

ACTIVITY REPORT FOR 2020 - 2021

- 1) **Inauguration of Bhoomitrasena Club of Marian Engineering College was held on 30th October 2020 by Dr. Samson, Director of Academics.** Around 100 participants including students, faculty and team from management have participated.
- 2) **The Bhoomitrasena Club of Marian Engineering College organized a technical talk on “Urban Forest Management and Restoration using Geospatial Technologies” on 30th October 2020.** The session was handled by **Dr. Vinod T R, Program Director of Centre for Environment and Development(CED).** Dr. Vinod T R. had explained how urban forest management and geospatial technologies are interrelated. **The online session was held through Google Meet and attended by around 70 participants.** All participants were provided with e-certificates.

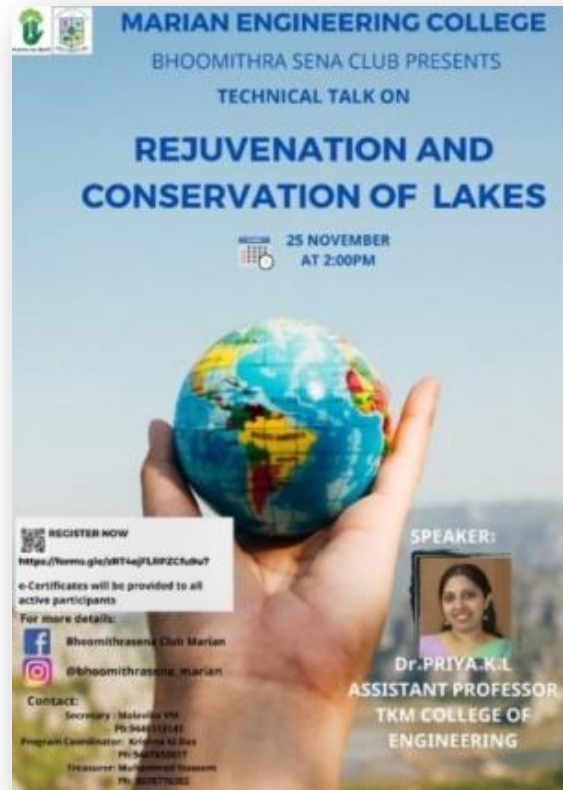


Inauguration of Bhoomitrasena Club and technical talk on “Urban Forest Management and Restoration using Geospatial Technologies”

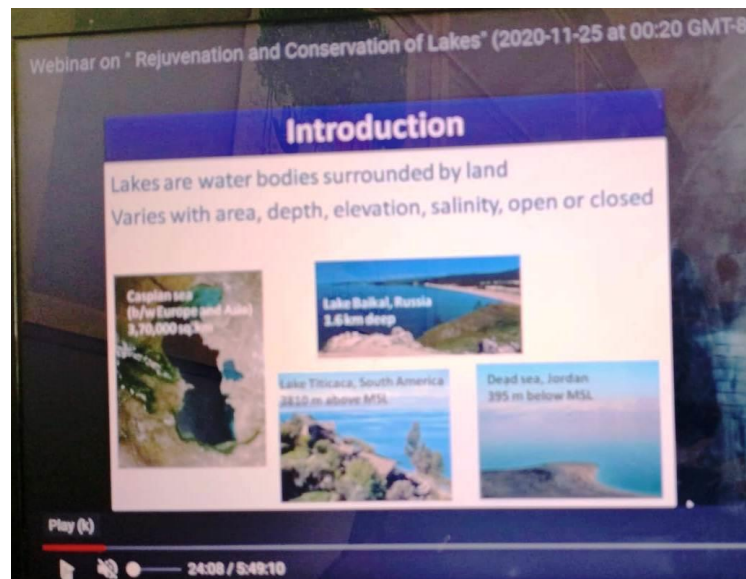


Screenshot of google meet of the technical talk on “Urban Forest Management and Restoration using Geospatial Technologies”

- 3) The Bhoomitrasena Club of Marian Engineering College organized a technical talk on “Rejuvenation and Conservation of Lakes” on **25th November 2020**. The session was handled by Dr. Priya K.L, Assistant Professor, TKM College of Engineering. Dr. Priya K.L gave a clear picture about the rejuvenation of rivers. The online session was held through Google Meet and attended by around 77 participants. All participants were provided with e-certificates.



