



# 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 Mathematics S.F**  
**Action Plan for 2023-2024**

Month	Activity	Name of the course and course code based on the activity	Staff In charge	Expected outcome	Beneficiaries
June	Orientation on Academic Calendar and Code of Conduct for Students	-	Dr.S.Kavitha and Ms.J.Anne Mary Leema	Students understand the rules and regulations of the college.	All I PG Students (23)
	Club Meeting- <b>International Yoga Day- Yoga for Health and Happiness</b>	Criteria 5	Dr.S.Kavitha and Dr.J.Nesa Golden Flower	It help the students to equip physical and mental well-being	All the students (56)
July	Business Meeting of Ramanujan Mathematics Club	-	All Faculty	It helps the students to improve their leadership skills and Personality development.	All the students (56)
	Club Meeting- Session on "Respect and Self-acceptance"	Criteria-7	Ms. Y. A. Shiny and Dr.J. Nesa Golden Flower	Students acquire universal values like brotherhood, love, affection and care to the needy people.	All the students (56)

August	Alumina Chapter Meet	Criteria 5	Dr.S.Kavitha and Ms.J.Anne Mary Leema	Students cherish their memories about their college days and also discuss about their progression to higher studies and career	All Alumina
	Club Meeting- Presentation on Digital rules and Responsibilities	Criteria 5	Ms.J.AnneMary Leema and Ms.Y.A.Shiny	Students get insight on benefits of digital media, damages caused by digital media, regulations and responsible use of digital media.	All the students (56)
September	National Seminar on Cryptography and Graph Theory	Criteria 2 and 3	Ms.Y.A.Shiny and Ms.P.C. Priyanka Nair	Students get deep knowledge in Algebra and Graph Theory and more idea about research publications	Students and Staff of our college and other colleges
October	Club Meeting- Role of Men and Women in the Future Society	Criteria 7	Dr.C.Jenila and Dr.S.Kavitha	Students acquire knowledge on the issues of gender equity and its consequences and also the need for empowerment of women.	All the students (56)
	Seminar (Collaboration with IIC)- Entrepreneurial development and Employment Creation	Criteria 3	Ms.P.C. Priyanka Nair & Dr.J.Nesa Golden Flower	To motivate and inspire the achievements of famous entrepreneurs.	All the students (56)





November	Celebration of Millet day	Criteria 7	Dr.C.Jenila and Ms.J. AnneMary Leema	To aware about the nutritional value , health benefits and sustainable agricultural practices associated with millet.	All the students(56)
	Value added Course and Internship	Criteria 1	All the Faculty	To acquire new skills, knowledge and competencies relevant to their academic discipline through hands on learning experiences, practical training offered in Value added Course and Internship.	All the students(56)
December	Club Meeting- NET, SET Coaching by Alumina	Criteria 5	Ms.J. AnneMary Leema and Dr.S. Kavitha	Students get some tips and ideas about NET/SET examinations	All the students(56)
	Club Meeting- Mathematics Day – Model Making Competition and Paper presentation Competition	Criteria 7 and Criteria 5	Dr.C.Jenila and Dr.J.Nesa Golden Flower	To develop research skills, gather information, analyze data and synthesize findings to create their models and papers	All the students(56)
January	Club Meeting- Lecture on Menstrual hygiene and awareness	Criteria 5	Dr.S.Kavitha & Ms. P.C. Priyanka	To gain a comprehensive understanding of menstrual hygiene practices and the importance of	All the students (56)



			Nair	maintaining menstrual health.	
	Industrial Visit	Criteria 2	Ms.P.C. Priyanka Nair and Dr.J. Nesa Golden Flower	<p>1.It can provide a profound insight into India's advancements in space technology.</p> <p>2.It offers a firsthand experience of statellite launches and scientific achievements</p> <p>3.It may inspire interest in science, technology,engineering and mathematics fields.</p>	All the students (56)
February	Orientation Program (Collaboration with IIC) - Technological Entrepreneurship	Criteria 3	Ms.J.Anne Mary Leema &Dr.C.Jenila	This program focuses on the role of technology in students entrepreneurship .	All the students (56)
	Alumina Chapter Meet	Criteria 5	Dr.C.Jenila and Ms.Y.A.Shiny	To often feature workshops, seminars relevant to professional growth and guidance to recent graduates helping them navigate their career paths.	All the previous year Students
March	Club Meeting- π	Criteria	M.J.Anne Mary	To aware about the importance of	All the





