



MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

**Report on the
Easy Science Learning Project
School of Biosciences**





MAR ATHANASIOS COLLEGE FOR ADVANCED STUDIES TIRUVALLA

(MACFAST)

Thiruvalla - 689101

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.



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, Kuttloor | 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 | Balikamadam 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)

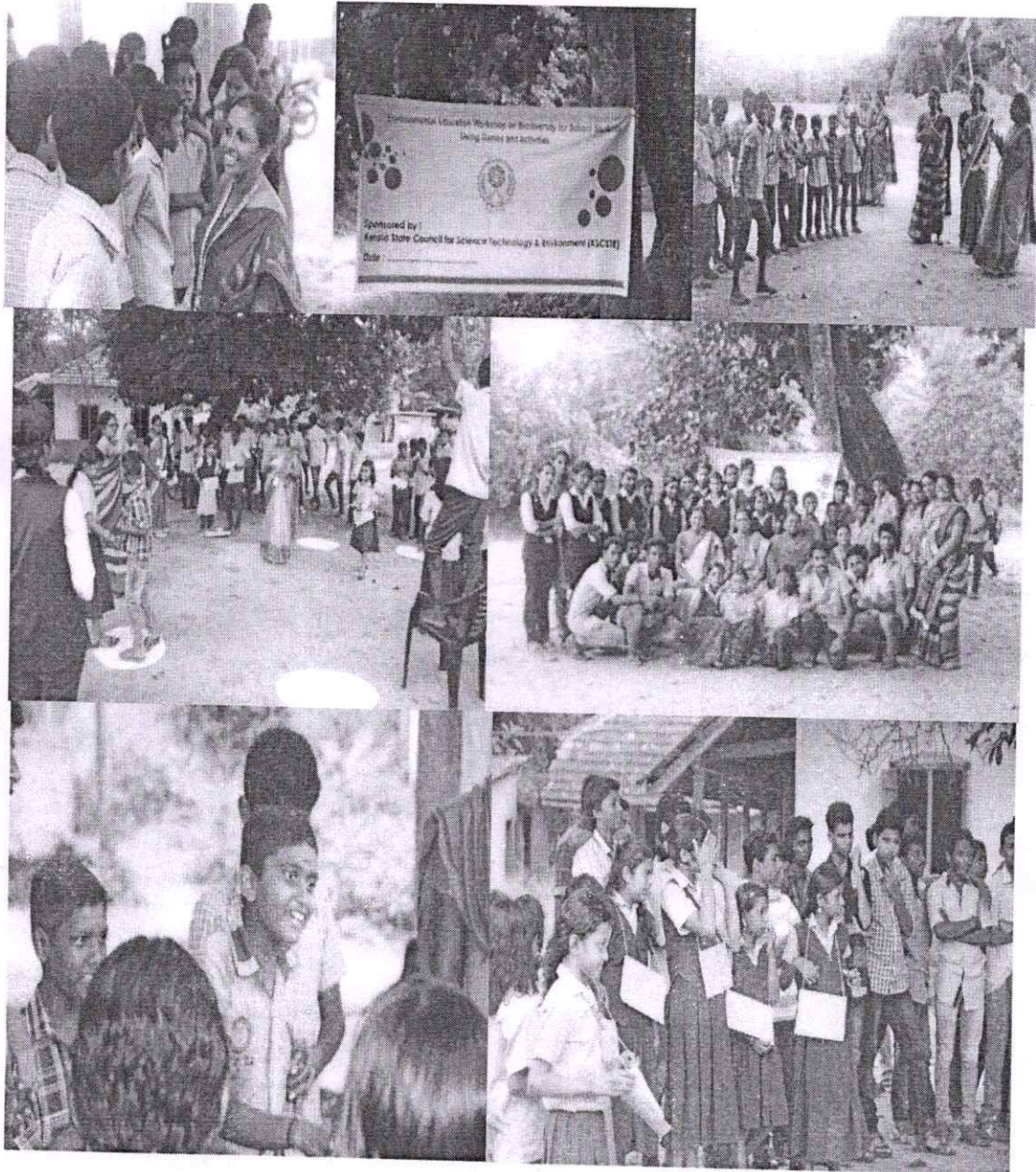
Thiruvalla - 689101

| | | | | |
|-----|--|------------|---|-----------|
| 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> |

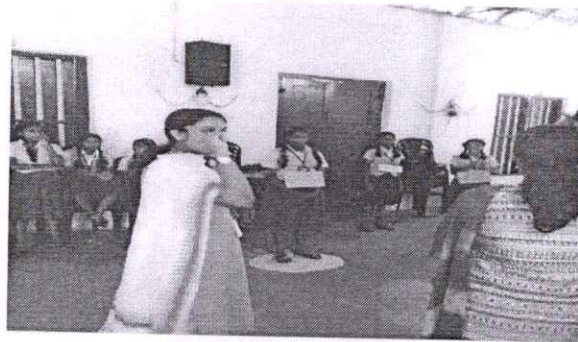


Imageries of the programs conducted in different schools are compiled and presented below:

