

MUST-ROOMS

2K22-23



**NEHRU COLLEGE OF
ENGINEERING AND RESEARCH CENTRE**

ACCREDITED BY NAAC

PAMBADI, THIRUVILWAMALA, THRISSUR DISTRICT, KERALA-680 588





TOGETHER WE CREATE
YOUR FUTURE!



“The end production of education should be free creative man who can battle against historical circumstances and adversities of nature.”

- Dr. Sarvepalli Radhakrishnan



“Learn from
the **Pioneers**”



"Education is not just about filling the mind with knowledge, but also about igniting the passion within to seek the limitless possibilities of the world"



“Ninety nine percent of the failures come from people
who have the habit of making excuses”



..... *Our Founder Chairman*

Late. Shri. P. K. Das

സമർപ്പണം

നശ്വരമായ

ഈ മായിക പ്രപഞ്ചത്തിൽ

നാം കാലചക്രത്തിന്റെ തേരൊലിക്കൊപ്പം

അനസ്തുതം യാത്ര ചെയ്യുകയാണ്. പ്രപഞ്ച

രഹസ്യത്തിന് കാതോർക്കുന്ന മനുഷ്യർക്ക് വേണ്ടി,

മതാന്ധതയുടെ കരാള ഹസ്തങ്ങൾക്കെതിരെ തുലിക പടവാളാ-

ക്കിയവർക്ക് വേണ്ടി, അന്ധവിശ്വാസങ്ങളുടെ നീരളിപ്പിടിത്തത്തിൽ

ഞെരിഞ്ഞമർന്നവർക്ക് വേണ്ടി, മകളായ്, മരുമകളായ്, ഭാര്യയായ്, അമ്മയായ്

മാറേണ്ടവളെ കാൽക്കീഴിൽ ചവിട്ടിയരച്ച നരാധമൻമാർക്ക് തിരിച്ചറിവിന്റെ

പടവാളായ്, ദുരന്തങ്ങളിൽ കൈക്കോർത്ത് നിന്ന് പ്രത്യാശയുടെ ശാന്തി തീരങ്ങളിലേക്ക്

കൈപിടിച്ചുയർത്തിവർക്കായ്, മഹാമാരികളിൽ തളരാതെ താങ്ങായി മാറിയവർക്ക് വേണ്ടി,

നാമുറങ്ങുമ്പോൾ കണ്ണിമയ്ക്കാതെ രാഷ്ട്രത്തിന് വേണ്ടി കാവൽ നിൽക്കും ധീരജവാന്മാർ-

ക്കായ്, നീതിക്കും, സത്യത്തിനും, ധർമ്മത്തിനും, ന്യായത്തിനും വേണ്ടി നിശബ്ദമായ് പടപൊ-

രുതുന്നവർക്ക് വേണ്ടി, സ്നേഹത്തിന് മഴവില്ലിൽ കുതിർത്ത നിറം കൊടുത്തവർക്ക് വേണ്ടി...

വെയിലുവറ്റിച്ചും മഴയെ അളന്നുമുറിച്ചും വിത്തുകളെ പോറ്റി വളർത്തുന്ന മണ്ണിരകൾക്ക്

വേണ്ടി... അന്നത്തിനായ് കൈ നീട്ടിയപ്പോൾ തല്ലിക്കെടുത്തിയവർക്കുള്ള മറുപടിയായ്,

പറക്കമുറ്റാത്ത പക്ഷികൾക്കും പാതിരാവിന്റെ പകൽ വെളിച്ചങ്ങൾക്കും വേണ്ടി...

വിശപ്പറിയുന്നതിനും മുൻപേ

ഭൂമി ഒന്നടങ്കം വിഴുങ്ങിയ

ജീവനുകൾക്ക് വേണ്ടി...

എല്ലാം നഷ്ടപ്പെട്ടു

എന്നോർക്കുമ്പോഴും

അങ്ങകലെ

പ്രത്യാശയുടെ

പച്ചത്തുരുത്തുകൾ

നമ്മുക്കായ്

കാത്തിരുപ്പുണ്ടെന്ന

ശുഭാപ്തി

വിശ്വാസത്തോടെ

മണ്ണിൽ വേരുന്നി

നിൽക്കുന്ന

ഓരോ സ്പന്ദനങ്ങൾക്കും

വേണ്ടി സമർപ്പിക്കുന്നു...

VISION & MISSION



Vision: To mould true citizens who are millennium leaders and catalysts of change through excellence in education.

Mission: NCERC is committed to transform itself into a center of excellence in Learning and Research in Engineering and Frontier Technology and to impart quality education to mould technically competent citizens with moral integrity, social commitment and ethical values. We intend to facilitate our students to assimilate the latest technological know-how and to imbibe discipline, culture and spiritually, and to mould them in to technological giants, dedicated research scientists and intellectual leaders of the country who can spread the beams of light and happiness among the poor and the underprivileged.



GOVERNMENT OF KERALA

Pinarayi Vijayan
CHIEF MINISTER

No. 877/Press/CMO/22

6th December, 2022.

MESSAGE

I am happy to note that the Nehru College of Engineering and Research Centre is planning to publish a souvenir as part of the 20th Anniversary Celebrations of the institution. It is also quite appropriate that you have decided to make the slogan 'Say No to Drugs and Yes to Life' as an important part of the anniversary celebrations.

I express my sincere wishes for the Anniversary Celebrations and to the souvenir which is being brought out to mark this occasion.

Pinarayi Vijayan

The Chairman
NCE
E-mail : office@ncerc.ac.in

ANTONY RAJU
MINISTER FOR TRANSPORT
GOVERNMENT OF KERALA



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07.12.2022



Message

I am happy to know that Nehru College of Engineering and Research Centre is bringing out a Memorial in connection with the 20th anniversary of the institution. Nehru Group of Institutions has a glorious tradition in the higher education field of Kerala. The noble ideas of the founders of this institution has pushed forward the higher education scenario not only in local areas but all over Kerala. The tremendous achievement in the field of education by this group has helped several generations, seeking quality education. The present leaders of the institution are also in the forefront as the torch bearers of the career development of the youth of Kerala and surrounding states. I render my best wishes on the occasion of this 20th year of the institution. Let this institution grow high so as to serve coming generations.


Antony Raju

MESSAGE

I have been keenly observing the excellent array of academic and non-academic activities going around in Nehru College of Engineering & Research Centre. I feel delighted to see that the College Magazine culture has been kept alive and revived brightly as a new version-**Mushrooms 2K22**.



I am happy to see that the literary works and technical insights of people associated with NCERC and NGI especially the students are taking wings through this effective platform. It is equally important that this should be able to convey the ethos and voice of the campus. The college magazine is an effective platform for budding writers to practice writing and also feel good to see their compositions printed. The college magazine is also considered as a mirror of the college and hence portrays the general feel and mood of the campus. I take this wonderful opportunity in appreciating the Magazine committee, Magazine editor and the entire team who have put their pen and paper into this excellent initiative. When we continue with such good practices we are reassuring our motto of "Moulding True Citizens"

Adv Dr. P. Krishnadas
Chairman & Managing Trustee



It is my proud privilege to be a part of the large group of pioneering educational institutions popularly known as the 'Nehru Group of Institutions' owing its origin to the southernmost part of peninsular India. To its credit, Nehru College of Engineering and Research Center (NCERC) as pioneering Engineering Institution serves the student community and society at large through its yeomen service by producing volume of engineers in various streams. The various activities and initiatives taken by NCERC in the form of Academic and extracurricular activities strengthens the students and adds feather after feather to NGI's cap.

Apart from educational activities NCERC plays a vital role in the development of local community and produces more and more intellectuals in and around Kerala. This magazine "**MUSHROOMS**" brings out all of those achievements and the imbibed talents of NCERC students. The collective efforts of the various committees of the magazine in depicted in the form of "**MUSHROOMS**". I pray and wish all success and prosperity for MUSHROOM. It is my pleasure to thank and appreciate the efforts of all the contributors towards the successful release of the magazine.

Dr. P. Krishnakumar MBA, Ph.D
CEO & Secretary



MESSAGE

Aspirant of professional education should have an all round knowledge. Their knowledge base should not be specific to a narrow band of specialization. Professionally shall be equipped with skill sets that will help to express the knowledge they acquire

The demand pattern for professional skill sets in the job market is not static but is highly dynamic in nature. Many time they need analytical skills to substantiate the worth of their products and processes. They must have the power of expression to present a clear picture of what they wanted to project about their products and process before their customers. The students should equip themselves with the skills of imagination and conceptualisation, that will help them in projecting their capabilities, should explore different mechanisms that will upgrade their thinking processes and their ability to organize based on scientific principles and augment their proficiency in expressing their views in logical sequence. All such abilities and skills sets are needed for bringing up a magazine of good quality. The efforts aimed at compiling a magazine can act as an exercise for acquiring such skill sets and the magazine can actually act as an exposition platform or a stage for showcasing the capabilities of students. From this point of view, the efforts of the students of NCERC to publish the magazine **Mushrooms 2k22-23** are highly price worthy and laudable and I wish them all success in their endeavour.

Prof. Dr. Karibasappa Kwadiki
Principal



MESSAGE

I am elated at the publication of the college magazine 'Mushrooms' for the academic year 2022-23. A college magazine reflects the consolidated efforts of the teachers and the students to contribute articles to the magazine in a creative manner. Our college magazine 'Mushrooms' is exclusively meant for the latest writing talents and budding poets with immense talents and potentials. As you go through the pages it will enlighten you with various important milestones that our college has achieved during this academic year. Besides that you will also find how our budding talents have expressed their thoughts, ideas, feelings, aspirations and convictions in a creative way. This magazine should be a good source of inspiration and guidance for the faculty and the coming batch of students in choosing activities of their choice in their future for building up their career. I wholeheartedly congratulate all the contributors and the editorial board for this enlightening work.

Dr. Ambikadevi Amma T

B.Sc., B.Sc (Engg.), M.Tech, Ph.D, FIE, MISTE.

Dean, Student Affairs



MESSAGE

മാറ്റങ്ങളെ പുൽകാൻ വെമ്പുന്ന മനുഷ്യമനസ്സുകളുടെ ജ്വലനങ്ങളെ അന്വേഷിക്കാവുന്ന സൃഷ്ടികൾ മാത്രമേ കാലാതിവർത്തിയായി നിലകൊള്ളുകയുള്ളൂ... തന്റെ ചിന്താ വൈവിധ്യങ്ങൾക്ക് ഭാഷ്യം ചമയ്ക്കാനായി അവൻ പല-പ്പോഴും കലാസാഹിത്യ പ്രക്രിയകളെ അന്തർത്തിയാക്കി...

സാങ്കേതികതയുടെ അതിപ്രസരങ്ങൾക്കിടയിലും ഞങ്ങളുടെ സാഹിത്യത്തിന്റെയും സാമൂഹ്യബോധത്തിന്റെയും അടിവേരുകൾക്കു ക്ഷീണമില്ലെന്നു തെളിയിക്കാനും കൂടിയാണ് മഷ്റൂംസ്... വൈവിധ്യങ്ങളുടെ ചടുലഭാവമാണ് ഈ മാഗസിന് ചേരുക. അല്പരേതെ ഇടവേളകൾക്കി-ടയിൽ ചിതറിയ ചിന്തകളെ ചേർത്ത് വച്ച് കോപ്പുകൂട്ടിയ ഈ

പുസ്തകതാളുകൾക്കു നെഹ്രുവിയൻ ജീവിതനേർക്കാഴ്ചയുടെ കഥകളേറെ പറയാനുണ്ട്. സൗഹൃദ ബന്ധങ്ങൾക്ക് ഊഷ്മളതയേകുന്നൊരിടമാണ് ഞങ്ങൾക്ക് മഷ്റൂംസ്... വർണ്ണ കൂണുകൾക്ക് ചുറ്റുമുള്ള സിമന്റ് ബഞ്ചുകളിലെ വർത്തമാനം പറച്ചിലും കളിചിരികളും സംവാദങ്ങളും എല്ലാമെല്ലാം മഷ്റൂമിനെ ക്യാമ്പസ്സിന്റെ പ്രിയപ്പെട്ട ഇടമാക്കി മാറ്റുന്നു. അത് കൊണ്ട് തന്നെയാവാം ഞങ്ങളുടെ പൂർവസൂരികൾ കളിചിരി, സാഹിത്യം, കല, ജീവിതം എന്നിവയെ ചർച്ചിക്കുന്ന മാഗസിന് ഈ നാമധേയം ചാർത്തിക്കൊടുത്തത്... ചിന്തകളുടെ പുൽമേടുകൾക്ക് പച്ചപ്പുള്ളതിനാലും സൃഷ്ടിദാഹത്തിനുള്ള ശുദ്ധജലം ആവോളമുള്ളതിനാലുമാവാം മുൻപേ ഗമിച്ച ആ ഗോവിന്റെ വഴിയിൽ ബഹുഗോക്കളെല്ലാം പിൻപേ ഗമിച്ചത്...

ആകാരത്തിൽ കുഞ്ഞെങ്കിലും ജൈവശാസ്ത്രപരമായുള്ള കുണിന്റെ പ്രത്യേകതകൾ മനുഷ്യജീവതാളത്തെ സ്വാധീനിക്കാൻ തക്കതായവയാണ്... പ്രകൃതിദത്ത എഞ്ചിനീയറിംഗിന്റെ മാസ്റ്റർപീസാണ് കുൺ, ദശലക്ഷക്കണക്കിന് മുൻകൂട്ടി തയ്യാറാക്കിയ കോശങ്ങളുടെ നാണയപ്പെരുപ്പം തണ്ടിനെ വലിച്ചുനീട്ടുകയും ഭൂമിയെ വശത്തേക്ക് തള്ളുകയും തൊപ്പി തുറക്കുകയും ചെയ്യുന്ന ഒരു ന്യൂമാറ്റിക് പ്രക്രിയയാണ് ഫലശരീരമായി ഒറ്റരാത്രികൊണ്ട് പ്രത്യക്ഷപ്പെടുന്നത്. മഷ്റൂം കോളനികൾ മണ്ണിലൂടെയും ചീഞ്ഞളിഞ്ഞ മരത്തിലൂടെയും കുഴിയെടുക്കുന്നു. ചിലവ വനവൃക്ഷങ്ങളുടെ വേരുകളിൽ കൊളുത്തി പരസ്പരം സഹായ-കരമായ സഹജീവിതങ്ങളിൽ ഏർപ്പെടുന്നു.

ദശലക്ഷക്കണക്കിന് വർഷങ്ങളായി കുൺ നിലവിലുണ്ട്, അവയുടെ പ്രവർത്തനങ്ങൾ ജൈവമണ്ഡലത്തിന്റെ പ്രവർത്തനത്തിന് ഒഴിച്ചുകൂടാനാവാത്തതാണ്. സസ്യങ്ങളുമായും മൃഗങ്ങളുമായും ഉള്ള ബന്ധത്തിലൂടെ, വനത്തിന്റെയും പുൽമേടുകളുടെയും പരിസ്ഥിതി, കാലാവസ്ഥാ നിയന്ത്രണം, അന്തരീക്ഷ രസതന്ത്രം, ശുദ്ധീകരണം, ജൈവവൈവിധ്യ പരിപാലനം എന്നിവയ്ക്ക് കുൺ അത്യന്താപേക്ഷിതമാണ്.

കുണിനെ ആശ്രയിച്ചുള്ള ആവാസവ്യവസ്ഥയിൽ മനുഷ്യർ പരിണമിച്ചു. കുണില്ലാതെ നമ്മൾ ഉണ്ടാകില്ല. നമുക്ക് എത്ര ഉന്നതനാണെന്ന് സ്വയം തോന്നിയാലും, മനുഷ്യർ ഈ ഫംഗസുകളുടെ തുടർച്ചയായ പ്രവർത്തനത്തെ ആശ്രയിച്ചിരിക്കുന്നു എന്നതിന് രണ്ടുപക്ഷ-മില്ല... ഈ ബന്ധം പരസ്പരവിരുദ്ധമല്ല: നമ്മളില്ലാതെയും തീർച്ചയായും കുൺ ഉണ്ടാകുമാ-യിരിക്കും... പക്ഷേ അവ അപ്രസക്തമാകും, സംശയംവേണ്ട...

