



Introducing "Thirayilakkam": A Journey Towards Knowledge and Responsibility

St. Michael's College, renowned as the educational hub of the Alleppey Diocese, embarked on a noble venture: the "Thirayilakkam 2023" - Science, Literature, Arts, Culture, and Agricultural Fest, held from October 20-24, 2023. Beyond conventional academics, the college ardently embraced its commitment to societal betterment. The primary objective of the program was to disseminate knowledge within the local community, fostering awareness about the pivotal roles of Energy, Health, Agriculture, and AI in shaping our future. We firmly believed in the obligation of higher education institutions to share such enlightenment, nurturing a conscientious future generation. The program was a collaborative effort involving Cherthala Municipality, Cherthala South Panchayat, Thannermukkam Grama Panchayat, and Kanjikuzhy Grama Panchayat, with active participation from approximately 15 schools, polytechnics, and nearby colleges.

The current life style and the reckless human ways together spread the shroud of hopelessness ...The dirge for the dying planet reverberates on all spheres... Atmospheric pollution and the irreplaceable depletion of natural resources seems to be a grave issue that needs to be addressed and catered to with great urgency. Sustainable development unfurls itself to be the most desired goal as our planet is burdened by the weight of pollution and environmental degradation. Crises pertaining to the so called 'Anthropocene' phase and disastrous consequences of climate change triggers and gears up the need to sensitize the public, especially the young minds towards imagining a verdant and viable environment.

Sensing this need of the hour and feeling it to be a noble responsibility, St. Michael's College conceived a visionary project 'Thirayilakkam 2023' to welcome the public towards the campus or rather, presenting the campus to the public, targeting the formation of an enlightened community that is aware of the plight that we are in and be equipped enough to unleash a different yet decisive version of the 'Green Revolution' with waves of change erupting all the way from the coastal belt of Cherthala. Our campaign is that of spreading knowledge and proactive attitude towards a green and harmonious environment all while embracing adaptability in the face of deleterious climatic changes.

Imparting awareness becomes paramount in this era overshadowed by concerns of climate change and escalating carbon levels, as underscored by India's pledge towards carbon neutrality by 2070. Aligning with Kerala's aspiration to achieve Carbon Neutrality by 2050, "Thirayilakkam" sought to instill an ethos of responsibility, particularly within vulnerable coastal regions like Alappuzha and Cherthala.

Our program themes, including "Road to Carbon Neutrality - Coastal Kerala: Problems and Prospects," reflected our dedication to addressing pressing issues. Through educational sessions and open forums in the topics Carbon Neutrality, Biodiversity, Health, Artificial Intelligence, and Cybersecurity., we aimed to engage students from diverse educational institutions and foster collaborative solutions. As part of the initiative, a science exhibition showcasing student contributions and efforts to raise awareness on plastic usage and disposal highlighted the multifaceted approach of "Thirayilakkam."

We expected and received enthusiastic engagement from local communities, schools and organizations, representatives from local bodies, self-help groups (Kudumbashree), healthcare professionals (Asha workers), the health sector, small-scale industries, and the agricultural community leading to a joint effort for learning, responsibility, and sustainable development.

This special issue of the IQAC newsletter captures the essence of the Thirayilakkam program, offering insights into its progression over the five-day period, from its inception to its conclusion.

Dr. Manoj Parameswaran
IQAC Coordinator

തിരയിളക്കം 2023

ശാസ്ത്ര-സാംസ്കാരിക-കാർഷിക-പരിസ്ഥിതി മഹോത്സവം
 2023 ഒക്ടോബർ, 20-24
 കലാലയം ജനഹൃദയങ്ങളിലേക്ക് = ജനങ്ങൾ കലാലയത്തിലേക്ക്

In light of India's commitment to achieving Carbon Neutrality by 2070 as outlined in its Climate Change Action Plan, it was deemed important to raise awareness among the student community about the climate crisis. The goal is to encourage students to adopt a more sustainable lifestyle, contributing to a reduction in carbon emissions in line with India's commitments at the UNFCCC since 2015. Meanwhile, Kerala, which is rapidly transitioning into a 'knowledge society,' has set its target year for Carbon Neutrality as 2050.