Poster for the Technical talk on “Rejuvenation and Conservation of Lakes”



Screenshot of google meet of the technical talk on “Rejuvenation and Conservation of Lakes”

- 4) **The Bhoomitrasena Club of Marian Engineering College participated in the first online meeting for “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River” on 17th December 2020** on Zoom platform to discuss about the selection of volunteers and subsequent completion of the project.
- 5) **The Bhoomitrasena Club of Marian Engineering College participated in the second online meeting for “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River”on 18th December 2020** on Zoom platform to discuss about the site visit to sampling stations.
- 6) **The Bhoomitrasena Club of Marian Engineering College participated in the third online meeting for “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River”on 22nd December 2020** on Google Meet to discuss about the completion of DPR with the help of draft reports collected from PCB, RITES and KIIDC.
- 7) **The Bhoomitrasena Club of Marian Engineering College in association with Kerala Irrigation Infrastructure Development Corporation LTD (KIIDC), College of Engineering, (Trivandrum), Government Engineering College (Barton Hill), Mohandas College of Engineering & Technology (Anad) and Mar Baselios College of Engineering & Technology (Nalanchira) have tied up to take the project “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River” with the aid of more than 200 student volunteers for sampling and water quality analysis. BMS Club of MEC had around 63 volunteers have registered for this project.**



Poster for recruiting volunteers on “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River”

- 8) The Bhoomithrasena Club of Marian Engineering College in association with KIIDC Ltd, CET (Trivandrum), GEC (Barton Hill), MCET (Anad) and MBCET (Nalanchira) organized a river walk on **9th January 2021** covering more than 10 sampling stations. We have visited sampling stations at karakulam, Pathamkallu, Vallicode, Kallambara, Pazhakutty, Panavoor, Aryanadu Bridge, Thozhuvancodu Bridge, Peroorkada, Njaramoodu, Marnthoorkadavu, and Thiruvallam. Each colleges were being assigned respective stretches of river and the same was reported in Mathrubhumi daily.





Team visiting sampling stations

പുഴ മലിനീകരണം തടയാൻ സർവ്വേ തുടങ്ങി

**നടപടി
ഹരിതദിബ്ബുണൽ
ഉത്തരവിനെത്തുടർന്ന്**

തിരുവൂർ -പൊന്നാനി പുഴയിലെ കുമ്പളങ്ങിപ്പുഴയിലെ മലിനീകരണം തടയാൻ ജലവിഭവ വകുപ്പും എൻജിനീയറിങ് കോളേജ് വിദ്യാർത്ഥികളും ചേർന്ന് പദ്ധതികൾ തയ്യാറാക്കുന്നു. ഇതിനു മുന്നോടിയായി പുഴതോരങ്ങൾ സന്ദർശിച്ച് മലിനീകരണപ്രശ്നങ്ങൾ തിരിച്ചറിയാൻ സർവ്വേ തുടങ്ങി.

പുഴ മലിനമാക്കിയതിനെതിരെ ഭരണീയ ഹരിത ദിബ്ബുണലിന്റെ വിധിയുടെ അടിസ്ഥാനത്തിൽ ജലവിഭവവകുപ്പ് അഡീഷണൽ ചീഫ് സെക്രട്ടറിയുടെ നിർദ്ദേശപ്രകാരമാണ് പരിശോധന തുടങ്ങിയത്. മലിനമാക്ക



തിരുവൂർ -പൊന്നാനി പുഴയിൽ എൻജിനീയറിങ് പലതരം സമീപം പരിശോധനയ്ക്കുവരികാകുന്നു

പ്പെട്ട 21 നദികളുടെ സംരക്ഷണത്തിന് നടപടിയെടുക്കണമെന്ന് ഭരണീയ ഹരിത ദിബ്ബുണൽ ആവശ്യപ്പെട്ടിരുന്നു. ജലവിഭവ വകുപ്പ് വിശദമായ പഠനവിപ്പാർട്ട് തയ്യാറാക്കുന്നതിന്റെ ഭാഗമായാ

ണ് പാലക്കാട് രാജധാനി എൻജിനീയറിങ് കോളേജ്, കൂറ്റിപ്പുറം കെ.എം.സി.ടി. കോളേജ് എന്നീ വിജ്ഞാലിബെ ബി.ടെക്ക് അവസര നവർഷത്തിലെ പത്തുവിദ്യാർത്ഥികൾ വിതവ്വ. നാല് അധ്യാപ

കരും ചേർന്ന് പരിശോധന തുടങ്ങിയത്.