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	day Celebration-Mathematical Exhibition	ia 7	Leema	mathematics and promote mathematical literacy among the students.	students (56)
	Club Meeting-MATH FEST 2024-Cultural and other competitions	Criteria 5	Ms.Y.A.Shiny and Ms. P.C. Priyanka Nair	The students can explore their hidden talents in the form of dance, singing, drawing, Mathematical Rangoli etc	All the students (56)
April	Club Meeting-Career guidance and guidance for competitive exams	Criteria 5	Dr.C.Jenila and Dr.J.Nesa Golden Flower	1.Students acquire knowledge about the competitive exams. 2.To know about available career opportunities	All the students (56)

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2022-2023

Department of Mathematics (SF)

Action Plan 2022-2023

Month	Name of the Activity	Description of the activity	Name of the course and course code based on the activity	Staff-in charge	Expected outcome	Number of Beneficiaries
August	Association Meeting	Talk on Universal Values and Ethics	Foundation Course FCV204  Criteria VII	Ms.V. Princy Kala	1.Students have a clear idea about Universal values & Ethics. 2.Students will be able to differentiate good and evil things. 3.Students instigate well about the speech on women empowerment	All the students(91)
September	Association Meeting	Environment & Health	Criteria VII		1.Motivate the students to save our natural resources and our mother earth 2. Create awareness about how pollution and over exploitation of natural resources affects our health	All the students(91)
	Association Meeting	26-09-2022 Trends in Technology with 'Python'	Criteria V	Ms.J. Anne Mary Leema, Dr.J.C.Eveline	1.Students get idea about benefits of learning Python. 2.Students gain knowledge about creating computer	All the students(91)





					programming in Python	
	Association Meeting	10-10-2022 WOMEN EMPOWERMENT		Dr.C.Jenila, Ms. Y.A .Shiny	1.Students learn about the problems faced by women in India. 2. Students know about the women's authority.	All the students(91)
October	Orientation Programme	19-10-2022 Orientation Programme on "Impact On Innovation"	Entrepreneurship	Dr.S.Kavitha, Dr.J.C.Eveline	1.Students get an idea about Commercialization in society. 2. It inspires and motivates the students to gain new ideas about barriers of creativity and learnt how to overcome barriers.	All the students(91)
	Model making Competition	31-10-2022	Pure and Applied Mathematics	Dr.J.Nesa Golden Flower Ms.J.Anne Mary Leema	1.To motivate students to enrich their model making skills 2.Students learn and explain the applications of mathematical concepts through models.	All the students(91)
December	Assoc	14-12-2022	Skill Development/	Dr.S.Kavitha	1.This programme gives an opportunity for the students to	All the students(91)



<p>iat io n</p> <p>M e e t i n g</p>	<p>TALENTIA 2022-2023</p>	<p>Criteria V</p>		<p>showcase their different talents.</p> <p>2. This programme give a lot of confidence to each students</p>	
<p>Field Visit</p>	<p>17-12-2022</p> <p>Christmas Visit</p>	<p>Criteria VII</p>	<p>Dr.S.Kavitha , Ms. Y.A .Shiny</p>	<p>Students gain a new experience by interacting with the abandoned elderly women's and it make them realize about the suffering people.</p> <p>It gives an idea about the mode of helping the poor and needy people in the society.</p> <p>It enhances their humanity and helping tendency</p>	<p>Students (30)</p>