The Alappuzha district and Cherthala region have enduring challenges associated with their susceptible coastal areas. Achieving carbon neutrality or net-zero objectives can only be realized through conscious 'lifestyle adjustments' embraced by both the government and the public, particularly in addressing these sectors with a 'Net Zero' perspective. With this aim St. Michael's College, Cherthala organised the programme named "Thirayilakkam" in association with the local body panchayat in and around Cherthala. We opt for the following themes for our Thirayilakkam programme.

- Road to Carbon Neutrality - Coastal Kerala: Problems and Prospects
- Energy and Biodiversity
- Health, Artificial Intelligence and Cyber Security
- Art, Literature and Culture

In this program, educational sessions were provided to school and college students covering a range of subjects, including Carbon Neutrality, Biodiversity, Health, Artificial Intelligence, and Cybersecurity. These topics will also be the focus of discussions in open forums. Active involvement was there from the local community, including ആരോഗ്യപ്രവത്തകർ, പാലിയേറ്റീവ് പ്രവത്തകർ, ആശാവർക്കേഴ്സ്, കുടുംബശ്രീ, വീട്ടമ്മമാർചെറുകിടവൻ കിടകർഷകർ, ക്ഷീരകർഷകർ, ത്രിതലപഞ്ചായത്തുതല കർഷകശ്രീ ജേതാക്കൾ, യുവകർഷക സംരംഭകർ, പരിസ്ഥിതി പ്രവത്തകർ പ്രകൃതിസ്നേഹികൾ, അക്ഷയ, പൊതുപ്രവത്തകർ.

The objective of this programme is to impart this knowledge to the local community, thereby raising awareness about the significance of Energy, Health, Agriculture, and AI in the world of tomorrow. We firmly believe that higher education institutions have a duty to share this knowledge with society, as it will contribute to the development of a responsible future generation. Major Highlights of the Programme includes,

- ശാസ്ത്രകൗതുകം, ശാസ്ത്രപ്രദർശനം
- വാനനിരീക്ഷണം
- പരിസ്ഥിതിഅവബോധം
- കാർഷികഅവബോധം, കാർഷികവിപണനമേള
- കൈത്തറിവിപണനമേള
- മത്സ്യമേഖലയിലെസംരംഭകർ
- ചെറുകിടസംരംഭകർ, വ്യവസായസംരംഭകർ
- സ്ത്രീസുരക്ഷാമാർഗ്ഗങ്ങൾ
- പ്ലാസ്റ്റിക്നിർമ്മാർജ്ജനം
- പൊതുചർച്ചകൾ, പ്രഭാഷണങ്ങൾ, കലാസന്ധ്യകൾ



Proclamation Rally

The Proclamation Rally for 'Thirayilakkom 2023' Science-Literature-Cultural-Agricultural-Mega Event envisioned and hosted by St. Michael's College was flagged off by Fr. Yesudas Kattungathayil, from St. Francis Assisi Higher Secondary School, Arthunkal on 18th October at 10.30 am. The rally covered six village panchayats in close proximity and the announcement was made with the accompaniment of the Thirayilakkom theme song which was released on the same day. The NSS volunteers won hearts through their proclamatory flash mob performed at all destinations. As the rally arrived at the Michael's campus, the principal Prof. (Dr.) Sindhu S. Nair lit the lamp and inaugurated the Mega Thiruvathira performed by around 100 ladies.





M Mathrubhumi മാതൃഭൂമി

സെയ്ന്റ് മൈക്കിൾസ് കോളേജിൽ ശാസ്ത്ര-സാംസ്കാരിക, കാർഷിക ഉത്സവം

ഉദ്ഘാടനസമ്മേളനം

22/10/2023 CHERTHALA Pg 02

ചേർത്തല സെയ്ന്റ് മൈക്കിൾസ് കോളേജിൽ നടക്കുന്ന ശാസ്ത്ര-സാംസ്കാരിക, കാർഷിക ഉത്സവം ആലുപ്പുഴ മുതൽ എ.ഡി.എസ്. നാലാമത്ത് വരെയുള്ള ഉദ്ഘാടനം ചെയ്യുന്നു.

