.123833/RESEARCH-D-ASST-2/2020/Admn

UNIVERSITY OF CALICUT

Abstract

DoR - To Change Research Guideship - Dr. Santhosh Paul, Assistant Professor, Department of Chemistry, Sacred Heart College, Chalakudy, Thrissur from the Department of Chemistry, Christ College, Irinjalakkuda to the Department of Chemistry, St.Joseph's College, Irinjalakuda - Granted - Orders issued.

Directorate of Research

U.O.No. 11745/2021/Admn Dated, Calicut University.P.O, 11.10.2021

Read:-1) U O No.9197/2020/Admn Dated 08-10-2020.
2) Request for centre change submitted by Dr. Santhosh Paul, Assistant Professor, Department of Chemistry, Sacred Heart College, Chalakudy, Thrissur.
3) Orders of the Vice Chancellor in the file of even No. Dated 27-09-2021.

ORDER

As per paper read as 1st above, Dr. Santhosh Paul, Assistant Professor, Department of Chemistry, Sacred Heart College, Chalakudy, Thrissur has been recognised as Research Guide in Chemistry with Department of Chemistry, Christ College, Irinjalakkuda as his centre of Research.

As per the paper read as 2nd above, Dr. Santhosh Paul, Assistant Professor, Department of Chemistry, Sacred Heart College, Chalakudy, Thrissur has requested to change his research guideship from the Department of Chemistry, Christ College, Irinjalakkuda to the Department of Chemistry, St.Joseph's College, Irinjalakuda.

After having considered the matter in detail,vide reference cited 3rd, sanction has been accorded by the Vice-Chancellor to Dr. Santhosh Paul, Assistant Professor, Department of Chemistry, Sacred Heart College, Chalakudy, Thrissur to change his research guideship from the Department of Chemistry, Christ College, Irinjalakkuda to the Department of Chemistry, St.Joseph's College, Irinjalakuda.

Orders are issued accordingly.

Abdul Azeeze P.K

Deputy Registrar

To

1) Dr. Santhosh Paul, Assistant Professor, Department of Chemistry, Sacred Heart College, Chalakudy, Thrissur.
2) The Principal,Department of Chemistry, Christ College,Irinjalakkuda.
3) The Principal,Department of Chemistry ,St.Joseph's College Irinjalakuda.

Copy to :
P.S to VC / P.A.to Registrar/ JD,KSAD/ DoR-B Section/ Confidential Assistant to DoR (with a direction to update the University website) /SF.

Forwarded / By Order

Section Officer

File Ref.No.253171/RESEARCH-D-ASST-2/2019/Admn

UNIVERSITY OF CALICUT

Abstract

DoR-Recognition as Research Guide in Physics - Dr.Reena Ittyachan.,Assistant Professor,Department of Physics,Sacred Heart College,Chalakudy ,Thrissur with Department of Physics, Christ College, Irinjalakuda,Thrissur - Granted - Orders issued.

Directorate of Research

U.O.No. 4274/2020/Admn Dated, Calicut University.P.O, 06.05.2020

Read:-1) Application for Guideship submitted by Dr.Reena Ittyachan.,Assistant Professor,Department of Physics,Sacred Heart College,Chalakudy ,Thrissur.
2) U.O.No.7150/2018/Admn dated 12.06.2018.
3) Remarks of the Chairman, PG Board of Studies in Physics, University of Calicut.
4) Orders of the Vice-Chancellor in the file of even number dated 25.03.2020.

ORDER

As per the paper read as 1st above, Dr.Reena Ittyachan.,Assistant Professor,Department of Physics,Sacred Heart College,Chalakudy ,Thrissur has applied for recognition as Research Guide of the University in Physics, with Department of Physics, Christ College, Irinjalakuda,Thrissur as her centre of Research.

According to paper read as 2nd above, the Vice-Chancellor has accorded sanction to amend the provisions of Calicut University Research Regulations 2016, which enabled granting Guideship to the Faculties of affiliated Colleges of the University, with centre of Research as the nearby Research Centres approved by the University of Calicut.

After verification of the documents submitted by Dr.Reena Ittyachan, the Chairman, PG Board of Studies in Physics, University of Calicut has recommended to grant recognition as Research Guide with Department of Physics, Christ College, Irinjalakuda,Thrissur as her centre of Research as per the paper read as 3rd above.

After having considered the matter in detail, sanction has been accorded by the Vice-Chancellor to grant recognition as Research Guide in Physics, to Dr.Reena Ittyachan.,Assistant Professor,Department of Physics,Sacred Heart College,Chalakudy ,Thrissur with Department of Physics, Christ College, Irinjalakuda,Thrissur as her centre of Research.

The Guide shall abide by the rules and regulations in force. The Guide shall also comply with the following conditions.

(a) The maximum number of research Scholars under a guide shall be 4 (four) at a time (Full time & Part time put together).

(b) The Guide shall be responsible for the course work, attendance and research progress of all Research Scholars registered with her.

(c) The Guide shall forward Progress Report of all Research Scholars registered with her.

Failure to comply with these provisions will lead to the cancellation of her guideship.

Orders are issued accordingly.

Sivadamini K.V

Deputy Registrar

To

Dr.Reena Ittyachan.,Assistant Professor,Department of Physics,Sacred Heart College,Chalakudy ,Thrissur Email:reenaittyachan@gmail.com

Copy to :The Principal,Sacred Heart College,Chalakudy ,Thrissur / The Principal,Christ College, IRinjalakuda,Thrissur / PS to VC / PA toRegistrar / Confidential Assistant, DoR (with a direction to update the website) / DoRBsection / SF

Forwarded / By Order

Section Officer

MEMORANDUM OF UNDERSTANDING (MOU)

BETWEEN

MATHLAB RESEARCH PVT. LTD.

AND

DEPARTMENT OF MATHEMATICS,

SACRED HEART COLLEGE, CHALAKUDY

This Memorandum of Understanding (MOU) is a service agreement, to provide Add-on courses in online mode for the ongoing degree students for acquiring necessary soft-skills, entered between **MathLab Research Pvt. Ltd.** (Hereafter referred to as **MathLab Research**), having its Registered Office at Ist floor, Anjikkath Tower, Koonamthai (P O), Edappally, Cochin-682 024, and the **DEPARTMENT OF MATHEMATICS, SACRED HEART COLLEGE,** Railway Station Road, Chalakudy, Thrissur- 680307 (hereafter referred to as **Department of Mathematics**).

To this end the parties operating under this MOU agree as follows: -

A. **MathLab Research** is a company, doing research, product development and provides industrial exposures to mathematics aspirants through industrial projects, trainings and Add-on courses.
B. **Department of Mathematics,** commenced in the year 1981, and in 2013 initiated BSc Programme with Statistics and Computer Science as Subsidiary Subjects. The department has been elevated to Post-Graduate Department (Aided Stream) in 2014.

The parties intend to enter into an MOU to conduct Add-On courses for the students of DEPARTMENT OF MATHEMATICS, SACRED HEART COLLEGE, CHALAKKUDY with MATHLAB RESEARCH as their training partner.

C. TRAINING PROGRAM: MathLab Research will provide training content, train students and conduct practice tests to enhance their soft skills needed for industry. The following add-on courses will be provided:

1. **Formulae and Functions in Excel**
2. **Basics of GeoGebra**
3. **Mathematical Typesetting Using Latex**
4. **Fundamentals of Data Science**

The details of the training program are included in **Annexure 1**.

