



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

Easy Science Learning for School students

Agenda 21 of the Biodiversity Convention is intended in improving the conservation, sustainable use, and equitable sharing of benefits derived from the utilization of biological diversity in general of biodiversity. With the aim of supporting the goal put forward by the Biodiversity Convention, a science popularization program focussing on environment education was conducted by MACFAST college in the year July 2016- March 2017 under the funding of Kerala State Council for Science, Technology and Environment (KSCSTE). Invitations were sent to various schools in Pathanamthitta district for their participation and 22 schools accepted the invitation and communicated their willingness to participate in the program. A total of 829 students from class 6-8 participated in the program. The lesson plan modules and code of conduct was developed by Dr. S. Seeni (Principal Investigator). PI was assisted by four Co-PIs from the School of Biosciences. 3-6 student volunteers were also randomly selected from MACFAST college to assist the PI for each school. Co-PIs and student volunteers helped the PI in conveying the environmental message correctly to the students and teachers. The training included both indoor and outdoor activities. The games included in the modules are listed below

- Photosynthesis
- Island biodiversity game
- Food web game
- Seed survival race
- Biological Bazaar
- Successful city
- Debate on Waste management
- Biodiversity and development card game

Students from 6th to 8th standard were selected because of their playfulness, innocence, curiosity, keen learning attitude, and questioning nature. Students actively participated in the program and they also completed the simple assignments given to them on time. The program was highly appreciated and many of the students wanted us to organize such programs regularly in their schools and also suggested that we include poems and songs in the extra-curricular activities.

Fr. Dr. **CHERIAN J KOTTAYIL**
PRINCIPAL
Mar Athanasios College For Advanced Studies
Thiruvalla- 689101, Kerala



Beena Cherian
Beena Cherian
Dean, School of
Biosciences



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

Table showing different schools where the workshop was organized

2016-2017

Sl No	Name of the School	Date of Conduct	Programme	Number of Students benefitted
1	Govt. HSS, Kuttoor	22/07/16 & 26/07/16	Photosynthesis Island game Survival of the fittest Seed dispersal Who am I? Successful city Debate on waste disposal Food chain Biological bazaar	<u>30</u>
2	Balikamadom HSS, Thirumoolapuram	18/08/16	Photosynthesis Debate Food chain Biological Bazaar	<u>32</u>
3	MGD HS, Puthussery	19/08/16	Photosynthesis Food chain Who am I? Biological bazaar	<u>40</u>
4	Govt. HSS, Kallupara	24/08/16	.Debate on deforestation Photosynthesis Food chain Biological bazaar	<u>52</u>
5	SCS HS Thiruvalla (forenoon)	25/08/16	.Photosynthesis Who am I? Food chain	<u>20</u>
6	St Theresia Bethany Convent, Chegaroor	25/08/16	Photosynthesis Food chain Who am I? Biological bazaar	<u>58</u>



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

7	St Thomas UP School, Vennikulam	26/08/16	Photosynthesis Island game Survival of the fittest Seed dispersal Who am I? Successful city	<u>36</u>
8	Nicholson HS School, Thiruvalla	29/08/16	Who am I? Successful city Debate on waste disposal Food chain Biological bazaar	<u>50</u>
9	Mar Dionysius School, Rishey valley, Mallapally	08/09/2016	Photosynthesis Food web Who am I? Survival of the fittest Biological Bazaar Successful city	<u>40</u>
10	Thirumoola Vilasam UP School	20/09/2016	Island game Survival of the fittest Seed dispersal Who am I? Successful city Photosynthesis	<u>22</u>
11	Sankaramangalam Public School	07/10/2016	Photosynthesis Food Web Who Am I? Seed Dispersal Island Game Survival Of The Fittest Biological Bazaar Successful City Debate On Waste Management	<u>129</u>
12	St George HS, Chunkapara	23/09/2016	Photosynthesis Food Web Who Am I? Biological Bazaar Survival of the fittest	<u>42</u>