Govt. HSS, Kuttoor



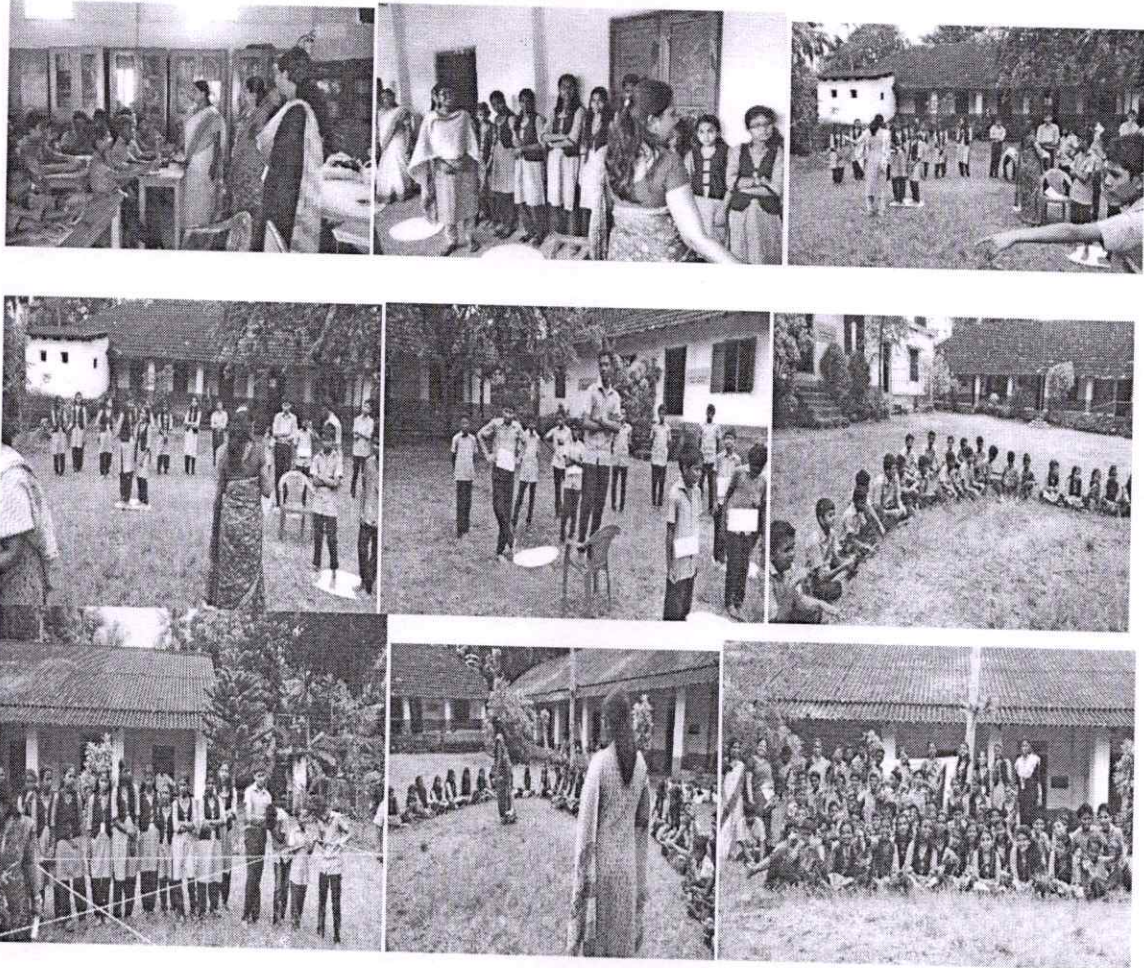
BALIKAMADAM HSS THIRUMOOLAPURAM



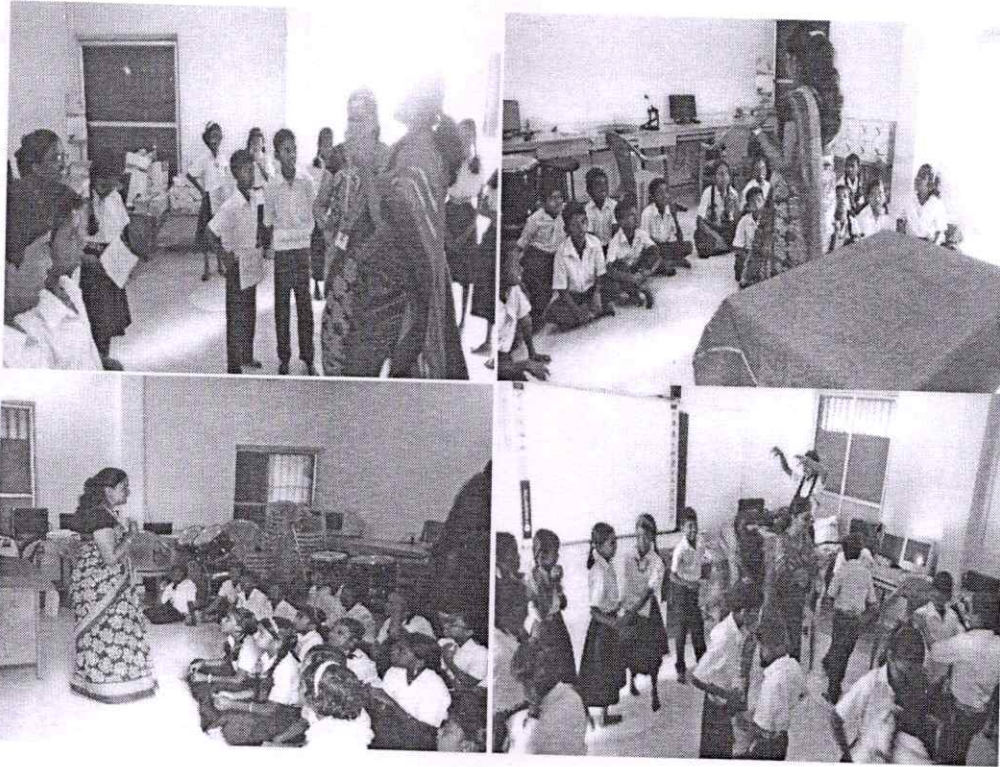
MGD HS, PUTHUSSERY



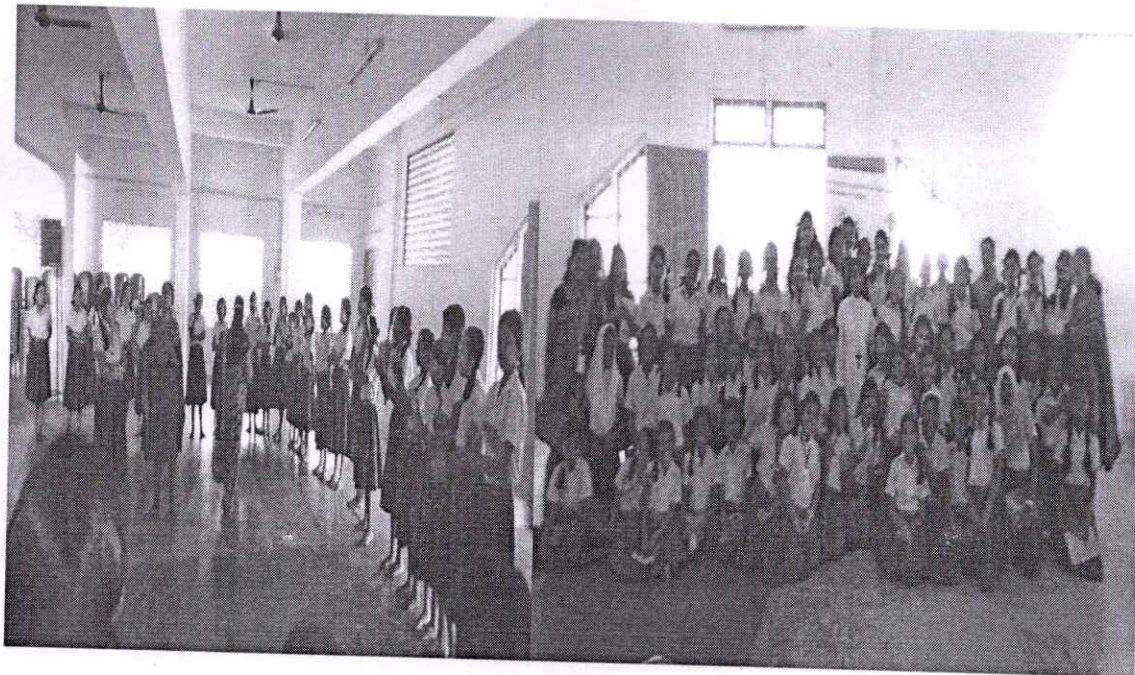