D. **THE STUDENTS:** MSc Mathematics Students of **Department of Mathematics** will be beneficiaries of the course.

E. **RESPONSIBILITIES–MathLab Research:**
MathLab Research will provide the content of the training of Add-on courses through its's official website and that includes recorded videos of theory and problems, pdf materials, tutorials and tests. Proper documentation of all add-on courses such as schedule of classes, detailed syllabi of the Add-On courses, certificates of Add-On courses, attendance log, results of tests and internal/final evaluation marks, will be submitted to **Department of Mathematics.**

F. **RESPONSIBILITIES – Department of Mathematics,**

- **Department of Mathematics** shall admit students from each batch of MSc Mathematics from the academic year 2022 to any of the Add-On courses mentioned in **Annexure 1.**
- **Department of Mathematics** on its part will be responsible to promote the training program among students and get the students registered for the program.
- **Department of Mathematics** will assign one of its faculty as the Course Coordinator for the smooth conducting of the training program.
- **Department of Mathematics** shall provide the lab facilities for the practical sessions of Add-on courses.

G. **FEE:** The fee for this training program is attached in **Annexure-2**

H. **PAYMENT:** The fee is to be paid by **Department of Mathematics** directly to **MathLab Research** with intimation to the authorities concerned of **Department of Mathematics** before the commencement of the training. **MathLab Research** will formally produce an invoice for the same to initiate the payment.

I. **REGISTRATION FOR THE PROGRAM**: Course Coordinator of the **Department of Mathematics** shall work closely with the **MathLab Research** officials to complete all work related to the registration of the students for the program including the payment of the fees with proper documentation.

J. **THE SCHEDULE:** The schedule for the training sessions, practice tests and practical sessions, etc., and their timings shall be mutually decided by **MathLab Research** and **Department of Mathematics** taking into consideration of the regular class timings, university examinations etc. of the registered batch of students.

K. **CONDUCTING OF THE CLASSES:** The online classes for the modules shall be conducted through **MathLab Research**'s Website. The students should have the option to watch the video classes multiple times at their own convenience or **Department of Mathematics** shall provide the required facility(online/practical) for the registered students.

L. **EXCLUSIVE SESSIONS:** The sessions of each batch of **Department of Mathematics** are exclusively for the registered batch. Non-registered students will not have the access to the online course. Each course is designed for one class of students. Students from various departments or different year shall not be permitted to be grouped.

M. **TERM:** Terms of this MoU shall be for a period of three years (3 years) starting from 16th August 2022. The MoU can be renewed for a further period on terms agreed by the parties at that time. The courses will no longer be available after the above-mentioned duration. In case **Department of Mathematics** fails to admit students of a batch to any of the add-on courses, the MoU will be inactive thereafter.

N. **TERMINATION:** This MoU may be terminated by either party by notice in writing from the party not at fault if the other party is in breach of this MoU and fails to remedy the breach within thirty (30) days from receipt of notice in writing from the first party specifying the breach.

O. **CONFIDENTIALITY OF INFORMATION:** The parties herewith undertake to treat confidentially all information that they obtain directly or indirectly from each other within the framework of the student mobilization and training engagement. Confidential treatment means that the information obtained may not be made available to a third party and that the information may not be used for the parties' economic purposes or for the purposes of a third party. The parties undertake to use the information obtained solely for the purpose stipulated in this MoU. Any use going beyond that purpose or the conveying of information to a third party requires the written consent of both parties.

P. **FORCE MAJEURE:** Non-performance of either party (except for payment obligations) shall be excused to the extent that performance is rendered impossible by pandemics, strike, fire, flood, war, terrorism, act of God, government acts or orders or restrictions, failure of suppliers, or any other reason where failure to perform is beyond the control and not caused by the negligence of the non-performing party.

Q. **NON-COMPETE and NON- POACH: MathLab Research** and **Department of Mathematics** and its employees should not propose any potential project directly with the client(s)/ students for whom work is undertaken as part of this MoU without the formal and written consent of the other party.

R. **LANGUAGE:** The parties hereto are satisfied that this MoU and all related documents be drawn for training purposes or any other purposes in the English language.

S. **ALTERATION:** Alterations and supplements to this MoU must be made in writing to hold validity.
Neither of the parties shall do any act which is unethical, immoral or against any prevailing or future Law of India.

T. In the event of any dispute, the Courts in Ernakulam shall have jurisdiction

U. **DECLARATION:**IN WITNESS WHEREOF, THE UNDERSIGNED PARTIES, BY THEIR DULY AUTHORIZED REPRESENTATIVES BELOW, HAVE EXECUTED AND ENTERED INTO THIS MOU AS EFFECTIVE OF THE DATE OF SIGNATURE.

Department of Mathematics		**MathLab Research**	
SIGNATURE		**SIGNATURE**	
NAME		**NAME**	
TITLE		**TITLE**	
DATE		**DATE**	

Seal

Witness 1

Witness 2

Annexure 1 – Add-On Courses Training Details

No.	Topics	Details of Course
1	**Formulae and Functions in Excel**	• Course Duration- 30hrs per Semester • Recorded Video Sessions with Illustrations • Materials • Questions to be practiced in Labs • Internal and External Evaluation
2	**Basics of GeoGebra**	
3	**Mathematical Typesetting Using Latex**	
4	**Fundamentals of Data Science**	

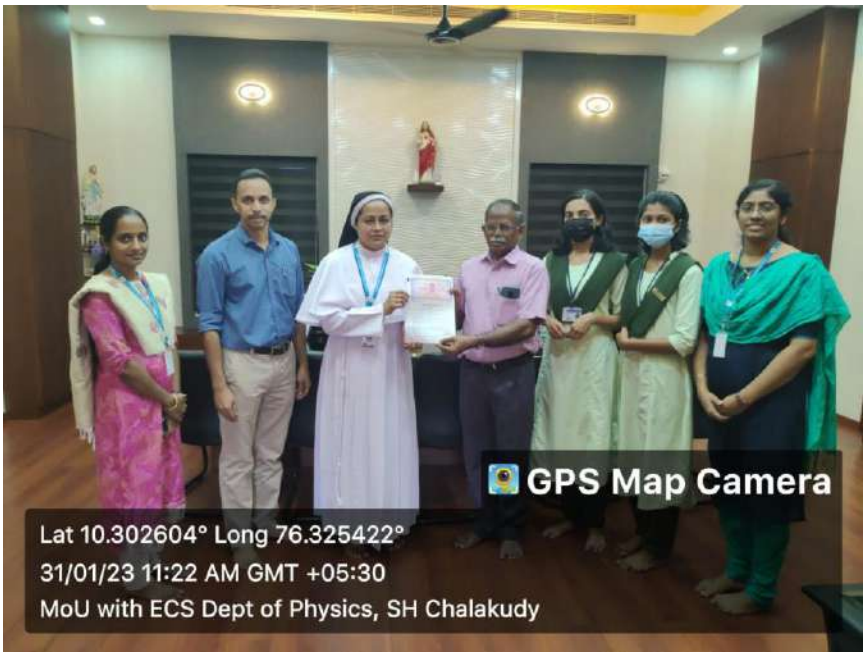
Annexure 2 – Fees Structure

COURSE	DETAILS	FEE STRUCTURE
Formulae and Functions in Excel	MSc Mathematics Students	₹ 5,000/- **per batch**
Basics of GeoGebra		₹ 5,000/- **per batch**
Mathematical Typesetting Using Latex		₹ 5,000/- **per batch**
Fundamentals of Data Science		₹ 5,000/- **per batch**

Activities Under Functional MoU

Energy Conservation Society (ECS)

Dr. K Soman, President, Energy Conservation Society (ECS) gave an awareness class on energy conservation and renewable energy sources on 23.02.2023 and he demonstrated the working of a solar cooker for the students.





Christ College(Autonomous), Irijalakuda

Dr. Nijo Varghese served as resource person for the Science Talent Enhancement Program (STEP) for selected school students organized by the Department of Physics, Christ College(Autonomous), Irijalakuda on 20.08.2023. He gave a talk on the topic From Galilean Telescope to James Webb Telescope and thereafter conducted the sky watch session for the participants.