പ്രിയ സുഹൃത്തേ, നിന്റെ കണ്ണുകളിലെ തിളക്കവും ചുണ്ടിലെ പുഞ്ചിരിയും... അത് മാത്രമാണ് മഷ്റൂംസിലെ പേജുകൾ മറിച്ചുനോക്കാൻ ഞങ്ങൾ പ്രതീക്ഷിക്കുന്നത്... ആകാരത്തിലും വികാരത്തിലും സൗമ്യനാകുന്നുവെങ്കിലും, ആധാരത്തിലും വിചാരത്തിലും സ്വയം തെളിയുന്ന കുണിന്റെ ഭാവത്തിൽ തന്നെയാണ് ഈ മഷ്റൂംസ്

ഈ മാഗസിൻ നിങ്ങളുടെ സ്വന്തം പ്രതിഫലനം കാണും... ഉറപ്പ്...

Dr. Sudheer S Marar (Staff Editor)
Professor & HoD, Department of MCA



EDITORIAL

വർത്തമാനത്തിന്റെ മറുപുറം തേടി ഒരു യാത്ര ഇവിടെ ആരംഭിക്കുകയാണ്. ആധുനികതയുടെ സൃഷ്ടികളിൽ നിന്നും അധ്വാനത്തിന്റെ ചിതലരിക്കപ്പെടാത്ത ഒരു വാതായനം അതിന്റെ ഉള്ളറകളിലേക്ക് തുറക്കപ്പെടുകയാണ്.

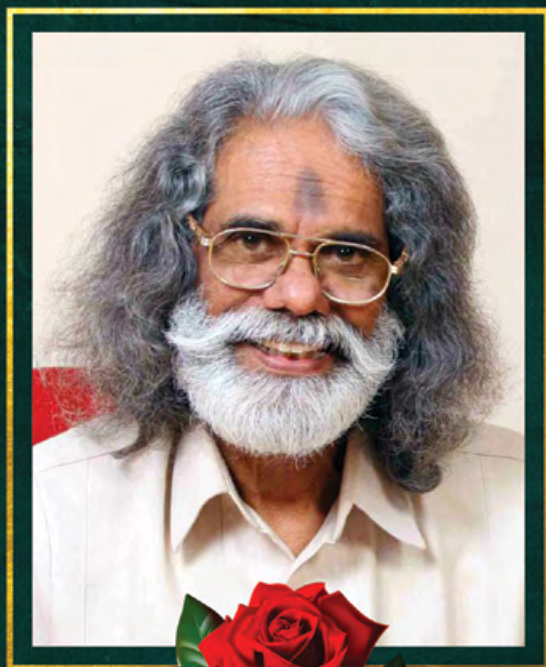
സൗഹൃദം നിറങ്ങൾ കൊണ്ടും, കാലം ഉത്തരവാദിത്വമില്ലായ്മ കൊണ്ടും, പ്രായം സ്വപ്നങ്ങൾ കൊണ്ടും, ചിന്തകൾ ചിറകുകൾ കൊണ്ടും, ഹൃദയങ്ങൾ സ്വാതന്ത്ര്യം കൊണ്ടും, സമാന്തര രേഖകളിലൂടെ സഞ്ചരിച്ച് ഒരു ബിന്ദുവിൽ ചെന്നെത്തിചേരുന്ന രണഭൂമിയിലെ ജീവിതം.

പൊക്കിൾകൊടിബന്ധത്തെ അറുത്തടയ്ക്കുന്ന മുല്യശോഷണത്തിലേക്ക്... മാധ്യമ സംസ്കാരം ശിഥിലമാക്കിയ സാംസ്കാരിക അടിത്തറയിലേക്ക്... മണലാരണ്യത്തിലെ മുൾചെടി പോലെ ഇനിയും നശിക്കാത്ത മനുഷ്യത്വത്തിലേക്ക്... ലോകത്തിനു മുൻപിൽ വേലികെട്ടുകളാൽ മൂടപ്പെട്ട കാലത്തിന്റെ അടയാളങ്ങളിലേക്ക്... ഭൂതകാലത്തിന്റെ സുഗന്ധം നുകരാൻ എന്നിലേക്കു മുഖം അടുപ്പിക്കുന്ന നിങ്ങളിലേക്ക്...

എന്റെ ഉള്ളറകളിലെ കലാലയവും സൗഹൃദവും വിരഹവും നൊമ്പരവും ചാലിച്ച വൈകാരികതയും ഒപ്പം മത്സരങ്ങളുടെയും വടം വലികളുടെയും രസചരടിൽ കോർത്ത ഓർമ്മകളെയും നേദിക്കാൻ വെമ്പുന്ന യാത്ര. എന്റെയും നിന്റെയും ഓർമ്മകളിലേക്കുള്ള, തഴമ്പിച്ച അടയാളങ്ങളിലേക്കുള്ള ഒരു യാത്ര...

Rahul Ramkumar
(Student Editor)
S7-CSE

Heartfelt Condolences...



*We deeply mourn
the sad demise of*

Prof. Dr. K. Rahavan Nambiar

Former Director-Academic & Advisor
Nehru College of
Engineering and Research Centre

Prof. Dr. Ravi Varma Raja

Former Director (2004-2014)
Nehru School of
Management @ NCERC

*May their Souls
rest in peace...*





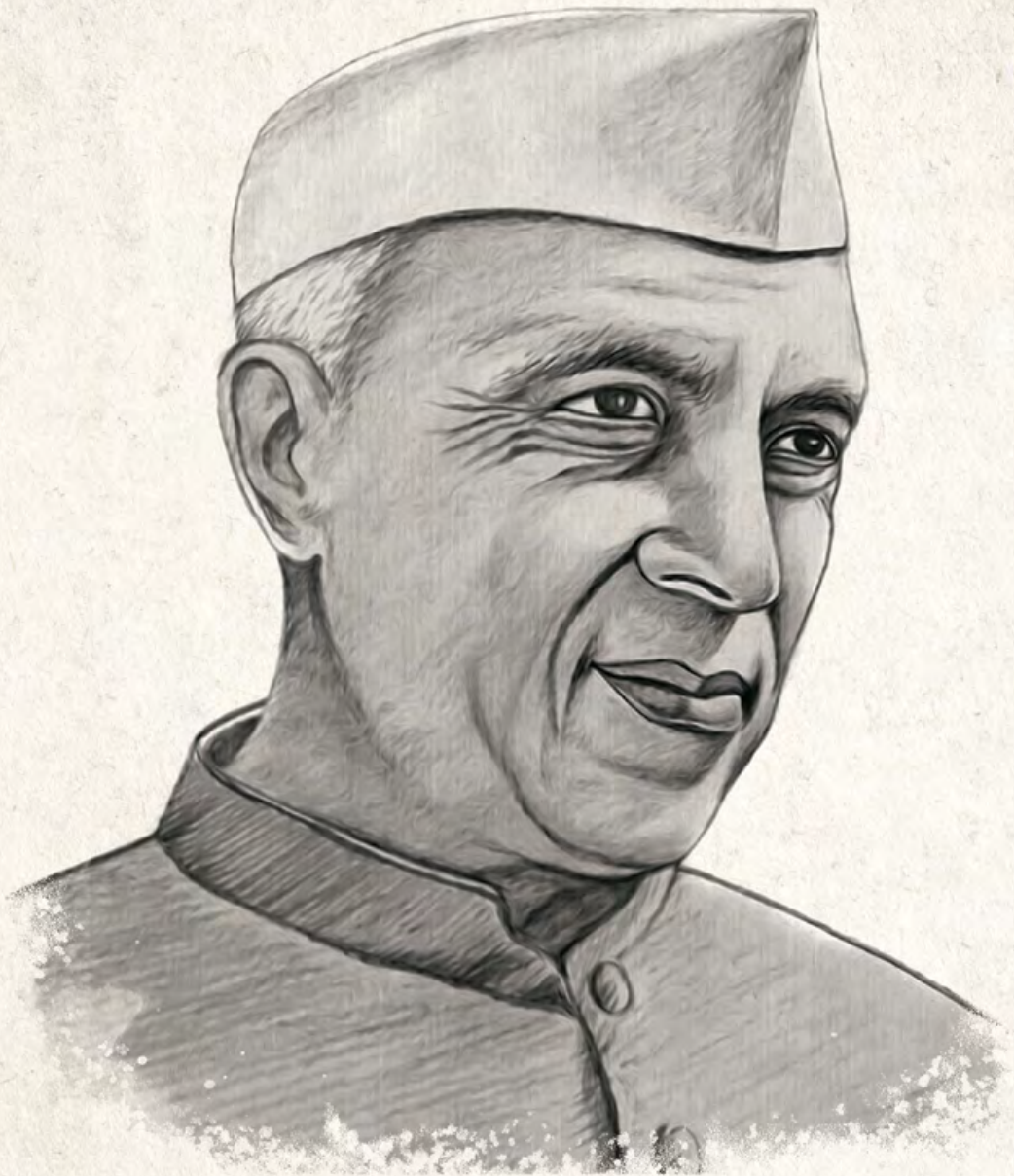
“ Today I had the Good Fortune to visit the Nehru college of engineering and Research Centre. I was very much impressed by the campus, the type of building provided, and the type of facilities available. I am happy to know that this group is celebrating the 20th anniversary of this institution and has been doing wonderful service in the field of Education, particularly in engineering and medical education. I wish the organization all the best ”

Padma Vibhushan E. Sreedharan

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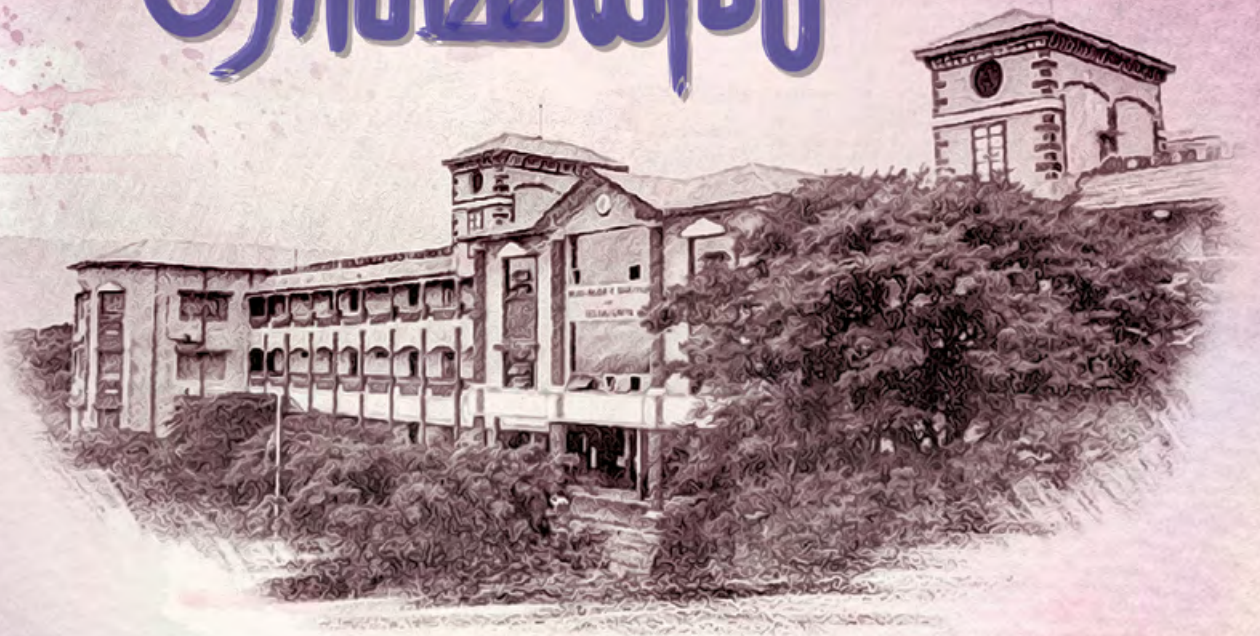
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The object of education was to produce à desire to serve the community as a whole and to apply the Knowledge gained not only for personal but for public welfare.

-Pandit Jawaharlal Nehru

ഓർമ്മകൾ



ഓർമ്മകൾക്കെന്തുസുഗന്ധം...
എൻ മനസ്സിൻ ചിരാതിൽ
കാലമേ നീ സാക്ഷി,
വീണ്ടും ഒരുപടിയിറക്കം...
എൻ കലാലയ ജീവിതത്തിൽ
സൗഹൃദവും പ്രണയവും നിറഞ്ഞ ഇടനാഴികൾ...
വീണ്ടും ഒരു വേർപിരിയൽ
എന്നിൽ സൗഹൃദത്തിന്റെ തിരിനാളം
തെളിയിച്ച കലാലയമേ,
പടിയിറങ്ങും നേരം
എൻ മിഴികൾ നിറഞ്ഞുവോ...
എൻ അശ്രുബിന്ദുകൾക്കു
സാക്ഷിയായി കലാലയത്തിൻ
ഇടനാഴികളും...
ഒരുപടി ഓർമ്മകൾ വിങ്ങുന്ന
മനസ്സുമായി
എൻ ഹൃദയമേ എൻ ഓർമ്മകൾ
ഒരു ദീപനാളമായി ജ്വലിച്ചിട്ടേ...



Rahul Ramkumar
(Student Editor)
S7-CSE



Illustration by
Dhrisya M
S7-ECE

നീ വരുന്നതും കാത്ത്



Sajitha A.S

Asst. Prof., ECE

നിന്നോടുള്ള പ്രണയം പറയാനാവുന്നില്ല,
നീ മഴയായി പെയ്തിറങ്ങിയതെൻ
ആത്മാവിലാണ്...

എന്നെ ഞാൻ ആക്കിയ നിനക്ക്
എന്ത് പകരം വയ്ക്കും...

ഇന്നെന്റെ യൗവനവും,
ഞാൻ പൂക്കുന്നതും, കായ്ക്കുന്നതും,
നീ തന്ന വരമാണ്...

വർഷമേഘങ്ങൾ വരാതായപ്പോൾ,
എനിക്കുണ്ടായ വിരഹ വേദന,
എൻ അങ്കലാവസ്ഥ പൊഴിച്ച്
കണ്ണുനീർ വാർത്തതും,
ഓടി നീ അണഞ്ഞതും...

പെയ്തെന്നെ കുളിരണിയിച്ചതും,
ഭൂമിക്ക് താങ്ങായി തണലായി,
നീ പെയ്യേണ്ടിയിരിക്കുന്നു,
എന്നിലെ വേരിന് ജലാമൃതം
നുകരുവാൻ...

നീ എനിക്കെന്നും കൂട്ടായിരിക്കണം,
വരളാത്ത നീരുറവകൾ ഇനിയും
ഉണ്ടാവണം,
പ്രിയ മഴയെ നിന്നെ ഞാൻ
പ്രണയിക്കുന്നു...

സ്നേഹപൂർവ്വം

മരം



ഒരു പൊതിച്ചോറിനായി...



Devaki Hrishikesh
S4-MCA

ഒരു പൊതിച്ചോറിനായി കാത്തിരിപ്പു...
അമ്മതൻ സ്നേഹത്താൽ
പൊതിഞ്ഞു തരുമ്പൊരു
പൊതിച്ചോറിനായി കാത്തിരിപ്പു...
പൊതിച്ചോർ നൽകി തലോടുന്ന
ഒരു അമ്മയെ കാത്തിരിപ്പു...
ഒരു പൊതിച്ചോറിനായി
അമ്മയുടെ കൈ പിടിച്ച് നടക്കുന്ന
കുഞ്ഞിക്കൈകൾ നോക്കുവിൻ...
നോക്കുവിൻ എത്രയോ അമ്മമാർ,
എത്രയോ കുഞ്ഞുങ്ങൾ,
ഒരു പൊതിച്ചോറിനായി പ്രതീക്ഷിച്ച്
നിൽപ്പു പൊന്നോമനകൾ...
അവരുടെ വാടിയ മുഖങ്ങളെ
വിങ്ങുന്ന ഹൃദയവുമായി
മാതൃഹൃദയങ്ങൾ നോക്കി നിൽപ്പു...
പ്രതീക്ഷയോടെ
ഒരു പൊതിച്ചോറിനായി
തളർന്ന കൈ നീട്ടി കാത്തിരിപ്പു...



