



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

2.3.3 Preparation and adherence of Academic Calendar and Teaching plans by the institution

2023-2024

Department of Physics Action plan 2023-2024

Month	Activity	Staff in charge	Amount Allocated Rs.	Expected Contribution Rs.			Beneficiaries	Expected Outcome
				Sponsors	Staff and Students	Institution		
June 2023	Disciplinewise Bridge Course	Dr.P.Aji Udhaya				185 students (PG and UG students)	To enrich the students with basic Physics knowledge and skills.	
June 2023	Orientation on Academic Calendar and Code of Conduct	Class in Charges				185 students (PG and UG students)	To enlighten the students with the syllabus, CBCS and Code of Conduct.	
June 2023	Enhancing Quality Publications	Research Guides				21 Research Scholars	To encourage the research scholars in publishing quality research articles.	
June 2023	Department PTA meeting	All the Faculty members				185 students (PG and UG students)	Faculty and parents interaction regarding Even Semester results	
July 2023	Inauguration of Physics Association	Dr. Abila Jeba Queen	-			185 students (PG and UG students)	To elect the office bearers of the Physics Association	
July 2023	Skill Developments on Sensor based Equipments and Earn While you Learn	Dr.R.Krishna Priya				185 students (PG and UG students)	To train the students for constructing sensor based equipments and earning by selling it.	
August 2023	Two days National Conference / Seminar	Dr. Priya Dharshini and Dr. Krishna Priya				150 (Research Scholars, Faculty inside and Outside the college)	To make an exposure in Hi-Tech Scientific applications and create interest on research activities among the Research Scholars and Faculty	



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NAAC V Cycle Self Study Report (SSR)

	Internship Programs	Dr.Lesly Fathima					and III UG students)	training, Hardware training
December 2023	Endowment Lecture on Nanophysics	Dr. Lesly Fathima	1000	Sr.Rosema & staff		1000	185 students	To enrich knowledge and update the latest developments of nanotechnology.
December 2023	Exhibition on renewable energy sources	Dr. R. Krishna Priya And Dr. M.Abila Jeba Queen					II BSc Physics students	To exhibit their talents and innovations skills and to create an awareness among the students for the usage of non-conventional energy sources
December 2023	Joy of Sharing – H.Share	All the Faculty members					185 students (PG and UG students)	To visit orphanages /old age homes and share valuables to the needy.
December 2023	Cultural events on Christmas celebration Jingle Bells 2K3	All the Faculty members					185 students (PG and UG students)	Programmes related to harmony
January 2024	IAPT-NGPE Exam	Dr.Sonia	-			-	students from our college and neighbouring colleges	To enrich knowledge on competitive examination skills
January 2024	Department PTA meeting	All the Faculty members					185 students (PG and UG students)	Faculty and parents interaction regarding Odd Semester results
January 2024	Session on Right and Duties of Indian citizens- By Alumni	All the Faculty members					185 students (PG and UG students)	Awareness Programme
February 2024	Department Association Meeting National Science Day	Dr. Jenepha					185 students (PG and UG students)	To enrich knowledge and update the latest developments

	Celebrations, Science Exhibition SPECTRA 2024							
February 2024	Invited Talk on IPR	Dr. P. Aji Udhaya					185 students (PG and UG students)	To motivate the students on Entrepreneurship
February 2024	Department Association Meeting (Career Counselling by our Alumni)	All the Faculty members					UG, P.G. Students and Research Scholars	To enrich the students by Career opportunities
March 2024	Awareness Program on Responsibilities of Women Today	Dr. Lesly Fathima					185 students (PG and UG students)	To motivate the students on Gender equity
March 2024	Hands on Training to the Neighbourhood through RUN and CEC	Dr.Jenepha and Ms.Virgin Jeba					52 students(II UG and I M.Sc. Physics students)	To give hands on Training on Physics skills to the Neighbourhood villages.
March 2024	Session on Electronic Waste management	Ms. Virgin Jeba					185 students (PG and UG students)	Awareness Programme to know the methods of electronics waste management.
April 2024	Alumni Chapter meeting	All the Faculty members						Alumni interaction
April 2024	MOU activity- Value added courses and Internship Programs	Dr.Aji Udhaya, Dr.KrishnaPriya Dr.Lesly Fathima					140 students (II PG, IIUG and III UG students)	Domestic appliances services, Multimedia training, Hardware training


