



Holy Cross College (Autonomous)

Nagercoil – 629 004

Affiliated to Manonmaniam Sundaranar University, Tirunelveli
Nationally Accredited with A+ Grade (CGPA 3.35) by NAAC IV Cycle
An ISO 9001:2015 Certified Institution

SSR
2019-2020
to
2023-2024

6.3.3 Percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDPs)/ Management Development Programmes (MDPs) during the last five years

Crossian Centre for Research and Development

Holy Cross College (Autonomous), Nagercoil

Report of the Research Committee for the Academic year 2022-2023

The Crossian Centre for Research and Development of Holy Cross College (Autonomous), Nagercoil meticulously organizes programmes to promote research interests. It works with the noble objectives of accomplishing research excellence in various disciplines, disseminating information on publishing scholarly research and instilling knowledge on IPR and patent. Our Research Ecosystem consists of a Chairperson, Dean of Research, Research coordinator, Research Advisory Committee, Research Ethics Committee and Crossian Research Forum. The Crossian Research Forum meets every second day order during the Hour of Blossoming to discuss on endorsing quality and innovative research among the research community.

1. Incentives to the Faculty for Research

As a source of motivation, in the beginning of every academic year, incentives will be provided to the faculty for their research contribution. The Crossian Research Forum arranged a meeting on 21st July 2022 to distribute the incentives for the academic year 2021-2022.



2. Crossian Research Seed Money Scheme (CRSMS)

In order to make research as campus culture, the Crossian Centre for Research & Development established seed money scheme. The Dean of Research has made announcement for the proposals for Crossian Research Seed Money Scheme (CRSMS) on 5th September 2022 through Faculty WhatsApp Group with the format. As per the announcement 11 proposals were received. The Research Advisory Committee (RAC) scrutinised all the 11 proposals and recommended 6 proposals on 28th October 2022.

Following are the accepted proposals:

1. CRF-1/22-11: Dr. F. Brisca Renuga and Sr. K. Francy. Formulation and evaluation of natural hair colourants.
2. CRF-2/22-11: Dr. A. Punitha. Optimization of pH and temperature for an ornamental fish cell line.
3. CRF-3/22-11: Dr. S. Vimal Dolli and Dr. A. Sameema. A study on health care expenditure of tribal people in Pechiparai of Kanyakumari District.
4. CRF-4/22-11: Dr. Y. Christabel Shaji and Dr. S. Ajith Sindhuja. Metal organic framework for catalytic applications.
5. CRF-6/22-11: Dr. S. Lizy Roselet and Dr. M. Sherly Treasa. Phytochemical analysis and antioxidant activity of extracts of different parts of *Achyranthes aspera*
6. CRF-10/22-11: Dr. R. Krishna Priya. Biodegradable composites using *Butea parviflora* fiber for automotive applications.

3. Research Relevant Prizes

Crossian Centre for Research & Development, honour the faculty for their research efforts with award/ prizes such as i) Best Researcher Award, ii) Mrs. Maria Pushpam Alphonse's and Mr. and Ms. Antony George's Endowment prizes for the staff who have published articles in Scopus/ WoS/ SCI/ SSCI journals iii) Fr. Martin's Endowment prize for the staff whose research scholar has been awarded Ph.D. were distributed to the deserving faculty. This year the prize distribution was held on 18th March 2023 during the College Day function.

i. Dr. Sr. S. Sahayaselvi (Arts) and Dr. M. Priya Dharshini (Science) won the Best Researcher Award of this year.



1. Trainings

a. Workshop on “Nuances in Publishing Research Papers in Indexed and Open Access Journals”

A national level workshop on “Nuances in Publishing Research Papers in Indexed and Open Access Journals” was organized on 29th September 2022 to create awareness of the current trends in research publications. The workshop aimed to enable researchers to identify reliable target journals and encouraged the research scholars and faculty to publish more and more research articles in Indexed and Open Access Journals by comprehending the nuances involved in identifying reputed Journals. The workshop successfully completed with III technical sessions and 220 beneficiaries.



b. Hands-on Training on Creating Research relevant accounts/ IDs

To share the resources pertinent to research with the larger academic community, the Crossian Research Forum organized a Hands-on Training Programme on Creating Research relevant accounts/ IDs: Vidwan, Scopus, Researcher and ORCID on 6th October 2022. All the faculty and research scholars of Holy Cross College (Autonomous) attended and benefitted from it.



c. Webinar on Guidance for Research and Scholarly Publishing

On 21.11.2022 an International Webinar on “Guidance for Research and Scholarly Publishing” was organized and detailed guidelines were given by Dr. Satyanarayana Parayitam, Professor, Department of Management and Marketing, Charlton College of Business, University of Massachusetts Dartmouth. The session was informative and effective. A total of 332 (173 inside & 155 outside) participants - scholars and staff from various colleges of our state and neighbouring states Kerala, Karnataka and Pondicherry were participated and benefitted.



d. Research colloquium on Effective Data Processing and Publishing for Quality Research

Crossian Research Forum organised the research colloquium on the topic “Effective Data Processing and Publishing for Quality Research” on 16th March 2023. Dr. Felix Joseph, Former Associate Dean, Bule Hora University, Ethiopia was the Resource Person. The colloquium had a positive impact on the scholars (46) as it focused on the importance of data accuracy, completeness, consistency, and validity in the research process.