A LEGACY OF EDUCATIONAL EXCELLENCE: THE NEHRU GROUP OF INSTITUTIONS

From Humble Beginnings to Educational Excellence

Nehru Group of Institutions was established in 1968 in Kuniyamuthur, Coimbatore, Tamil Nadu as a center of educational excellence to nurture, guide and ignite the spirit of the young minds in Tamil Nadu and Kerala. When educational opportunities were limited and information centers were not equipped with adequate resources, NGI was founded on this philosophy to serve students, especially those from economically backward backgrounds looking out for continuing education pathways with an academic and vocational direction.

Late P. K. Das, founder-chairman gave up his lucrative job in the Air Force and chose to pursue his dream of building a center of educational excellence. With a vision to establish the Nehru Group of Institutions, he embarked on the mission, encountering first hand experience of the difficulties and the challenges that sprung up unawares. His demise in 2009, saw the mantle of responsibility fall on the very able shoulders of his sons, Managing Trustee, Adv. Dr. P. Krishna Das and CEO & Secretary, Dr. P. Krishna Kumar, weathered the fiercest of storms and challenges, to build up the walls and to emerge as contenders in the

now-changing world of education. They have stood fast in their faith of seeing their father's vision fulfilled and getting the institution a University status, without compromising on the ethics and principles,

In the past 54 years, NGI has successfully nurtured, groomed, and placed approximately 1,00,000 plus students in the best of corporate, here and abroad. Our service is complete. NGI has branches ranging from architecture to technology across Tamil Nadu and Kerala, and a corporate office in Coimbatore, all delivering objective advice and maintaining a professional level of service to students and parents.

NGI has risen above every storm and challenge and has stood tall even while going through the fiery furnace of tests. 2022 marks 54 years of this unstoppable VICTORY.

The Evolution of Nehru College of Engineering and Research Centre

Nehru College of Educational and Charitable Trust, one of the pioneers in the field of Engineering Education and training, commenced the contribution through Nehru College of Aeronautics and Applied Sciences at Coimbatore in 1968. With the objective of delivering world-class quality education and training in a structured way, this trust started Nehru College of Engineering and Research



Centre in the year 2002 at Thiruvilwamala, Pampady. Nehru College of Educational and Charitable Trust has provided excellent infrastructure facilities comparable to the best in the country. Being one of the pioneers in the field of engineering education, Nehru College of Engineering and Research Centre is located on the northern slopes of Thiruvilwamala, which merges into the banks of river Nila. This undulating terrain of 40 acres with lush green vegetation that have been kept intact



in this area. The whole campus has been beautifully landscaped without disturbing the natural topography. The Founder Chairman understands the difficulty of the average students belonging to the middle class and the low-income group in this locality to facilitate them to pursue professional studies and to bring them to the forefront and make them at par with the elite section of the society. These thoughts culminated in starting an engineering college at Pampady. Further, the college has been the catalyst of a tremendous



economic boost in this sleepy village. The area around this village metamorphosed into towns with classic amenities, shopping malls, and star hotels.

Nehru College of Engineering and Research Centre is a NAAC accredited with A Grade, NBA Accredited, and ISO 9001:2015 certified institution affiliated to A P J Abdul Kalam Technological University Kerala and approved by All India Council for Technical Education (AICTE). The college offers 6 undergraduate and 6 Postgraduate programs in Engineering, Computer Applications, and Management.

To make the students professionally worthy, the college has Institutional membership of professional societies such as IEEE, ISTE, CSI, IE (INDIA), ISTD, AIMA, SEEM, etc. to strengthen the values of the Institute and its Students.

Initially, the college comprises an Academic building, Administrative Building, Laboratories, Workshops, Library, a computer center, Men's and Women's hostel, and a playground later on added 6 academic blocks were named after Ancient Indian Scientists, astronomers, and Philosophers. The pleasing atmosphere

prevailing within the campus, and the active involvement of eminent professors, academicians, and Luminaries in Industries have facilitated in a great way the establishment of NCERC.

The students of Nehru College have established a great tradition by earning the much coveted University Ranks and a high degree of pass percentage each year since the very first batch itself.

Nehru Corporate Placements and Industry Relations (NCP & IR) is playing a very prominent role in NCERC which makes efforts to give placement training and organize campus interviews every year Apart from training, guiding and counseling students on career-related matters and assisting them in exploring new opportunities job fairs are conducted in the campus.

NGI Continues its Saga of Academic Success...

From the First passed out batch onwards year after year our students continue the tradition of academic brilliance. NCERC has produced 90 plus rank holders out of which 30 rank holders secure first, second and third positions NCERC's tradition of strong academic performance has always been decorated with the large number of Ranks won by the students every year.

Cultivating The Future Citizen

Education is the foundation for creating a bright future for any society. However, there are often financial barriers that prevent individuals from pursuing higher education, especially those from economically and socially backward backgrounds. Recognizing this challenge, the Nehru College of Educational and Charitable Trust has taken a bold step in offering scholarships to deserving

students. The Nehru Vignjan Scholarship and The Chairman's Special Scholarship aim to uplift, motivate and promote the interests of financially backward students. These initiatives demonstrate the NGI's commitment to cultivating future citizens who will not only contribute to their own personal growth but also bring positive change to their communities and to the nation as a whole.

Nehru Vignjan Scholarship



This prestigious educational scholarship is offered by the Nehru College of Educational and Charitable Trust with the objective to promote the interests of socially and economically backward students for their upliftment and bring them to the elite strata of professional education. This scholarship was offered by the Trust from the 2003-04 academic year onwards. The trust has earmarked Rs.10 lakhs for meeting the expenses for the scholarship.

Chairman's Special Scholarship

If any student of this college secures up to 3rd rank in the university examination, he/she will be given back all the tuition fees paid by the student. And a token of one sovereign gold coin will also be given from 2006 onwards.

NSITE

The Nehru Group of Institutions strives to fulfill its motto of "Moulding True Citizens" by promoting the quality and character of students to become true professionals through its diverse educational cultures.

The National Level Inter Collegiate Technical Fest named Nehru Science Innovation and Technology Expo-NSITE is organized by the Nehru Group of Institutions, Kerala, to showcase the innovative talents of the students and to promote scientific temperament among the students.

NSITE opens the doors for students from Engineering, Pharmacy, Management, IT, Architecture, and Law from all over India to participate. The biggest attraction of NSITE is the Science and Technology Exhibition where students, technocrats, and industry come together to spread their ideas in designing, programming, coding, paper/project presentations, games, and brainstorming are the few nerve-wracking events that pose a challenge to the participants who exhibit and compete with each other to showcase their inventions and innovations.

This Technical Mega Event where distinguished and prominent personalities from the varied areas of Science and Technology/think hats and more than 10,000 students from various schools and colleges would rub shoulders and give wings to their innovations and showcase technical expertise, making them entitled to attractive prizes worth lacs. In this process, NGI makes the participating schools become eligible for Nehru Vignjan Scholarship worth Rs.1 Crore, which will entail free tuition fees to aid deserving and talented students to pursue B.Tech courses, thereby making this mega event socially committed, relevant, and beneficial.

Moto Expo

The prestigious Moto Expo of NGIK was jointly organized by the Departments of Automobile and Mechanical Engineering to give greater momentum to the activities and make the face of NCERC more colorful and glittering and strengthen institution-



industry interaction. Moto Expo was initially conducted at Palakkad by the association of Malayala Manorama. All Indian and foreign-designed vehicles as well as imported vintage models have been displayed at the Moto Expo. The brightest of the international motor world were assembled at the moto expo, ranging from Adventure vehicles,- Hi-performance motorcycles to luxurious cars filling the minds of Moto enthusiasts, motivated by their next purchase. Ranging from the power-filled Lamborghini Gallardo, Luxury rewritten Rolls Royce Phantom, prestigious Porsche, bike king Polaris, and Glorious Harley Davidson to a wide range of Royal Vintage cars. Our Moto Expo really embarked on a splendid ambiance for the Drive Buffs.

NCERC Alumni

Nehru College of Engineering and Research Centre Alumni association was established in the year 2007 with the objective to maintain a communication link between passed-out students and the students studying in the college. Senior alumni members, those who are employed in various organizations/companies can help their juniors by giving information about job opportunities and career growth available in their organization. Once a year NCERC organizes alumni meetings. THIRIKE, the NCERC Alumni meet always rejuvenating with sweet memories

BLOOM

The campus is not only to study but to celebrate too. Passion for music, dance, and other non-stage items churning out their best talents. BLOOM is a spectacular get-together of the various colleges of Nehru Group of Institutions, Kerala. The two days long celebration on the campus was made memorable with power packed performance on the stage that flabbergasted the entire audience making them awestruck. The grand Inter Collegiate cultural extravaganza 'BLOOM' is dedicated to the celebration of creativity, talent, fashion, and teamwork making the campus light up with competitions in the field of dance, dramatics, music, debating creative writing, and photography. Competitions are held house wise which ensures enthusiastic participation and healthy competition. Events like Best actor (where the contestant enacts one of the actors in a movie sequence whose dialogues are muted), Solo dance, group dance, Instrumental fusion, theme-based fashion show, Adam Vs Madam (a dance competition with cross-dressing) Duet dance, Melancholia (Song and dance of the '80s), Break – a- Natyam (where performers have to dance to different distinctive tunes) and talent hunt (where Mr. and Miss. NGI Kerala are chosen after selected students exhibit their skills at singing, dancing, speech and other variety of art forms) are all immensely popular among the audience and hotly contested. Bloom promises to be an unforgettable event.

From Pioneers to Leaders: Continuing the Legacy of Quality Education and Community Empowerment

The Nehru Group of Institutions has come a long way since its inception 54 years ago. Through its unwavering commitment to providing quality education and

preparing students for a successful careers, NGI has not only transformed the lives of countless individuals but has also made a significant impact on the economic growth of the surrounding areas. The institution's emphasis on infrastructure development, advanced teaching methodologies, and holistic student development has led to the creation of a robust educational ecosystem that has attracted students from across the country



The 20th anniversary celebrations of the Nehru College of Engineering and Research Centre (NCERC) are a testament to the institution's unwavering commitment to providing quality education and advancing research in the field of engineering. With state-of-the-art facilities and a team of experienced faculty members, NCERC has been able to produce engineers who are well-equipped to take on the challenges of the 21st century.

NGI has made a significant contribution to society by providing quality education and moulding true citizens who are capable of making a positive impact on the world. The legacy of the Late P. K. Das continues to live on through the institution's dedication to excellence, innovation, and student success. As NGI and NCERC continue to evolve and adapt to the changing needs of the world, their commitment to providing quality education remains unwavering, and their impact on society is sure to continue for many years to come...

Chennai Express has been one of the biggest hits and it is impossible that people won't be familiar with the dialogue 'Kahan se khareedi aisi bakwaas dictionary' by Deepika Padukone on the context of Shahrukh Khan saying the word 'IMPOSSIBLE' is not included in his dictionary. You all may be wondering why this dialogue here? Because this article is all about IMPERFECTIONS.... Let me make it clear to you.

As it is impossible to have a dictionary without the word 'IMPOSSIBLE' similarly, it is impossible to spot a human without 'IMPERFECTIONS'. I'm not asking you to appreciate it but you should not discourage or neglect somebody for conducting something wrong.... In brackets, talking about few particular cases. Now, let's get into the context.

People are so busy in building a successful career that they just forget their whole life which is the most precious blessing that we've been gifted with by our ALMIGHTY. We do mistakes and that's ok!!! No issues!! Everyone should accept their faults, learn a lesson from it and mould yourself into a corrected version. The reason is mistakes encourage us to be better always.

It's OK...It's OK!!!

Making faults... It's OK

Lying to someone...It's OK

Contradicting ourselves...

It's OK & It's ok to feel OK!!!

Just remind these five lines every time you feel guilty of what you've done. But IT'S NOT OK to just feel sorry and regret about the things you've done unless & until you correct it. Now, shipping you all to the world of my point of view.

Making Faults: This is something very common and it's not a big deal! We are humans and not robots who are readymade lively creatures. It's from those mistakes that we learn the most of our life lessons. It is said that humans are the creators and the destroyers and it is applicable in each & every aspect. Like mentioned by Taylor Swift in her song 'I am the PROBLEM...It's ME!!', we are the source & the solvers of the problem. So you just have to follow these steps: accept; say sorry; sort it out.... It's that simple!!!

Lying to someone: Don't think that I'm a supporter of being mendacious ,but in much pity cases only... Actually 'lying' is the most massive fault that a person can do. Because it can break the most valuable emotion called 'trust' that holds the entire relations of an individual. So, never ever try to hurt your close ones by being deceitful to them... I'm sure that you'll one day regret and it'll always remain as a burden for the rest of your lifetime. So, if you think that you've done something wrong, then please go and at first, be sorry and don't ever try to justify yourself if you are the culprit. Just be SORRY!!!



Contradicting ourselves: A FACT which no one is aware about... Maybe I'm wrong but around 90% of them according to me, haven't even thought of this particular reality. I always used to think of this because fellows always try to point out others' statements of contradiction but please take a deep look inside you. You have contradicted yourself a lot of times like given a statement or a promise and when it comes to practicality, you just step back or just add a cross on your own affirmation. And it's COMPLETELY ALRIGHT!!! Why? Because it's pretty natural. We usually aren't aware when we counter ourselves. We are not a system of networks made of chips and IC's. OK... But before blaming others, please be aware of your own proclamations.

And apart from these....Ahh.. Wait.. Basically, the previous 3 points includes everything that people should feel OK (again mentioning in few cases) for but are not. So, I don't know whether I've put any light on you but I feel content as I've put on my heart here, i.e., my opinions. Well, it's up to you whether you've to use a part of your time imagining about these truths, but will definitely plead (which I've highlighted for three times already) to all the individuals that instead of regretting or neglecting things, come forward, be honest and untie the knot.

APOLOGIZE... This one word can take all your stress off and make you escape from the cage of getting ruled. A powerful word which can heal the pain within relations to a great extent. Don't think that I'm getting philosophical here, but its my habit to end an essay with a quote or simply words and thoughts of my own.... So, again please allow me....

The story "Poets and Pancakes", a passage from Asokamitran's book "My Years with Boss" which was included in my class 12th English, talks about few legends who termed photos as a piece that takes away our soul. Maybe that's true for some people out of which I'm definitely not included. It's because I believe that 'A photo retain our souls within it'. As a photo is getting viewed by us in two visions similarly, you as an individual is being loved unconditionally by few of them and is getting hated by few others. And it's COMPLETELY OK!! Because you are not been gifted this life to make others happy by fulfilling their desires. It's your life and rule it in whatever way you want to, but always keep in mind,

BE TRUE TO YOURSELF...

**BE TRUE TO YOUR
CLOSE ONES...**

**And would love to promote
my all day Mantra, i.e.,**

**LOVE YOURSELF FOR
WHAT YOU ARE!!!!**

**REALISE THAT YOU ARE
BEAUTIFUL IN ALL WAYS...**

Keep reminding this and trust me you will feel positive and contented and you'll certainly feel

'IT'S OK!!'

Signing off....