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2022-2023

Department of Physics

Action plan 2022-2023

Month	Activity	Staff in charge	Amount Allocated Rs.	Expected Contribution Rs.			Beneficiaries	Expected Outcome
				Sponsors	Staff and Students	Institution		
July 2022	Inauguration of Physics Association	Dr. Lesly Fathima	-		-		185 students (PG and UG students)	To elect the office bearers of the Physics Association
August 2022	Online Quiz Competition (Commemorating the birth anniversary of Dr.Vikram Sarabhai)	Dr. R. Krishna Priya					All our college students and students from neighbouring institution	To know the importance of Astro Physics and Space Physics (ISRO)
August 2022	Association meeting- How to Crack Competitive exams	Dr. C. Nirmala Louis,					II PG, IPG, III UG and II UG students	To guide the students to write competitive examination
September 2022	Study Trip	Ms.Sonia and Dr.Sr. Sebastiammal					60 students (II PG and III UG students)	To motivate the students to visit experimental industries
October 2022	Talk on Ozone Day	Dr.Sr. Sebastiammal & Dr. P. Aji Udhaya	-		-		185 students (PG and UG students)	To know the protection of Ozone in Earth atmosphere
October 2022	Department Association meeting- Interdepartmental Quiz	II PG students					185 students (PG and UG students)	To motivate the Physics Association by the

(Signature)
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NAAC V Cycle Self Study Report (SSR)

	competition							
November 2022	Endowment Lecture	Dr. Lesly Fathima	1000	Sr. Rosema & staff		1000	185 students	Interdepartmental Quiz To enrich knowledge and update the latest developments
December 2022	MOU activity- Value added courses and Internship Programs	Dr. Aji Udhaya, Dr. Krishna Priya, Dr. Lesly Fathima					120 students (II PG, IIUG and III UG students)	Domestic appliances services, Multimedia training, Hardware training
December 2022	Exhibition on renewable energy sources	Dr. R. Krishna Priya And Dr. M. Abila Jeba Queen					II BSc Physics students	To exhibit their talents and innovations skills and to create an awareness of non-conventional energy sources
December 2022	Jingle Bells 2K22	All the Faculty members					185 students (PG and UG students)	Programmes related to harmony
January 2023	Entrepreneurship and Regional Development	Dr. P. Aji Udhaya					185 students (PG and UG students)	Entrepreneurship motivation
January 2023	IAPT-NGPE Exam	Dr. Shally	-			-	students from our college and neighbouring colleges	To enrich knowledge on competitive examination skills
January 2023	Department PTA meeting	All the Faculty members					185 students (PG and UG students)	Faculty and parents interaction
January 2023	Universal Value - Peace	All the Faculty members					185 students (PG and UG students)	Awareness Programme

	Science Day							
February 2023	One day National Conference	Dr. Sonia and Dr. Jenepha					150 (Research Scholars, Faculty inside and Outside the college)	To make an exposure in Hi-Tech Scientific applications and create interest on research activities among the Research Scholars and Faculty
March 2023	Talk on Gender equity- Cyber Crime Awareness Programme	Dr. Lesly Fathima	-			-	185 students (PG and UG students)	To motivate the students on Gender equity
April 2023	Alumni Chapter meeting	All the Faculty members						Alumni interaction

C. Mirmala Louis

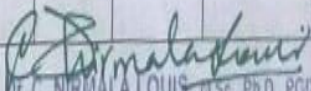
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2021-2022

Department of Physics Action plan 2021-2022

Month	Activity	Staff in charge	Amount Allocated Rs.	Expected Contribution Rs.			Beneficiaries	Expected Outcome
				Sponsors	Staff and Students	Institution		
July 2021	Inauguration of Physics Association	Dr. Lesly Fathima	-				185 students (PG and UG students)	To elect the office bearers of the Physics Association
July 2021	Two days International Conference	Dr.S. Sonia and Ms. Jenepha Mary	5000		5000		150 (Research Scholars, Faculty inside and Outside the college)	To make an exposure in Hi-Tech Scientific applications and create interest on research activities among the Research Scholars and Faculty
August 2021	e-quiz on Vikram Sarabhai Birthday celebration	Dr. M. Priyadharshini and Dr. R. Krishna Priya	-				All our college students and students from neighbouring institution	To know the importance of Astro Physics and Space Physics (ISRO)
August 2021	Guidance for competitive examination	Dr. Lesly Fathima & Dr. Krishna Priya					II PG, IPG, III UG and II UG students	To guide the students to write competitive examination
August 2021	Alumni Chapter meeting	All the Faculty members						Alumni interaction
August 2021	Talk on Entrepreneurship	Ms. Virgin Jeba					185 students (PG and UG students)	To motivate the students on Computer related Entrepreneurship
September 2021	Talk on Ozone Day	Sr. Seba & Ms. P. Aji Udhaya	-					To know the protection of Ozone in Earth atmosphere