GOVT. HSS, KALLUPARA



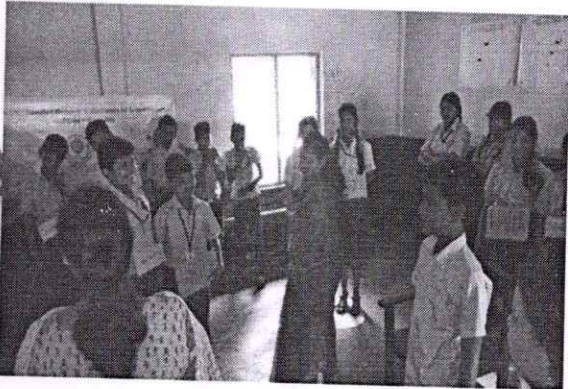
SCS HS THIRUVALLA



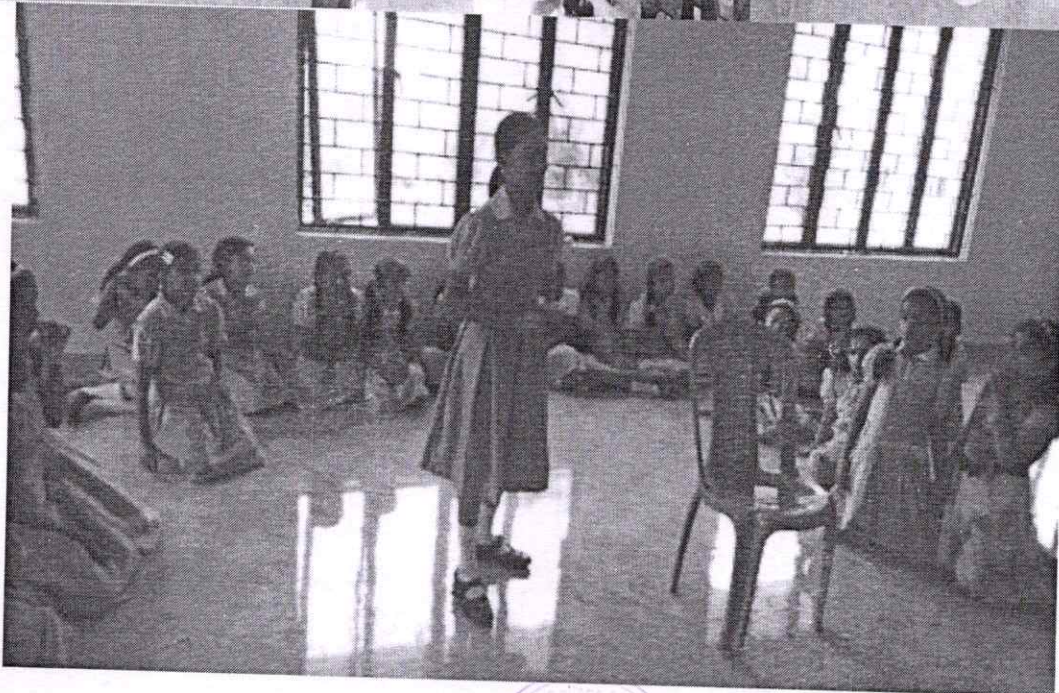
ST THERESIA BETHANY CONVENT, CHEGAROR



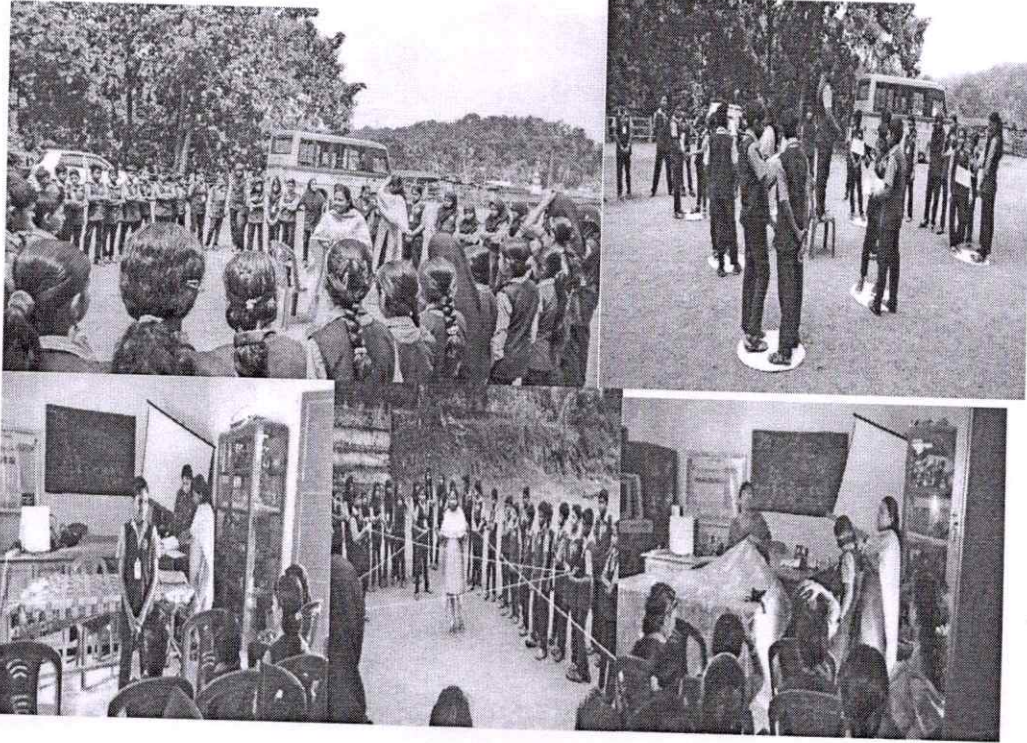