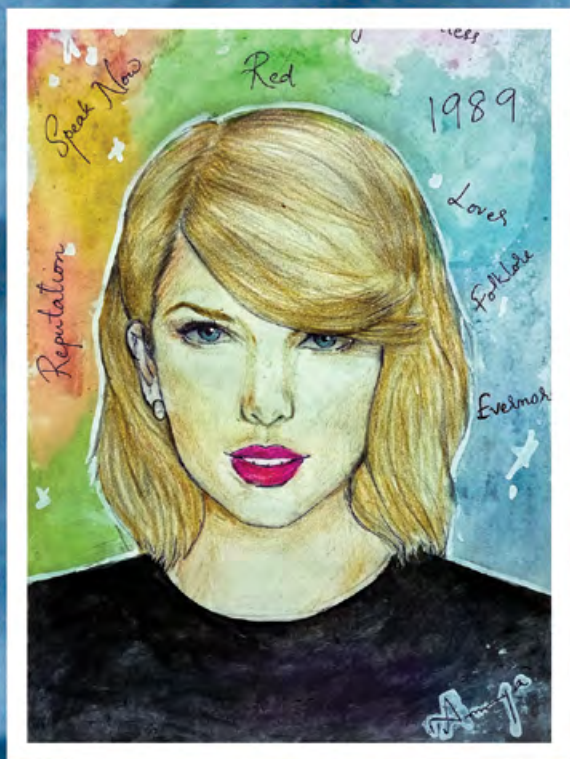
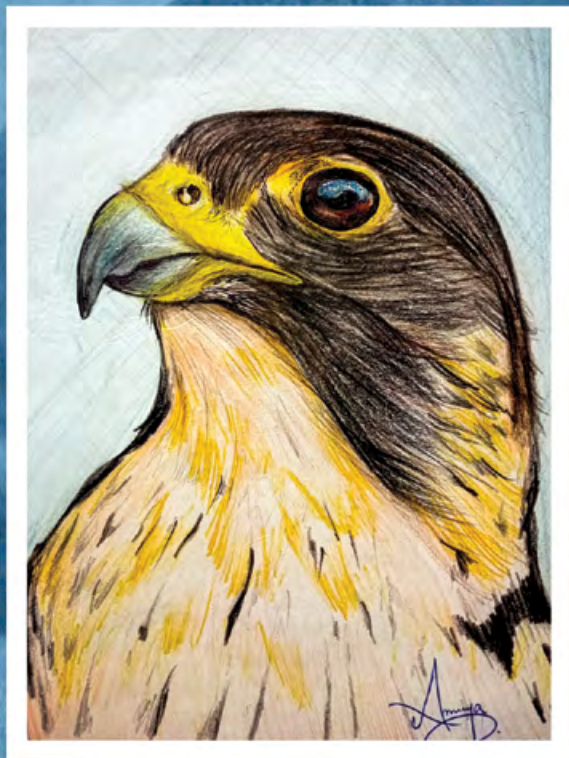
Malavika S Madavan
S3-ECE

everything
you can
imagine
is real.

-Pablo Picasso



Ameya Ann Thomas
S1 - EEE



Imagine...
Create... Inspire...

 Dani V.C
S1- M.Tech ECE





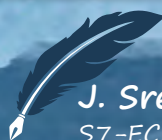
Anol Justine O
MBA 2021-23



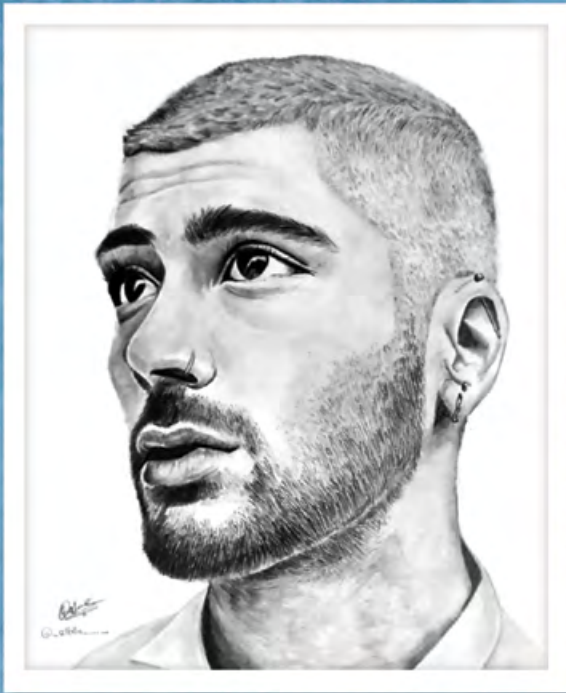
Meghna Santhosh
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Sreejush P.R
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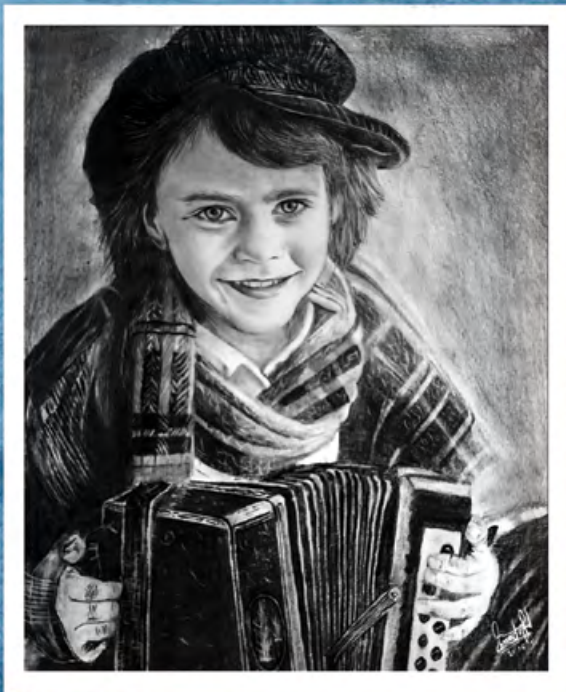
J. Sreejith
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Albin Joseph
S7-CSE



Vineetha P.V
1st Year - MBA



Hiba Mol C
S3-MCA

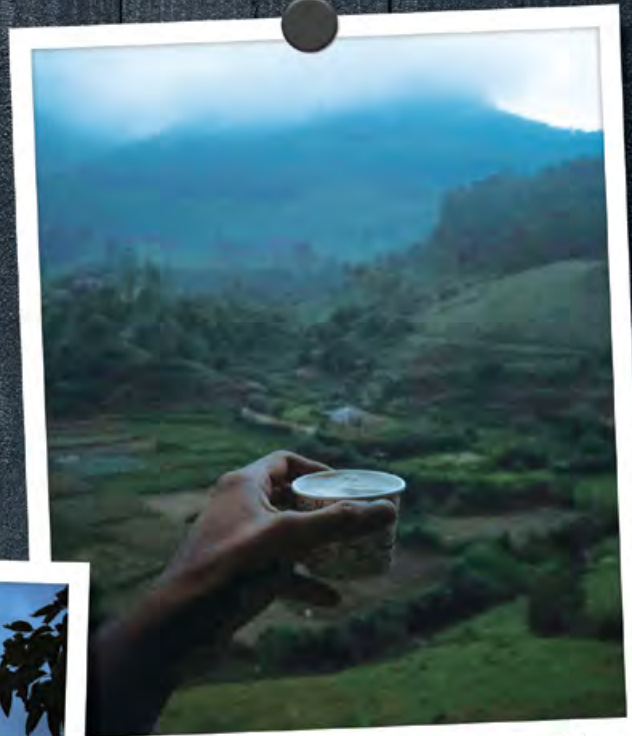


Anirudhan P
S5-CSE

യാത്രകൾ

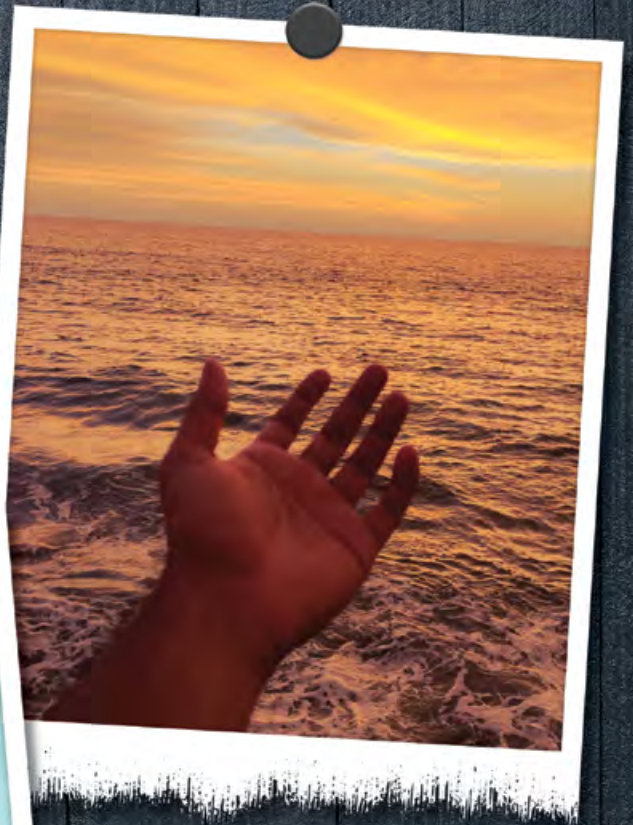
എല്ലാ മനുഷ്യർക്കും ഒരുപോലെ അനിവാര്യമാണോ?

എലിംബിലേരിയുടെ വന്യ വശ്യതയിൽ നേരിട മഴ ചാറുന്നുണ്ട്. മൂടൽ മഞ്ഞാൽ മൂടിയ കാരുകളിൽ, ചീവീടുകൾ അന്താക്ഷരി പാടുന്നുണ്ട്. ഇളം ചുടിലൊരു കട്ടനും, അനുവദിച്ചതിലുമധികം 'കുട്ട' പരിഷ്ക വടകും കൊണ്ട് തന്നെ മുമ്പ്പിനാണ്.



ചുട് ആറും മുമ്പ്, നേരം ഏറും മുമ്പ് അടുക്കല പോലെ ഒട്ടി പീടിച്ചൊരു ചിന്ത മനസ്സിന്റെ ചോര മെല്ലെ കുടിച്ച് തുടങ്ങിയിരിക്കുന്നു!

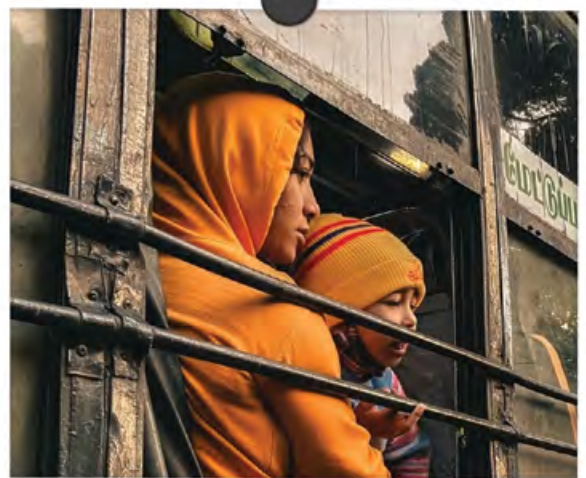
‘ക്രൈസ്തവീകരിക്കുന്ന ജലമാണ് മലിനമാകുന്നത്,
 ഒഴുകുന്ന ജലമെത്ര ശുദ്ധം’
 മനുഷ്യനും ഓരോരുത്തരും തമ്മിൽ
 എത്ര കണ്ട് അടുത്തിരിക്കുന്നു എന്ന്
 ചാഫി ഇമാമിനോളം മനോഹരമായി
 മറ്റാരും വർണ്ണിച്ചു കാണില്ല!
 എന്നാലോ വാക്യത്തെ ഏത് തലത്തിലാണ്
 മനുഷ്യൻ മനസ്സിലാക്കി വച്ചത്
 എന്നതാകുന്നു ചാലകും മോന്തികുളളാ
 മോന്തി ചിന്തകുടകായ്!



നമലിലേക്കുള്ള,
 മറ്റൊരാൾക്ക് ഒരു പ്രാപമല്ലാത്ത
 ഒരു കാത്തിരിപ്പും
 നിങ്ങളെ മലിനമാക്കുന്നില്ല!
 നമ്മൾ നമ്മളോട് തന്നെ
 ചോദിക്കേണ്ട മറ്റൊരു
 ചോദ്യമിതാണ്,



‘ഓരോരുത്തർ മനുഷ്യനെ
 വിശാലമായി ചിന്തിപ്പിക്കുകയും
 അതുവഴി ശുദ്ധീകരിക്കുകയും ചെയ്യുന്നു’
 എന്ന സദുദ്ദേശ സന്ദേശത്തിനപ്പുറം,
 ഓരോ ചെയ്യാനാകാത്തത്
 ഒരു തെറ്റാകി കാണേണ്ടതുണ്ടോ?
 എല്ലാ മനുഷ്യനും ജനിക്കുന്നതോ
 ജീവിക്കുന്നതോ ഒരേ സാഹചര്യങ്ങളിലല്ല,
 അവിടെ വിവേക പൂർവ്വം
 സാഹചര്യത്തിനൊത്ത്
 ആഗ്രഹങ്ങളെ കരുതുകയാണ് വേണ്ടത്!



കഥാർത്ഥത്തിൽ
 നിങ്ങൾ മാത്രമുണ്ടെന്ന് സത്യം
 പ്രണയിക്കുന്നുണ്ടോ?
 മാത്രമുള്ള ആത്മീയമായി
 മുമ്പുണ്ടാകാൻ
 നിങ്ങൾക്ക് കഴിയാമോ?
 ചിലപ്പോൾ ഉണ്ടാവില്ല!
 നിങ്ങളുടെയെല്ലാം സൗഹൃദവലയമാ,
 മറ്റാരുമില്ലാത്ത ലോകം സർവ്വതോ
 നിങ്ങളിൽ തീർത്ത ഫാൻസി മാത്രം
 മാത്രം നിങ്ങളെ മുന്നോട്ട് നയിക്കുന്നത്?
 മാത്രം ഒരാളുടെ
 ലോകം മാത്രമാണെന്ന്
 തിരിച്ചറിയുക!



സ്വന്തം വീട്ടിൽ ചെടി നനയ്ക്കുന്നതിൽ
 നിങ്ങൾ കൂടുതൽ സന്തോഷം
 കണ്ടെത്തുമെങ്കിൽ
 ഭൂമിയിൽ
 മറ്റാരുമില്ലാത്ത ലോകം
 നിങ്ങൾക്ക് മാത്രം
 നിങ്ങളുടെ മാത്രം പോവാതിരിക്കുക!

ഓർക്കുക!
 കെട്ടിക്കിടക്കുന്ന എല്ലാ ജീവനും മലിനമല്ല!
 ശുദ്ധീകരിക്കാൻ കഴിവുള്ളതൊന്നും
 മലിനമാക്കപ്പെടാതെ തന്നെയിരിക്കും.



Tharun Mohan
 (Associate Student Editor)
 S7, CSE

“

എന്തിനാ
അവനെ കൊന്നേ?

അവൻ കട്ടിട്ടാ...

അതിനു കൊല്ലണോ?

അവൻ കറുത്തിട്ടാ...
മുഷിഞ്ഞിട്ടാ...

പിന്നെ വിശന്നിട്ടു...

”



Illustration by
Dhrisya M
S7-ECE

കാടിനെ അറിയൂ

കരുണയില്ലാത്തൊരു കാട്ടാള വർഗ്ഗമെ
കേൾക്കുക കാടിൻ കരച്ചിലുകൾ
കുളിരണിയുന്നൊരാ മൗമല നാടിന്റെ
കൂടയായി നിൽപ്പതുണ്ടാവനങ്ങൾ

കൂടണയാൻ ചെറു പക്ഷികൾ പ്രാണികൾ
കുയിലും കുരുവിയുമൊന്നുപോലെ
കൂട്ടത്തിലല്ലവരെങ്കിലും കൂട്ടിലായ്
കരടിയും കടുവയും കുറുമരിയും

കൊലകൊമ്പനാനയും കുറ്റൻ കരിമ്പുലി
കൂട്ടങ്ങളെത്രയോ ഉണ്ടു കാട്ടിൽ
കൂടിലു കൂട്ടിലു ഒറ്റയ്ക്കിരിക്കുന്ന
കുഞ്ഞനാം കുമനുമുണ്ടു കൊമ്പിൽ

കൊത്തിപ്പറിക്കും മരത്തിന്റെ ചീളുകൾ
കൊത്തിയെന്നത്രേ അതിന്റെ പേര്
കൊച്ചു കിടാങ്ങൾ തൻ കൂട്ടമായെത്തുന്ന
കൂട്ടി കുരങ്ങൻമാരേറെയുണ്ട്

കലപില കൂട്ടും കിളികൾ തൻ കൊഞ്ചലും
കളമൊഴിയായ് കടലോളമുണ്ട്
കരിയില ചപ്പിൻചവറിൻ ഇടയിലായ്
കരിനാഗവർഗ്ഗങ്ങളിഴയുന്നുണ്ട്

കിളി കൊഞ്ചൽ മൊഴിയുമായ് കരളിൽ
കരേറുന്ന കവിതാ ശകലങ്ങളെ ശ്രവിക്കാൻ
കനിവേറും ഹൃദയത്തുടിപ്പുമായെത്തുന്ന
കാനനച്ചോലകളൊഴുകുന്നുണ്ട്

കളിമണ്ണിൽ കൂടിൽ കെട്ടി കഴിയുന്നകാടിന്റെ
കരിവർണ്ണ നിറമുള്ളൊരവിടെയുണ്ട്
കഴിവുള്ളൊരല്ലവർ കുലമെന്നും കാടിന്റെ
കനിവിൽ കഴിയും മനുഷ്യരത്രേ

കവരണ്ട കാടിന്റെ കനിയൊന്നും കണ്ണിന്
കുളിരേകാൻ വനമായി നിന്നീടട്ടേ
കാലങ്ങളോളമീ കൈരളിക്കേകുവാൻ
കുളിരിന്റെതെന്നൽ പകർന്നീടട്ടേ

- Aparna Mohan
M.Tech Cyber

NATIONAL LEVEL AWARENESS PROGRAM ON ONLINE FRAUDS : NEHRU SCHOOL OF MANAGEMENT @ NEHRU COLLEGE OF ENGINEERING AND RESEARCH CENTRE



Nehru School of Management conducted a National Level Awareness Program on **Online Frauds and Prevention** in connection with **RBI** on 17th November 2022, from 10:00 am to 11:30 am at NCERC seminar hall (Aryabhata). It was a one and half hour seminar session. The faculty coordinator who conducted this session was **Dr. Joju C. Akkara** (HOD of MBA Department). The Orator for the session was **K. K. Suresh**, (DT Vice President of Federal Bank). And he made a informative lively session, which was started by the student host of the Event, **Ms. Meghna Santhosh**, 1st Semester MBA student of NSM, followed by the welcome speech done by our Respected Prof. **Ambikadevi Amma T**, Nehru College of Engineering. Soon after the welcome speech the session was handover to our chief Orator K. K. Suresh. It was very informative session for the students and faculty as it gave an insight on the importance and need of awareness based on online frauds. It also helped students to understand the manner for preparing an effective methods to safe guard themselves from online frauds. And The session ended with Vote Of thanks by Prof. **Dr. Krishnakumar T. P.** NSM at 11:30 am.