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

13	MSM UP School , Niranam	07/11/2016	Photosynthesis Food web Who am I? Survival of the fittest Biological Bazaar Successful city Debate on Deforestation	<u>60</u>
14	Prince Marthanda Varma HS, Peringara	10/11/2016	Photosynthesis Food Web Who Am I? Island Game Biological Bazaar Successful City	<u>59</u>
15	Govt. LP & UP Girls School, Kadapra	16/11/2016	Photosynthesis Food Web Who Am I? Seed Dispersal Island Game Survival of The Fittest Biological Bazaar Successful City Debate on Waste Management	<u>19</u>
16	CMS School Nedumpuram	11/01/2017	Photosynthesis Food Web Who Am I? Seed Dispersal Island Game Survival of The Fittest Biological Bazaar	<u>34</u>
17	St. Thomas UP School, Vakayar, Konni	09/02/2017	Photosynthesis Food web Who am I? Survival of the fittest Biological Bazaar Successful city	<u>25</u>



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

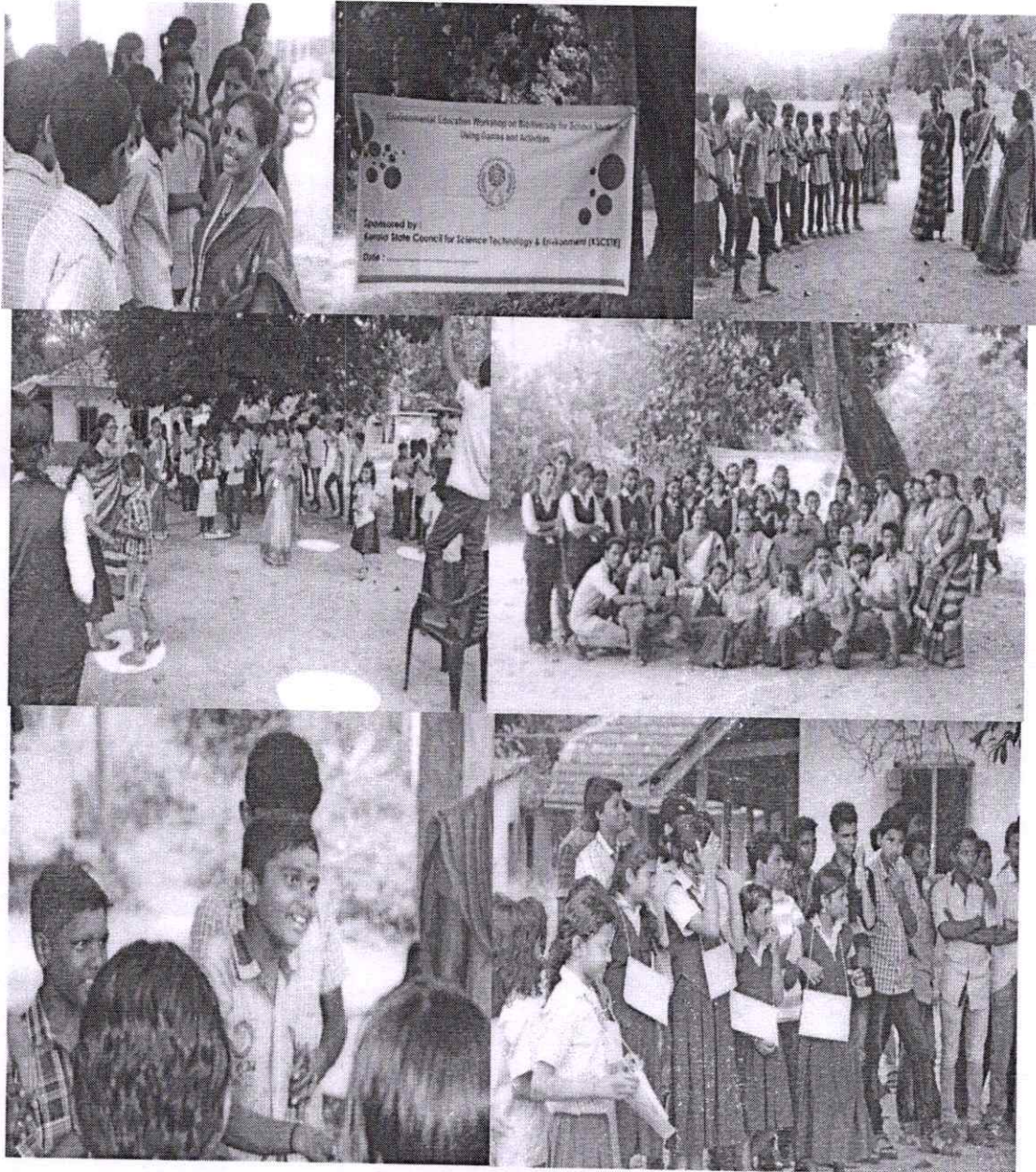
(MACFAST)