ST THOMAS UP SCHOOL, VENNIKULUM



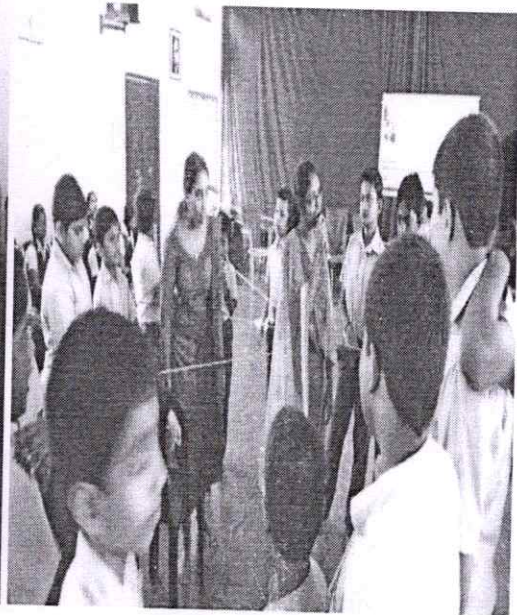
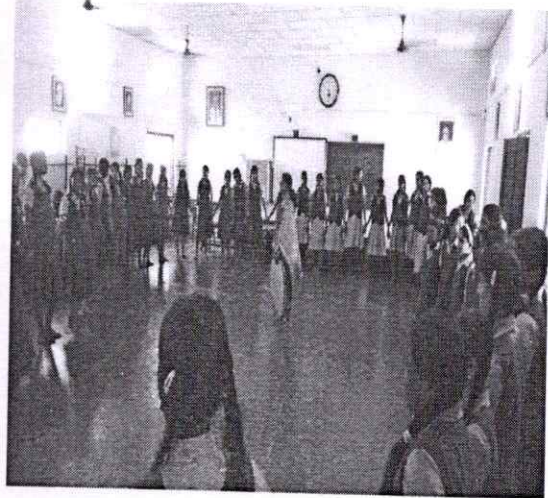
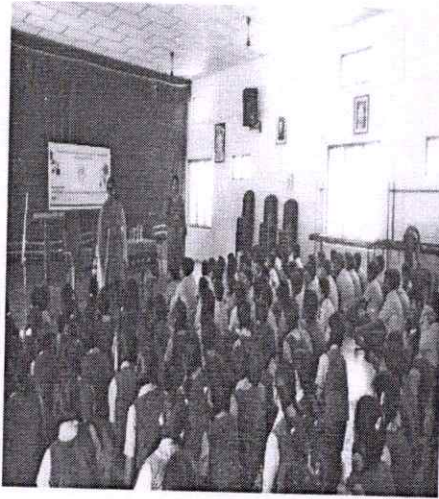
NICHOLSON HS SCHOOL, THIRUVALLA



