

PG & RESEARCH DEPARTMENT OF CHEMISTRY

Association Activities 2020-2021

The PG and Research Department of Chemistry, Holy Cross College, Trichy, organized a webinar on “**A Simple Perspective of Glycosciences**” on 30.6.2020 at (11.00 am -12.00 noon) through Google meet Platform. The Resource person was Dr. T. Mohan Das, Professor and Head, Department of Chemistry, Central University of Tamilnadu(CUTN), Thiruvarur. The resource person gave an insight about general characteristics of sugar molecules, glycoprotein structure, anatomy of covid-19, interaction of glycoproteins of coronavirus with receptor, design, synthesis and mode of action of these sugar-based molecules.

The screenshot shows a Google Meet interface during a webinar. The main window displays a slide titled "A simple perspectives of glycosciences" by T. Mohan Das, Professor & Head, Department of Chemistry, School of Basic and Applied Sciences, Central University of Tamil Nadu (CUTN), Neelakudi Campus, Thiruvarur - 610 005, TAMIL NADU. The slide also includes contact information: Mobile: 9965048959, 0431-2960260, and E-mail: tmohandas@cutn.ac.in, hodchemistry@cutn.ac.in. A dedication is made to Prof. C. P. Rao, Dept of chemistry, IIT Bombay. The meeting details window on the right shows the webinar title, resource person (Dr. T. Mohan Das), date (30 June 2020), time (11:00 a.m. - 12:00 noon (IST)), and convener (Dr. A. Leema Rose). The organizing committee includes Dr. J. Rosaline Vimala, Dr. S. Vidhya, and Assistant Professors in Chemistry at Holy Cross College (Autonomous), Trichy-2.

Dr. Syed Ali Padusha, Associate Professor of Chemistry, Jamal Mohammad College (Autonomous), Tiruchirappalli spoke on the topic “**A 21st Century chemist and his unique selling proposition**” through Google Meet for the association meeting held on 14th July, 2020. His insight about career opportunities for chemistry graduates has opened the windows and motivated students to flap their wings and fly high.

The screenshot shows a Google Meet interface during a webinar. The main window displays a slide titled "Specialty Chemicals" with a circular diagram showing various chemical categories. The meeting details window on the right shows the webinar title, resource person (Dr. M. Syed Ali Padusha M.Sc., Ph.D., Associate Professor, Department of Chemistry, Jamal Mohammed College, Trichy), date (14th July), time (03.00PM TO 04.30PM), and convener (Dr. A. Leema Rose). The organizing committee includes Dr. J. Felicitas Florence and Dr. J. Morris Princy, Assistant Professors of Chemistry at Holy Cross College (Autonomous), Trichy. A registration link is provided: <https://forms.gle/Yb9655WTxTU9>. A note states: "No Registration Fee and E-Certificate will be provided".

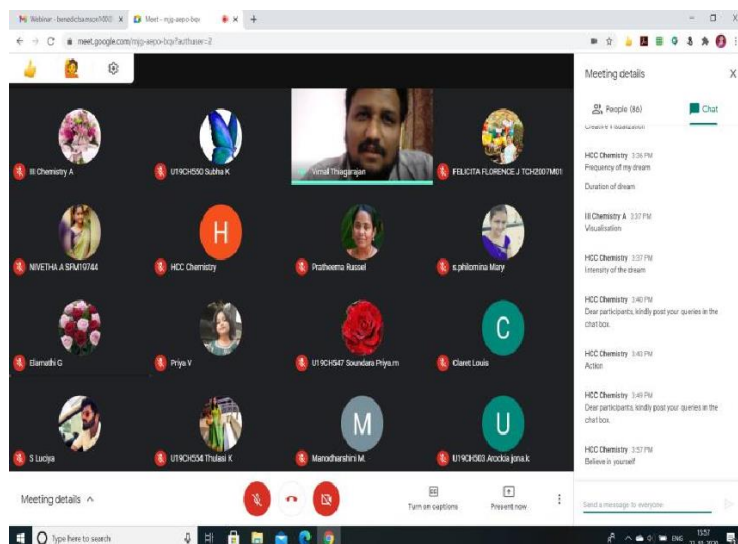
Mr. Vimal Thiagarajan, Founder and Director of Be Positive Training Academy, Chennai spoke on the topic “**Reprogramming Your mind**” on 1st August 2020. The speaker started his motivational speech by quoting what kind of people are called LURE(People who Learn, Unlearn, Relearn and Experience Learning) followed by revealing the unravelling secrets of life .