2. Meet with Research Ethics Committee

The Crossian Research Forum organised Research Ethics Committee meeting on the topics "Quality Enhancement in Research" and "Conducive environment for Research" on 18.10.2022 and 17.11.2022 respectively, to promote quality output in research areas and to instill and encourage multidisciplinary research activities



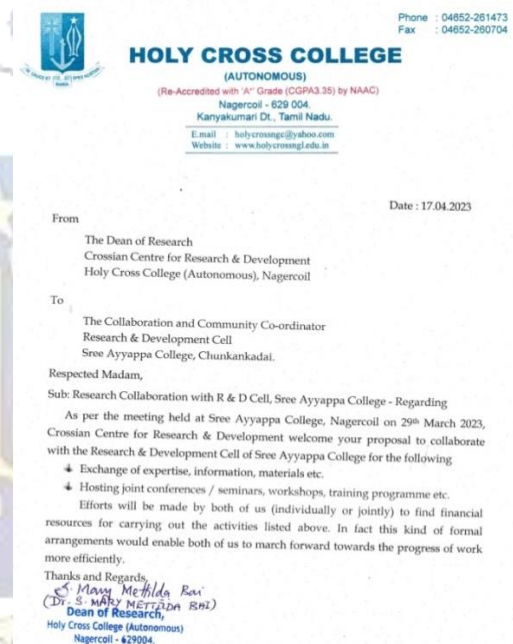
3. Crossian Scholars Forum

During this academic year, Crossian Scholars Forum was conducted on 28.10.2022, 10.11.2022 and 19.12.2022 and analysed the research activities of the research scholars and their research contribution and also provided motivation to the research scholars to publish and present more research articles.



4. Collaboration

The Collaboration and Community Coordinator, Research & Development Cell, Sree Ayyappa College, Chunkankadai expressed her willingness to have Collaboration with Research & Development Cell of Holy Cross College, Nagercoil. Their proposal was duly informed to the Principal (Chairperson) and the IQAC directors of Holy Cross College. With their permission and the acceptance of the research team members the collaboration was established on 17th April 2023 to do collaborative research endeavours such as exchange of expertise, information and materials & Hosting joint conferences / seminars, workshops, training programme etc.



5. Data Collection

The Crossian Research Forum worked in hand with the IQAC of Holy Cross College in collecting the data for AQAR, NAAC Criterion iii, applying NIRF ranking and Colledunia award.

6. STI Mapping

In response to the notification of Tamilnadu State Council for Science and Technology (TNSCST), the Crossian Research Forum submitted the major areas of research that are carried out in the institution for the last three years for Science, Technology and Innovation (STI) ecosystem mapping (STI) mapping.



7. Disseminated information about Jal Shakti Abhiyan (JSA): Catch the Rain 2023

As per the request of UGC to disseminate information about Jal Shakti Abhiyan (JSA): Catch the Rain 2023 to encourage and inspire students for water conservation through activities like quizzes, debate competitions, writing of slogans, poster, banners etc. [D.O.No.2-19/2022(CPP-II) dated 3rd April 2023], the Crossian Research Forum piloted two activities: Quiz and Writing of Slogans.

a. Quiz

Quiz on “Water Conservation” on the theme “Catch the rain, where it falls, when it falls” was launched on 21.04.2023 through Google forms. A total of 1239 people (Assistant Professors, School Teachers, Students, Army persons, Facilitators, Agriculture Scientists, Project Counsellors, Drivers, Nurses) from various places (Dubai, Abu Dhabi, Pakistan, Africa, United States, Malaysia, Kerala, Andhra Pradesh, Maharashtra, Telangana, Madhya Pradesh, Gujarat, Rajasthan, Haryana, Uttar Pradesh, Uttarakhand, Karnataka, Jammu & Kashmir, Bihar, Punjab, Assam, West Bengal, Chhattisgarh, Andaman & Nicobar, Meghalaya, Nagaland, Odisha, Madurai, Trichy, Sivakasi, Tirunelveli, Kanyakumari, Chennai, Salem, Thoothukudi) attended the e-quiz and became aware of the Jal Sakthi Mission.