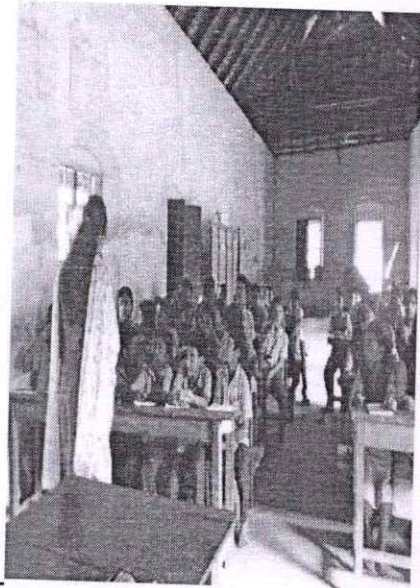
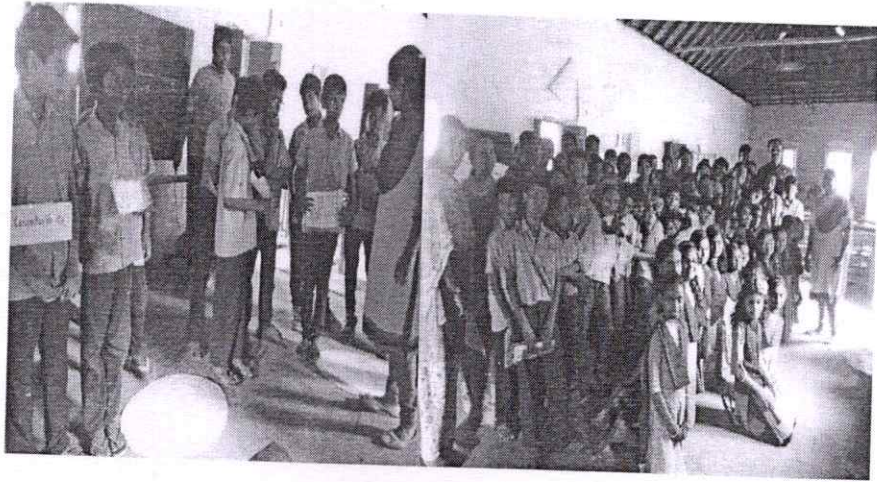
ST GEORGE HS CHUNKAPARA



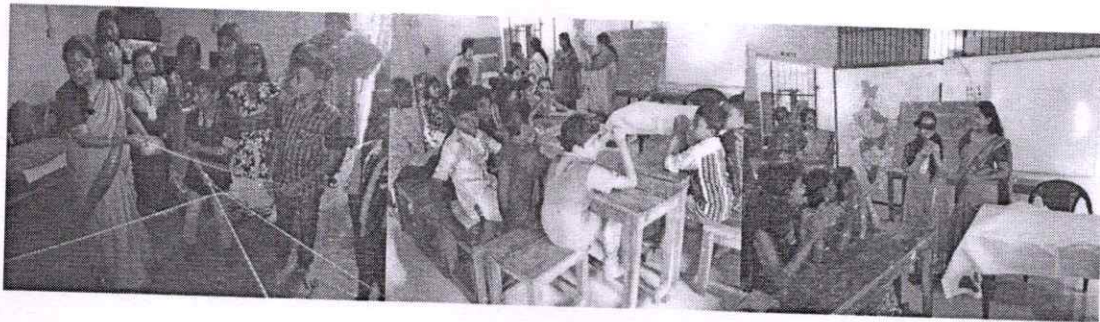
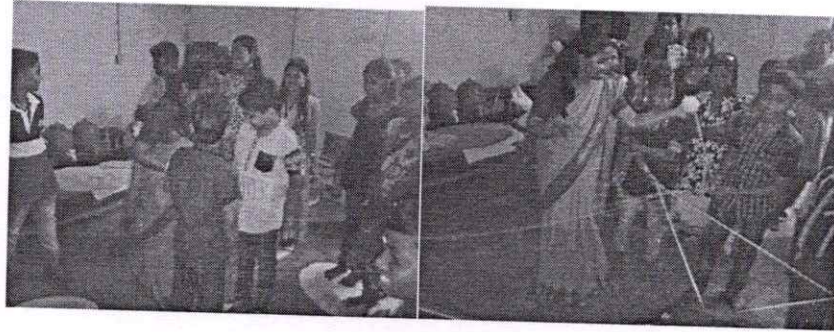
SANKARAMANGALAM PUBLIC SCHOOL