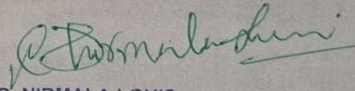

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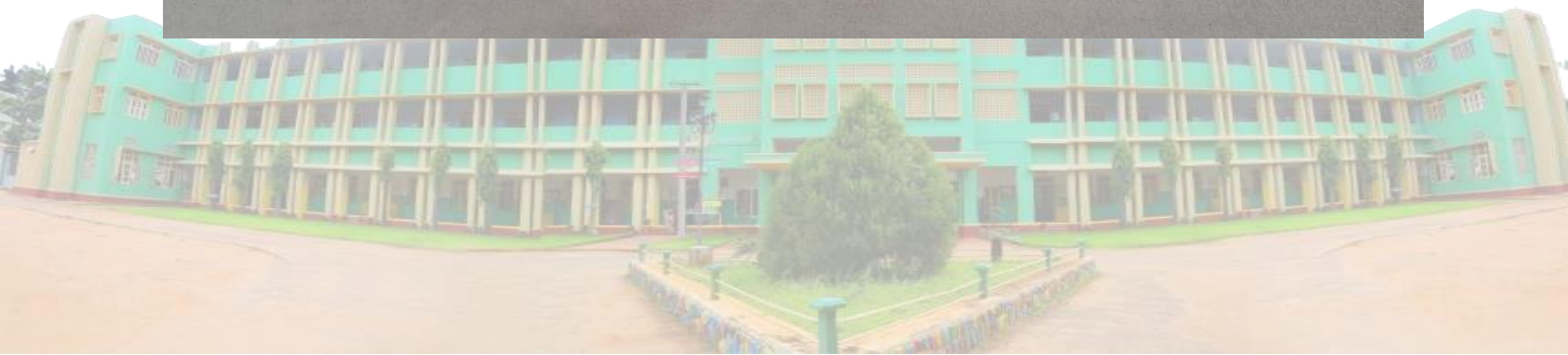


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September 2021	Association meeting and distribution of Endowment prices	Dr. Lesly Fathima & Dr.Krishna Priya					185 students (PG and UG students)	atmosphere To motivate the Physics Association by the distribution of Endowment prices
October 2021	Department Association Meeting Awareness Talk on Universal values- Truth	Dr.Krishna Priya	-				185 students	To know the importance of speaking the truth
November 2021	Endowment Lecture	Ms. VirginJeba Dr.Shally	1000	Sr.Rosema & staff		1000	185 students	To enrich knowledge and update the latest developments
December 2021	Exhibition on renewable energy sources	Dr. R. Krishna Priya Ms. M.AbilaJeba Queen					11 BSc Physics students	To exhibit their talents and innovations skills and to create an awareness among the students for the usage of non-conventional energy sources
December 2021	Cultural events on Christmas celebration	All the Faculty members					185 students (PG and UG students)	Programmes related to harmony
January 2022	IAPT-NGPE Exam	Ms. Virgin Jeba and Dr.Shally	-				students from our college and neighbouring colleges	To enrich knowledge on competitive examination skills
January 2022	Department PTA meeting	All the Faculty members					185 students (PG and UG students)	Faculty and parents interaction
February 2022	Department Association Meeting Talk on National science Day	Dr.Sonia					185 students (PG and UG students)	To enrich knowledge and update the latest developments

February 2022	Talk on Entrepreneurship	Ms. P. Aji Udhaya					185 students (PG and UG students)	To motivate the students on Entrepreneurship
March 2022	Department Association Meeting (Career Counselling by our Alumni)	All the Faculty members					UG, P.G. Students and Research Scholars	To enrich the students by Career opportunities
March 2022	Talk on Gender equity	Dr. Lesly Fathima					185 students (PG and UG students)	To motivate the students on Gender equity
April 2022	Talk on Solid waste management	Ms. Virgin Jeba					185 students (PG and UG students)	Awareness Programme
April 2022	Talk on Right and Duties of Indian citizens	All the Faculty members					185 students (PG and UG students)	Awareness Programme
April 2022	Alumni Chapter meeting	All the Faculty members						Alumni interaction