ചേർത്തല കലാലയം ജനങ്ങളുമായും നാട് കലാലയവുമായും ഇടപെടുന്ന സന്ദേശവുമായി സെയ്ന്റ് മൈക്കിൾസ് കോളേജിൽ ശാസ്ത്ര, സാഹിത്യ, ആരോഗ്യ, സാംസ്കാരിക, കാർഷിക ഉത്സവം തിരയിളക്കം തുടങ്ങി. കോളേജും പ്രദേശത്തെ തദ്ദേശസ്വയംഭരണസ്ഥാപനങ്ങളും സഹകരിച്ചാണ് 24 വരെ മേളയൊരുക്കിയിരിക്കുന്നത്. ആലുപ്പുഴ രൂപത മെത്രാൻ ഡോ. ജെയിംസ് നാഥൻ ആന

പാമ്പിൽ ഉദ്ഘാടനം ചെയ്യുന്നതിന് പ്രസാദ് അയ്യപ്പൻ നായർ, രൂപത ബോർഡ് ഓഫ് എഡ്യൂക്കേഷൻ ചെയർമാൻ ഡോ. നെൽ സൺ തൈപ്പറമ്പിൽ, എ.എം. ആരിഫ് എം.പി., ദലീമ എം.എൽ.എ., ചേർത്തല നഗരസഭാധ്യക്ഷ ഷേർളി ഭാർഗവൻ, ചേർത്തല തെക്ക് ഗ്രാമപഞ്ചായത്ത് പ്രസിഡന്റ് സിനിമോംസാസൺ, മാരാരിക്കാളം വടക്ക് ഗ്രാമപഞ്ചായത്ത് പ്രസിഡന്റ് കെ. സുരേശനാഥായി, എൻ.ജി.

ജി.എഫ്.എൻ. എം.ഡി. നരിപ്രദാകർ, കോളേജ് പ്രിൻസിപ്പൽ ഡോ. സിന്ധു എസ്. നായർ, വൈസ് പ്രിൻസിപ്പൽ ഡോ. ആന്റണി കുര്യാക്കോസ്, പി.ടി.എ. വൈസ് പ്രസിഡന്റ് പി.എ. ഹാരിസ് എന്നിവർ സംസാരിച്ചു. 24-വരെ വിവിധ വിഷയങ്ങളിൽ സെമിനാറുകളും ചർച്ചകളും വ്യാപാരമേളകളും കലാപരിപാടികളും ഒരുക്കിയട്ടുണ്ട്. രാവിലെ ഒൻപതുമുതൽ രാത്രി ഒൻപതു വരെയാണ് പ്രദർശനം.





GPS Map Camera
Cherthala, Kerala, India
M83P+7MP, 11th Mile, Mayithara, Cherthala, Cherthala South, Kerala
688539, India
Lat 9.653238°
Long 76.336547°
20/10/23 03:09 PM GMT +05:30

Day 2: 21 October 2023

The second day of Thirayilakkam 2023 opened its gates to an enlightening academic journey, initiated by Dr. C Jayaraman, the erudite Head of Energy Audit Division at Team Sustain Limited, Kochi, who delved into the intricate subject of Carbon Neutrality. The interactive nature of the session drew forth the applause and engagement of the attentive audience, fostering a vibrant atmosphere of knowledge exchange. He shed light on areas like impact of Energy consumption on increase in atmospheric temperature and global warming.

Following this intellectually stimulating session, the day continued its intellectual odyssey with a panel discussion which began with a presentation of the short documentary on climate change. The discussion was graced by the distinguished presence of Dr. M. A . Narayanan, an esteemed practitioner in the realm of Energy Policies and Projects, Dr. Manoj Parameswaran and representatives from student community.

The afternoon session, dedicated to the delicate topic of biodiversity, was presided over by the scholarly guidance of Dr. Sabu T, the esteemed CED Program Director. He emphasized on the importance of conservation of biodiversity for a better future. The subsequent panel discussion featured prominent members: Smt. Suja Eapen, Deputy Director of Agriculture, Smt. Reshma Sumesh, Sri. Sujith S. P., Dr. Teny David and representatives from students all lending their expertise to the enriching discourse.