Thiruvalla - 689101

18.	Amrita Vocational Higher Secondary School, Eliyarakal, Konni	09/02/2017	Photosynthesis Food Web Who am I? Seed Dispersal Island Game Survival of The Fittest Biological Bazaar Successful City Debate on Waste Management	<u>25</u>
19	Republican Vocational Higher Secondary School, Konni	13/02/2017	Photosynthesis Food Web Who am I? Seed Dispersal Island Game Survival of The Fittest Biological Bazaar Successful City Debate on Waste Management	<u>25</u>
20.	Govt. HS School, Konni	13/02/2017	Photosynthesis Food Web Who am I? Seed Dispersal Island Game Survival of The Fittest Biological Bazaar Successful City Debate on Waste Management	<u>25</u>
21	C.M.S LP School, Theppani	25/03/2017	Photosynthesis Food Web Who am I? Biological Bazaar Survival of the fittest	<u>15</u>
22	Thirumoolavilasam High School, Thirumoola, Tiruvalla	25/03/2017	Photosynthesis Food Web Who am I? Island Game Biological Bazaar Successful City	<u>21</u>

Imageries of the programs conducted in different schools are compiled and presented below:

Govt. HSS, Kuttoor



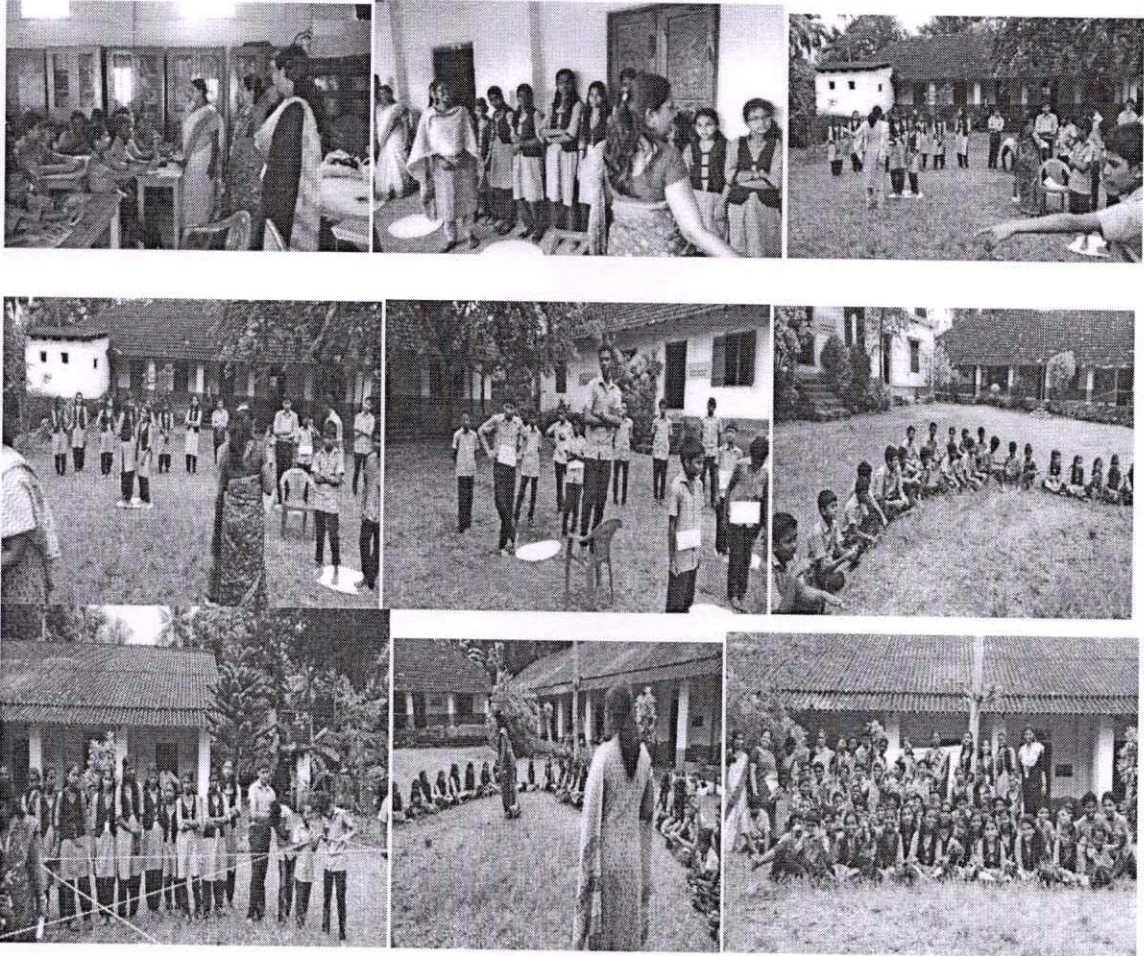
BALIKAMADAM HSS THIRUMOOLAPURAM



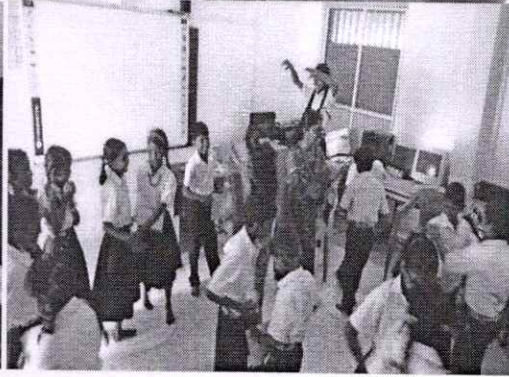
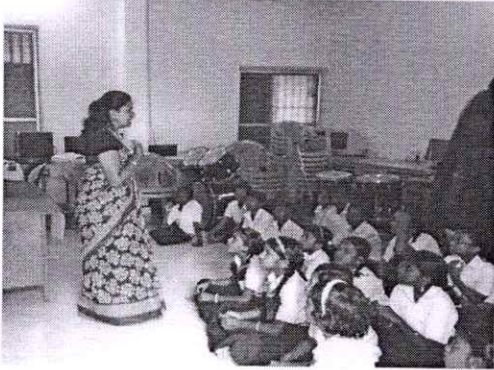
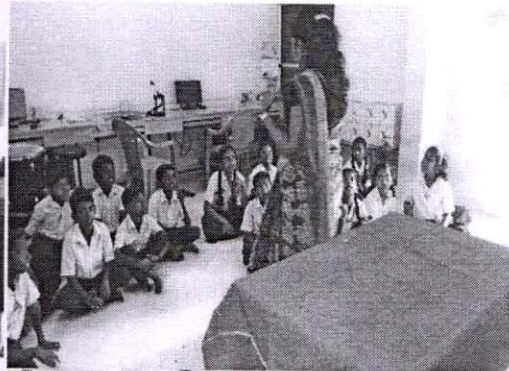
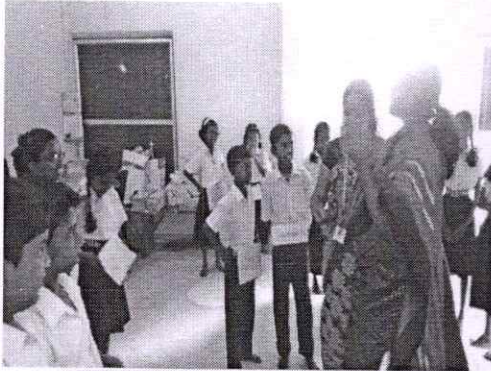
MGD HS, PUTHUSSERY