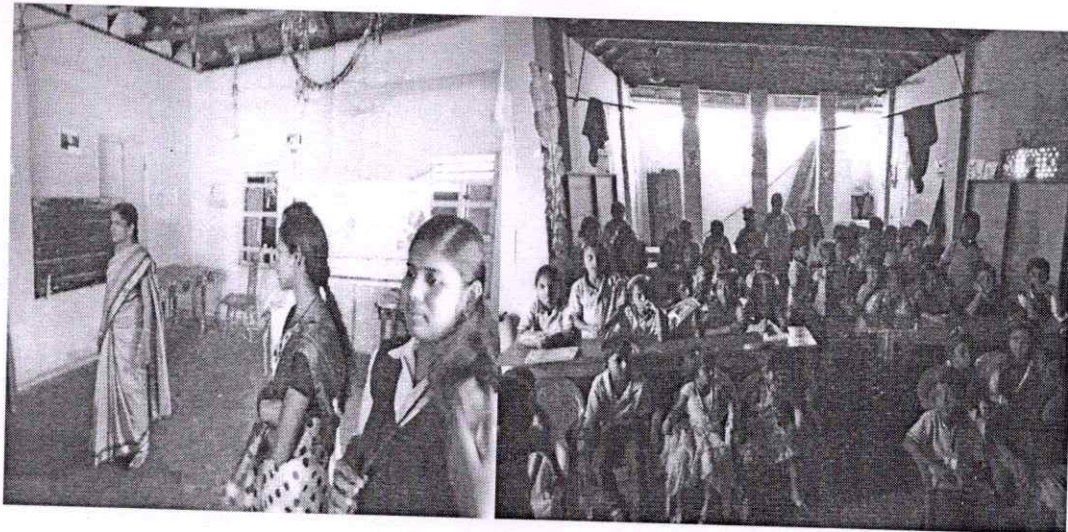
PRINCE MARTHANDAVARMA SCHOOL



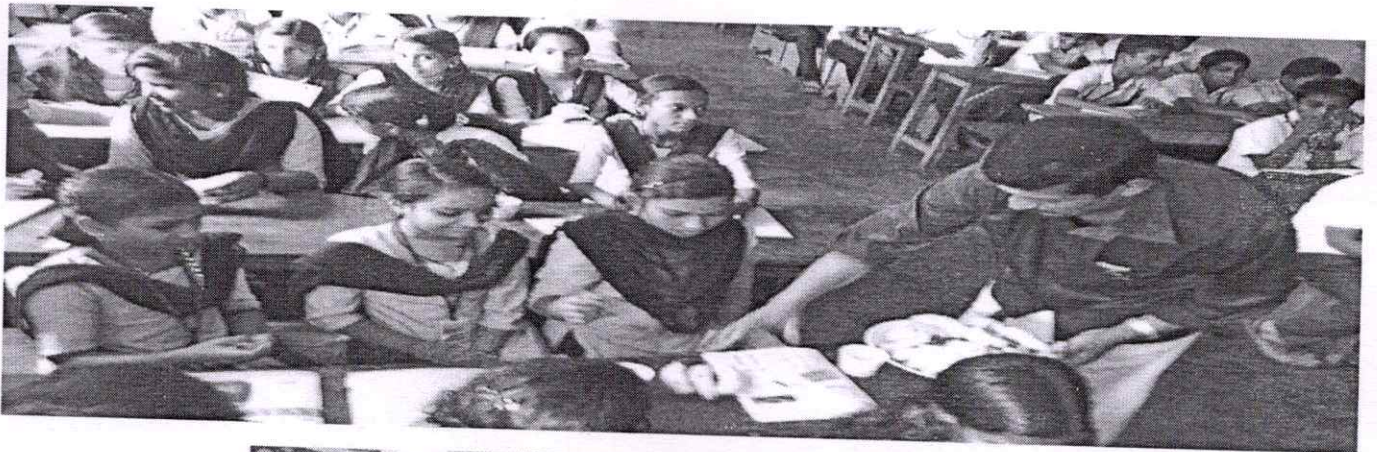
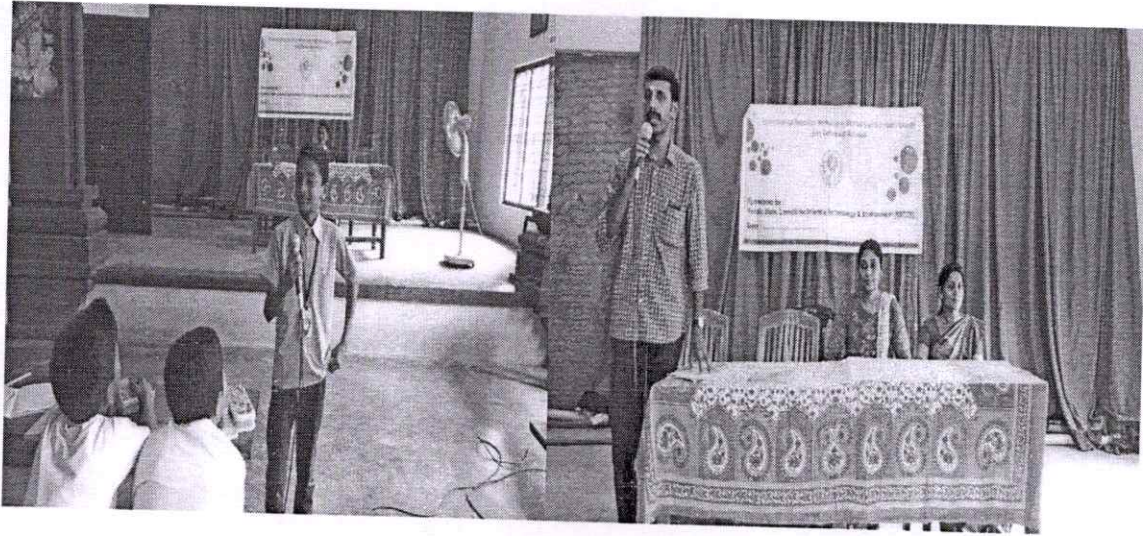
GOVT LP & UP SCHOOL KADAPPRA



CMS LP.SCHOOL, NEDUMPURAM



GOVT.HS, KONNI & REPUBLICAN HIGH SCHOOL, KONNI



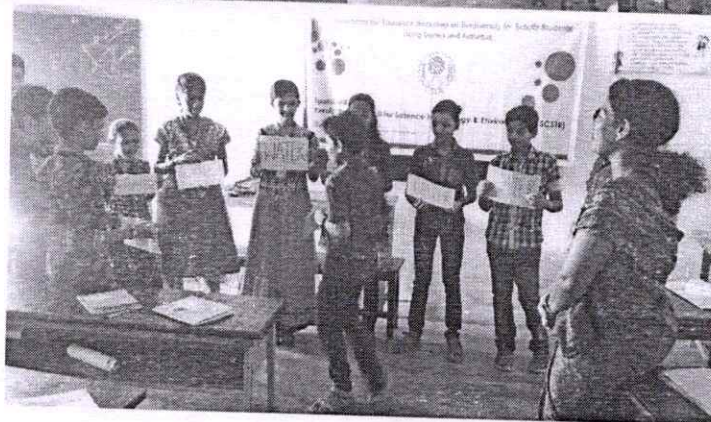
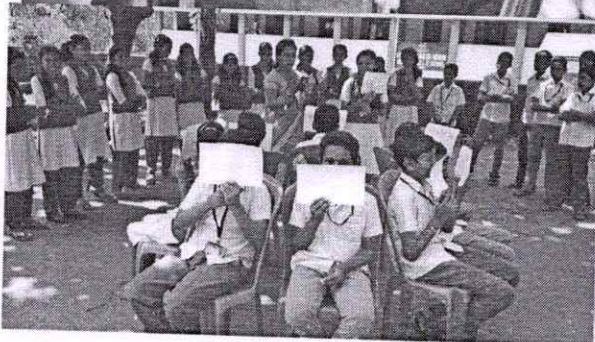
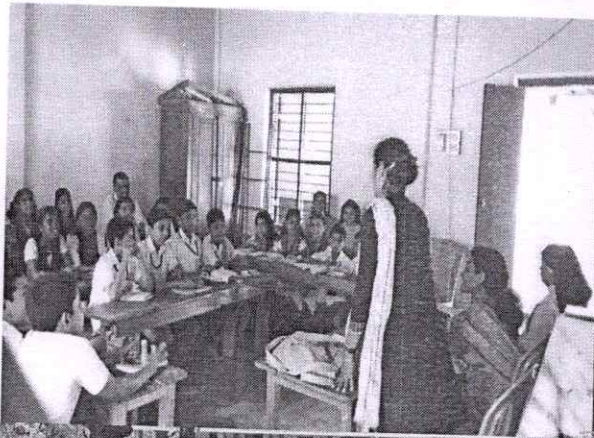
CMS LP SCHOOL, THEPPANI