The image shows a Zoom meeting window on the left and a flyer on the right. The Zoom window displays a slide titled "Reprogramming Your Mind !!!" by Vimal Thiagarajan, Founder & Director of Be Positive Training Academy, on 1st Aug 2020. The flyer, from the PG and Research Department of Chemistry at Holy Cross College (Autonomous) Trichy-2, invites participants to a webinar on "Reprogramming Your Mind" on 1st August 2020, from 10:00 a.m. to 11:30 a.m. The resource person is Mr. Vimal Thiagarajan, and the convener is Dr. A. Leema Rose. The flyer also lists the organizing committee members: Dr. L. Cathrine and Dr. J. Rosaline Vimala.

Dr. J. Selvakumar, Scientific Officer, Nuclear Recycle Board (NRB), Assistant Professor, Homi Bhabha National Institute, Department of Atomic Energy, Government of India, Kalpakkam spoke on the topic “**Role of Chemist in Nuclear Cycle**” on 17th October 2020. He spoke on the different funding Agencies available for women to do research and also enlightened the role of chemist in Nuclear Power, the different steps involved in the usage of radioactive elements in power generation and how the waste disposal is carried out.

The image shows a Zoom meeting window on the left and a flyer on the right. The Zoom window displays a slide titled "Role of Chemist in Nuclear Fuel Cycle" by J. Selvakumar, PH.D. The flyer, from the PG and Research Department of Chemistry at Holy Cross College (Autonomous) Trichy-2, invites participants to a webinar on "Role of Chemist in Nuclear Cycle" on 17th October 2020, from 3:00 p.m. to 04:00 p.m. The resource person is Dr. J. Selvakumar, and the convener is Dr. A. Leema Rose. The flyer also lists the organizing committee members: Dr. J. Rosaline Vimala and Dr. S. Vidhya.

Mr. Vimal Thiagarajan, Founder and Director of Be Positive Training Academy, Chennai spoke on the topic “**Creating Super Achievers**” on 22nd October, 2020. He insisted that to make progress, one needs the quality of mind and body, tirelessness, and the correct demeanour. He quoted many real-life examples about how people became successful.



**PG and Research Department of Chemistry
Holy Cross College(Autonomous) Trichy-2.**
Affiliated to Bharathidasan University
Nationally Accredited (4th Cycle) with A++ Grade (CGPA 8.78/10) by NAAC
College With Potential for Excellence
Trichirappalli-620 002, Tamilnadu, India

**Cordially invites you to join the webinar
on
Creating Super Achievers**

Resource person
Mr. Vimal Thiagarajan
Founder and Managing Director
Be Positive Training Academy
Chennai

Presided by
Dr. (Sr.) A. Christina Bridget
Principal
Holy Cross College(Autonomous)
Trichy-2.

Convener
Dr. A. Leema Rose
Associate Professor and Head
PG and Research Department of Chemistry,
Holy Cross College (Autonomous), Trichy-2.
Phone: +91 9968441442

Organizing Committee
Dr. A. Agila- 9944200851
Dr. M. Stella Dharathy-9443458245
Assistant Professor in Chemistry
Holy Cross College(Autonomous)
Trichy-2.