Christ College (Autonomous) Irinjalakuda

CHRIST COLLEGE (AUTONOMOUS) IRINJALAKUDA

Certificate

20-08-2022

Dr. Nijo Varghese, *Assistant Professor, Department of Physics, S. H. College, Chalakudy*, participated as the resource person in the *Science Talent Enhancement Programme (STEP)* organized by the Department of Physics, Christ College (Autonomous) Irinjalakuda in collaboration with EKN Centre for Education Research & Development, Irinjalakuda on 20-08-2022. The title of the talk delivered by Dr. Nijo Varghese was "ഗലീലിയൻ ടെലസ്കോപ്പ് മുതൽ ജെയിംസ് വെബ് സ്പേസ് ടെലസ്കോപ്പ് വരെ".

Dr. K Y Shaju
Vice Principal
and HOD

DEPT. OF PHYSICS IRINJALAKUDA CHRIST COLLEGE

Rev. Fr. Dr. Jolly Andrews CMI
Principal

Providence College, Calicut

Dr. Nijo Varghese served as resource person for the Higher Secondary School Teachers Transformation Program(HSTTP) organized by the college and Directorate of General Education in association with Higher Education Department on 10-12-2022. He handled sessions on Astronomy, Telescope making, Astrophotography, Spectroscopy and conducted a sky watch session using a telescope for the participants and the students of the college.



Sl. 5031

Department of General Education, Govt. of Kerala

HSSTTP 2022-2023

HIGHER SECONDARY SCHOOL TEACHER TRANSFORMATION PROGRAMME

(02-12-2022 TO 11-12-2022)

Certificate

This is to certify that Mr. / Ms. DR. NIJO VARGHESE

DEPARTMENT OF PHYSICS, SACRED HEART COLLEGE, CHALAKUDY

has participated as Resource Person in the 10 Day Refresher Course in connection with Higher Secondary School Teacher Transformation Programme (HSSTTP) organized by Directorate of General Education (Higher Secondary Wing) in association with Higher Education Department on 10-12-22 *, at* PROVIDENCE COLLEGE, KOZHIKODE

R. Suresh Kumar
Joint Director (Academic)
General Education Higher Secondary Wing

Jeevan Babu K. IAS
Director of General Education

Exploring Extragalactic Component in the Ultraviolet Sky: Insights from GALEX Observations

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfillment of the requirement for the award of the degree

In

MASTER OF SCIENCE IN PHYSICS

By
ARSHNA PULLIKKUDI
Reg.No:SHAVMPH 005
Department of Physics,Sacred Heart College

Chalakudy,Thrissur
Under the guidance of
DR.SUJATHA N.V
Assistant Professor
Dept. of Physics
St.Xavier's College for Women ,Aluva
2021-2023 Aluva

DEPARTMENT OF PHYSICS
SACRED HEART COLLEGE, CHALAKUDY, THRISSUR, PIN-680741

CERTIFICATE

This is to certify that this project report entitled **"Exploring Extragalactic Component in the Ultraviolet Sky: Insights from GALEX Observations" Is** an authentic record of the project work carried out by Arshna pullikkudi, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision. The contents of this project work has not been presented earlier for the award of any other degree in any other universities.

Internal Guide

Ms. Fency K F
Assistant Professor
Dept. of Physics
Sacred Heart College, Chalakudy

External Guide

DR.Sujatha N V
Assistant Professor
Dept. of Physics
St.Xavier's College for Women, Aluva

Place: Chalakudy

Date: 2/8/2023

SACRED HEART COLLEGE PG DEPT OF PHYSICS CHALAKUDY

DEPARTMENT OF PHYSICS
SACRED HEART COLLEGE, CHALAKUDY, THRISSUR, PIN-680741

CERTIFICATE

This is to verify that the dissertation entitled "**Exploring Extragalactic Component in the Ultraviolet Sky: Insights from GALEX Observations**" is a bonafide record done by ARSHNA PULLIKKUDI (SHAVMPH005) at Department of Physics, St.Xavier'sCollege for Women Aluva in partial fulfillment of the requirement for the MASTER OF SCIENCE in PHYSICS of Department of Physics, Sacred Heart College, Chalakudy, Calicut University during the period 2021-2023.

Dr. NIJO VARGHESE

HEAD OF THE DEPARTMENT

SACRED HEART COLLEGE CHALAKUDY

DIFFUSE ULTRAVIOLET STUDIES OF CHANDRA DEEP FIELD

Project report submitted to the
UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree

In

MASTER OF SCIENCE IN PHYSICS

By

NIKHILA PAUL

Reg.No:SHAVMPH008

Department of Physics,Sacred Heart College Chalakudy,Thrissur

Under the guidance of

Dr. Sujatha N. V
Assistant professor
Dept. Of physics
St. Xavier's college for women, Aluva

2021-2023

DEPARTMENT OF PHYSICS

SACRED HEART COLLEGE, CHALAKUDY, THRISSUR, PIN-680741

CERTIFICATE

This is to certify that this project report entitled "**DIFFUSE ULTRAVIOLET STUDIES OF CHANDRA DEEP FIELD**" is an authentic record of the project work carried out by Sr.Nikhila Paul, student of Master of Science in Physics, Department of Physics, Sacred Heart College, Chalakudy, successfully completed under my supervision. The contents of this project work has not been presented earlier for the award of any other degree in any other universities.

Internal Guide

Ms. Fency K F
Assistant Professor
Dept. of Physics
Sacred Heart College, Chalakudy

External Guide

DR.Sujatha N V
Assistant Professor
Dept. of Physics
St.Xavier's College for Women, Aluva

Place: Chalakudy

Date: 2/8/2023

GREEN SYNTHESIS OF SILVER NANOPARTICLES USING SCLEICHERA OLEOSA PLANT EXTRACT AND THEIR NONLINEAR OPTICAL STUDIES

MSc Project Report

Submitted to

SACRED HEART COLLEGE CHALAKUDY

Affiliated to the University of Calicut in partial fulfillment of the requirement for the award of the degree of

MASTER OF SCIENCE IN PHYSICS

March 2023

Submitted by

RITTY LONAPPAN

SHAVMPH010

Under the Guidance of

Dr. BENOY ANAND

Assistant professor

Department of physics

St. Joseph's College, Irinjalakuda

Department of physics

Sacred Heart College, Chalakudy

CERTIFICATE

This is to certify that the dissertation entitled **"GREEN SYNTHESIS OF SILVER NANOPARTICLES USING SCLECHERA OLEOSA PLANT EXTRACT AND THEIR NONLINEAR OPTICAL STUDIES"** is a bonafide record of work done by **RITTY LONAPPAN** (SHAVMPH010) at St. Joseph's college, Irinjalakuda under the guidance of **Dr. BENOY ANAND** in partial fulfillment of the requirement for the award of Master of Science in Physics from University of Calicut during the period of March 2022 to July 2023.

Head of department

Dr. Nijo Varghese

Associate professor

Sacred Heart College, Chalakudy

Certified that the candidate, Reg no: SHAVMPH010 was examined in the in the project viva held on ..Sacred...Heart...College....Chalakudy.

External examiners:

1) Sruthy. N.S.

2) JISWIN VARGHESE

Biogenic Synthesis of Iron Oxide Nanoparticles in Varied Conditions and Study of the Structural and Optical properties

Project Report
Submitted to the
University of Calicut
partial fulfilment of the requirements for the award of the degree

MASTER OF SCIENCE
IN
PHYSICS

Under the guidance of
Dr.Veena Gopalan E

Asst. Professor, Department of physics,

Vimala College (Autonomous), Thrissur

By
Sandra Roji
Reg. No: SHAVMPH011

Department of Physics
Sacred Heart College, Chalakkudy
Thrissur
Kerala
2022-2023

PG & Research Department of Physics
Vimala College (Autonomous)
Thrissur

CERTIFICATE

This is to certify that the project work entitled **"Biogenic Synthesis of Iron Oxide Nanoparticles in Varied Conditions and Study of the Structural and Optical properties"** is a bonafide work done by Ms. SANDRA ROJI (Reg No:SHAVMPH011)under the guidance of Dr. Veena Gopalan E, Assistant Professor, Department of Physics, Vimala College (Autonomous), Thrissur during the academic year of 2022-2023 and submitted for partial fulfilment of requirement of the award of Degree of MASTER OF SCIENCE in Physics.