THIRUMOOLAVILASAM HIGH SCHOOL, THIRUMMOOLA, TIRUVALLA



AMRITA HIGH SCHOOL, ELIYARAKAL & ST. THOMAS SCHOOL VAKAYAR



Beena Cherian
Beena Cherian
Dean, School of
Bioscience



Crone. HSS, Kuttose

Date of Conduct : 22/07/16 & 26/07/16

Name of volunteers :

Asha LP

Ashu

Devika VA

Devika VA

Feba Das

Feba Das

Lintā Jose

Lintā

Nilthya P

Nilthya

Arreeshma S

Arreeshma

Aswin

Aswin

Sini Sathar



Aswathy S

Aswathy S

Aswathy



Verified by
Cripkin

Balickamadom HSS, Thiruvananthapuram

Date of conduct : 18/08/16

Name of Volunteers : Greshma S ~~Pradip~~
Sofia Solomon Sofia Sol.
Prasanthi P ~~Pradip~~
Aswathy S ~~Pradip~~
Anjali Pradeep Anjali



Verified by
Ciplhi



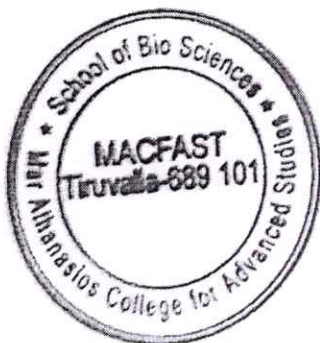
MAD H'S, Puthussery

Date of Conduct: 17/08/16

Name of Volunteers: Sridithy M's Sridithy
Aisha Anubang Aisha
Meera T.S. Meera
Soojya Ramesh Soojya
P.S. Sivakki Sivakki







Verified by Cripthi



Govt. Hss Kallupara

Date of conduct: 24/08/16

Name of volunteers

| | |
|---------------------|---|
| Revathy V A |  |
| Sindoo K Udayakumar |  |
| Niss mol Shajan |  |
| Sini Sattar |  |



Verified by
Cripka



SES HS Thiruvalla

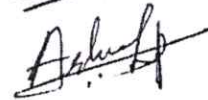
Date of conduct : 25/08/16

Name of Volunteers

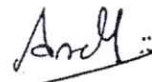
Dibha P S



Asha W P



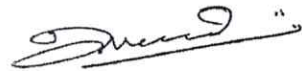
Achana Kishor Kumar



Simon Thomas



Denne K Thampe



verified

tripthi



St. Theresa's Belthangal
Chengam

Date of conduct : 25/08/16

Name of Volunteers

Archana Kishor Kumar Arch

Ashwin Ashwin

Sini Sathar Sini

Rinoy Mathew Rinoy



Verified by
Cripkhi



St Thomas UP School
Vennikulam

Date of Conduct: 26/08/16

Name of the Volunteers: Greeshma S

Aswathy S

Simon Thomas

Siswayer Vasanth



Verified by
Cripthi



Nicholson HS School
Thiruvalla

Date of conduct : 29/08/16

Name of volunteers : Sree Lakshmi N. Sreedakshmi

Denni K Thampi Denni

Asha W P Ashaf

Soumya Zachariah Soumya



Verified by
Aripthi

Mae Dionysius School, Pishay
Valley, Mallapally

Date of conduct : 08/09/2016

Name of volunteers :

Discreya Vasanth A Vasanth

Simi Sallae Simi

Rincy Mathew Rincy

Feba Das Feba



Verified by
Cripithu

Thirumoola vilagam . UP school

Date of conduct : 20/09/2016

Name of volunteers

Anuja A Naie Anuja

Sindooru K Udayakumar KSuS

Sree Lakshmi N Sree Lakshmi



verified by
Cripthi

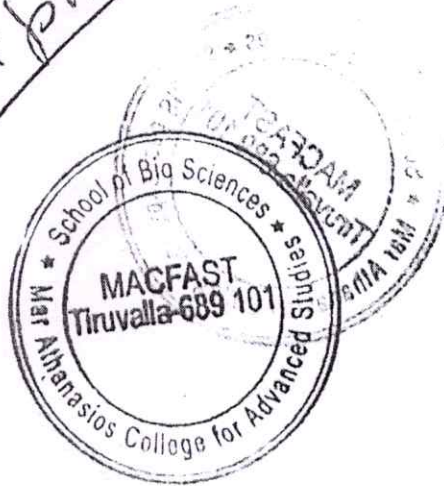
Sankaramangalam Public School

Date of Conduct: 07/10/2016

Name of Volunteers: Revathy VA
Aechana kishor Kumar
Noyal Shaji
vidyalekshmi V
Aswini