GOVT. HSS, KALLUPARA



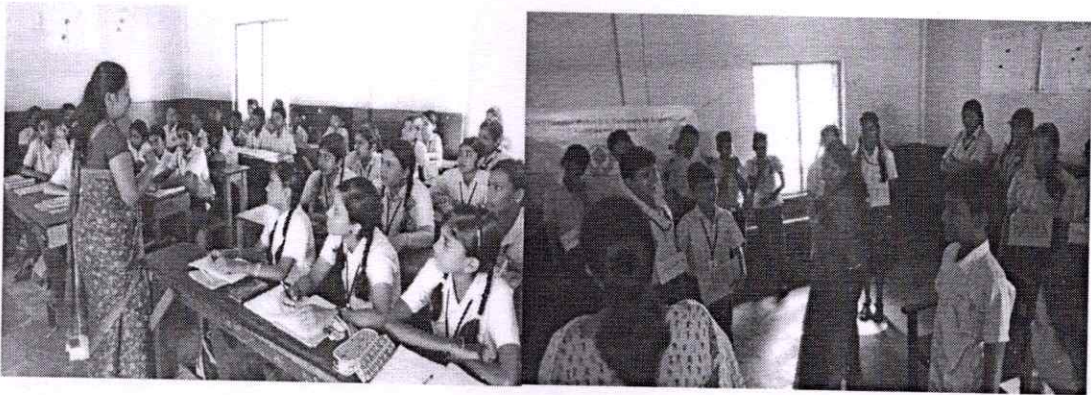
SCS HS THIRUVALLA



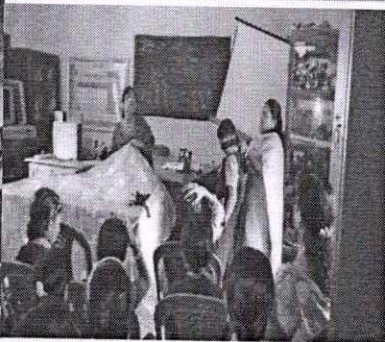
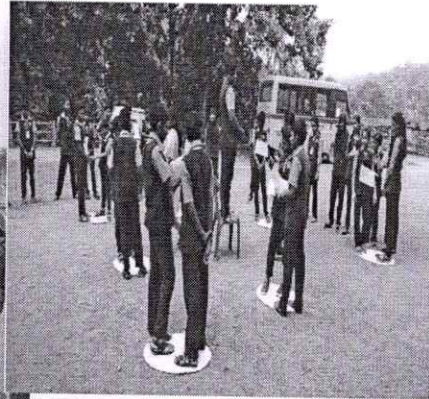
ST THERESIA BETHANY CONVENT, CHEGAROR



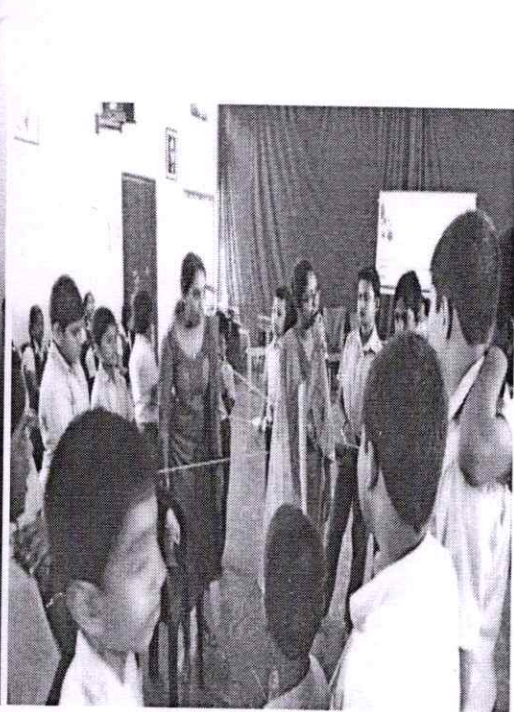
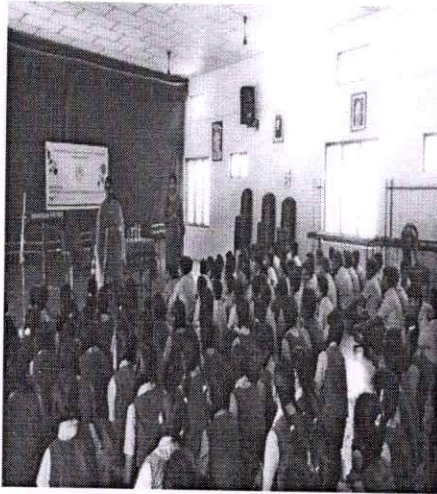
ST THOMAS UP SCHOOL, VENNIKULUM