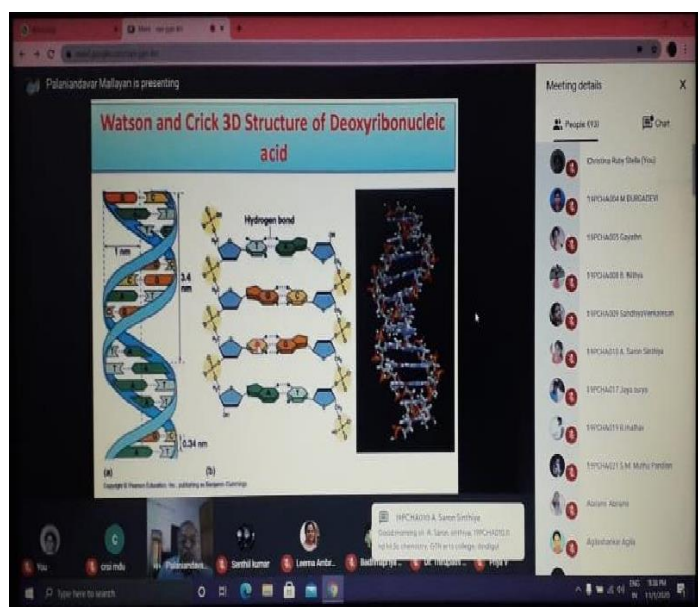
Join us at

22nd October 2020 3:00 p.m. - 04:00 p.m

E-certificates will be issued for all the active participants

Workshop

A **One-day e-lecture workshop on Advances in Chemical Sciences**, was conducted in the commemoration of the National Chemistry Week by the PG and Research Department of Chemistry, Holy Cross College (Autonomous), Trichy in collaboration with the Chemical Research Society of India (CRSI), Trichy-Madurai Local Chapter, on 2nd November, 2020. Prof. M. Palaniandavar, Professor of Eminence & INSA senior scientist, Bharathidasan University, Tiruchirappalli spoke on the topic, “Metal DNA interaction and its Perspectives”. Prof. P. Elumalai, Department of Green Energy Technology, Pondicherry University delivered a talk on the topic, “Batteries, supercapacitors and now Supercapatteries”. On the whole, this e-lecture workshop on “Advances in Chemical Sciences” enriched the young minds with novel current researches going on around the world as well as inspired them to take up research as their career and make worthy contribution to the society. This e-lecture workshop took place simultaneously through Google meet platform and also in You tube live streaming. Totally 400 participants including the Staff, Research Scholars, Post Graduate and Undergraduate students of our Department participated. The participants from in and around colleges of Trichy & from other parts of Tamilnadu, Faculties and Research scholars from AndhraPradesh, Pondicherry, Kerala and Jammu & Kashmir also participated actively in this e-lecture workshop.



**National Chemistry Week
Chemical Research Society of India (CRSI)
(Trichy-Madurai Local Chapter)
&
PG & Research Department of Chemistry
Holy Cross College (Autonomous), Tiruchirappalli.
Jointly Organizes
e-Lecture workshop on Advances in Chemical Sciences**

INAUGURAL ADDRESS

Dr. U. P. Senthil Kumar
Senior Vice President
Orchid Pharma Ltd.

Prof. M. Palaniandavar FNA, FASC,
School of Chemistry
Bharathidasan University,
Tiruchirappalli

Prof. P. Anbarasan
Department of Chemistry
IITM Chennai

Prof. P. Elumalai
Department of Green Energy Technology
Pondicherry University

Date & Time
02.11.2020
(Monday)
10.00 am to 1.00 pm

Conveners (CRSI Local Chapter)
Prof. R. Mayilmurugan
School of Chemistry
Madurai Kamaraj University, Madurai.

Prof. R. Ramesh
School of Chemistry
Bharathidasan University, Tiruchirappalli.

Patron
Dr. (Sr.) Christina Bridget. A
Principal

Coordinator
Dr. A. Leema Rose
Associate Professor & Head
PG & Research Department of Chemistry
Holy Cross College (Autonomous)
Trichirappalli.