Dr. Veena Gopalan E
(Project Guide)
Asst. Professor, Department of Physics
Vimala College (Autonomous), Thrissur

Examiner 1: Sruthy.N.S

Examiner 2: JISWIN VARGHESE

Investigation on the Structural and Dielectric Properties of Cobalt Substituted Lanthanum Sodium Manganite Synthesized by Sol-Gel Auto-Combustion Method

PROJECT REPORT

submitted to the
UNIVERSITY OF CALICUT
partial fulfilment of the requirements for the award of the degree

Master of Science
in
Physics

Under the guidance of
Dr. Veena Gopalan E

Assistant Professor, Post Graduate and Research Department of physics,
Vimala College (Autonomous), Thrissur

by
AIBEL JOHN

SHAVMPH001

Department of Physics
Sacred Heart College, Chalakudy
Thrissur
Kerala
2022-2023

SACRED HEART COLLEGE PG DEPT OF PHYSICS CHALAKUDY

Scanned with OKEN Scanner

Post Graduate & Research Department of Physics
Vimala College (Autonomous)
Thrissur-09

CERTIFICATE

This is to certify that the project work entitled **"Investigation on the Structural and Dielectric Properties of Cobalt Substituted Lanthanum Sodium Manganite Synthesized by Sol-Gel Auto-Combustion Method"** is bonafide work done by **Ms. Aibel John**(Reg No:SHAVMPH001) under the guidance of **Dr. Veena Gopalan E**, Assistant Professor, Post Graduate and Research Department of Physics, Vimala College (Autonomous), Thrissur during the academic year of 2022-2023 and submitted for partial fulfilment of requirement of the award of Degree of Master of Science in Physics.

Dr. Veena Gopalan E
(Project Guide)
Assistant Professor,
Department of Physics
Vimala College (Autonomous), Thrissur

Examiner 1: JISWIN VARGHESE

Examiner 2: SRUTHY. N. S.

PG DEPT OF PHYSICS

Scanned with OKEN Scanner

CIRCULAR MICRO STRIP PATCH ANTENNA FOR GPS APPLICATIONS

Project report submitted to the

UNIVERSITY OF CALICUT

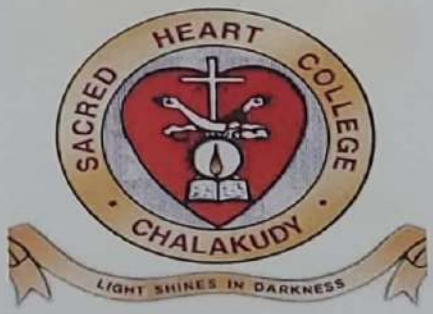
in partial fulfilment of the requirement for the award of the degree

MASTER OF SCIENCE IN PHYSICS

By

ANILA K J

SHAVMPH004





Under the guidance of

Dr. JOE KIZHAKOODEN

HEAD & ASSISTANT PROFESSOR

DEPARTMENT OF PHYSICS

ST.THOMAS COLLEGE, AUTONOMOUS, THRISSUR

2021-2023

Scanned with OKEN Scanner

DEPARTMENT OF PHYSICS
ST.THOMAS COLLEGE, AUTONOMOUS, THRISSUR

CERTIFICATE

This is to certify that the project work entitled "CIRCULAR MICROSTRIP PATCH ANTENNA FOR GPS APPLICATIONS" by Ms.ANILA K J, Department of Physics, Sacred Heart College Chalakudy, in partial fulfilment of the requirement for the award of the Degree of Master of Science in Physics, is an authentic record of the work carried out under my supervision and guidance.

Dr. JOE KIZHAKOODEN
HEAD & ASSISTANT PROFESSOR,
DEPARTMENT OF PHYSICS,
ST..THOMAS COLLEGE, AUTONOMOUS,
THRISSUR

DATE: 05/08/2023

PLACE: Thrissur

Scanned with OKEN Scanner

RECTANGULAR PATCH ANTENNA WITH SYMMETRICAL U SLOT ON PARTIAL GROUND FOR UWB APPLICATION

Project report submitted to the

UNIVERSITY OF CALICUT

In partial fulfilment of the requirement for the award of the degree

MASTER OF SCIENCE IN PHYSICS

BY

NEENA MOL U.T

SHAVMPH007

Under the guidance of

DR. JOE KIZHAKOODEN

HEAD &ASSISTANT PROFESSOR

DEPARTMENT OF PHYSICS

ST. THOMAS COLLEGE, AUTONOMOUS, THRISSUR

2021-2023

CERTIFIED AS BONAFIDE RESEARSH WORK

HEAD OF THE DEPARTMENT

H O D
Department of physics
Sacred Heart College,
Chalakudy

EXTERNAL EXAMINER

1. Sruthy N S
2. JISWIN VARGHESE

DEPARTMENT OF PHYSICS
ST. THOMAS COLLEGE, AUTONOMOUS, THRISSUR

CERTIFICATE

This is to certify that the project work entitled "RECTANGULAR PATCH ANTENNA WITH SYMMETRICAL U SLOT ON PARTIAL GROUND FOR UWB APPLICATION" by NEENA MOL U.T, Department of Physics, Sacred Heart College Chalakudy, in partial fulfilment of the requirement for the award of the Degree of Master of Science in Physics, is an authentic record of the work carried out under my supervision and guidance.

DATE: 05/08/2023

DR.JOE KIZHAKOODEN
HEAD & ASSISTANT PROFESSOR,
DEPARTMENT OF PHYSICS,
ST. THOMAS COLLEGE, AUTONOMOUS,
THRISSUR

PLACE: Thrissur

FDP On Service Rules For Teachers

A faculty development programme was organized by IQAC for teaching staff on 19th September 2022 on the topic Service rules for teachers. Adv. Najeeb P S, (HOD)Dept. of commerce, Sacred Heart College,Chalakudy was the resource person. He highlighted Kerala service rules and responsibilities of the teachers. Teachers gained a lot of information on the topic by interacting with the resource person. 44 teachers attended the session.

Brochure



Participation List

Faculty Development Program

Organized by

Internal Quality Assurance Cell (IQAC)

"Essential Service Rules"

Date: 19-09-2022 Time 2.30PM Venue: Clare Hall

SL. No	Name	Department	Signature
20.	Dr. ANJALY JALOB K.	Chemistry	
21	Ms. Shyama. I	physics	
22	Ms. LIBI PRAKASH	"	
23	Ms. Sruthy. P.K	Commerce	
24	Kavya . K.R	"	
25	Nayana Sreedharan	"	
26	Agna Anto	"	
27	Farsana P M	"	
28	Anju PA	"	
29	Revathy MS	"	
30	Divya Rajan	"	
31	Dasly Mathew	English	
32	Keerthana P.K.	English	
33.	Bindu Jose	"	
34.	A. Princy Anto	English	
35.	Athira Meras	English	
36	Christy Rose	"	
37.	Anu Rose J.	"	
38.	Annette Teresa Berry	"	

Faculty Development Program

Organized by

Internal Quality Assurance Cell (IQAC)

"Essential Service Rules"

Date: 19-09-2022 Time 2.30PM Venue: Clare Hall

SL. No	Name	Department	Signature
39.	Dr. Vijitha Mukundan	Mathematics	Vijitha
40	SMINA. M. B	History	
41	Meena. Jacob	- "	Meena
42	Anju P.B	Economics	
43	Deepa M	Computer Science	
44	Betty K.P.	Botany	Betty