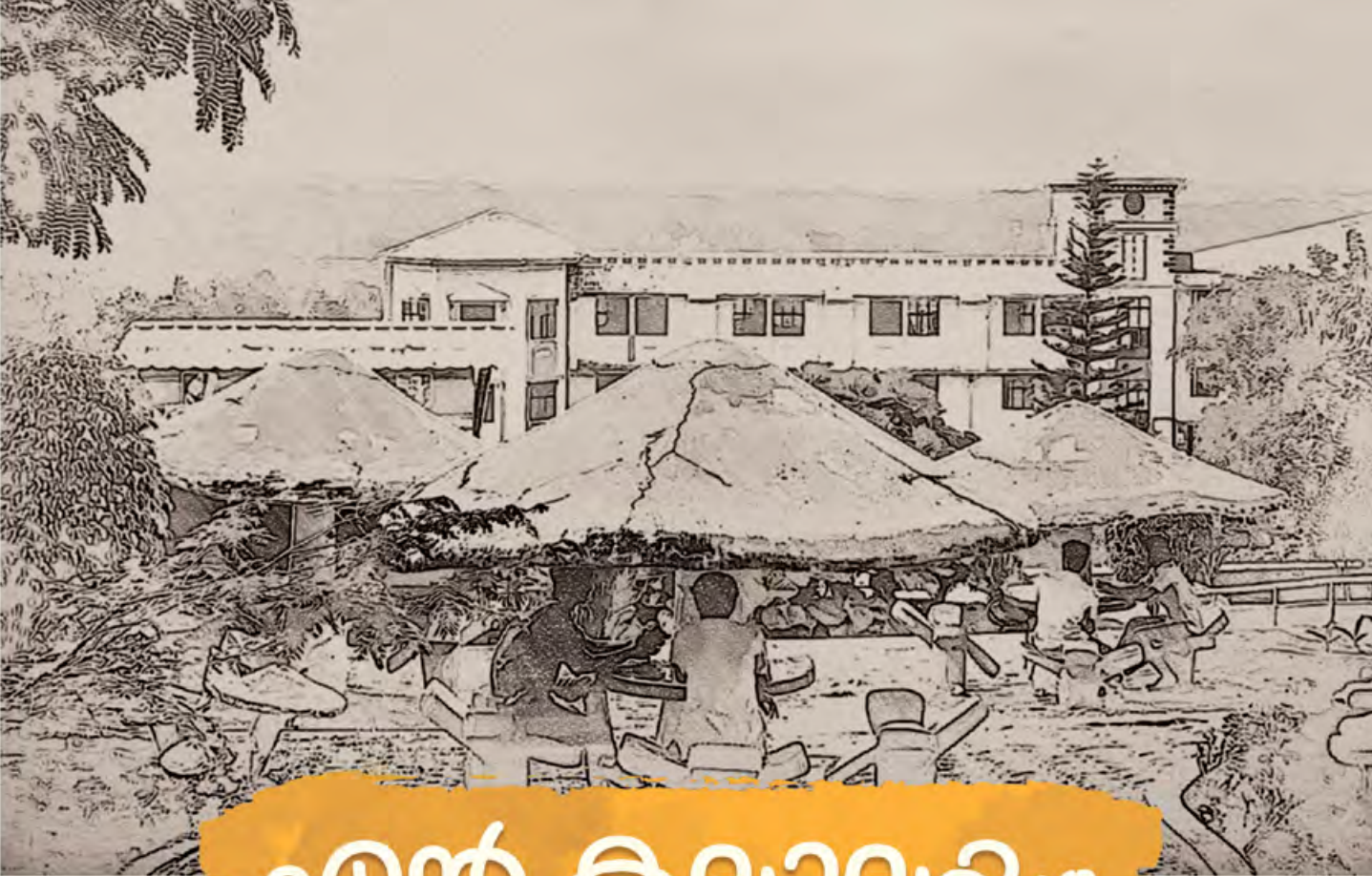
being me!



Fathima Thahasim U

S3-MCA

To you,
Who loved me,
Might have thought, I am heartless.
The answers sign a big NO.
I am not heartless.
I am not blind.
Have you ever been in that situation, your desire to give it
back what
they gave but you couldn't do the same in return.
Even though they deserve!
Ever did controlled your heart not to fall for something?
But me.
Even what I needed but I couldn't.
Left everything for something.
I knew that was deserving.
I knew that was for me.
Only for me.
But I couldn't!!
Pardon me, for who I am.
Regrets, for nothing;
But for being myself.
Being selfish.
Being me!
Believe me, because I believe in,
Some other forces can reunite US again if its written,
If destiny wills.



എൻ കലാലയം



പണ്ടങ്ങോ എൻ ഓർമ്മയിൽ തെളിഞ്ഞ കലാലയം
പുസ്തകങ്ങളിലും ചിത്രങ്ങളിലും ഞാൻ കണ്ട കലാലയം
നൂറു സ്വപ്നങ്ങൾ എൻ മനസ്സിൽ നെയ്തുകൂട്ടിയ കലാലയം
ആദ്യ പടി ഞാൻ എൻ കലാലയത്തിൻ ഉള്ളിൽ കടന്നപ്പോൾ
ഞാൻ കണ്ട വ്യക്തികളും സൗഹൃദങ്ങളും
ഇന്നും ഒരു മായാ ഓർമ്മയായി എൻ ഉള്ളിൽ കിടക്കുന്നു..
സൗഹൃദങ്ങൾ മൊട്ടിടുന്ന തണൽ മര ചുവടുകളും
പ്രണയം പൂക്കുന്ന മൗനമായ വരാന്തകളുമെല്ലാം
ഇന്നും എനിക്ക് മായാഓർമ്മകൾ
ഒരിക്കലും മറക്കില്ല
സഹായങ്ങൾ നീട്ടിയ കരങ്ങളും
താങ്ങായി കൂടെ നിന്ന വ്യക്തികളേയും
ഇനിയും സഞ്ചരിക്കാൻ ഏറെ
കണ്ട സ്വപ്നങ്ങൾ എല്ലാം യഥാർത്ഥമാക്കാൻ ഉള്ള സഞ്ചാരം
കണ്ടുമുട്ടും നമ്മൾ എങ്ങോ എവിടെയോ...

THROUGH THE LENS A LOOK AT THE UNSUNG HEROES



The Drivin' Dudes



Elite Defenders



Blossom Brigade



The Sparkling Squad

Turning The Diary Pages to **IV** Days...



Anjali nandana. V.P
S5-CSE A

Recollecting IV *memories* through pages of a diary...

23rd Nov 2022
Wednesday

Today at 7:15 pm we started our IV in the Ernakulam-SMVB train. All the students were instructed to board the train from Ottapalam or Palakkad station. We reached the Ottappalam station at 6:30 pm. After ensuring all the students are present as per list, we boarded the train, settled all our heavy luggage. We sang many songs, shared food and had a great time with friends. Though we tried to sleep most of us couldn't (we were extremely jealous and was helplessly watching those exceptional experts among us who slept nicely among all these noise and hustle.

24th Nov 2022

Thursday

By morning 4:00 am we reached Bangalore and it was time to begin a new adventure. Tiny raindrops showered from the clouds. The huge Indian flag in railway station swung in the wind. We all got into corresponding buses which were waiting for our arrival. After taking count of students, headed straight to hotel for fresh up. 1 hour time to get ready for the day (it was a difficult task since the room had to be shared among 5 students). At 7am we started our journey to visit the companies Embank flodata and VRIO. We had a session with the company officials there. After visiting industry and having breakfast we travelled to Garuda Mall. The rain followed us throughout our journey. Rain droplets slid through the smiley faces that we drew on the misty glass panes. After a long journey we reached there. The allotted 1 hour time was not enough to explore all the 5 floors. Variety of shops, dresses, food items, books, game station etc. It was fun to watch but better not speak about their price! After mall visit we had our lunch around 3pm. We started our journey to next location by 5:45-6:00 pm. We travelled all the way to Coorg in bus... Oh such a lengthy journey! We had our dinner at 2am to cope up with the schedule and then went straight to County Resort. Many students enjoyed the swimming pool while many others enjoyed their good night sleep...

25th Nov 2022

Friday

A new dawn. Alarm woke me up. One by one everybody got ready, all were eagerly waiting for rafting at Dubera. At 7:15 we packed our bags, boarded bus, had our breakfast and headed straight to Dubera. Rafts were waiting for paddlers vast lake rippled by the paddling. We were split into team of 6-7; we wore life jackets and all of us paddled in unity. We had a guide on the raft, he was controlling the direction. We competed with our friends in other rafts of who were the fastest and which raft gets to be the first. After half an hour of fun time we reached back on the banks. Dubera was also a nice shopping spot, but I didn't purchase much since I have to save money for coming days also. Then after lunch our next destination was The Golden Temple, which is one of the largest Tibetan settlements in India. The vast structure of the temple, natural beauty and lots of Buddhist monks (too young and elderly) where all such an amazing experience. Inside the temple there were three statues of Buddha and we could see prayer, drums which were part of their ritualistic prayers. After there we headed to Coorg for shopping. Coorg is good for purchasing chocolates at affordable rate. What I learned about shopping is that we should never rush to buy anything from tourist spots; taking time and comparing prices only we should purchase things. There were other interesting things like 3D shows, food items, daily use articles, handicrafts etc. By 6:30 pm we had to leave for next spot i.e. for DJ Night. We were given a slot for dancing, all of us enjoyed ourselves and teachers also accompanied us. The light effects and sound effects were incredibly amazing. It will always be such an unforgettable experience. After having food we had hours of travelling in bus... oh it was so tiring!

26th Nov 2022

Saturday

Reached room early morning today, slept comfortably, even though it was for a short time. After completing daily routines, had breakfast and as scheduled we went to nearby beach. We had to walk through Gully ways in order to reach the beach. We played in beach for a long time took photos and enjoyed the breeze; but the sun was too harsh on us. After beach we had lunch and travelled to Murudeshwara temple. The temple is famous for world's second largest Shiva statue. The mighty statue of Lord Shiva was such a wonder to the eye. There were other huge constructions and mesmerizing structures to see within the temple. The temple was surrounded with sea. After watching the beautiful sunset we returned to our bus, back to hotel in Bhaindhoor where campfire was arranged. After singing songs and enjoying the campfire I felt so tired and headed straight to bed with my friends.

27th Nov 2022

Sunday

Today was the last day of our IV. After breakfast we travelled to Malpe beach and Saint Maries Island. From Malpe beach we travelled in boat to the Island. Few kilometers away from the shore we entered into another small boat and at last we reached St. Maries Island. The water there was so clear, shells were all spread out on the shore... all of us enjoyed the landscape. After the allotted time, around 3:15 pm, return boat came to pick us. We returned back to Malpe Island. We were instructed to eat from the beach so as to avoid time delay of reaching hotel. I ate grilled sweet corn which is my all-time favorite. There was a lot of water activities in beach but was not included in our package due to limitations in budget. I went for shopping, played in beach with friends, had evening tea. By the time sun went down the horizon and it was time for us to leave. We had our dinner on return way from hotel and reached railway station by 10:30 pm. After ensuring everyone was present we all boarded the West Coast Express from Mangalore. We sat with our friends. By 11:15 pm train started from station. And now it's time for some rest. Surely these 4 days was so much fun and such an unforgettable experience; something worth to remember for an entire lifetime.





Moon Flower

I bloom during the midnight
In secrecy, not because I am worried,
That I'll be denied of myself. But because to see a moonflower bloom
into completeness of it's own.

Isn't something that you deserve to witness
Because the petals that bleed with,
the waft of the mother!
Isn't something for you to rumple around with...

I shall bloom again tonight
for am a moonflower
With petals hidden in forbidden,
Between agony and courage
For am a moonflower
that i can bloom in solitude



Varsha A. Nair
S7-CSE

Indo-Arab Business Leader Award 2022



It's a glorious moment, that our chairman, **Adv. Dr. P. Krishnadas** is honoured with the most esteemed Indo Arab Leaders Award. It is indeed another golden feather in his crown. His impeccable leadership and exemplary initiatives that made enormous changes in the society are recognised and admired. The Indo Arab Leaders Awards is an acclaimed tribute for the great contributions of those individuals who contribute to the country's education sector. Congratulations sir, for adding glory to the entire Nehru Group of Institutions.



Man of Excellence Award 2022

"Feedback is the breakfast of Champions", recognitions are counted as feedback for flow of performance. Congratulations to **Adv. Dr. P Krishnadas**, Chairman and Managing Trustee, Nehru Group of Institutions for being awarded 'Man of Excellence Award-2022' by Indian Achievers Forum.



Best Principal Award 2022

Prof. Dr. Ambikadevi Amma, Principal NCERC, has won the Best Principal Award 2022 for her outstanding Achievements in the field of education.





IRON CHAINS

I can't move my legs.
I hear that growling in my ears.
Someone whispers in some corner of my heart.
Is it so that life does not change its direction?
I have been hearing that voice for the past day and night.
Even the winds know the sound of my sigh.
Only the drops of blood flowing in my veins are left to say life in me.
He comes to wound the loneliness of the frozen mind.
My life and my life fall upon Him.
Those iron chains lie on my feet like an indelible scar.



Soil: The Linchpin of Human Existence



“To forget how to dig the earth and to tend the soil is to forget ourselves”

- Mahatma Gandhi

Soil is the fundamental element of life on earth. Our existence solely depends on how healthy the soil is. It is the life support system of every living organism in this earth-from micro-organisms to Humans. It plays host to some 25% of our planet's biodiversity. According to consciousplanet.org 'Soil is our very body'. The body that we carry, the food we eat, everything is soil itself.

But our planet's soil is facing severe challenges. It's degrading day by day with increasing urbanization, pollution, deforestation, climate change etc...Half of world's soil is already degraded. This

loss threatens food quality and supply, water security and biodiversity, and can lead to loss of livelihoods conflict and migration. It's high time that we should collectively take action to save soil from further degradation and to increase its quality.

The Save Soil Movement



Save Soil is a global movement launched by Indian spiritual leader Sadhguru, to address the soil crisis by bringing together people from around the world to stand up for Soil Health, and supporting leaders of all nations to institute national policies and actions toward increasing the organic content in cultivable Soil.