തിരുവൂർ -പൊന്നാനി പുഴയുടെ തീരത്ത് നഗരസഭ, ചെറിയമുണ്ടം പ്രദേശങ്ങളടങ്ങിയ 14 കെ.വകുപ്പിലാണ് സംഘം വെള്ളിയാഴ്ച പരിശോധന നടത്തിയത്. ഇതിൽ പുഴ പൊന്നാനി തോട്, കാനാത്ത്, കാക്കവ് തുടങ്ങിയ സ്ഥലങ്ങളിൽ കൂടുതൽ മാലിന്യങ്ങൾ കെട്ടിക്കിടക്കുന്നതായി കണ്ടെത്തി.

ജലവിഭവ വകുപ്പ് അസി. എക്സിക്യൂട്ടീവ് എൻജിനീയർ വി.ടി. ഹർഷനാഥ്, അസി. എൻജിനീയർ ചഞ്ചൽ മേരി ഫീറ്റർ, രാജധാനി എൻജിനീയറിങ് കോളേജ് അസി. പ്രൊഫസർ അനൂരാഗം സുകുമാരൻ, കെ.എം.സി.ടി. കോളേജ് ലക്ചറർമാരായ കെ.വിജയ്, അസി. സഞ്ജയ് എന്നിവരാണ് പരിശോധനയ്ക്ക് നേതൃത്വം നൽകുന്നത്.

News on Mathrubhumi daily about river walk

- 9) The Bhoomitrasena Club of Marian Engineering College in collaboration with UST have sanctioned a CSR project “MIYA WAKI FOREST” on MEC, with a land of 20 cents on 15th January 2021.
- 10) The Bhoomithrasena club of Marian Engineering College participated in the virtual workshop “Tie up Between Engineering Colleges and Water Resource Department of Kerala” on 19th January 2021.

- 11) The Bhoomithrasena club of Marian Engineering College participated in the meeting for “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River” was conducted on **22ⁿ January 2021** on Zoom platform on which BMS Club of MEC have given the list of water quality tests which can be carried in our college.
- 12) The Bhoomithrasena club of Marian Engineering College participated in the virtual workshop “Tie up Between Engineering Colleges and Water Resource Department of Kerala” on **25th January 2021**. It was attended by 274 people including teachers, distinguished guests and students from other colleges. The workshop consisted of 3 different sessions namely Sampling protocols for water quality monitoring, Standard methods for the analysis of fecal coliforms and total coliforms in water samples and Standard operating procedures. The sessions were handled by Sri. Johar T S (Water quality specialist, Field studies circle, Thrissur), Dr. M G Gracious (Department of Civil Engineering, Viswajyothi College of Engineering, Vazhakkulam) and Dr Deepesh Valsan (Scientist C, Central Pollution Control Board, Bangalore).
- 13) The Bhoomithrasena club of Marian Engineering College participated in the virtual presence of 10th level talks on the topic “Tie up Between Engineering Colleges and Water Resource Department of Kerala” on **28th January 2021**. Almost 50 participants have attended the session in order to discuss the progress of the project “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River”.
- 14) The Bhoomithrasena club of Marian Engineering College consisting a team of 3 faculties and 3 students visited and collected samples from 6 sampling stations ie., Anadeswaram Balikkadavu, u/s and d/s of Aryanad bridge, u/s, d/s and source of Peppara dam on **4th February 2021**. This was conducted as a part of “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River” by Bhoomithrasena Club and samples were quality checked.



Students and faculties taking samples from stations

15) The Bhoomithrasena Club of MEC in association with UST, inaugurated the “MIYAWAKI FOREST” at MEC on **5th February 2021**. Inauguration was done by Rev. Father Wilfred E. Around 40 students and 15 members of UST have participated.