Photographs

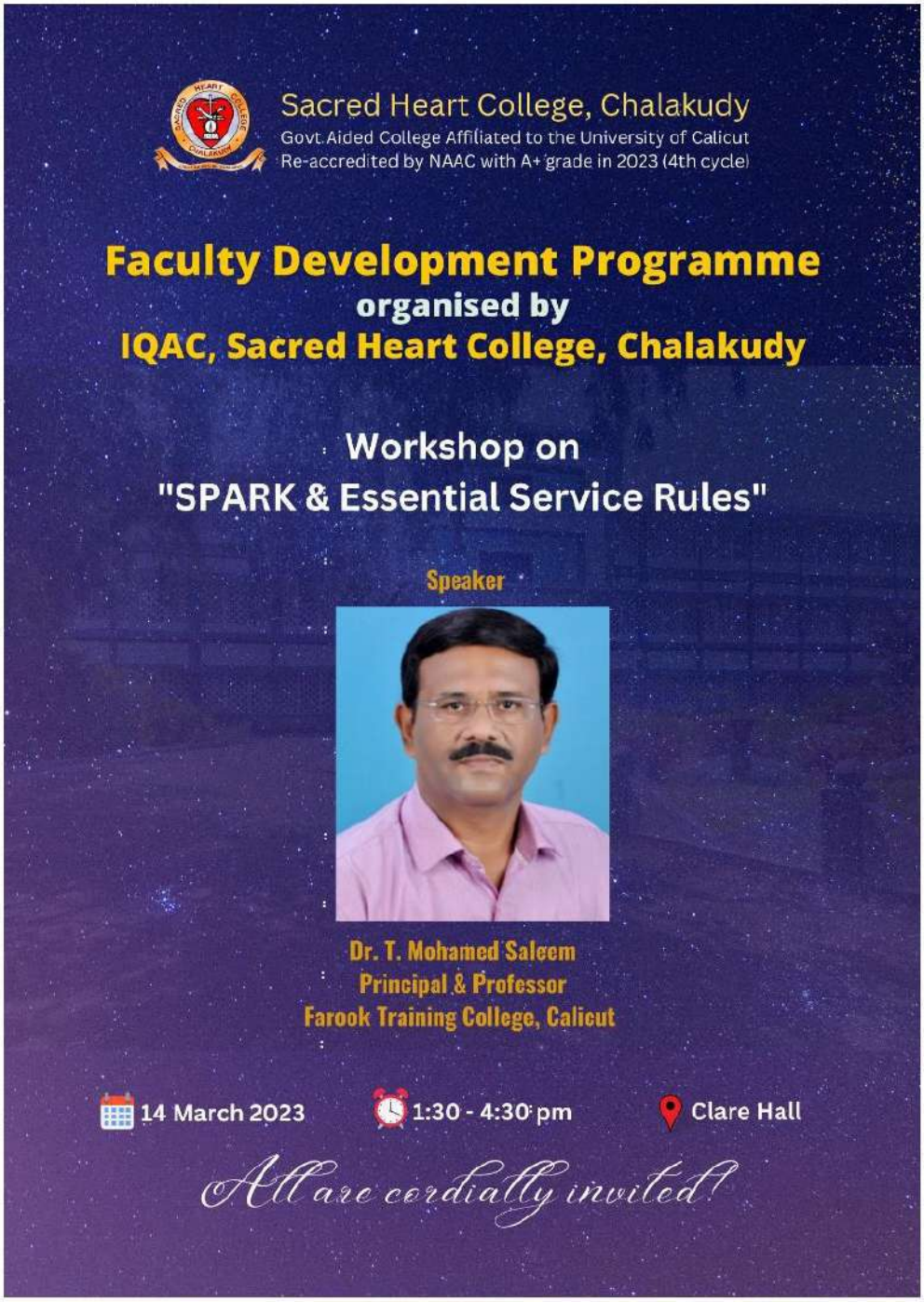




FDP on SPARK And Essential Service Rules

A faculty development programme was organized by IQAC for teaching and non-teaching staff on 14th March 2022 on the topic "SPARK and Essential Service Rules". Dr. T Mohammed Saleem, Principal & Professor, Farook Training College, Calicut was the resource person. He focussed on essential service rules for teaching and non-teaching staff. Listeners gained a lot of information on the topic by interacting with the resource person. 52 staff attended the session.

Brochure



Sacred Heart College, Chalakudy

Govt. Aided College Affiliated to the University of Calicut

Re-accredited by NAAC with A+ grade in 2023 (4th Cycle)

Faculty Development Programme

Organised by

Internal Quality Assurance Cell (IQAC)

"Workshop on SPARK & Essential Service Rules"

Date: 14-03-2023 Venue: Clare Hall Time: 1:30 pm - 4:30 pm

Programme Schedule

Prayer

Welcome Speech : Dr. Sr. Irene (Principal)

Introducing the Resource Person : Ms. Stephy K Sunny (UGC Librarian)

Session 1

SPARK & Service Rules

Prof. Dr. T Mohammed Saleem
(Principal, Farook Training College, Calicut)

Tea Break

Session 2

Promotion under Career Advancement Scheme

Prof. Dr. T Mohammed Saleem
(Principal, Farook Training College, Calicut)

Vote of Thanks : Mr. Nijil Jacobi (IQAC Joint Coordinator)

Faculty Development Programme

Organised by

Internal Quality Assurance Cell (IQAC)

Sacred Heart College, Chalakudy

"Workshop on SPARK & Essential Service Rules"

Date: 14-03-2023 Venue: Clare Hall Time: 1:30 pm - 4:30 pm

Attendance Sheet

Sl. No.	Name	Department	Signature
1	Stephy K Sunny	Library	
2.	Sindhu. I.	CS	
3.	Dr Tisha Jose Panackal	"	
4	JULIE. P. A	CS	
5	Dr. Betty K. P.	Botany	
6.	Dr. A. Fanny Jacob	English	
7	Rani Pauly	Zoology	
8	Pavizham. K.P	"	
9	Mable Varghese	"	
10	Amala Mary George	Mathematics	
11.	Dr. Vijitha Mukundan	Mathematics	
12	RASOONA. N. K	office assistant	
13	SMINA. M. B	History	
14	Meenu. Jacob	"	
15	Vishnupriya. K. G	Economics.	
16	Anju. P.B	"	
17	Mishma Davis	"	
18.	Niredhitha AJayghosh	Psychology	

Faculty Development Programme

Organised by

Internal Quality Assurance Cell (IQAC)

Sacred Heart College, Chalakudy

"Workshop on SPARK & Essential Service Rules"

Date: 14-03-2023 Venue: Clare Hall Time: 1:30 pm - 4:30 pm

19.	Bindu Jose	ENGLISH	
20	Dr. Sr. Mini T V	Computer Science	
21	Sr Rosy Jakson	Office	
22	Sr. Rose Prabha	Library	
23	SHIRLEY JOSE K	ECONOMICS	
24	Sr. JINI M.T	Malayalam	
25	SHEETA JOHN	HINDI	
26	SR. JIMINI. U.V	Office	
27	Shyma. K.S	Malayalam	
28	ATHIRA. T.A	Commerce	
29	SHINU JOY	Commerce	
30	Sr. Jiya Francis	office	
31	Sr. Mariya Paul	office	
32	Mr. Jose James	Political Science	
33	Sr. Roshin	OFFICE	
34	Sr. Riya Raphael	Office	
35	Laina. A.L	Chemistry	
36.	Anjana. E.S	chemistry	
37.	Dr. ANJALY JACOB K.	chemistry	

Faculty Development Programme

Organised by

Internal Quality Assurance Cell (IQAC)

Sacred Heart College, Chalakudy

"Workshop on SPARK & Essential Service Rules"

Date: 14-03-2023 Venue: Clare Hall Time: 1:30 pm - 4:30 pm

38	Liya Francis	Chemistry	
39	Libin Francis	History	
40	Revathy M S	Commerce	
41	Farsana P M	Commerce	
42	Nayana Sreedharan	Commerce	
43	Soorby P.K	Commerce	
44	Nidhin T.J	Mathematics	
45	Nijo Varghese.	Physics	
46	Divya Rajan	Commerce	
47	Anju P. A.	Commerce	
48	Haripriya V.J	Commerce	
49	Sreeja. N. Warrier	Commerce	
50.	Dr. V. NEETHA	Zoology	
51.	Ms. Fency K.F	Physics	
52.	Nijil Jacobi	Economics	

Photograph


INTERNAL QUALITY
ASSURANCE CELL (IQAC)
SACRED HEART COLLEGE, CHALAKUDY
Dr. T. Mohamed Saleem
Consultant Service Expert
Farook Training College, Calicut
Mobile: 9496363353
e-mail: drsalimt@gmail.com.