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2020-2021

DEPARTMENT OF PHYSICS

7.8 Action plan/ Action Taken 2020-2021

Month	Activity	Staff Incharge	Action Taken
June 2020	A Four Day Online Faculty Development Programme (FDP) on "Recent Trends in Physics" 3 rd to 6 th June 2020	Dr.S. Sonia and Ms. P. Aji Udhaya	93 participants including faculty and research scholars both in and out of the college got benefitted from this four day FDP.
August 2020	Association meeting Hiroshima Day – Awareness on Nuclear weapons	Dr.C.Nirmala Louis & Dr.S. Sonia	101 participants
	Association meeting Vikram Sarabai Day – Quiz competition on Space and Astro Physics	Dr.Priya Dharshini & Dr. Krishna Priya	34 participants
September 2020	Association meeting Talk on Ozone Day	Sr.Seba & Ms. P. Aji Udhaya	151 participants
November 2020	Webinar on " Introduction to Intellectual Property Rights"	Ms. P. Aji Udhaya	89 participants
December 2020	Internship Program Hardware training	Dr.C.Nirmala Louis & Ms. Virgin Jeba	25 II MSc students
January 2021	IAPT-NGPE Exam	Dr.V.Shally	34 UG students
	Industrial visit- Department Research Center	Ms. Virgin Jeba	25 II MSc students
February 2021	Sr.Rosamma's Endowment Lecture on "Carrier in physics"	Dr.C.Nirmala Louis	93 participants
March 2021	Association meeting on " National Science Day"	Dr.C.Nirmala Louis & Ms. P. Aji Udhaya	90 participants
	Talk on " Innovation and Creativity"	Dr.C.Nirmala Louis Ms. P. Aji Udhaya	93 participants

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2019 -2020

**Department of Physics
Action Plan 2019-2020**

Month	Activity	Staff-In-Charge	Amount Allocated Rs.	Expected Contribution Rs.			Beneficiaries	Expected Outcome
				Sponsors	Staff and Students	Institution		
July 3 rd Week	Students centric Learning	Dr.Nirmala Louis & Dr. M. Priyadharshini	100	-	-	100	93 students	To motivate the students for teaching
August	Exhibition on Renewable energy sources	All Class Teachers	25000	Staff and Students	25000	-	All our college students and students from neighbouring institution	To exhibit their talents and innovations skills and to create an awareness among the students for the usage of non-conventional energy sources
	Department Association Meeting	Dr.Nirmala Louis & Dr. M. Priyadharshini	100	-	-	100	186 students	To motivate the juniors and to cultivate the knowledge in physics concepts
September	National Seminar	Dr. Lesly Fathima & Ms. P.Aji Udhaya	1,00,000	50,000	26,000	7,000	150 (Research Scholars, PG and UG final year students, Outside participants)	To make an exposure in Scientific applications and create interest on research activities
	Department Association Meeting	Dr.Nirmala Louis & Dr. M. Priyadharshini	100	-	-	100	186 students	To motivate the juniors and to cultivate the knowledge in physics concepts

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				Sponsors	Staff and Students	Institution		
October	Excursion	Dr. Lesly Fathima & M.Abila Jeba Queen	1,20,000	-	1,20,000	-	Out going Students	To create an exposure on real time learning through visits to Museums, Science Centre etc.
December	Distribution of dresses	All staff	20,000	Staff	20000 (Staff Only)	-	Needy Students	To instill the values of Charity, love, kindness among the students and to interact with the local community
	Christmas Visit - St. Joseph's Mercy Home, Punnai Nagar	All staff	25,000	Staff and Students	25,000	-	St. Joseph's Mercy Home Children, Punnai Nagar	
January	Endowment Lecture	Dr.S.Sonia	2500	Sr. Rosamma & Staff	750 (Staff Only)	-	P.G Students & Research Scholars	To enrich knowledge and update the latest developments
	Department Association Meeting	Dr.Nirmala Louis & Dr. M. Priyadharshini	100	-	-	100	186 students	To motivate the juniors and to cultivate the knowledge in physics concepts
February	National Science Day Celebration	Dr. R. Krishna Priya	5000	Department Fund	-	-	Students from neighbouring Schools	To bring awareness in Scientific innovations among School Children
	Department Association Meeting	Dr.Nirmala Louis & Dr. M. Priyadharshini	100	-	-	100	186 students	To motivate the juniors and to cultivate the knowledge in physics concepts
March	Industrial Visit	Dr. V.Shally	15,000	-	15,000	-	P.G.Students	To understand the various experimental techniques and principles involved in

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