Organizing Committee
The Staff Members
PG & Research Department of Chemistry

Join us at
<https://meet.google.com/ost-tyjn-kry>

International Scientist Meet

The PG and Research Department of Chemistry, conducted **International Scientist Meet** on the topic “Computational Chemistry and Biophysical Chemistry” on 21st December, 2020. Dr. Sri Ranjini Arumugam, Senior Scientist, Leipzig University, Leipzig, Saxon, spoke on the topic “ Nitrogen Vacancy Centre in diamond as a sensor”. Her speech highlighted on the different types of sensors, the applications of wearable and implantable technologies contribution to the mobile health era, nitrogen vacancy centre in diamond as quantum sensor and its applications. Prof. Arul Murugan, Senior, Researcher (Forskare), Department of Theoretical Chemistry, Biotechnology and Health, KTH Royal Institute of Technology, Stockholm, Sweden spoke on the topic “ Computational Medicinal Chemistry and a Brief Introduction to Data Driven Approaches” . He gave an overview on introduction to modelling, computers in drug discovery, scoring functions and data driven approaches. 89 participants took part through Google Meet and 203 participants joined through HCC Flamingo. The beneficiaries were faculty, students and Research Scholars of chemistry department.

PG AND RESEARCH DEPARTMENT OF CHEMISTRY
HOLY CROSS COLLEGE (AUTONOMOUS), TRICHY
Affiliated to Bharathidasan University
Nationally Accredited (4th Cycle) with A++ Grade (CGPA 3.754) by NAAC
College with Potential for Excellence
Trichy: 620 002, Tamilnadu, India

Organizes
International Scientist Meet on "COMPUTATIONAL CHEMISTRY AND BIOPHYSICAL CHEMISTRY"

Presided by

Speakers

DATE AND TIME
21.12.2020
(MONDAY)
2.00 P.M - 4.00 P.M

Convener
Dr. A. Leena Rose
Associate Professor & Head
PG and Research Department of Chemistry
Holy Cross College (Autonomous)
Tiruchirappalli

Organising Members
Dr. J. Rosaline Vimala & Dr. S. Vidhya
Assistant Professors
PG and Research Department of Chemistry
Holy Cross College (Autonomous)
Tiruchirappalli

Join us at

Ms. Suba Rajasekaran (Alumna of Chemistry, HCC) , High School Chemistry Teacher & Chemistry Subject Advisor, Basis Chandler, #1 Charter School, Arizona, USA spoke on the “**Chemistry Graduate – Life Abroad**” on 30th January, 2021. The guest speaker gave an insight about opportunities for a chemist in USA, Life Abroad-Culture Shock, qualifications required to teach at Arizona, USA, Role as a chemistry teacher, Curriculum and mode of teaching and other chemistry activities associated during their teaching period. Thus the webinar mainly strives to develop them incredibly well in most of the applied areas of chemistry and how these individuals can manage them all in an exceptionally good way.

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Tiruchirappalli-620 002, Tamilnadu, India

Cardinally, invites you to join the webinar.

Chemistry Graduate - Life Abroad

PRESIDED BY
Dr. (Sri) CHRISTINA BRIDGET
PRINCIPAL
HOLY CROSS COLLEGE (AUTONOMOUS)
TRICHY-2

SPEAKER
Ms. SUBA RAJASEKARAN
HIGH SCHOOL CHEMISTRY TEACHER'S
CHEMISTRY SUBJECT ADVISOR
Basis Chandler
#1 Charter School / ARIZONA, USA
(ALUMNA OF CHEMISTRY, HOLY CROSS COLLEGE)