SACRED HEART COLLEGE
CHALAKUDY

Light shines in darkness

POST GRADUATE DEPARMENT OF COMMERCE ORGANISES
"WORKSHOP ON RESEARCH METHODOLOGY "

Resource Person :

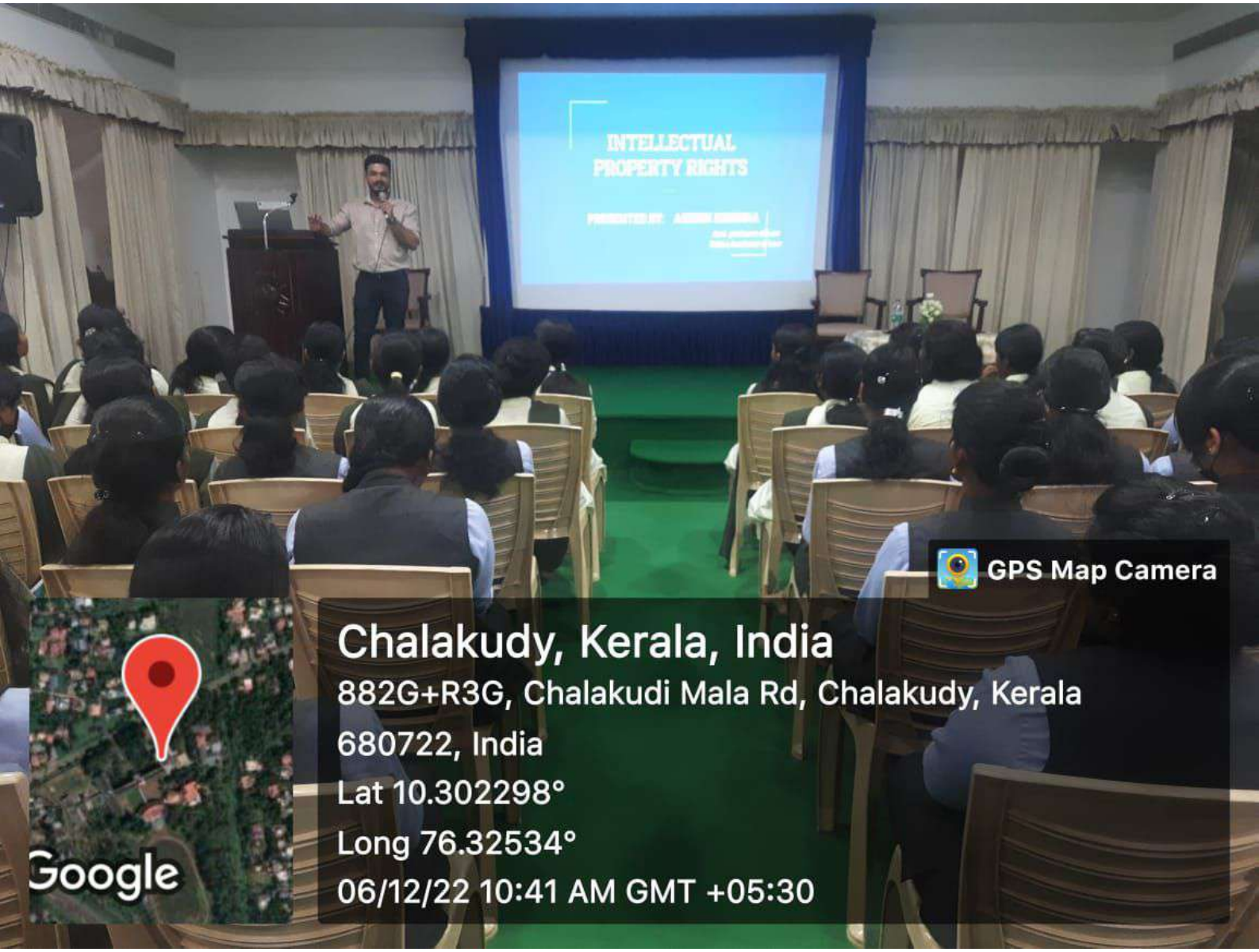
Dr.MADHUSOODANAN KARTHA N V
Assistant Professor of Commerce
Sri C Achutha Menon Government College, Kuttanellur



DATE : 01/12/2022
TIME :1.30 PM
VENUE: COLLEGE AUDITORIUM


GPS Map Camera
Chalakudy, Kerala, India
882G+R3G, Chalakudi Mala Rd, Chalakudy, Kerala
680722, India
Lat 10.302378°
Long 76.325336°
06/12/22 10:39 AM GMT +05:30
Google




INTELLECTUAL
PROPERTY RIGHTS
GPS Map Camera
Chalakudy, Kerala, India
882G+R3G, Chalakudi Mala Rd, Chalakudy, Kerala
680722, India
Lat 10.302298°
Long 76.32534°
06/12/22 10:41 AM GMT +05:30
Google

SACRED HEART COLLEGE
CHALAKUDY
Light shines in darkness

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

ED Club, IIC and PG Department of Commerce Organises

SEMINAR ON INTELLECTUAL PROPERTY RIGHTS

In Association with IQAC



Resource Person: Adv. Ashbin Krishna
Assistant Professor
Nehru Academy of Law Palakkad

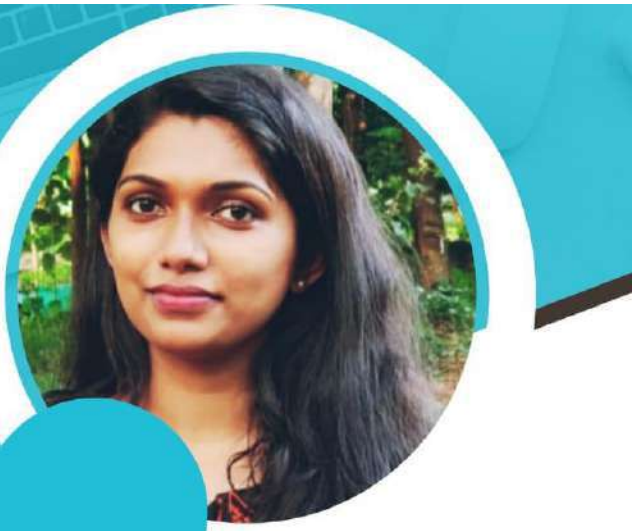
Feb 13 2023 10 AM Clare Hall

2022-23

Department organised an Seminar on 24th January 2022. The seminar conducted by Riya Elamma Raju. She talked about the women empowerment. She is working as women facilitator in Chalakudy Muncipality. She motivated the students by telling them the need of job for their sustenance