	<p>Association Meeting</p>	<p>21-12-2022 National Mathematics Day Celebration</p>	<p>Skill Development</p>	<p>Dr.J.Nesa Golden Flower,Ms J.Anne Mary Leema</p>	<p>1.Students know about the life of Srinivasa Ramanujan and acquired knowledge about his contribution to Mathematics.</p> <p>2.Students exhibit their talents through cultural programs</p> <p>3.Students participate in the competitions conducted in connection with National Mathematics Day and exhibit their talents</p> <p>4.Students acquire knowledge about women mathematicians and their contribution</p>	<p>All the students(91)</p>
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	Interdepartmental Crib Contest	22-12-2022	Criteria VII	Dr.S.Kavitha , Ms. Y.A .Shiny	<p>1. It creates eco-awareness among the students by the effective usage of eco-friendly materials.</p> <p>2.It improves their skills and creativity.</p> <p>3.It helps to increase coordination and team spirit among the students</p>	All the students(91)
January	Seminar	09-01-2023 Entrepreneurship and Regional development	Entrepreneurship	Dr.C.Jenila, Ms. Y.A .Shiny	<p>1. Students get the idea about the source of income for the region which made them become an entrepreneur.</p> <p>2. Students get the knowledge about the value added products that help renovations of business ideas available already or in practice.</p>	All the students(91)
February	National Seminar	24-02-2023 Emerging Trends in Functional Analysis and	PM2042 and PM 2024	Dr.J.C.Eveline,Dr.J.Nesa Golden Flower	<p>1. Students get in depth knowledge in research topic in Functional Analysis and Graph Theory.</p> <p>2. Students improves team spirit and leadership qualities.</p>	Students and Staff of our college and other colleges





		Graph Theory				
March	Industrial Visit	09-03-2023	Astronomy (MC2065)	Ms.J. Anne Mary Leema, Ms Y.A Shiny	1.Students can acquire knowledge about planets 2.Students can see various working models including mathematical working models and gained knowledge about the applications of mathematical concepts	All II(UG) and I (PG) students
	Pi Day Celebration	15-03-2023	Criteria VII	Dr. S .Kaviha, Dr.C.Jenila	1.Students know about the facts of the famous mathematical constant pi and why March 14 <sup>th</sup> was	All the students(91)



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					chosen for this celebration. 2. They learn about the applications of pi.	
Association Meeting	16-03-2023 MATH QUIZ	Pure and Applied Mathematics	Dr.S.Kavitha ,Dr.J.NesaG olden Flower	1.The Quiz competition help the students to gain knowledge in some specific topics like Quicker Maths, Logical reasoning and Mathematicians etc  2.It motivates the students to learn their subject topics deeply	All the students(91)	

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2021-2022

**Department of Mathematics (SF)**

**Action Plan 2021-2022**

Month	Name of the Activity	Description of the activity	Name of the course and course code based on the activity	Staff-in charge	Expected Outcome	Number of Beneficiaries
July	Association Meeting	Yoga for Health and Happiness	International Yoga Day	Dr.S.Kavitha Dr.J.C.Eveline	To improve health by enhancing flexibility, strength and balance. It may also reduce stress and promote mental wellbeing.	All the students (122)
August	Paper presentation competition		Pure and Applied Mathematics PM2024	Mrs.J. Anne Mary Leema Mrs.V.Princy kala	Students will get ready a small research article and will present to a group of audience which encourages them in research activities.	Participants of the competition
September	Webinar	Webinar on "How to become an entrepreneur"	Entrepreneurship and Innovation	Mrs. R.N.Rajalekshmi & Mrs. V.G.Michael Florance	It offers the potential for financial independence, the ability to pursue your passion and	All the students (122)



		eur? (Collaborative activity with IIC of Holy Cross College, Ngl.)			the chance to create job opportunities for others.	
October	Webinar	Webinar on Strategies to become a successful Entrepreneur  (Collaborative activity with IIC of Holy Cross College, Ngl.)	Entrepreneurship and Innovation	J.Anne Mary Leema  V. Princy Kala	<ol style="list-style-type: none"> <li>1. It help us to face challenges and risks in our life.</li> <li>2. This programme taught us how to overcome the financial struggles to start a startup.</li> <li>3. It encourage the students to become an effective entrepreneur.</li> <li>4. It creates the mindset to become a women entrepreneur.</li> </ol>	All the students (122)
	Association Meeting	Motivational talk on Values	Values for Life  FCV201	Dr.C.Jenila  Dr.J.C.Eveline	<ol style="list-style-type: none"> <li>1. Values help to improve the students thoughts actions and beliefs.</li> <li>2. It provides a positive direction to a student's life.</li> </ol>	All the students (122)
December	Association Meeting	Ramanujan day celebration	Birth or death anniversaries of great Indian personalities  (Criterion	Dr.C.Jenila  Mrs.V.G. Michael Florance	<ol style="list-style-type: none"> <li>1. Students know about the life of Srinivasan Ramanujan.</li> <li>2. Students acquire knowledge about his contribution to Mathematics.</li> </ol>	All the students (122)