MARIAN ENGINEERING COLLEGE

PLANTING TREES FOR AFFORESTATION (A CSR INITIATIVE OF UST)

A JOIN VENTURE BY

BHOOMITHRASA SENA CLUB & UST

Date & Time : 05th February 2021, 9.30am
Venue : IEDC Hall (Inauguration)
Near Cafeteria (Planting)

Register here:
<https://forms.gle/xorQM6dPupjcLmxV8>

Certificates will be provided

Secretary : Malavika V M
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Program Coordinator : Krishna M Das
Ph: +91 9447450017
Treasurer : Muhammed Naseem
Ph: +91 8078776302

Staff Coordinator : Deepthi Dennison

Bhoomithrasena Club Marian
@bhoomithrasena_marian

Inauguration Program Schedule

Prayer	: 9.30 am
Welcome Address (9.30-9.35am)	: Dr. M. Manoj IEDC Nodal Officer
Address by Manager (9.35-9.45am)	: Very Rev. Msgr. Wilfred E
Address by UST Team (9.45-9.55am)	: Shilpa Menon Trivandrum Center Head, UST Sofi Janet UST CSR Ambassador
Address by Invis Multimedia Team (9.55- 10.15 am)	: Hari M R Chief Executive Officer, Invis Multimedia Pvt Ltd
Vote Of Thanks (10.15-10.20 am)	: Pooja Ajin Bhoomithrasena Club Member
Planting of Tree	: 10.30 am

Poster for the inaugural function of “MIYAWAKI FOREST”



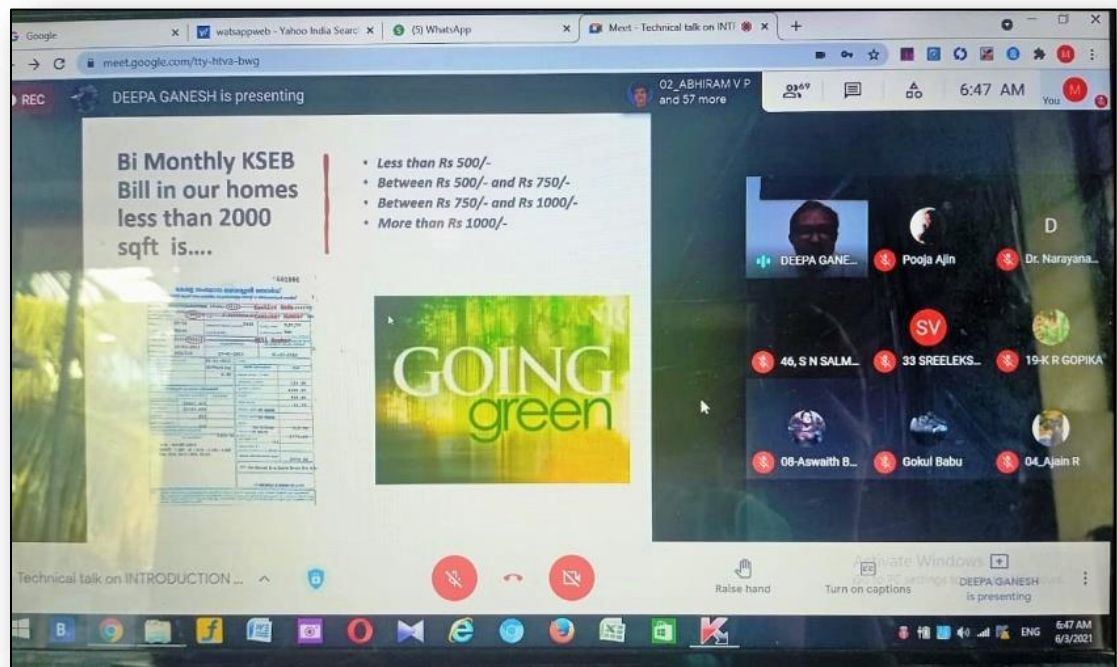
Planting trees by Rev Father Wilfred

- 16) The Bhoomithrasena Club of MEC completed water quality checks like acidity, alkalinity, chloride, DO and BOD on 11/2/21 as a part of “Water Quality Analysis in Pollution Abatement and Rejuvenation of Polluted River Stretches in Kerala Karamana River” and gave water samples at KWA for testing remaining water qualities on **9th February 2021**.

- 17) The Bhoomitrasena Club of Marian Engineering College organized a technical talk on “Introduction to Green Buildings for Young engineers” on **3rd June 2021**. The session was handled by Shri. Sreeganesh V Nair, Chief Consultant, GTCS, Kochi. It was a session which made us understand that modernization is not all about making buildings green. It was clear that how green buildings are dependant on various cultures and how we can utilize local materials, in green building construction and definitely gave an idea about the distinction provided by various certification schemes like USGBC, IGBC, EDGE, GRIHA, LEED,....It would have definitely benefitted our students in remolding their concept on green buildings. **The online session was held through Google Meet and attended by around 69 participants.** All participants were provided with e-certificates.