Sacred Heart College, Chalakudy





Topic : Women Empowerment

Date : 24th January 2023

Time : 1.30 PM

Venue : 3rd DC History

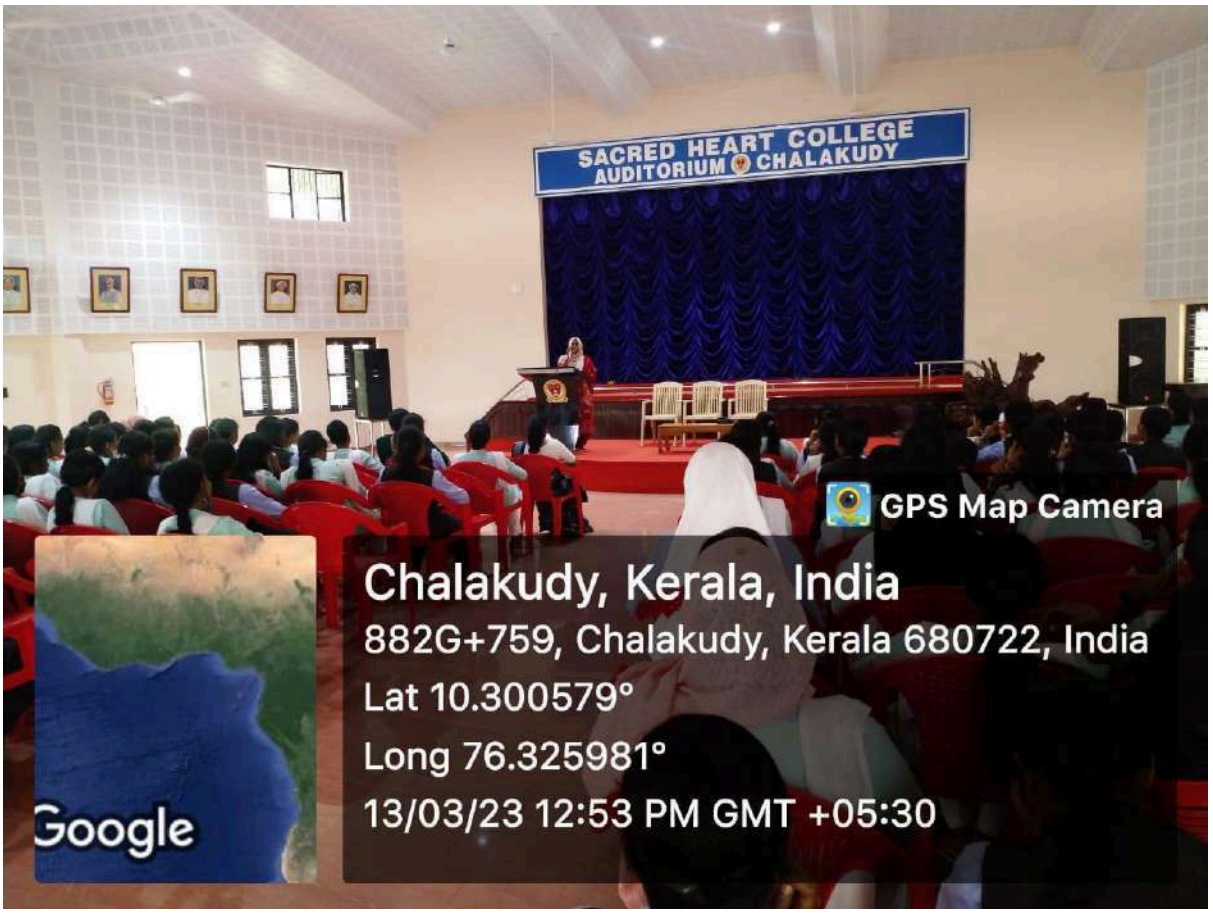
Ms. Riya Elamma Raju
Women Facilitator
Chalakudy Municipality

How to be a true Entrepreneur!

As part of International Women's Day a talk was conducted for the students in the college auditorium. The Resource person was an alumni of the college Advocate Sabeena Ashraf, HR and Legal advisor of Al Maeedah Group. The talk was on how to be a good entrepruenuer. It was an interactive session in which the students participated eagerly. It was an initiative by the women cell and IIC of the institute which proved to be very informative for the students.



Brochure of the program



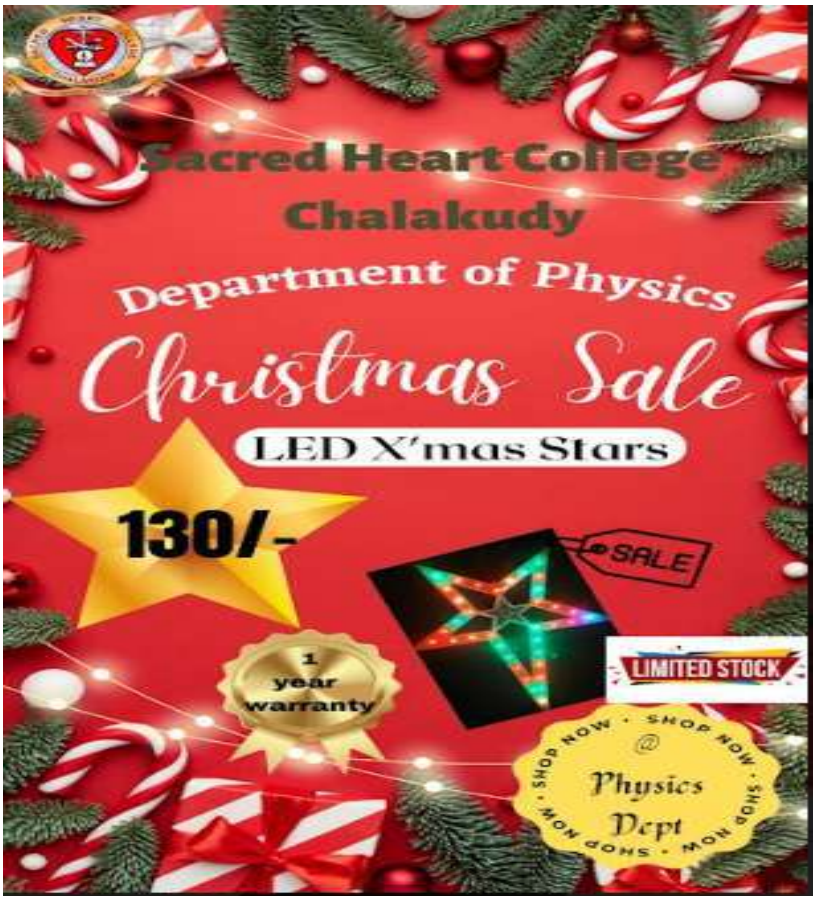
Talk by Adv. Sabeena Ashraf

List of Volunteers

1. Subi Arjunan
2. Kripamariya
3. Akhila Madhu

WORKSHOP ON LED STAR MAKING

As a part of Skill development training programme,Department of physics conducted LED star making workshop on 01-12-2022 for I DC,II DC,IMSc physics students.They were given training to assemble LED Stars of different patterns.The programme was held at BSc physics lab. Ms. Fency K.F, Faculty of the department and lab technician Mr. Jaison Thomas gave the students the required instructions and guidance. The sale of the stars was inaugurated by Dr. Sr. Irene.20 LED stars were sold to the students and staff of the college. The workshop enhanced the practical implementation of the knowledge to the students and also gave a small idea on marketing their skills.




GPS Map Camera
Lat 10.301807° Long 76.325253°
02/12/22 02:56 PM
LED Star Making Workshop 2022 Department of Physics, SH College







LIST OF PARTICIPANTS

SI .NO	NAME	CLASS
1	ANAGHA SURESH M	I MSc PHYSICS
2	ANUPRIYA K M	I MSc PHYSICS
3	LITTY THOMAS	I MSc PHYSICS

4	MARIN JOSE	I MSc PHYSICS
5	GOURI S	I MSc PHYSICS
6	SOUMYA CHARLY	I MSc PHYSICS
7	HIBA SHERIN	I MSc PHYSICS
8	VINEESHA BABU	I MSc PHYSICS
9	ADHINANDA M NAIR	I DC PHYSICS
10	ANJALI K	I DC PHYSICS
11	ANMARIYA BINOJ	I DC PHYSICS
12	ANNA JOSLIN	I DC PHYSICS
13	ARYALAKSHMI C S	I DC PHYSICS
14	DEVIKA SIVANAND	I DC PHYSICS
15	FARSANA K S	I DC PHYSICS
16	JERIL JOHNSON	I DC PHYSICS
17	KRISHNAPRIYA E R	I DC PHYSICS
18	SAVINA K I	I DC PHYSICS
19	SHANA NESRIN K A	I DC PHYSICS
20	SIVADHA.K	I DC PHYSICS
21	AISWARYA P A	II DC PHYSICS
22	ALEENA THANKACHAN	II DC PHYSICS
23	ALISHA SHAJI	II DC PHYSICS
24	ANGEL ROSE BAIJU	II DC PHYSICS
25	ANN MARY JOY	II DC PHYSICS
26	DEVIKA K S	II DC PHYSICS
27	GOPIKA A M	II DC PHYSICS
28	MEGHA KS	II DC PHYSICS
29	NANDANA MURALI	II DC PHYSICS

30	SETHULAKSHMI P M	II DC PHYSICS
31	SHAHIMA AZAD	II DC PHYSICS
32	SWATHI SAJAN	II DC PHYSICS
33	VAFA MARIYAM TP	II DC PHYSICS
34	REVATHY MENON	II DC PHYSICS

Inauguration of the Association of Zoology Department: Exploring Career Opportunities in Research

Venue – Clare Hall

Date – 1 December 2022

Introduction:

The inauguration of the Association of Zoology Department was held at Clare Hall 1st December 2022. The event aimed to provide students and faculty members with insights into career opportunities in research and related disciplines.