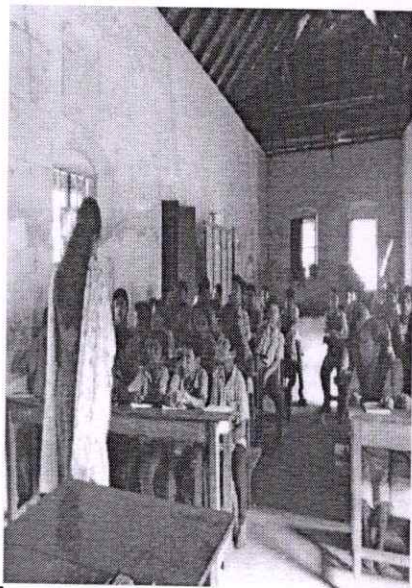
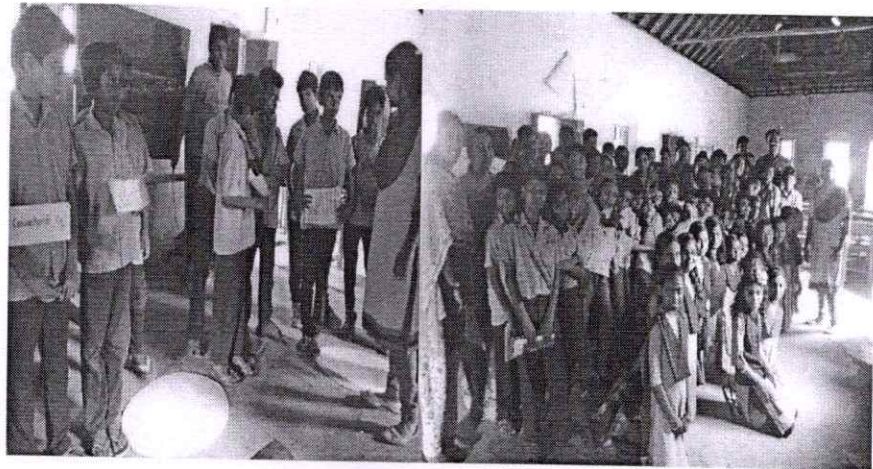
ST GEORGE HS CHUNKAPARA