Rajesh
Amy
Neeraj
Vishal
Suresh

Verified by
Cripthra



St. George Hs, Chenkara

Date of Conduct: 23/09/2016

Name of Volunteers:

Lida kku

Lida kku

Prasanthi P

Prasanthi P

Dausana S

Dausana S

Santhya MS

Santhya MS

Soumya Zachariah

Soumya Zachariah

Aswathy Ramesh

Aswathy Ramesh



Verified by
Aswathy

MSM UP School, Nuanam

Date of conduct: 04/4/2016

Name of volunteers: Feba Das Feba
Sofia Solomon Sofia Solomon
Asha W P Ashaf
Teena Daniel Teena
hinter Jose hinter
thijas Anil thijas



verified by Cripolhi

Dance Maethanda Vaama H S
Perunguon

Date of conduct: 10/11/2016

Name of volunteers:

Ashok LP Ashok LP

Anjan A Nair Anjan

Dibhen PS Dibhen

Disa walty Ramesh Disa walty

Vidya Lakshmi V Vidya Lakshmi

Princy Mathew Princy



verified by
Cripkhi

Govt. LP & UP Cule School
Kadappa

Date of Conduct: 16/11/2016

Name of volunteers:

Ajay Pradeep

Ajay

Santhi MS

Santhi

Asha Antony

Asha

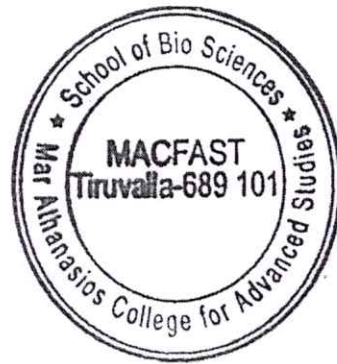
Mena TS

Mena

Soorya Ramesh

Soorya

Verified by
Cripplhi



CMS School Nedumpanam

Date of conduct : 11/01/2014

Name of volunteers: Soumya Abraham Prof.

Aniya A Nair Prof.

Revathy V A Prof.

Niss Mot Shajan Prof.

Sini mot philip Prof.



verified by
Cripthi

St. Thomas UP school Vakayae

Konni

Date of Conduct: 09/02/2017

Name of students:

hrida helu

PS Swathi

Asha LP

Feba Das

Sreelakshmi N

Aswini

Aiswarya vasantha

Ladefolun

Swathi

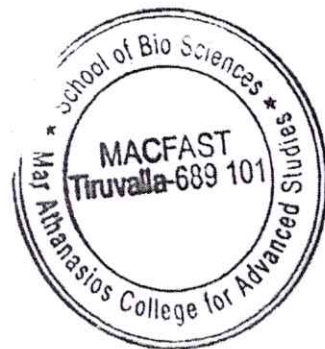
Ashu

Das

Breelakshmi

Aswini

Aiswarya



Verified by
Cripkin

Amrita Vocational Hgls Secondary
School, Eligarakal, Konni

Date of conduct : 09/02/2017

Name of volunteers

Soumya Zacharali

Smith

Sindooa K udayakumar

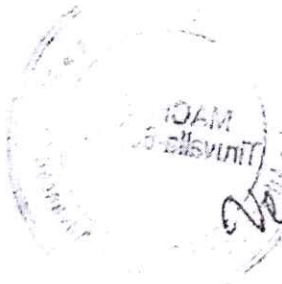
Sub

Thyais Anil

Anthony

Vidhyalakshmi V

Vidya


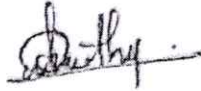





Verified by
Cripthi

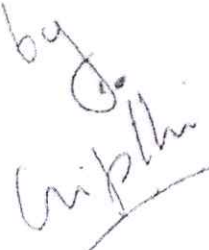


Republican Vocational Higher
Secondary School, Kanner

Date of conduct . 13/02/2017.

| | | |
|-------------------|-----------------|--|
| Name of volunteer | Dilha Ps |  |
| | Aswathy Ramesh |  |
| | Sini mol Philip |  |
| | Noyal shaji |  |
| | Aswin |  |



Verified by


Govt. HS School, Konni

Date of Conduct : 13/02/2017

Name of volunteers

Soumya Abraham

Soumya

Anuja A Nair

Anuja

Suidosa K Udayakumar

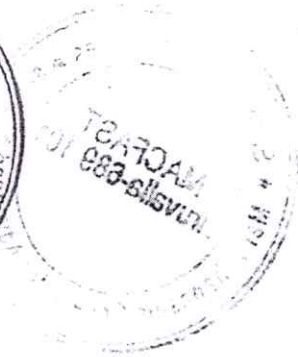
Suidosa

Aichana Kishor Kumar

Aichana

Simai Thomas

Simai



Verified by
Ciplin

CMS LP School, Theppani

Date of Conduct : 28/08/2014

Name of Volunteers

Asha LP

Ashaf

Teena Daniel

Tessa

Santhya MS

Santhya

Soumya Zacharia

Soumya

Sini mol Johny

Sini Mol

Sini Seikkai

Sini



Verified by
Cripin



Thirumostalam High School
Thirumoola, Tiruvalla.

Date of conduct : 25/03/2017

Name of volunteers

Soumya abraham Soumya

thyois shil Shil

Noyal shaji Noyal

vidya lekshmi V Vidya

Aiswarya vasanth Aiswarya



Verified by
Cripther



F. J. J. J.

PRINCIPAL
MAR ATHANASIOS COLLEGE
FOR ADVANCED STUDIES
TIRUVALLA