Ja nu ar y	Associ ation Meetin g	Awarenes s Talk on Health and Wellness	Universal values and ethics	Mrs.R.N.R ajalekshmi  Mrs.C.Jose lin Jenisha	1.Students know many simple tips to maintain their mental and physical health.  2. Students get awareness about health and wellness.	All the students (122)
	Semina r	Graph Theory	MC1762  PM2024	Dr.S.Kav itha  Mrs.C.Jo selin Jenisha	1. This webinar direct the students to choose their research career.  2. Real life applications make the students to think about the graph theory deeply.	Students and Staff of our college and other colleges
Fe br ua ry	Mathe matical model making compet ition	Students will prepare a model based on mathemat ical concepts which improves creativity of students	Pure and Applied mathemati cs  MC1762P M1711  PM2021,P M2024  PM1731	Mrs.R.N.R ajalekshmi  Dr.J.C.Eve line	This activity bring out the creativity and artistry of the students and give them an opportunity to display their talent.	Participa nts of the competit ion



	Association Meeting	Gender Equity	WSC176	V. Princy Kala V. G. Michael Florance	1.It creates positive impacts, fostering a fairer and more inclusive society. 2. It enhances economic growth, promotes diverse perspectives, and contributes to overall social stability.	All the students (122)
M a r c h	Quiz competition	Mathematics Quiz Competition	Pure and Applied Mathematics PM1711, PM1712,P M1713,M C1732, MC 1752etc	Dr.S.Kavitha Mrs.C.Jose lin Jenisha	Students acquire the knowledge of Mathematics & G.K.	Participants
	Association Meeting	Career guidance and guidance for competitive Exams	Employability	Mrs.J.Anne Mary Leema Dr.C.Jenila	1.To motivate and give support the students and determined throughout their preparation journey. 2. To know about students interests, strengths, weaknesses, and career goals through assessments and discussions.	All the students (122)

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2020-2021

**Department of Mathematics (SF)  
Action Plan 2020-2021**

Month	Name of the Activity	Description of the activity	Name of the course and course code based on the activity	Staff -in charge	Expected Outcome	Number of Beneficiaries
July	Association Meeting	Talk on 'Health Awareness'	Universal values and ethics	R.N.Rajalakshmi & S.Kavitha	To improve health behaviours, increase preventive measures, early detection of illnesses.	All Students and Staff (175)
August	Association Meeting	Talk in connection to 'Women's Equality Day' (August 26 <sup>th</sup> )	Women's Studies & Gender Sensitization	V.Maran Arghese & V.G. Micheal Florance	To understand the role and importance of education in shaping every aspects of women's life.	All Students and Staff (175)
	Educational Tour	Bangalore, Mysore	MC1755 Astronomy	V.Princy Kala & V.Maran Arghese	To explore historical sites, nature beauty of places To promote	III UG and II PG (67)



					environmental awareness and conservation to stimulate curiosity and life long learning.	
September	Seminar	Seminar on 'Algebra and Graph Theory'	MC1762, PM2011 PM2021, PM2024 PM1731	S. Kavitha & Mrs. Afina Rosalaiya	1. Students can improve mental health, physical health and maintain a journal. 2. Students can develop Strategic thinking and effective communication.	Students and Staff of our college and other colleges
October	Motivational Talk	Motivational Talk on values	Universal values and ethics & Value Education (code)	V. Princy Kala & C. Jenila	Students can develop thought provoking insight on values and morality enlightened every one.	All Students and Staff (175)
December	Association Meeting	Celebration of Ramanujan Day	Birth or death anniversaries of great	Anne Mary Leema & R.N. Rajaleksh	To inspire students pursue careers in mathematics	All Students and Staff (175)