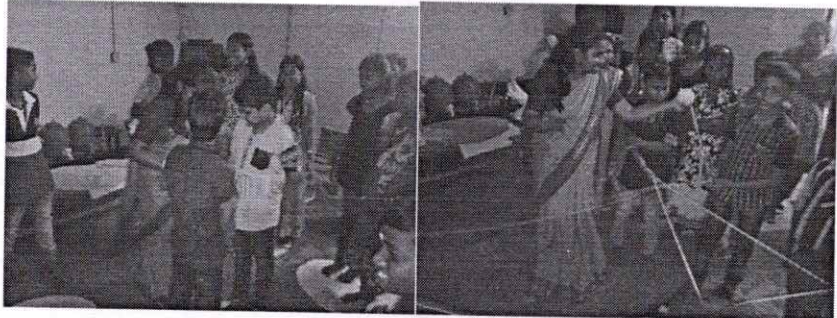
SANKARAMANGALAM PUBLIC SCHOOL



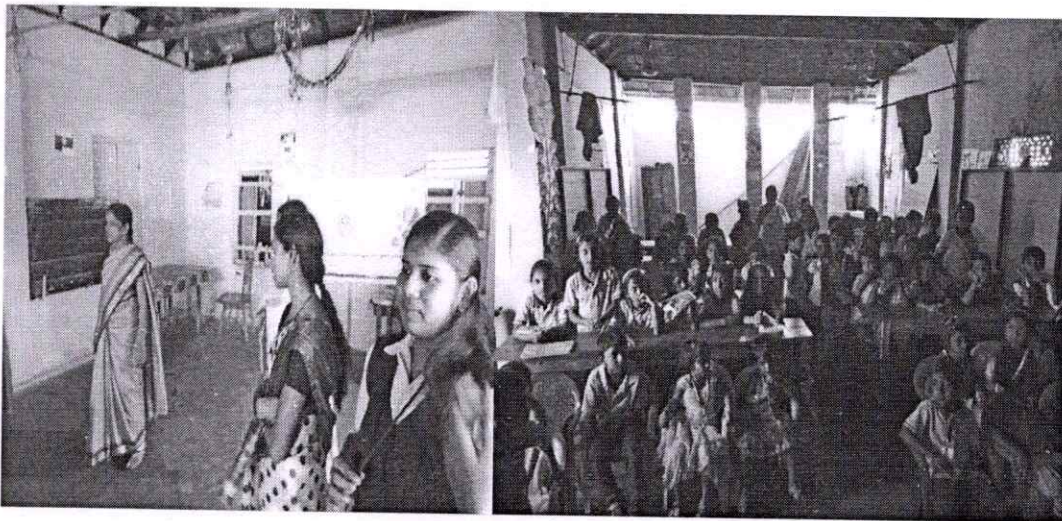
PRINCE MARTHANDAVARMA SCHOOL



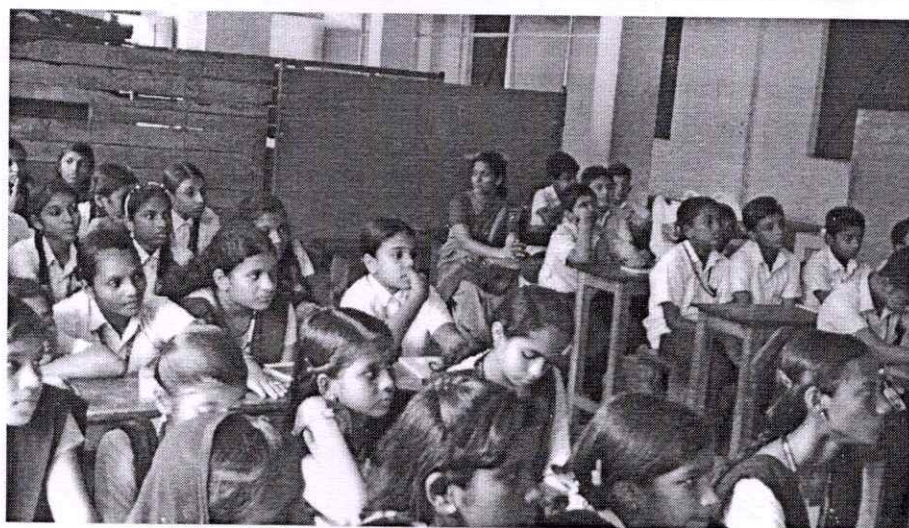
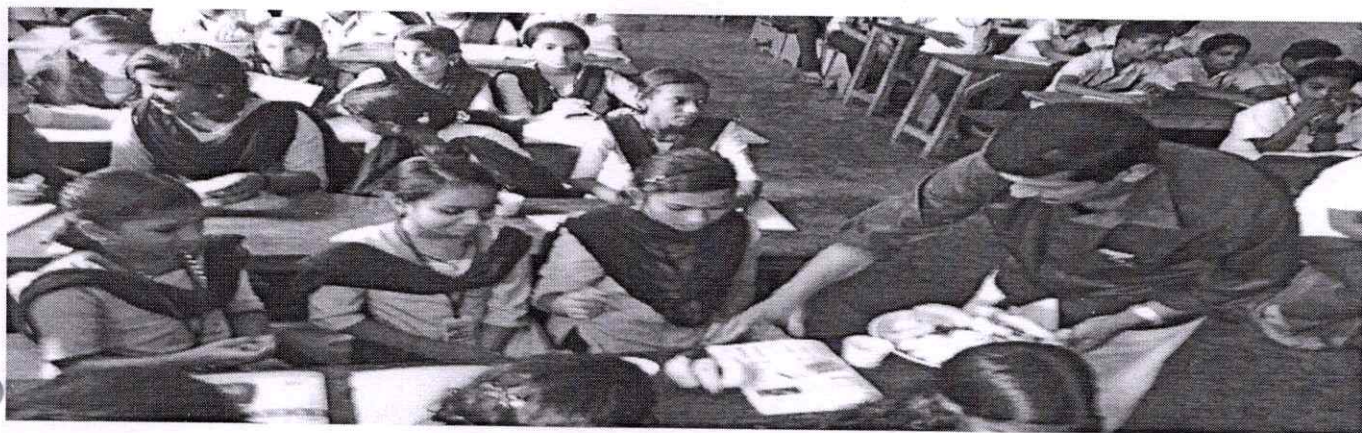
GOVT LP & UP SCHOOL KADAPPRA