The Save Soil movement mainly aims to show the Governments across the world that their citizens need policies and actions that will fortify the planet's soil. Conscious planet's work is towards creating a planet where a large number of human beings will together act consciously, governments are elected prudently, where ecological issues become election issues in the world. According to scientific data and estimates by the Food and Agricultural organization (FAO), by 2050 we will need to produce 60% more food for a pollution of 9.3 billion people. If the rate of soil degradation continues as in present, 40% less food will be produced in 20 years. 52% of agricultural land is already degraded...

Today's fruits and vegetables contain 90% fewer nutrients. Poor soil leads to poor nutritional value. 74% of the poor are directly affected by land deterioration and the soil extinction is causing the world up to us \$10.6 trillion every year. So, our planet is in crisis and if proper action to decrease this alarming rate of soil declension is not done, that would be the end of life on earth. Saving soil can be a holistic solution for almost all major environmental issues. No solution is complete until we realize that life is a single complex phenomenon in which every thing happens in unison and soil is the underlying platform upon which life emanates forth. Save soil movement has already started inspiring about 4 billion people to support policy redirections to nurture and sustain soil and the movement is working towards driving national policy changes across 193 nations toward raising and maintaining the organic content of soils to a minimum of 3-6%.

**“The Only Magic
Material that Turns
Death into Life.”**

– Sadhguru

Soil is the magic material that keep us alive. The Save Soil movement is about bringing humanity together to keep the magic of soil alive.

What can we do?

Each and every person in this planet owe to the soil and it's our collective responsibility to uphold its quality. The most simple and influential thing that we can do to show our support to the movement is just spreading a word about it. Just talking “soil” can make a big difference. If a single person can spread the word to at least ten people, then its more than enough to create awareness about soil extinction.

Writing letters to leaders, pledging our support, conducting awareness classes, flaunting on social media, or just talking about soil concern can make our voices being heard by the law- making bodies. We should continue spreading the importance of soil till the policies are made and implemented.

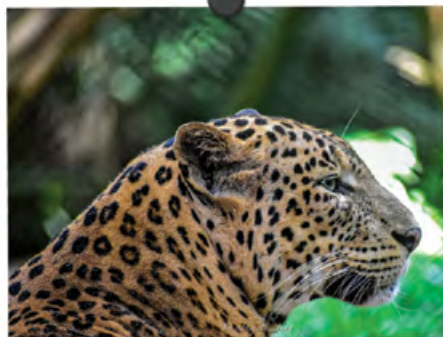
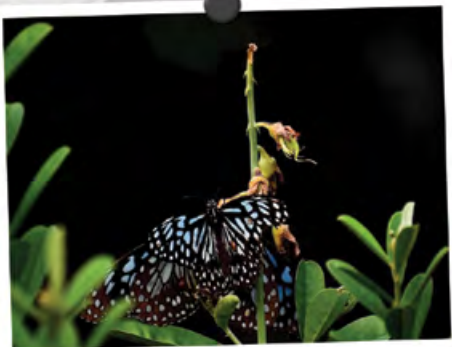
While walls of caste, creed, religion divides the people around the globe, soil is the unifying force that makes them one and equal. Afterall, the cycle of life starts from soil and ends on soil.

So, it's time that we humans unite for soil that unifies us for providing a secure future to coming generations.

Be the voice of soil....and as the Save Soil motto goes

**“Let's Make It Happen”
together.**

SHUTTER STORIES



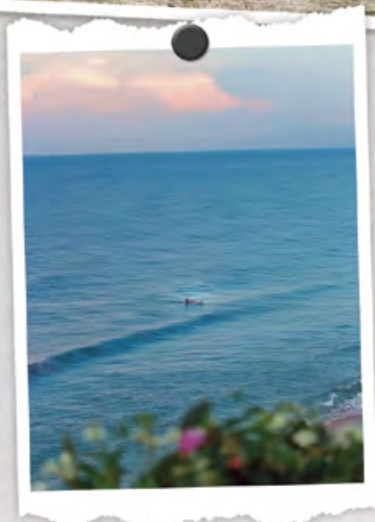
Vinu Thodathilvijayan
S1-MTR



Adarsh R Nair
S3-MCA







Tharun Mohan
S7-CSE



 Raheeb U
S7-CSE



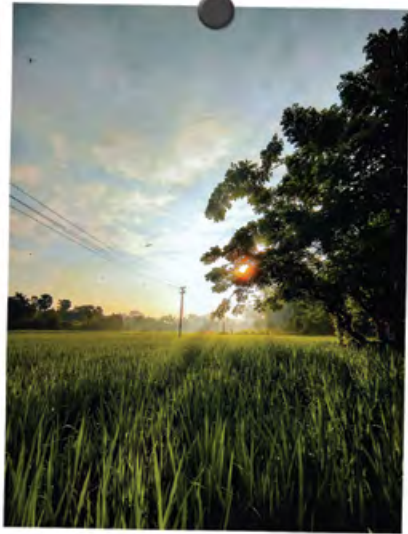
 Dhanush U
S3-MCA



 Midhun K
S3-ECE



 Midhun Madhav K
S5-EEE



Women is considered as the light of family and backbone of world and society. Gender based inequalities and femicide practices plays a prominent role, even in the era of digital civilisation. Violence against women is a growing concern throughout the region and permeates every aspect of women's life from birth to death. One among the three women has experienced some sorts of violences, which is institutionalized through social and economic frameworks, and cultural and religious traditions. My article revolves around the theme of prejudices and economic liberations experienced by women.

Prejudices

and Liberations of Women

FEMINICIDE

Femicide is considered as one of the highlighting prejudice against women, and is better definition as the act of killing women because of their gender. During the pandemic days there was huge increase in femicide practices, which recorded 3.3% increase in women mortality rate. For a case to be considered as femicide there must be an intention to carry out the crime and demonstrated connection between crime and gender of victim. Several femicide activities found from my view are dowry deaths, domestic violences, infanticide and selective sex abortions.

DOMESTIC VIOLENCE

Family institutions is an important part in Indian culture and is central part of countries social and economic framework. Domestic violence is prevalent across the entire country and is unfortunately accepted as a part of human life. The far increase of domestic violence was during Kuwait 19 pandemic, which subject did log down and created traumas physically and mentally.

DOWRY DEATH

Dowry related crisis is often faced by women especially in developing countries. Dowry was a traditional culture practiced from medieval period in which family of bride gives cash and presence to family of groom. It aims at supporting newly married couples

financially on starting a new life. However, India's rising economic demands has turned traditional dowry system to Commercial financing system. Dissatisfactions in dowry has paved the way to violence against women and their suicide attempts.

SELECTIVE SEX ABORTIONS

The practice is prevalent in South Asian States especially in India which prevents a female child from being born purely because they are girls. The increased technologies give rise to parental scannings with make a family to know the sex of the child before they are born. Even in the era of 21st century female child birth is 6.8 million less than male birth due to selective sex abortions. An estimate of 10 million female fetuses have been about it over past two decades.

Adapting to every situation is a common characteristic of female class. Apart from all domestic and wild violences there are women who faced the challenges of life to overcome their own physical and mental traumas provided to them by society and family. Government of India has drawn several measures to achieve gender equality and Gender Empowerment. Role of women in economic development remains highlighted in Indian history.

SELF HELPING GROUPS

SHL groups are prominently found groups in rural sections of society where women of different age group work together to improve

socio economic conditions of women. People belonging to these group often

financial and mental support to women subject to violences and other issues. Reserve Bank of India recognised self helping groups as an alternate credit flow model.

TOY INDUSTRY

Toy manufacturing is one of the most frequently practiced art workspeciality in South Asian States, which is as old as Indian civilization itself. Toy manufacturing too plays an important role in Indian economic growth story, with women at principal position. Time manufacturing increases employment rate and paved a way in the self Relience. In Tamilnadu 'Vilachary 'toy manufacturing is divided between men and women.Men rou it into layers were as women decrease and shapes it. Artistic skills of women which is dominant from men is reflected in this sectors.

MSME SECTORS

During the pandemic base micro, small, medium enterprises guided the way towards achieving Indian dream of 'Atmanirman Bharat Abhiyan' on 'self reliant India'. The role of women MSME sectors including Annapurna scheme,Dena Shakti scheme, pharmaceuticals, beauty parlours, etc... in contribution to GDP growth is also non negligible factors. Women at MSME work place present themselves as executive employees, participates in decision making, services business owners, promotes social economics situation for women workforce and be a pillar for strengthening our society. Apart from work place jobs MSMEs also motivates women entrepreneurs by highlighting success stories and providing opportunities to Aspiring womens with proper guidance.

BREAST CANCER SCREENER

Breast cancer accounts for 14% of all cancels in women and prominent in developed as well as developing countries. There is a strong reluctance in women to come up for breast cancer biopsy test, not only because

of finances pain and privacy but also due to lack of awareness. Breast cancer screening device is an innovation of 'DR. Seema' which is a biggest achievement in medical electronic fields and a motivating factor for many aspiring women to come up with entrepreneurship and relief to rural sections of society with affordable cost. It is available device where the thermistors in the device can detect my new changes in Malignant cells are the very beginning stage.

WILLINGNESS TO SPORTS

Improvement in sports is a challenge to women sections in physical and psychological terms as compared to men in the field. Women sport players from South Asian countries especially from rural areas faces arroganses from society as well as family due to orthodox culture. In the situations to boost of self confidence and intrinsic motivation sport exports and coaches recognise the power of mental training.

Women National players including PV Sindhu (badminton) Mary Kom (boxing) Mirabai Chanu (weightlifting) serves as role models of mental toughness and motivations to ongoing aspirants.

Since, women is a human kind who is encountered with all sorts of exclusion she always tries to include others rather than excluding. Apart from all the prejudices and violences that she face it is the woman who encapsules all her willpower and potential and provide inspirations to future generations.



Greena Sunny
(Associate Student Editor)
S7-ECE



“Educate, Organize, Agitate”

- Dr.B.R. Ambedkar



Nehru Science Innovation and Technological Expo, an Inter College Technical Fest, which involves students exhibiting their inventive talented and innovative projects. NSITE marked its beginning in 2011 and got improved over the years providing more opportunities to young scholars. NSITE 2022 was open to students from all over India to participate, exhibit and compete with their inventions & innovations in major streams of Computer Science, Information Technology, Electrical and Electronics, Electronics and Communication, Mechanical, Mechatronics and Pharmacy. NSITE serves as a diving pool for the True Citizens of tomorrow with a diverse range of competitions and unparalleled technical extravaganza, designing, coding, paper/project presentation, gaming and brainstorming.

NSITE 2k22 started with curtain raiser on December 3rd 2022 with flag off and performance of all departments. A bike rally was also conducted from Pazhayannur to NCERC campus. The motor vehicles were flagged off by Pazhayannur Sub Inspector **Mr. Mohandas**. NSITE-2022 was inaugurated by **Dr. Narayanan Komerath** Professor (Retired), Georgia Institute of Technology Atlanta on 8th December 2022 at Nehru College campus, Pampady. The inauguration ceremony started with the remembrance of our founder, chairman **Sri P. K. Das** sir. The gathering was enlightened with the presence of **Adv. Dr. Krishnadas**, chairman and

managing trustee NGI, **Dr. Krishnakumar**, CEO, secretary NGI, guest of honour **Mr. K. Anil Varma**, Managing Director Varma Homes Pvt Ltd, principals from Nehru Group of Institution Kerala also marked as their presence.

December 8th 2022, on the first day of NSITE the campus witnessed mesmerizing technical and other entertainment events. Students were excited because this was the first NSITE after COVID-19 pandemic. The main attraction of day one was Motoexpo, the combined efforts of every student helped in showcasing a vibrant set of motor vehicles. Varities of cars and bikes were gathered and created mind blowing experience to the viewers. The king of the expo was Dodge. All departments conducted expo to introduce the new technological aspects and history of their branch. 25000 enthusiastic students from 25 schools visited the campus to explore the technical fest and boost their knowledge. Campus provided friendly and energetic atmosphere to encourage them. IEEE members organized an ISRO EXPO, which carried the models of launch vehicles, satellites, etc was rolled out to kindle interest in space science among students and develop scientific temper. The main entertainment events conducted on the first day was horror room by electrical and electronics department, paint ball and buggy ride by computer science



department, go-kart by pharmacy and mechatronics, bmx stunt by pharmacy, futsal by mechanical department and mirror maze by electrical and electronics department. The students were also appreciate treasure hunt, escape room, mystery room, VR, laser tag, fifa arena, zombie apocalyps etc. There were plenty of events also conducted on the first day to mark it as a great success. Day one was shut down with a energetic performance by the band named noodles.

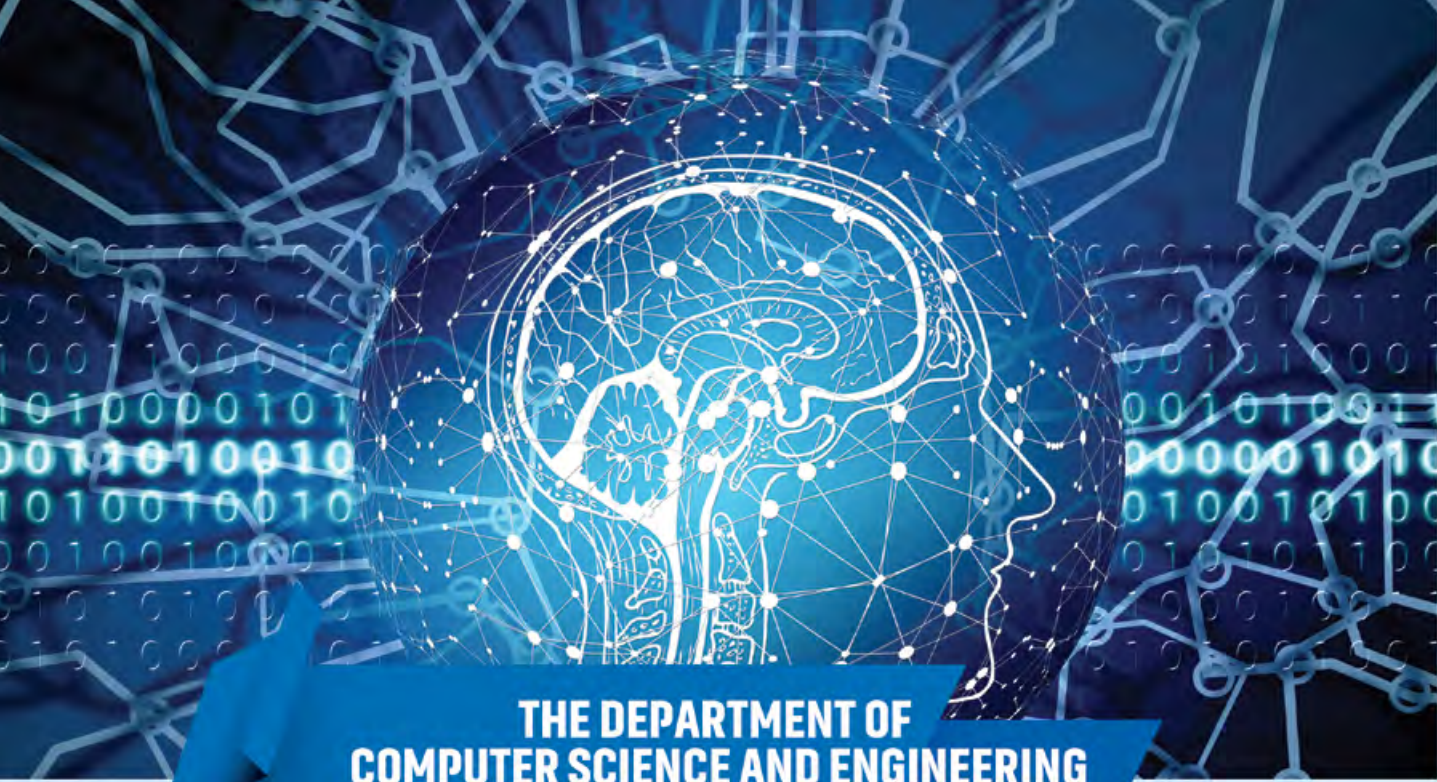
students were participated and exhibited their science projects. 400 students were participated in the talent search, campus witnessed and admired the genius works of talented adolescents. The projects were also exhibited in expo. A valedictory ceremony conducted in the presence of **Adv. Dr. Krishnadas**, Chairman and Managing Trustee NGI, Respected Principal **Dr. Ambikadevi Amma T.**, Chief Guest **Dr. M. C. Dileep Kumar**, Former Vice-Chancellor Sree Sankara University of Sanskrit



Kalady presented cash prizes to the winners and appreciated all participants for their works. A. P. Akshan and Muhammad Arshad from GBHSS Manjeri secured first prize in working model-HSS, Thapazwin Nazeer from Kailasanadha Vidyanikethan for working model-HS, Joel George from Nirmalamatha for science still model. K. T. Anfaz Navaz and Pranav P Nair of Bapuji English Medium School won first prize

Second day, 9th December 2022 also started with the same vigor. Expos of various departments and ISRO continued on this day too. Events like horror room, escape room, futsal, mirror maze, bmx stunt and other events was also successful. In connection with NSITE "science talent search" also conducted in which high school and higher secondary

for maths working model, for maths model Ananda Sivan and Krishna Prasad from Vyasa Vidyalaya and V. M. Afzal and Adarsh Prakash from GHSS Chalissery. The function glorified with the presence of Guest of Honour **Dr. K. S. Kripakumar**, General Manager/Joint Director, Direct Industries Center, Thrissur. With a sparky DJ night NSITE 2k22 came to an end.



THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

The Department of Computer Science and Engineering was established in the year 2002 with the mission to educate students from all over India, including those from rural areas, so that they become enlightened individuals, improving living standard for their family, industry and society. In 2002, the department is started with B. Tech of single batch with sanctioned intake of 60 students. In 2014, department is grown up with the sanctioned of 120 students of 2 batches. The department is accredited by NBA In the year 2022. One of the most sought after courses amongst engineering students, Computer Science and Engineering (CSE) is an academic programme which integrates the field of Computer Engineering and Computer Science. The programme, which emphasises the basics of computer programming and networking, comprises a plethora of topics. The said topics are related to computation, algorithms, programming languages, program design, computer software, computer hardware, etc.

2019-23



Computer Science is a relatively young discipline of research. Still, the first roots of computers — as machines that enhance our own thinking - go back more than a century. Alan Turing set the mathematical foundations of computing with the concept of Turing Machines. Turing was not only a brilliant theoretician, but also looked at very practical applications, such as for cryptanalysis (you might have watched the movie *The Imitation Game*); Turing is also considered a pioneer of Artificial Intelligence, an area that has gained much attention recently, not only within the research community, but also in the daily news. Think about self-driving cars, AI-driven medical diagnostics and personal health, face identification, or natural language understanding. John von Neumann was a brilliant mathematician, who developed the concepts of cellular automata, the universal constructor, and was a pioneer in digital computer architecture. We are still talking about the von Neumann architecture as the forefather of modern chips, which are now at the heart of our modern-time computers: think of smart phones, tablets, or smart watches. It should also be noted that many women have contributed to the discipline of computing and algorithmic machines such as Ada Lovelace, Grace Hopper, Frances E. Allan, and many, many more (see, for example, for more details: *Women in computing* - Wikipedia)

Therefore, even looking back at the origins of computers, Computer Science always had the aspiration to go way beyond “coding”. It has always been more than just writing programs to make machines perform algorithms. Computer Scientists are problem solvers. Computer Scientists create communities. We help to build the infrastructures for social networks; we also work on solutions to protect our personal data; make data communication secure across a wide variety of “communication networks”; we build solutions to visualize information; we work on tools that help to make decisions by asking smarter questions, and bring more and more data into our decision making.

With computers - as smart tools to help us think - we have to rely less on guessing. We can support our decisions by data. This is becoming more and more important in our increasingly digital economies. Hence, Data Science is a new area of research where we use computational tools to gather data, filter them, separate noise from useful information, and create knowledge - from which we can make better decisions and build smarter, enabling tools for our daily lives and to support our professional endeavours.

Join us, and become an ambassador of Computer Science. Learn more about Computer Science as a student; we love to share our passion with you. Learn how to not only use computational tools, but how to work in teams, share ideas, present, communicate - in short, join creative teams that make a positive difference.

Work with us if you are an entrepreneur or partner with us to enhance our digital economy, or let us help you solve challenges in your industry.

Following our Faculty of Science's motto “Curiosity Drives Discovery”, we as Computer Scientists create computational “Discovery Tools” and “Think Tools”.

Welcome to our world.

Head of the department
Computer Science & Engineering



The Department of ECE was established in 2002 with an intake of 60 students for undergraduate (B.Tech) programme and enhanced to an intake of 120 students from 2006. The department offers two Postgraduate (M.Tech) programmes, namely, "Applied Electronics & Communication System" from 2011 with an intake of 18 students and "VLSI Design" from 2012 with an intake of 18.

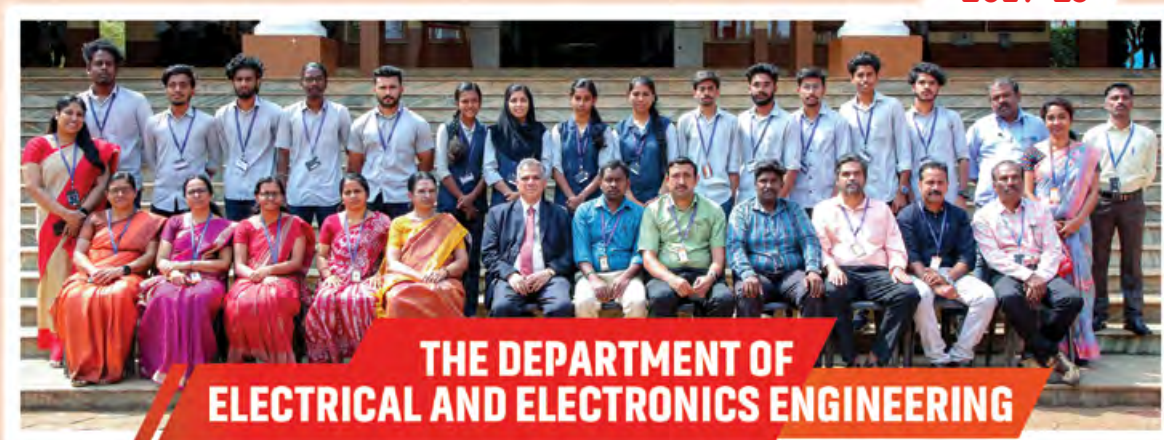
Highly qualified, experienced and dedicated staff members are the backbone of the Department. The Department always strives hard to satisfy the knowledge thirst of both students and faculties by organizing workshops/technical talks/conferences and so on. The faculty members are actively involved in research work and regularly present/publish their work in various national and international conferences/journals. The ECE Department is proud to host state-of-the-art Laboratories in the area of VLSI, Embedded Systems, Microprocessor and Microcontrollers, Circuits, Analog and Digital Communication and Microwave and Optical communication.

The ECE department formally inaugurated the ECHOS (The ECE Association) in 2009 and under this banner many extra-academic activities have been conducted such as paper presentation, quiz competition, workshops and seminars. Also the department has two magazines that have been developed on the basis of the creative skills of our imaginative students. There is an Embedded Club that meets on monthly basis to discuss innovative projects and publication based activities. Department is closely associated with INSTITUTE OF ELECTRONICS AND TELECOMMUNICATION ENGINEERS (IETE) Palakkad Centre to organize technical events like guest lecture, seminars and conferences.

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The college magazine is a canvas to portray the talent of student and faculty members other than curriculum. I am happy to know that NCERC is bringing out it's current academic year edition of the college magazine "Mushrooms". A weak link is better than a strong memory. Nothing exemplifies it better than the nostalgic feeling one gets when leafing through the dusty old pages of his/her college magazine. It is my pleasure to congratulate the entire team of "Mushrooms" that has taken the initiative for producing this magazine. It is great to find a considerable number of articles, poems etc that certainly prove that our staff and students are adequately equipped and possess necessary skill sets to express their talent. Reading this magazine would definitely be an inspiration and motivation for all students and staff to contribute even more to the forthcoming issues. The magazine plays an instrumental role in providing exposure to the students to develop written communication skills and command over the language. It is a step towards building professional and ethical attitude in them. I hope that everyone would continue to give their full efforts to keep the momentum and continue to enhance the standards of the magazine.

Head of the department
Electronics & Communication Engineering



Electrical Engineering is at the forefront of the newest technology. The discipline has moved beyond wires and circuits into cutting-edge technology. The Department of Electrical & Electronics Engineering was established in 2004. Department offers B.Tech. Electrical and Electronics Engineering with an intake of 60 plus and M.Tech in Power Electronics and Mtech in Energy system with an intake of 18 each . The department head has a vast industrial and teaching experience and is ably supported by well qualified vibrant faculties and non-teaching staffs.

The academic offering is focused on the theoretical and practical aspects of Electrical Machines, Control Systems, Power Systems, Electrical and Electronic devices & circuits, Instrumentation etc. Electrical & Electronics Engineering Department conducts career developing, interpersonal and intrapersonal skills of students. It organizes Seminars, Quiz Programmes, Industrial Visits, Paper Contests, Group Discussions, Guest Lectures, Games etc under its auspices.

The students are encouraged to present papers and to participate in seminars conducted in other engineering colleges. Industrial tours are arranged for students to obtain an exposure to industries.

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“All of us do not have equal talent. But, all of us have an equal opportunity to develop our talents.”

- A.P.J. Abdul Kalam

It is my pleasure and honour to welcome you to the Department of Electrical and Electronics Engineering department of Nehru College of Engineering and Research Centre(NCERC). Electrical and Electronics Engineering department , NCERC, is a matured department with excellent team work and good coordination amongst faculty and technical staff, experienced faculty with expertise in all major disciplines of Electrical Engineering, young faculty group pliable to changing education scenario and new technology, student friendly environment with easy and always accessible faculty team for students and excellent infrastructure fitting to accommodate 120 plus students per academic year. From the inception the department works with unceasing commitment to our students, helping them to learn, grow, develop, and achieve their goals in their pursuit to excel in their professional career.

On behalf of the department I wish you a very cherishing educative journey of completing your graduation and post graduation in our program.

Best Wishes

Head of the department
Electrical & Electronics Engineering



THE DEPARTMENT OF MECHANICAL ENGINEERING

The department of Mechanical Engineering was established in 2002. It is equipped with state-of-the-art workshops, laboratories and computing facilities. The department has highly qualified and experienced faculty members. Approved by AICTE- New Delhi and Accredited by NAAC, Affiliated to the University of A P J Abdul Kalam Technological University, Kerala. The faculty members actively engage in research and constantly publish papers in International and National Journals. Guest lectures and industrial visits are periodically arranged for the students to enhance their curriculum. It strives for all round excellence in students, encouraging them in all extra-curricular activities. In alignment with the vision of NCERC, the department also fosters creative thought process and provides opportunities to our students to think out of box in order to mould world class professionals, capable of contributing to the welfare of the society.

Mechanical Engineering is one of the oldest and broadest of the engineering disciplines. Mechanical engineering is a professional programme which helps students to understand the working mechanisms of heavy tools and machineries. Further it involves in the design, production, and operation of machinery. This discipline is the application of engineering physics, engineering mathematics, and material science. Which principles to design, analyze, manufacture, and maintain mechanical systems.

The mechanical engineering field requires an understanding of core areas including mechanics, dynamics, thermodynamics, material science, structural analysis, and electricity. In addition to these core principles, mechanical engineers use tools such as Computer-Aided Design (CAD), Computer-aided Manufacturing (CAM), and product lifecycle management to design and analyse manufacturing plants, industrial equipment's and machineries heating and cooling systems.

Today mechanical engineers are pursuing developments in such areas like composites, mechatronics, and nanotechnology. It also overlaps with aerospace engineering, metallurgical engineering, civil engineering, electrical engineering, manufacturing engineering, chemical engineering, industrial engineering, and other engineering disciplines to varying amounts.

Mechanical engineers may also work in the field of biomedical engineering, specifically with biomechanics, transportation & routing, aircraft, watercraft, robotics, medical devices, weapons, bio-mechatronics, bio nanotechnology, modelling of biological systems and rapid prototyping.

Nehru College of Engineering and Research centre is having a facility to train students in CNC Machines, CAD and CAM with latest Design, analysis and modelling software. Our instrumentation lab is equipped with modern measuring instruments.

Head of the department
Mechanical Engineering



THE DEPARTMENT OF MECHATRONICS ENGINEERING

NCERC is the first institution offered the Mechatronics Engineering since 2013 (Approved by AICTE New Delhi and Re-Accredited by NAAC and Affiliated to the University of A P J Abdul Kalam Technological University). Mechatronics engineering programme is accredited by NBA and department provides a platform to create and apply knowledge by thinking and doing in this rapidly changing world. We aim to provide our students with a perfect blend of intellectual and practical experiences that helps them to be a King of industrial automation.

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Welcome to the department of Mechatronics Engineering, Nehru College of Engineering and Research Centre, the esteemed Institution, Pampady, Kerala.

The department of Mechatronics was started in the year 2013, with annual intake of 60 students.

The department boasts of well qualified faculty who are all dedicated to teaching and research, making a difference in students' lives and transforming them as good Engineers. The department is committed to impart quality education through regular class room teaching and guest lecture, nurturing the innovative ideas of our students. The department encourages our students to participate in extracurricular and co-curricular activities.

Our department has excellent infrastructure and lab facilities, strives towards excellence in the field of ROS applications. We have Mechatronics association, which constantly encourage and motivate students and faculty to conduct and participate seminars, conferences, workshop, go for internship, and to participate themselves in industry interactions. The department encourages both staff and students for research and development activities, to participate in sports and cultural activities, also providing value added courses towards excellence in this field. The students of Mechatronics have been recruited by renowned companies control, robotics, intelligence and automation industries.

In a nutshell, the department is working in the direction of shaping up the students to make them global competitive technocrats and good Samaritans of our country.

Head of the department
Mechatronics Engineering



2021-23



THE DEPARTMENT OF MASTER OF BUSINESS ADMINISTRATION

Nehru School of Management is not just a B-Schools, but it is daringly different from the rest and it is ranked among the leading B-Schools in national level grading service. Located in a separate PG Block-Kapila with own library, reading rooms, computer lab, yoga room, seminar halls, and state of the art air conditioned lecture rooms, Nehru School of Management established in the year 2004 with an intake of 60 students. Students can specialize in the field of Marketing, Human Resource Management, Finance and Systems at their choice. As value additions, students can avail certification from professional bodies for logistics management, Retail Management, Systems and Investment Management. Add on programmes are offered on focused topics to benefit the students for placement and career prospects. NSM plays a major role in shaping the students mind and life to become excellent individuals as well as trained future managers of the corporate world. NSM believes and strives to achieve a holistic development of the individual who will contribute in future not only as good managers but also as disciplined corporate citizens. The pedagogy is designed for proactive student interaction. The course delivery system is well composed of case analysis and presentation, group discussion, seminars, assignments, live industrial projects, quiz and soon. We consistently encourage our students to leverage the unparalleled resources of the School of Management, and APJ Abdul Kalam Technological University to add value to their MBA.

MBA PROGRAM @NSM, NCERC

Our MBA program is designed to prepare students for leadership roles in a rapidly changing business landscape. We have updated our curriculum as per APJ Kerala Technological University to include courses in emerging technologies, sustainable business practices, and data analytics. Our students have also been engaged in new areas by providing them with real-world experience and valuable networking opportunities. Students here get holistic view of education and overall exposure of the corporate world. The mission and vision statement itself signifies the same. The mission statement of Nehru School of Management is viewed as “To evolve and sustain the business school as a vibrant institution of excellence in management education for the development of talented and efficient leaders who will be having values of entrepreneurship, upright and social responsibilities”. Thus, NSM is a leading in the field of Management education by imparting them excellence and transform them managers, entrepreneurs with high social responsibilities. With this foresighted view, NSM was established in the year 2004 and has been moving pace with modernisation and technological transformation since then. With modern sophisticated teaching tools and aids students of NSM gain strength in learning. The spacious classrooms, magnificent buildings, fantabulous facilities feel them convenient in the process of learning. We in the NSM making them to feel learning is a joy and fun.