പഠനവും ചർച്ചയുമായി തിരയിളക്കം

ചേർന്നു

തിരയിളക്കം കോളേജ് വിദ്യാർത്ഥികൾ കോളേജിലെ സമാഹരണങ്ങളിലും എൻ്റെർപ്രൈസ്മെന്റുകളിലും പങ്കെടുക്കാനുള്ള അവസരം സൃഷ്ടിക്കുന്നതിനും ഉപകാരപ്പെടുന്നതിനും ഉദ്ദേശിച്ചാണ് ഈ പരിപാടി സംഘടിപ്പിച്ചത്. അതിൽ പങ്കെടുക്കുന്നവർക്ക് പലതരം വിശേഷ ക്യാമ്പുകളിലും കോഴ്സുകളിലും പങ്കെടുക്കാനുള്ള അവസരം സൃഷ്ടിക്കുന്നതിനും ഉദ്ദേശിച്ചാണ് ഈ പരിപാടി സംഘടിപ്പിച്ചത്.

ചേർന്നു കോളേജ് വിദ്യാർത്ഥികൾ കോളേജിലെ സമാഹരണങ്ങളിലും എൻ്റെർപ്രൈസ്മെന്റുകളിലും പങ്കെടുക്കാനുള്ള അവസരം സൃഷ്ടിക്കുന്നതിനും ഉപകാരപ്പെടുന്നതിനും ഉദ്ദേശിച്ചാണ് ഈ പരിപാടി സംഘടിപ്പിച്ചത്.



Day 3: 22 October 2023

The third day of Thirayilakkam 2023 focused on health, art and literature. The health focused session started at 10.30 a.m. In the health-focused session, Dr. Padmakumar B, a specialist from the Department of General Medicine at General Medical College, Alappuzha, delivered an insightful speech. Dr. Padmakumar's comprehensive speech covered various critical aspects of healthcare. He provided insights into the challenges and opportunities in the healthcare sector, emphasizing the importance of preventive healthcare. The discussion panel, featuring Dr. K B. Shahul, Dr. M. Jayaraj, Dr. Krishna Priya, and Dr. Chandrasobha, addressed key health topics, including the causes and treatments of dust allergies across diverse medical fields such as Ayurveda, Allopathy, and Homeopathy, promoting a holistic healthcare approach. The session also shed light on Sidha Ayurveda's distinctive role in healthcare practices, underlining the importance of personal hygiene in allergy prevention. Additionally, the discussion highlighted the vital backup support provided by the Homeopathy sector in healthcare. The session effectively engaged a varied audience, including school and college students, health workers, palliative care workers, Asha workers, and Kudumbashree members, fostering a comprehensive understanding of health and wellness.

The afternoon session of the event centered on the vibrant world of art and literature. The forum discussion featured prominent figures in the field, including Shri. Kavalam Balachandran, Shri. P.J. Antony, Shri. Vishwanath P, Shri. Vayalar Gopalakrishnan, and Shri. K.A Sebastian. The panel discussion, featuring the distinguished Shri. Kavalam Balachandran, eloquently illuminated the profound significance of art and literature in human existence and their symbiotic relationship with the ecosystem. His insights underscored how these creative forms are the bedrock of culture, nurturing human imagination, promoting environmental awareness, and celebrating cultural diversity. Their role in connecting people to the environment and inspiring responsible actions was particularly emphasized, highlighting the vital and timeless impact of art and literature on our lives and the world we inhabit. P.J Antony's perspective on literature, that it shows us who we are, reflects a deep understanding of the role of literature in human society. Literature often serves as a mirror that reflects the complexities of human existence, revealing our values, beliefs, aspirations, and the shared human experience. The distinguished individuals engaged in a thought-provoking conversation about the role of art and literature in society. This session provided valuable insights and a platform for the artistic and literary community to come together, promoting the appreciation of creativity and storytelling.





ആരോഗ്യസെമിനാർ സംഘടിപ്പിച്ചു

ചേർത്തലം സെന്റ് മൈക്കിൾസ് കോളജിൽ നടക്കുന്ന ശാസ്ത്ര-സാഹിത്യ-സാംസ്കാരിക-കാർഷിക ഉത്സവം തിരയിലക്കത്തിന്റെ ഭാഗമായി നടന്ന ആരോഗ്യസെമിനാർ ഡോ. ബി.പത്മകുമാർ ഉദ്ഘാടനം ചെയ്തു. തുടർന്നു നടന്ന ചർച്ചയിൽ ഡോ. കെ.ബി.ഷാഹുൽ, ഡോ. എം.ജയരാജ്, ഡോ. കൃഷ്ണപ്രിയ, ഡോ. ചന്ദ്രശോഭ എന്നിവർ പങ്കെടുത്തു. കലാ സാഹിത്യചർച്ചയിൽ പി.ജെ.ആന്റണി, കാവാലം ബാലചന്ദ്രൻ, പി.വി ശ്യാമ, വയലാർ ഗോപാലകൃഷ്ണൻ, കെ.എ.സെബാസ്റ്റ്യൻ എന്നിവർ പങ്കെടുത്തു.