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Organises

Quiz on Water Conservation
 as a part of the ongoing "Jal Shakti Abhiyan (JSA): Catch the Rain 2023"

Patron : Dr. Sr. M. Mary Hilda, Secretary
Chairperson : Dr. Sr. S. Sahayaselvi, Principal
Conveners : Dr. S. Mary Mettilda Bai, Dean of Research & Dr. S. Jeni Sanjana, Research Coordinator
Organising Secretaries: Dr. A. Babila Kingsly, Dept. of Economics & Dr. G. Sahaya Shiny, Dept. of Commerce

Jal Shakti Abhiyan (JSA) is a time-bound, mission-mode water conservation campaign, launched in March 2021 with the theme "Catch the rain, where it falls, when it falls". It aims at making water conservation a People's Movement through asset creation and extensive communication.

Quiz link: <https://forms.gle/Z6vhAGmwJHmpfbab8>
 E-Certificate will be awarded to participants who score 40 % and above.

b. Slogan Writing Competition

To sensitize the students about the importance of conservation of water and to champion the cause of “Jal Shakti Abhiyan: Catch the Rain 2023” the Crossian Research Forum conducted the slogan writing competition on the topic “Conservation of Water” in English and Tamil. Forty two students participated in this competition - 27 in English and 15 in Tamil. The slogans were adjudged unanimously by the members of the Crossian Research Forum and the winners were appreciated with prizes.

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Organises

Slogan Writing Competition
 as a part of the ongoing "Jal Shakti Abhiyan (JSA): Catch the Rain 2023"

Topic: Conservation of Water

Date: 21.04.2023
Time: 12 - 12.30 pm

Patron: Dr. Sr. M. Mary Hilda, Secretary
Chairperson: Dr. Sr. S. Sahayaselvi, Principal
Conveners: Dr. S. Mary Mettilda Bai, Dean of Research & Dr. S. Jeni Sanjana, Research Coordinator
Organising Secretaries: Dr. E. Jebamalar, Dept. of English S.F. & Dr. C. Ida, Dept. of Tamil S.F.

Seminar Hall, Golden Jubilee Block

Instructions to the participants

- Register on or before 20.04.2023
- Free Registration
- Slogan writing: Either in English or Tamil
- One entry per participant
- Original, Novel/ Creative & Innovative
- Should not exceed 2 lines
- E-certificates will be provided to all the participants
- "The more, the merrier" - and the more prizes! The number of prizes will be based on the number of participants, so be sure to spread the word and invite your friends."

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CROSSIAN PUBLICATIONS

Crossian Resonance, the biannual, multi-disciplinary, peer-reviewed and refereed national journal launched in June 2010 with ISSN 0976-5417, strives to reach research scholars from all directions and various cross-sections of society providing a platform to resonate scientific findings. It aims to foster the spirit and aspirations of the academics and to promote a research culture among the erudite. The journal has provided an opportunity and space to the Crossian scholars, Professors and research guides of our institution and other institutions at national and international levels.

As a regular activity, the Crossian Research Forum published the two issues of this Multidisciplinary, peer-reviewed, bi-annual National Journal “Crossian Resonance” with an aim of providing a platform for academicians, research scholars and faculty members to expose their views, ideas and experiences in the area of research.

1. June Issue of Crossian Resonance

On 12th August 2022 the 13th volume, Issue 1 of “Crossian Resonance” the Multidisciplinary bi-annual National Journal was released by Dr. Sr. Sahaya Selvi, the Principal and received by Dr. Sr. M. Mary Gilda, the Secretary in the presence of the chief guests Mayor T. Mahesh and Deputy Mayor Mary Princy during the installation ceremony.



2. December Issue of Crossian Resonance

On 18th March 2023, during the College Day Ceremony, the December 2022 issue, Vol. 13, Issue 2 of “Crossian Resonance” the multidisciplinary bi-annual National Journal was released by Dr. Sr. M. Mary Gilda, Secretary and the first copy was received by Dr. Sr. S. Sahayaselvi, in the presence of the chief guests.



Research Data

During this academic year 17 scholars were awarded with Ph.D and 26 new scholars were enrolled. The Crossian Centre for Research and Development also recognizes the faculty who involve themselves in attending workshops, seminars, FDP, PDP and other training programmes by providing incentives. Totally, 141 faculty participated in Faculty Development Programmes and Management Development Programmes during this academic year. 102 faculty members received financial support of Rs. 3,20,929/- (registration fees/travel expenses/membership fees) for participating/presenting papers in Conferences, Seminars, Workshops and Faculty Development Programmes.