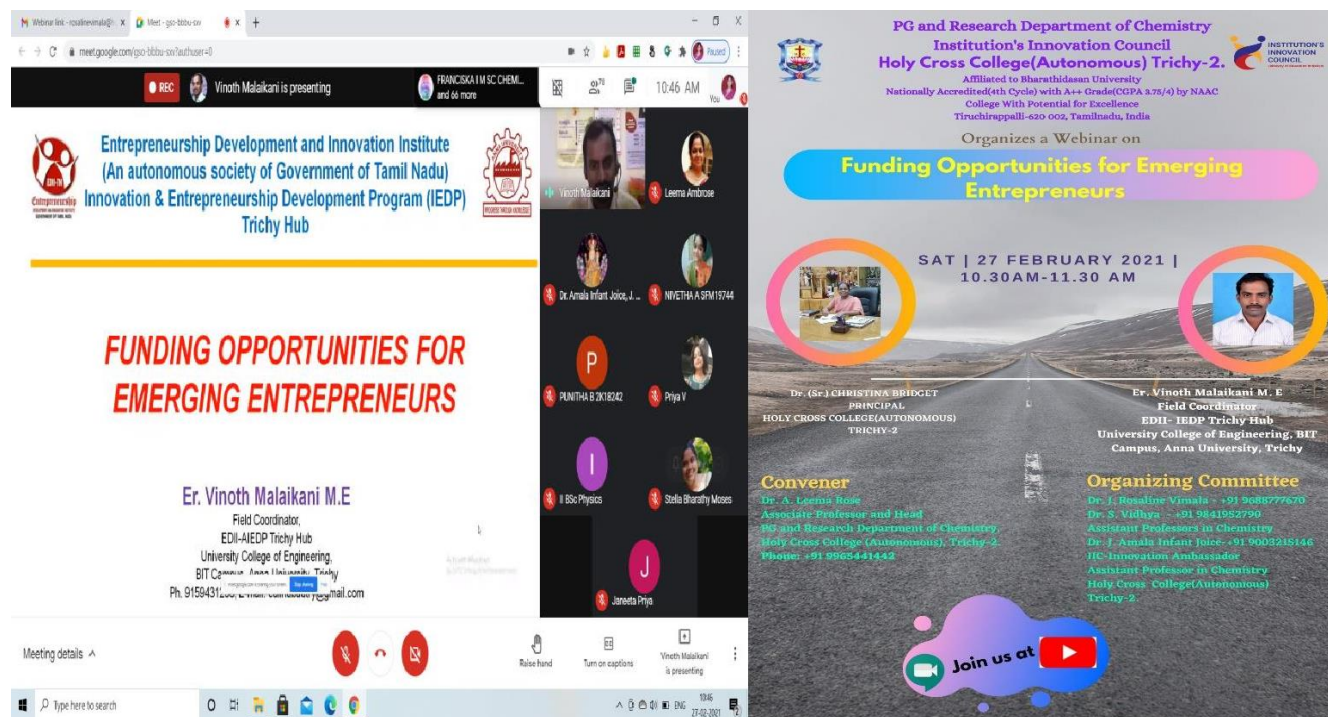
Convener
Dr. A. Leena Rose
Associate Professor and Head
PG and Research Department of Chemistry
Holy Cross College (Autonomous), Trichy-2.
Phone: +91 9565441442

Organizing Committee
Dr. J. Rosaline Vimala - +91 9685776760
Dr. S. Vidhya - +91 9844524790
Assistant Professors in Chemistry
Holy Cross College (Autonomous)
Trichy-2.

SAT | 30 JANUARY 2021 | 6PM

Join us at

Er. Vinoth Malaikanni, field coordinator, EDII-IEDP, Trichy Hub, University College of Engineering, BIT Campus, Anna University, Trichy spoke on the topic **“Funding Opportunities for Emerging Entrepreneurs”** on 27th February, 2021. The event was organized by the department of Chemistry along with Institution Innovation Council(IIC), Holy Cross College(Autonomous), Trichy. He gave a brief introduction about mission of EDII-TN and enlightened the participants by describing start-up capital, required start-up capital, understand the types and sources of start-up capital and made us aware about the various subsidy schemes which will benefit emerging/existing entrepreneurs. 354 students got benefitted.