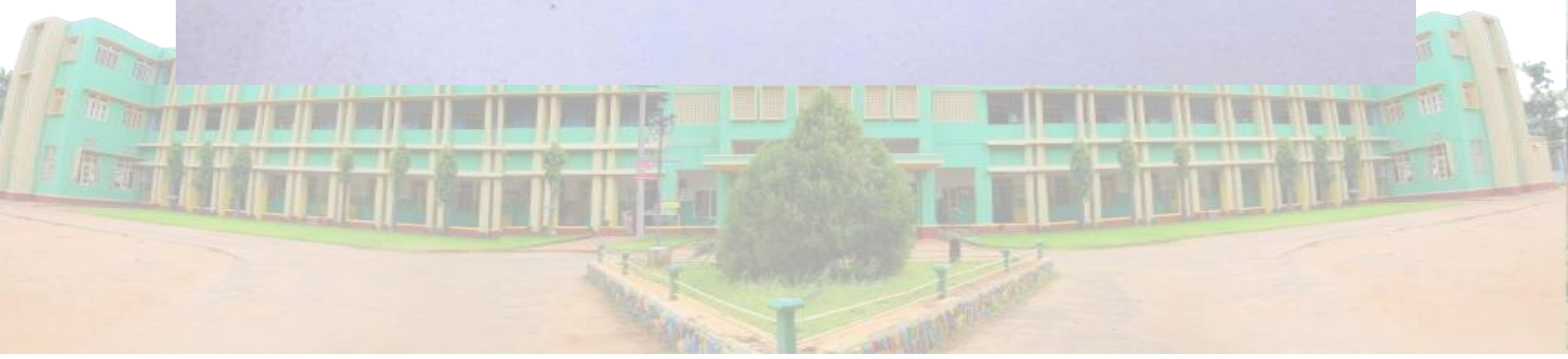




			Indian Personalities (Criterion 7)	mi	and scientific research encouraging them to explore new avenues of mathematical inquiry and innovation	
Christmas Visit & Joy of giving week	Cultural programs and donating money	Initiatives taken to engage with / contribute to local community (Criterion 7)	C. Jenila & Mara Narghese		To provide opportunities for students to empathize with others, especially those who may be less fortunate and to demonstrate compassion.	School for Mentally disordered, Thirupathisaram (38)



January	Competitions (Displaying Mathematical Models and Paper Presentations)	Improving creativity of students and encouraging them in Research activities	MC1762, PM1711 PM2021, PM2024 PM1731	J.Anne Mary Leema & R.N.Rajalekshmi	1.Students know the real life applications of Mathematics in various fields. 2.This program helps the students to improve their skills, creative thinking, analyzing and applying capacity.	Participating team members
	Alumini Talk	NET/SET Coaching	PM2011, PM2012	R.N.Rajalekshmi	To equip students with effective study techniques, time management skills and exam strategies.	All the PG student (47)
February	Association	Talk on 'Eco		V.G. Micheal	To motivate to reuse and	All Students and Staff





	Meeting	Awareness'	EVS	Florance & Mrs.C.Joselin Jenisha	recycle the materials which are degrading the environment.  2. Our students understand the importance of nature and awareness to save the environment.	(175)
	Industrial Visit	Priyadarshini Planetarium	MC1755 Astronomy	V.Maran Arghese & Dr.J.C.Eveline	To gain a deeper understanding of Astronomy through immersive and interactive presentation offered at the planetarium.	II UG and I PG students (71)
March	Association Meeting	Capacity Building Programme	Foundation Course	C. Jenila & S. Kavitha	To develop new skills knowledge and competencies relevant to the professional roles.	All Students and Staff (175)
	Mathematics quiz competition	Department quiz competition	Pure Mathematics MC1732, MC	V. Princy Kala & V.Maran Arghese	To improve their mathematical reasoning problem	A team of 3 students



			1752, PM 2011, PM2012		solving abilities and computational skills for challenging quiz question.	
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2019-2020

**Department of Mathematics (SF)  
Action Plan 2019-2020**

Month	Name of the Activity	Description of the activity	Name of the course and course code based on the activity	Staff -in charge	Expected outcome	Number of Beneficiaries
July	Association Meeting	Talk on 'Purpose of Life'	Universal values and ethics	S.Kavitha & V.Maranarghese	Students learn about positive attitude and healthy life	All Students and Staff (175)
August	Association Meeting	Talk in connection to 'Women's Equality Day' (August 26 <sup>th</sup> )	Women's Studies (code)& Gender Sensitization	R.N.Rajalekshmi & V.G. Micheal Florance	1.To motivate the students to be healthy without diseases by consuming healthy food and practicing simple exercises. 2. To motivate the students be with positive attitude in every situation.	All Students and Staff (175)
	Industrial Visit	Priyadharshini Planetarium	MC1755 Astronomy	V.G. Micheal Florance, V.Maranarghese & C. Jenila	1.To get deep knowledge about the earth, its beginning and the entire universe. 2.To know about the application of mathematics in real life and about robotics	II UG and I PG students (71)
September	Motivational	Motivational Talk on	Universal values and	D.Berlalyanthy &	To learn about the importance of value education and moral	All Students and Staff