The inauguration ceremony commenced with a warm welcome address by Dr. Tessy KL, Head of the department of Zoology, highlighting the importance of academic associations in promoting interdisciplinary collaboration and knowledge exchange. Distinguished chief guest of the day was Dr. Joseleen Jose, Principal Scientist, Shellfish Fisheries Division, Central Marine Fisheries Research Institute, Kochi. Faculty members, and students gathered to celebrate the launch of the association and its mission to advance the frontiers of zoological research.

This was followed by an inauguration by lighting of the lamp to commemorate the beginning of the events to be organised by the Department of Zoology. This was followed by a technical session on the topic “The prospects of shell fish culture especially on crab culture” by the chief guest. She shared valuable insights into the evolving landscape of zoology and emphasized the myriad career opportunities available to aspiring researchers.

The lecture was followed by an interactive sessions designed to facilitate dialogue between students and professionals. Participants had the opportunity to pose questions, seek guidance, from the chief guest. The interactive nature of the sessions fostered a sense of community and camaraderie among attendees, inspiring collaboration and mentorship opportunities.

In conclusion, the inauguration of the Association of Zoology Department provided a platform for students and faculty members to explore career opportunities in research and related disciplines. Through insightful discussions, interactive sessions, and collaborative endeavors, the event reinforced the department's commitment to nurturing the next generation of zoologists and advancing knowledge in the field. As the association embarks on its journey, it is poised to make significant contributions to the field of zoology and inspire future generations of researchers and scholars.





Hands-on Training in Mushroom Cultivation: Empowering Participants with Practical Skills

Venue: Agronomy Research Station, Koodapuzha

Date: 6th and 7th January 2023

Introduction:

The hands-on training in mushroom cultivation held on 6th and 7th of January 2023 served as an immersive learning experience designed to equip participants with practical skills and knowledge in the art and science of mushroom cultivation. Held at Agronomy Research Station, Central Zone, Koodapuzha on 1st December 2022, the workshop aimed to demystify the process of mushroom cultivation and empower participants to explore opportunities in this burgeoning industry.

The workshop commenced with an overview of mushroom cultivation techniques, led by Dr. Mini Abraham, Senior Scientist of the Agronomy Research Station along with other seasoned experts in mycology and agriculture. Participants gathered with a shared interest in learning the intricacies of mushroom cultivation and its potential applications in agriculture and agribusiness.

The workshop began with an in-depth exploration of the theoretical foundations of mushroom cultivation, including substrate preparation, spawn inoculation, environmental conditions, and pest management. Participants gained insights into the lifecycle of mushrooms, understanding the biological and environmental factors that influence their growth and development.

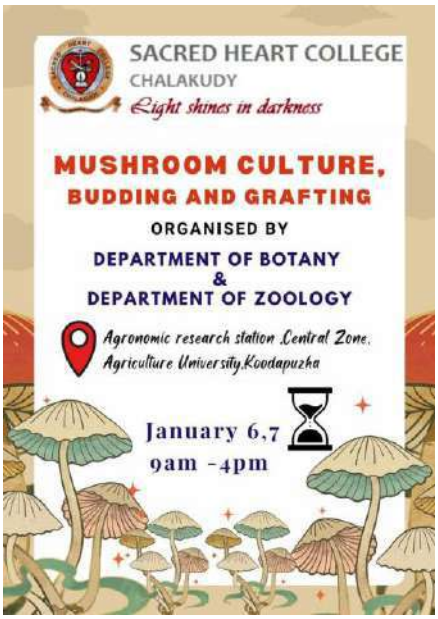
Following the theoretical session, participants engaged in hands-on demonstrations, where they learned essential techniques and best practices in mushroom cultivation. Under the guidance of expert facilitators, participants actively participated in substrate preparation, spawn inoculation, and the creation of optimal growing conditions for different mushroom species.

These sessions provided the participants with valuable insights into commercial mushroom production, quality control measures, and market dynamics, inspiring them to explore entrepreneurship opportunities in mushroom cultivation.

Throughout the workshop, interactive sessions facilitated knowledge exchange and networking among participants and facilitators. Participants had the opportunity to ask questions, share experiences, and engage in discussions on advanced topics such as mushroom breeding, disease management, and value-added product development.

In conclusion, the hands-on training in mushroom cultivation provided participants with a comprehensive understanding of the principles and practices underlying successful mushroom cultivation. Through theoretical insights, practical demonstrations, and field visits, participants gained the confidence and skills necessary to embark on their journey in mushroom cultivation, whether as hobbyists, farmers, or entrepreneurs. As interest in sustainable agriculture and alternative food sources continues to grow, workshops like these

play a crucial role in empowering individuals to harness the potential of mushroom cultivation for economic empowerment and environmental sustainability.



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Annual Awareness Program for Students

Student Induction Programme 2022

Student Induction Programme 2022 was held in three days from November 9–11, 2022, under the planning of Ms. Stephy K. Sunny, Ms. Amala Mary George, and Mr. Nijil Jacobi. The programme was inaugurated on November 9 by Principal Dr. Sr. Irene. Mr. Jibin Joseph Jose, Professional Trainer and Faculty, Institute of Chartered Accountants of India, was the resource person for Day 1, and held the class on "Unleash Your Potential". The session was highly interactive, engaging, and informative. The session from 1:00pm to 2:00pm was a talk on "Love and Revenge" by the clinical psychologist Ms. Juliet Shony. The talk had a positive impact on the students. The session from 2:00 p.m. to 3:00 p.m. was handled by Dr. Jesmy Jose, Assistant Professor, Department of Physical Education. She introduced the physical education department to the students, gave a talk on "Physical Activity and Health", and also organized a game session for them. Day2 started with introducing IQAC, clubs, and cells to the students. Dr. Shirley Jose, IQAC coordinator and HoD, Department of Economics, described the functioning of the IQAC, whereas the clubs and cells were introduced by the respective staff in charge. A library orientation was conducted by Ms. Stephy K. Sunny, UGC Librarian, from 10:00 a.m. to 11:00 a.m. The topic for the next session was "New Era of Banks" by the Digital Banking Unit, South Indian Bank. The resource persons were Ms. Anjali S., the Branch Head of Chalakudy, and Ms. Shilpa, Regional Sales Associate. They also demonstrated the opening of SIB accounts online. Mr. Shijo John, entrepreneur and advisor, handled the afternoon session. The session on "How to Choose a Career" provided a deep overview of strategies to identify a career. Day 2 was concluded with the "Meet the Seniors" program, where the senior students exhibited their extra curricular skills. The resource person for the third day was Mr. Praveen Chirayath, corporate trainer and life coach, who gave an engaging and captivating talk on "Goal Setting and Developing Leadership Skills". The evening session started with introducing the College Union, after which the college karate team demonstrated their skills. The programme was concluded with feedback from the students.




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