Poster for the Technical talk on “Introduction to Green Buildings for Young Engineers”



Screenshot of google meet of the technical talk on “Introduction to Green Buildings for Young Engineers”

18) The Bhoomithrasena Club of Marian Engineering College organized a motivational talk on “Eco Clubs : Green Crusaders of Environmental Stewardship” on **5th June 2021**. The session was handled by Rajesh Gopinath Nair, Associate Professor, BMS Institute of Technology & Management, Bangalore. It was a very energetic session explained very well the activities carried out in BMS campus in association with their eco club. The online session was held through Google Meet and attended by around 63 participants. All participants were provided with e-certificates.

INSTITUTE VISION

To be an institution offering quality technical education and promoting research with strong ethical values for public good

INSTITUTE MISSION

To mould the young men and women into technologically up to date , socially conscious and morally sound individuals by providing an inspiring environment of learning for the welfare of the society.

For More Details

Faculty Coordinators

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Student Coordinators

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Bhoomithrasena Club Marian

@bhoomithrasena_marian

MARIAN ENGINEERING COLLEGE

BHOOMITHRA SENA CLUB PRESENTS

MOTIVATIONAL TALK ON

ECO-CLUBS : THE GREEN

CRUSADERS OF ENVIRONMENTAL

STEWARDSHIP

ON 5TH JUNE 2021 , 4:00PM-5:00PM

SPEAKER

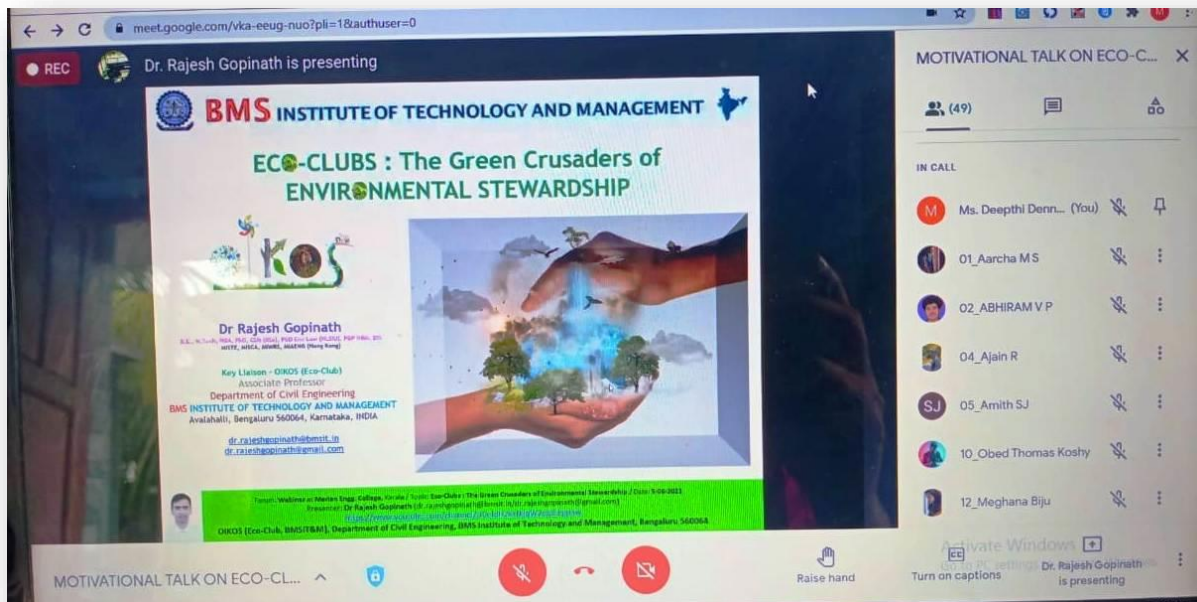
DR RAJESH GOPINATH NAIR
ASSOCIATE PROFESSOR
BMSITM BANGALORE

REGISTER NOW

<https://forms.gle/M2YPVvapFbhhy4tr6>

E-CERTIFICATES WILL BE PROVIDED FOR ALL ACTIVE PARTICIPANTS

Poster for the Technical talk on “Eco Clubs : Green Crusaders of Environmental Stewardship”