	Talk	values	ethics & Value Education (code)	C. Jenila	values.	(175)
	Educational Tour	Bangalore, Mysore	MC1755 Astronomy	V. Maran Arghese & C. Jenila	1. Gain deeper understanding of the subject matter or the destination visited 2. To motivate the students watching the astronomical structures in museum.	III UG and II PG (67)
October	Seminar	Seminar on 'Algebra and Graph Theory'	MC1762, PM1711, PM1721, PM1724, PM1731	R.N. Rajalekshmi & V. Princy Kala	1. Gain knowledge about Analysis and Graph Theory. 2. To gain many ideas about how to link Graph Theory in real life. 3. To get idea about the subjects related to the NET Examination.	Students and Staff of our college and other colleges
	University Quiz Competition	Sending Students (participants) for the Quiz	Pure Mathematics MC1732, MC1752, PM1711, PM1712	D. Berla Jayanthy	1. To motivate be healthy without diseases by consuming healthy food and practicing simple exercises. 2. To motivate to be with	A team of 3 students
December	Association Meetin	Celebration of Ramanujan	Birth or death anniversaries of	V.G. Micheal Florance & V. Princ	positive attitude in every situation.	All Students and Staff (175)





	g	Day	great Indian Personalities (Criterion 7)	y Kala		
	Christmas Visit	Cultural programs and donating money	Initiatives taken to engage with / contribute to local community (Criterion 7)	V.G. Micheal Florence & C. Jenila	1.To get new experience to communicate with the Mentally Retarded People 2.To feel happy and they shared 'X'Mas wishes	School for Mentally disordered, Thirupathisaram (38)
January	Competitions (Displaying Mathematics Model and Paper Presentations)	Improving creativity of students and encouraging them in Research activities	MC1762, PM1711, PM1721, PM1724, PM1731	J. Anne Mary Leema & R.N. Rajalekshmi	1.To know the lot of real life applications of Mathematics in various fields. 2. To obtain the basic knowledge in Graph theory, Calculus, Number Theory, Probability etc by preparing models and exhibiting them. 3. To help the students to improve their skills, creative thinking, analyzing and applying capacity.	Participating team members
February	Association Meeting	Talk on 'Cancer Awareness' by Ms. Jenny Padua	AEC172 EVS	D. Berla Jayanthi & C. Jenila	1.To acquire knowledge about the various types of pollutions and their harmful effects. 2.To aware of the	All Students and Staff (175)



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March	H.Shar e	Donating Money	Initiative s taken to engage with / contribut e to local communi ty  (Criterio n 7)	J.Anne Mary Leema & V.Princy Kala	benefits of trees.  To feel happy to help people who are economically weak.	Saratha Orphanage, PonnapaNa dar Colony, Nagercoil.( 50)
	Associ ation Meetin g	Debate on "Role of government in women empowermen t"	Foundati on Course  WSC 176	J.Anne Mary Leema	To acquire knowledge about the initiatives taken by the government of India for Women empowerment	All Students and Staff  (175)
	Mathe matics quiz compe tition	Sending students (participants) to St.Xaviers College, Tirunelveli	Pure Mathem atics MC1732 , MC 1752, PM 1711, PM1712	S.Kavitha & V.MaraN arghese	To acquire the knowledge of various papers in Mathematics.	A team of 3 students
	Joy of giving Week	Providing things for their daily needs	Initiative s taken to engage with / contribut e to local communi ty  (Criterio n 7)	All the staff	1.To get new experience to communicate with the Mentally Retarded People  2.To feel happy and they share' X'Mas wishes	AnbinSigar am Trust, NGO Colony  (35)

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