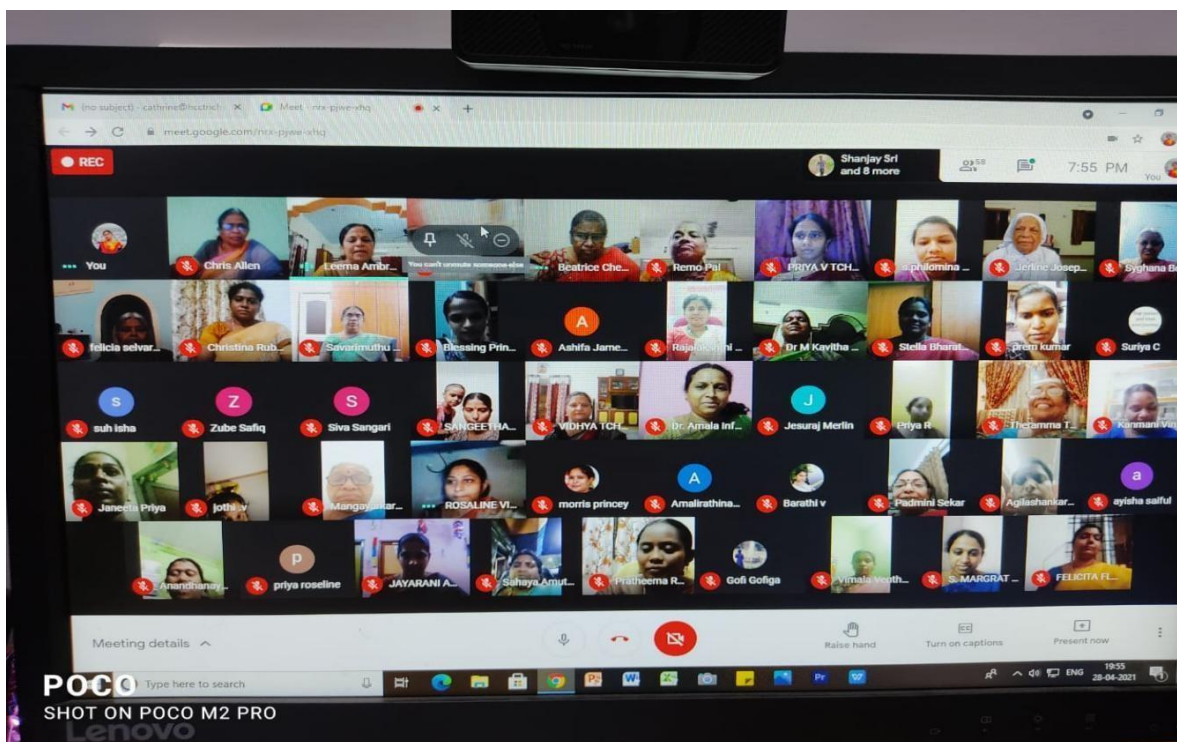


In commemoration of National Science Day, the PG & Research Department of Chemistry organized a **one-day workshop on the topic “Ideate, Innovate and Inspire”** on 13th March 2021, in Sophy’s hall. Mr. R. Venkatesh, Entrepreneurship coordinator, Care Business School and Mr. Stracey George, skill trainer, Care Business School, were the resource persons. The students of III UG and II PG attended the workshop. The resource persons started their talk focusing on the strong need to provide the younger generation with the skills and knowledge about business ideas, so that they can develop their own ventures, the innovations in chemistry should be converted into marketable products for commercial gain. They said that it is high time that the Department of Chemistry has ventured into this workshop that aims to narrow down the gap between being a chemist and an entrepreneur. The students got an idea about entrepreneurship. They were divided into groups and made to discuss about the problems they face in their daily lives. The resource persons encouraged the students to find solution for the problem, which ultimately led them to product design. Each group came out with different products like face mask with sensors, mosquito repellent, tissue soap, automatic reader, etc., The objective of the workshop is to encourage the students to ideate and create a better solution that turns into great ventures.