Day 4: 23 October 2023

On the fourth day of **Thirayilakkam**, the focus was on Artificial Intelligence, Cyber Security, and Energy Conservation. The academic session on Artificial Intelligence (AI), led by Prof. (Dr.) Achuth Shanker S. Nair, Head of the Department of Computation Biology at the University of Kerala, offered a comprehensive overview of the latest advancements and applications of AI across various fields. The session aimed to impart a deeper understanding of this rapidly evolving field, starting with the fundamental concepts of AI, such as machine learning, neural networks, and deep learning. Dr. Nair skillfully simplified complex ideas, making them accessible to the audience.

A panel discussion featuring Prof. (Dr.) Achuth Shankar Nair and Dr. Mini Ullanad (Former Chair IEEE Kerala Section Global Committee Member-Women in Engineering) delved into issues concerning cyber security and AI. The session concluded with a stimulating discussion on the future prospects of AI, shedding light on the potential

opportunities and challenges in the era of AI-driven innovation. Dr. Nair encouraged the audience to embrace continuous learning and adaptability to stay up-to-date in the dynamic AI landscape. He also recommended the organization of regular workshops and seminars on AI to deepen understanding and suggested the establishment of an AI research hub within the college to promote cutting-edge AI research projects. Collaborating with industry leaders and AI experts was advised to facilitate hands-on training and internships for students, providing them with practical experience in the field.

The afternoon session centered on an interaction with Dr. Shashi Tharoor, a Member of Parliament. St. Michael's College, Cherthala, had the privilege of hosting this interactive session featuring the renowned politician and scholar. The discussion covered a range of topics, including Artificial Intelligence (AI), Cyber Security and Energy Conservation. Dr. Tharoor's presence and expertise in these areas offered valuable insights and perspectives to the students and faculty in attendance. Approximately 300 students from various colleges and schools in the Alleppy district participated in the session.

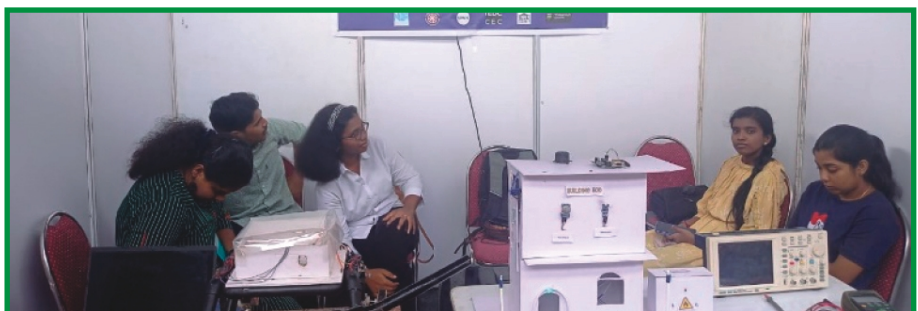
In conclusion, the interactive session led by Shashi Tharoor at St. Michael's College, Cherthala, was an enlightening and thought-provoking event. Dr. Tharoor's expertise and eloquence made a lasting impact on the audience, inspiring them to contemplate the significance of these critical topics in shaping a sustainable and progressive future for India. The day concluded with a captivating performance by Sri Pradeep Marari and the Shivtharag Arts Academy.





Day 5: 24 October 2023

The fifth day of **Thirayilakkam** unveiled with the Vidhyarambham ceremony at college for the registered candidates. The principal of St Michael's College, Cherthala Prof. (Dr.) Sindhu S. Nair initiated the young learners into the world of knowledge guiding their delicate hands to inscribe upon the sacred surface of rice.





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