CMS LP.SCHOOL, NEDUMPURAM



GOVT.HS, KONNI & REPUBLICAN HIGH SCHOOL, KONNI



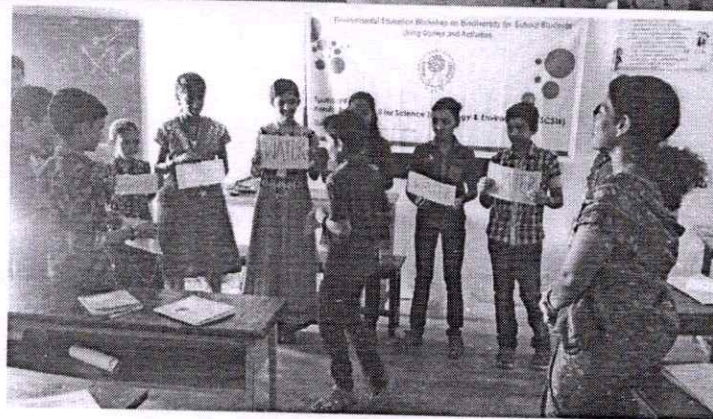
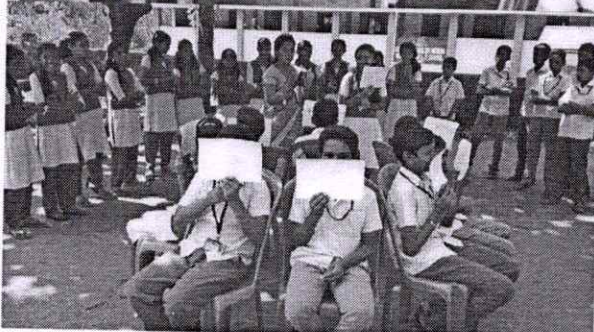
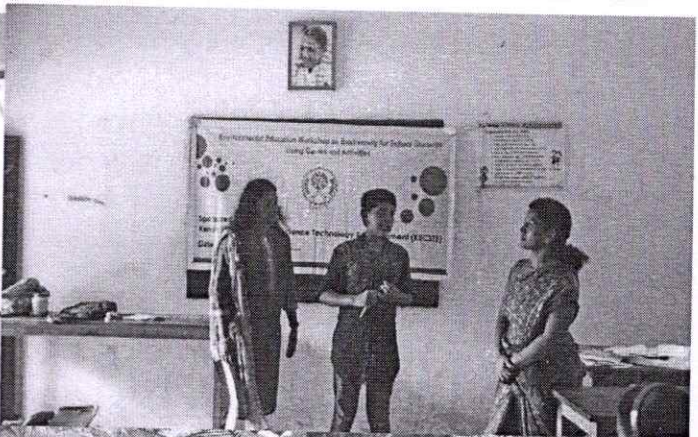
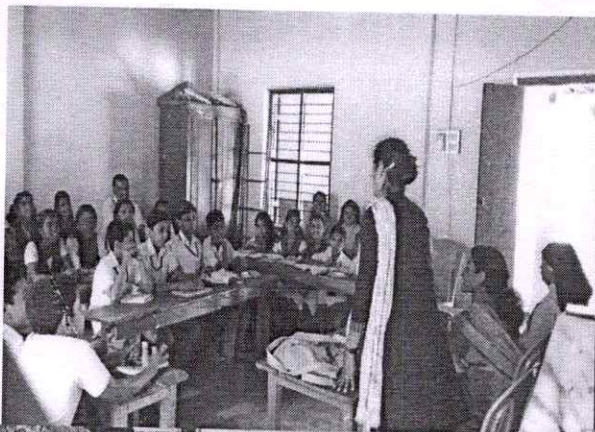
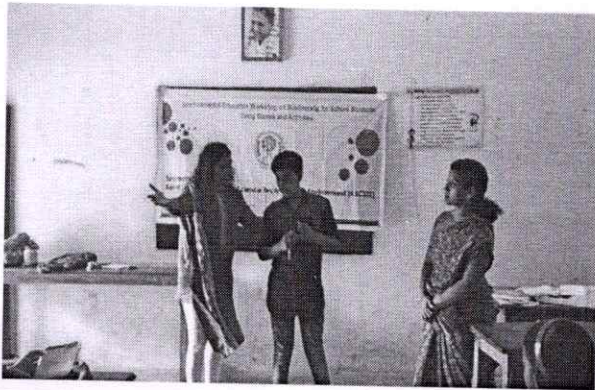
CMS LP SCHOOL, THEPPANI



THIRUMOOLAVILASAM HIGH SCHOOL, THIRUMMOOLA, TIRUVALLA



AMRITA HIGH SCHOOL, ELIYARAKAL & ST. THOMAS SCHOOL VAKAYAR



Beena Chorian
Beena Chorian
Dean, School of
Biosciences