Screenshot of google meet of the technical talk on “Eco Clubs : Green Crusaders of Environmental Stewardship”

19) The Bhoomitrasena Club of Marian Engineering College organized a technical talk on “Carbon Footprint : Our Responsibilities” on **21st June 2021**. The session was handled by **Dr. Shmina Monoharan, Assistant Professor, BMS Institute of Technology & Management, Bangalore**. The speaker Dr. Shmina Monoharan was a gold medalist for BTech and GATE AIR 503 scholar currently pursuing her PhD in Indian Institute, of Science, Bangalore. She had explained very well the major sources of carbon footprint throughout the planet. The session ended up with the discussion of valuable practices that would mitigate the carbon footprint in the ecosystem. **The online session was held through Google Meet and attended by around 00 participants. All participants were provided with e-certificates.**



MARIAN ENGINEERING COLLEGE

BHOOMITHRA SENA CLUB PRESENTS



Speaker



Ms. Shimna Manoharan
Assistant Professor
(BMSITM)

DATE : 21-06-21
04.00-05.00pm

E-Certificate will be provided
for all active participants

 @bhoomithrasena_marian

TECHNICAL TALK ON
"CARBON FOOTPRINT
OUR RESPONSIBILITIES"







REGISTER USING
<https://tinyurl.com/carbonfootprint-our-resp>



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 Bhoomithrasena Club Marian

Ms. Deepthi Dennison Ph: 91 8848807762
Mr. Pramod Raj TP Ph: 91 9495344863

Poster for the Technical talk on “Carbon Footprint : Our Responsibilities”

REC
Shimna Manoharan is presenting

10 TIPS FOR REDUCING YOUR CARBON FOOTPRINT

1. Carpooling at least once a week.

2. Go one week without using disposable cups given to you at coffee shops.

3. Try turning off the lights in an empty room at home or in your dorm.

4. Instead of eating lunch on campus try packing a waste-free (meaning no plastic) lunch.

5. Unplug your computer every night for one month if you have a computer.

6. Use only cold water to do your laundry for one month.

7. Try skipping a trip to the store and shop online.

8. Try reducing your printing a little bit each day and only print what is absolutely necessary.

9. Cut your shower time by two minutes for one month.

10. Reduce your bottled water consumption for seven days.



4:37 PM | TECHNICAL TALK ON "CARBON FOOTPRINT ...

Activate Windows
Go to PC settings to activate Windows.

Screenshot of google meet of the technical talk on “Carbon Footprint : Our Responsibilities”

20) The Bhoomithrasena Club of Marian Engineering College organized a technical talk on “Plastic Waste Management – An Integrated Approach” on **26th June 2021**. The session was handled by Er. Ramya A G, Kerala State Pollution Control Board. The speaker Er. Remya G has explained very well how the plastics create pollution in various fields and its subsequent adverse effects on human health and environment. **The online session was held through Google Meet and attended by around 60 participants.** All participants were provided with e-certificates.

 <p>INSTITUTE VISION</p> <p>To be an institution offering quality technical education and promoting research with strong ethical values for public good</p>	<p>MARIAN ENGINEERING COLLEGE BHOMITHRA SENA CLUB PRESENTS</p> <p>TECHNICAL TALK ON “Plastic Waste Management An Integrated Approach”</p> <p>Speaker</p>  <p>Ms. Ramya A G, Kerala State Pollution Control Board</p> <p>E-Certificate will be provided for all active participants</p>	 <p>REGISTER USING</p> <p>https://tinyurl.com/plastic-management</p> 
 <p>INSTITUTE MISSION</p> <p>To mould the young men and women into technologically upto date, socially conscious and morally sound individuals by providing an inspiring environment of learning for the welfare of the society</p>		 <p>DATE 24-06-21 04.00-05.00 PM</p>
<p>Secretary: Malavika V M Ph: +91 9446113141 Treasurer: Muhammed Naseem Ph: +91 8078776302 Program Coordinator: Krishna M Das Ph: +91 9447450017</p>	<p>@bhoomithrasena_marian Bhoomithrasena Club Marian</p>	<p>Ms. Deepthi Dennison Ph: 91 8848807762 Mr. Pramod Raj TP Ph: 91 9495344863</p>

Poster on “Plastic Waste Management – An Integrated Approach”



Screen shot google meet of the programme “Plastic Waste Management – An Integrated Approach”