PG and Research Department of Chemistry started in the year 1935, has been upgraded to a Postgraduate Department in 1995, for which the **Silver Jubilee** was celebrated on 28th April 2021 virtually via Google Meet. The Jubilee celebration was presided over by the Principal, Rev. Sr. Dr. Christina Bridget. Rev. Sr. Elizabeth Rose, Fomer Principal and Head, Department of Chemistry, Holy Cross College and Dr. K. Mangaiyarkarasi, Former Dean of Science and Head, Department of Chemistry, Holy Cross College, graced the virtual occasion as chief-guests. Nearly 100 PG Alumnae of the Department participated in the virtual meet. Dr. A. Leema Rose, Head and Associate Professor of the Department of Chemistry, delivered the welcome address. Rev. Sr. Elizabeth Rose, Former Principal and Head of the Department of Chemistry, Holy Cross College, released the souvenir, which reflected the thoughts of the students who have successfully completed PG and also the warm memories and rich tributes of the sisters of the Cross, former heads, faculty members, collaborators and well-wishers.

In commemoration of the PG Jubilee celebrations, the PG and Research Department of Chemistry has initiated a start-up venture **CROSSIAN CHEMISTRY ENTREPRENEURIAL DEVELOPMENT UNIT (CCEDU)** to provide career opportunities by nurturing unconventional talents and skills among the students. Virtual fun games were conducted for the participants. While sharing their memories, the PG Alumnae immensely thanked the Department and acknowledged that the Department and the College enabled them to develop into self –reliant young women, by providing them with the knowledge and skills, necessary to create a strong identity for themselves, in the world which is reshaping itself with the dominance of globalization and technology.



PROGRAMME SCHEDULE			
Prayer		HOLY CROSS COLLEGE (Autonomous)	
Welcome Address	Dr. A. Leema Rose Head and Associate Professor Department of Chemistry Holy Cross College (Autonomous) Trichy - 620 002	Affiliated to Bharathidasan University Nationally Accredited (4 th Cycle) with A++ Grade (CGPA 3.75/4) by NAAC College with Potential for Excellence TIRUCHIRAPPALLI – 620 002, Tamil Nadu, India.	
Chief Guest Address	Rev. Sr. Elizabeth Rose Former Principal and Head Department of Chemistry Holy Cross College (Autonomous) Trichy - 620 002	PG AND RESEARCH DEPARTMENT OF CHEMISTRY	
	Dr. K. Mangaiyarkarasi Former Head and Dean of Science Department of Chemistry Holy Cross College (Autonomous) Trichy - 620 002	<i>cordially invites you all to join our joyous occasion of PG Silver Jubilee Celebration</i>	
Felicitations	Dr. Sr. A. Christina Bridget Principal Holy Cross College (Autonomous) Trichy - 620 002	virtually on 28 th April 2021, 11.00 a.m.	
Release of Souvenir			
Mile Stones of the Department	Virtual Treat		
Installation of CCEDU	CROSSIAN CHEMISTRY ENTREPRENEURIAL DEVELOPMENT UNIT™ (CCEDU) (in commemoration of Silver Jubilee Celebration of PG Chemistry)	Chief-guest Rev. Sr. Elizabeth Rose Former Principal and Head Department of Chemistry Holy Cross College (Autonomous) Trichy - 620 002	
Reminiscences	Former Faculty		
Kindle Your Chem-Memories	Virtual Game for Alumnae	Presided By Dr. Sr. A. Christina Bridget Principal Holy Cross College (Autonomous) Trichy - 620 002	
Sharing of Memories	PG Alumnae		
Vote of Thanks	Dr. R. Kanmani Assistant Professor Department of Chemistry Holy Cross College (Autonomous) Trichy - 620 002	Guest of Honour Dr. K. Mangaiyarkarasi Former Head and Dean of Science Department of Chemistry Holy Cross College (Autonomous) Trichy - 620 002	
ONLINE PHOTO SHOOT			