We also have a number of exciting events planned throughout the year, including guest lectures, alumni reunions, and networking events. These events

provide students and alumni with the opportunity to connect with industry leaders and learn from experts. Programmes in line with was Thrissur Management Association (TMA). A Memorandum of Association was executed in the grand function and finally students were given a talk on the emerging area on “Digital Currency”. The initiative was taken within few days after Reserve Bank of India introduced Digital Currency. It was a flagship program. This really depicts that NSM is always continuously taking proactive measures to enlighten the students with recent developments.

Nelson Mandela says that Education is the most powerful weapon which you can use to change the world. We in NSM the education system is offering more freedom and poised with unique kind of blended system with electives and add-on course. It is catering the needs with changing trends in the corporate. Electives what the students choose is based on the freedom and passion while add-on course is to like sharpening the axe i.e., adding extra knowledge on the filed they choose. In recent year NSM facilitated Add-on course on Health Care Management with the assistance from PK Das Institute of Medical Science, a top ranked institute of health science for 36 hours from July 1st, 2nd, 4th and 5th 2022. Similarly, Transformation talk -a unique kind of talk was delivered to the students by experts. In the year 2022 three such programs were organised on 18.01.2022 by NSM Alumni Mr. Pravind K from WIPRO.

In align with mission and vision of NSM, it is always keen on unleashing the potential of students by conducting various competition and programs. Many such

programs were initiated by the faculties and propelled by the students themselves. The competition on E-Card Greetings Day Celebration was organised on 29th November 2022 to bring out their talents. Two best designed greetings were selected and they were honoured with prize. Similarly National Consumer Rights Day, Soil Day, Kerala Piravi Day, Worlds Aids Awareness Day, Human Rights Day and Christmas and New Year Celebration were organised on various occasions by the students themselves. It is to gain them leadership quality and team work.

NSM is not only concentrating on studies, it is having high interest on mental stability and emotional quotient of the students' community. A program on International Mental Health Awareness Meet -2022 was organised with Dr. Rahu Ragavan, Professor of Mental Health, Director of Mary Seacole Research Centre, De Montfort University, Leicester, UK as a resource person on 21st October 2022.

In addition to the programs mentioned above, we are also hosting a number of events throughout the year, including guest lectures, alumni reunions, and networking events. Nation Level Webinar on students Guide to Research was conducted on 25th May 2022. To motivate them on research. Similarly Alumni reunion was initiated by NSM for 2020-22 batch and they were in merry with Cultural Activities.

Our Entrepreneurship Centre continues to provide students and alumni with resources and support to launch and grow their own businesses. This year, we are hosting a series of workshops and events featuring successful entrepreneurs who will share their experiences and insights to students faculties. . Kerala Technological University sponsored program on Social

Entrepreneurship Management for Management from 23rd to 28th January 2023. It was inaugurated by Fr. Joseph Justin K C, Executive Director, People's Service Society, Palakkad. The program was a grand success as it was attended by Faculties from various institutions. The resource persons took a deep drive on various aspects of Social Entrepreneurship Management. The eminent resource persons are Dr.Pon Meenakshi, Professor & Head, School of Management, Sree Krishna College of Engineering, Dr. Devi Premnath, Associate Professor, Janson School of Management, Coimbatore, Dr. Saravanan Murugan, Associate Professor, PSG College of Arts and Scienncce, Dr. K.Parimalakanthi, Associate Professor, Department of Commerce, Sri Krishna Adithya College of Arts and Science, Coimbatore and Dr. Pravan K A, Assistant Professor, REVA Business School, Bangalore. Similarly NSM with NCERC organised a program by inviting Metro Man Er. E. Sredharan, Director of Delhi Metro Rail Corporation(DMRC), Padma Vibhushan on 16th January 2023 and shared his managerial technical knowledge and experience with students.

Industrial visit is an inevitable part of Management Studies. We believe that industrial exposure is essential for the development of business leaders. Our study programs provide students with the opportunity to learn about business practices and cultures in different industries. Every year, we are expanding our study programs to include new industries for industrial visit. In the year 2022students were taken to Hyderabad Parley-G to get wide industrial exposure and lean business practices. Public Sector Company Bharat Earth Movers Limited (BEML) on 05.11.202 was also included for the visit. Similarly small-Scale Industries were also exposed

to students. Industrial Visit to POABS-A tea Estate was on 10.06.2022 and Good-Buy Soap on 02.12.202 were excellent, rewarding and wonderful experience for them.

Besides Industrial visit students are subjected to internship to gain Realtime experience, for which a meaningful a meaningful internship to build a strong foundation to the career of students. They have undergone one and half months intensive and rigorous training in industries of their choice. It creates a positive impact on their career.

A Management Institution indeed needs to have Memorandum of Understanding for regular enhancement and revitalize itself. In align with this, NSM executes MoUs regularly. During this academic year MoU with Thrissur Management Association and Indian Council of Agricultural Research – Central Subtropical Horticulture were the predominant one.

An educational program will not be a complete one if proper placement not be given to the students. NSM is not sceptical itself on its functions, it further and farther propels itself in all aspects. We have partnered with leading companies to provide job and internship opportunities, as well as career counselling and coaching. With regard to placement, it excels itself to the utmost satisfaction of the students who are pursuing the program. Many of the students bagged more than two opportunities before completing their program in top tier companies, naming few are Bharathi Airtel, Amazon, Axis Bank, INFOSYS, TCS, WIPRO and Joy Technologies. To prepare the students for such placements, they were offered wonderful placement trainings were offered regularly. Continuous and intensive placement training programs

were organised for them, more specifically for one week from 26th September to 01st October 2021 and subsequent years.

Last but not the least there are proud moments for NSM. It was honoured with World Education Congress Award for outstanding Academic Institution. It is one more feather on its crown. The details of the Award were available in the magazine "Business Today" of November 13th, 2022 issue.

Strong mind needs strong body. In order to strengthen the physique of the students, they were given all kind of opportunities including gym facilities, playground and the like. To commemorate Qatar FIFA World Cup Football-2022, students of NSM has created a craze like tournament. They exhibited their strength not to derive joy but discussed wining strategies of different team of world cup. Besides that as in previous years, KARMA-2022 was organised for two days on 19th and 20th May 2022. This a program to encourage the students to make them to actively patriciate in an extrovert manner. The program was inaugurated by Mr. Mani, Chairman of MILMA, Kerala. These programs were not only for fun loving but thought provoking too.

Finally, we would like to cite that NSM is not producing mere Certified Managers; but of creating Complete Citizens., who would pragmatically excel in all strata of Professional, Personal and Social life. We accomplish a Holistic approach for Student Development. Academic excellence alone cannot assure success and happiness in life or career. Holistic development refers to the overall development of Cognitive, Creative, Physical, Emotional and Social abilities.

Head of the department
Master of Business Administration



Master of Computer Applications programme is a TWO-YEAR course of intensive theory and practical work. It is spread over a period of four semesters which enables the students to get familiar with the usage of Computer using latest programming languages and large number of Applications. The course also develops the capabilities of the students in preparation of System software. The students undergo at least one minor project to familiarize with software development processes. They also present at least One General Seminar to embrace with novel technological patterns. The placement cell helps students in finding suitable placements. During the 4th semester, students generally network with the industries and implement a real time project which is directly useful to the organization concerned.

Applications play a vital role in all Computer domains as it is an end-user program that enables the users to do many things in an Information system. These applications form the core of any Computer based modus operandi systems. Today in digital era, We live in a world of diversified apps..! Lifestyle apps, Social apps, Entertainment apps, Communication apps, Governance apps.. At this point, applications are an integral part of our daily lives; Applications which allow performing explicit tasks are available for PCs, Mobile devices & Media platforms. Master of Computer Applications programme is a perfect blend of intensive theory and practical work, which enables the students to get familiar with the updated Computational conventions using latest programming methodologies and large number of Applications.

MCA department of NCERC has always stood on a different dimension working on a holistic path of Student Empowerment and comprehensiveness. Whether it goes in Curricular or Extra-Curricular paths, the MCA team always had a notion to serve the path, by taking a different track of travelling.

MCA proved its mettle by defining the first e-Conference in state of Kerala named NeCTAR. During Covide-19, when the regular tracks of academics faced a temporary halt, teamMCA roused above the situation, by initiating an International Conference. The aim was to create a platform for all Researchers, Students and other Stakeholders to come together, discuss, and share their ideas even during lockdown period. Accordingly emerged NeCTAR.. the 'Nehru e-Conference on Technologies Annexing Reality'. This was first initiated during Lockdown in Apr2020 and was soon rated as the Kerala's first e-Conference. Successful versions 2 and 3 were conducted with hybrid mode participation in year 2021 and 2022. Today, this is a brand event of teamMCA.

nAppIER: nAPPIER is created as a simple platform that would facilitate content sharing for a closed group, say a class/department of students or a Community/Family. The project was devised as generic, customizable and even as a low cost project. The platform was devised

as a light-weight component that could rather be an open access model to the stake holders who could link using a web address or APK file.

nPods: Nehru Podcasts was devised as an Application that supports Educational Podcasting Series. Providing a powerful blend of storytelling, Academics and entertainment, Podcasts are fast becoming one of the world's most exciting mediums for the exchange of ideas. Through a totally different flavour.. nPods put a spotlight into this novel fragrance of Professional Learning Method.

Prayaana: PRAYAANA is an Annual Inter Collegiate Technological Meet being organized by the Department of MCA@NCERC, since 2009. 14th successful versions of the meet was conducted in 2022. Participation of Creative Students from various colleges made the event active and efficacious.

Major Programs of Prayaana were

Avabodha: Quiz

YanthraBhaasha: Coding Contest

Chakravyuha: Gaming

Pizada Magazine Release

Reflections: MCA Alumni Meet

Dhwani Award for Best MCA Student 2021(initiated by MCA alumni)

KalaPrabha: Cultural Event

Pizaada: To make our tech-opinions heard, MCA department devised a technology magazine Pizada., inspired from a Spanish word meaning Footprint. To lay the literary footprints in the marvellous dawn of technology, Pizada gets published annually. 14th version came out in 2022, with contents collected from our Students and Faculty members.

CSR initiative of teamMCA : Man is basically a social being. One of the major principles of education is to inculcate this idea in the hearts and minds of the pupil, and mould them to act upon his/her social responsibilities... Making this as a motivation, Department of MCA stuffed up its Semester Action Plans, so as to include Visits to institutions like Orphanages, Rehabilitation centers, Old age homes etc., to make students aware of the subjugated in the society and help them, in all possible ways, thereby cultivating sympathy and compassion in students' mind. Last two years, we celebrated our X'Mas in Thanal Balasramam and Prasanthi Ammaveedu; Our faculty team and students spent a whole day there, preparing food and organizing cultural programs for the inmates.

Book Publication : Department of MCA tries to create a new culture, of publishing books by Faculty Members. It's not just about an Authorship credit for the members, but a contribution to the learning community as a whole. We believe that this culture would definitely bring out a positive vibes among Faculty, Student community. The acceptance of our 3 books by the student community stands as a pillar of proof for the same. Business Management in a Nutshell, E-Commerce Essentials and Impacts on Covid divide were three books which were published by the department last year. 7 other books are in Pipeline. MCA students were trying to make their humble contribution towards this noble venture, by donating the books so published to the College Libraries. NCERC Media & Publication Division stands as a strong pillar for the venture..

Patents, Copyrights and Trademarks : Innovation has to be at the forefront of all processes. Absorbing the concept of registering the Inventions/Research works being listed as Patents, the Faculty Members of MCA has brought a novel notion to focus more on IPR activities. As a result the Department has now been a part of 12 IPR filings in last year, including Indian, German and Australian Patents.

Head of the department
Master of Computer Applications

തിരികെ

"Back to Yesterday....."

“ ഓർമ്മകളുടെ വരാന്തയിൽ ഒന്നുകൂടിയില്ലേ...
 ഓരോ കാലഘട്ടവും നിന്നെലൊർക്കുന്നു...
 ഒഴിഞ്ഞുകിടക്കുന്ന ബഞ്ചിൽ ഒറ്റക്കിരിക്കുന്നു...
 നിന്റെ തിരിഞ്ഞുനോട്ടത്തെയും നോക്കി പുഞ്ചിരിക്കുന്നു..! ”





Sarang

The Music Band

"Music is a universal language that connects people from all walks of life. The college music band not only showcases the incredible talent of our students, but it also brings us together as a community, creating moments of joy and harmony that will last a lifetime."





In the hallowed halls of academia...



Rahul Ramkumar
(Student Editor)
S7 - CSE

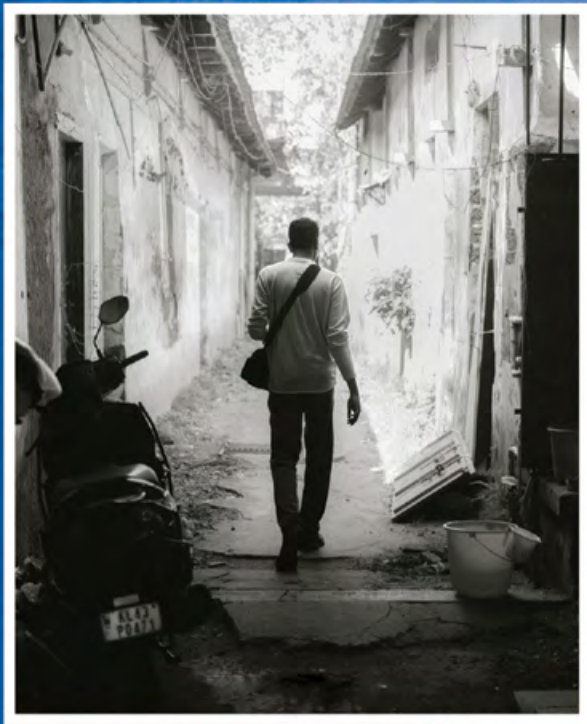
In the hallowed halls of academia
Where knowledge is imparted and dreams are born
There exists a place of pure euphoria
Where love can flourish and hearts are adorned

It starts with a chance encounter
A smile, a laugh, a shy hello
and before you know it, you're in a venture
of emotions and feelings that start to flow

You stay up late studying together
Sharing secrets, hopes, and fears
You walk the campus in all kinds of weather
Just to be near each other, year after year

And as you graduate and go your separate ways
You'll always remember those college days
When love was new and your hearts were ablaze
With a passion that will always stay

If it makes you happy



If it makes you happy,
Believe in mermaids,
Wear fuzzy socks through every season,
Take pictures at sunset,
And eat pasta straight from the pot.

If it makes you happy,
Walk in the rain,
Read books on staircases,
Dance to your favorite song at three am,
And have a stay at home day.

If it makes you happy,
Drink hot chocolate in July,
Watch airplanes fly across the sky,
Count the stars on a night out,
And make a to do list for tomorrow.

If it makes you happy,
Follow your dreams,
And love with all your heart
Because you deserve to choose yourself,
And light up your own world.



Tharun Mohan
(Associate Student Editor)
S7-CSE



കാഴ്ച

മണം പടർത്തുവാൻ എനിക്കാവതില്ല
 മധു നുകരുവാൻ മധുപങ്ങളില്ല
 മധുവൂറും സ്വപ്നങ്ങൾ മാത്രം
 മതിവരുവോളം കൂടെയുണ്ട്.

മോഹിക്കുന്നു ഞാനാ
 പെൺകിടാവിന്റെ വാർമുടി
 ചുരുളിലണയാൻ
 മോഹങ്ങൾ മനസിലൊതുക്കുന്നു.

പുത്തു നിന്ന വഴി ഏതെന്നറിയില്ല.
 വിജനമായ ഏതോ ഒരിടം
 തളർന്നിതാ മുഖം
 തേടിയാരും വരുവാനില്ല

മറന്നീടുന്നു ദുഃഖങ്ങളെല്ലാം
 മറന്നീടുന്നു പോരായ്മകൾ
 പുഞ്ചിരി തുകി പിന്നെയും
 പുത്തു വിടരുന്നു.



സിനിമാ മോഹവുമായി നടക്കുന്ന കുറച്ച് ചെറുപ്പക്കാരുടെ സ്വപ്ന സാക്ഷാൽക്കാരത്തിലേക്കുള്ള ആദ്യപടി എന്നോണം സൃഷ്ടിക്കപ്പെട്ട ഷോർട്ട് ഫിലിം ആണ് കുപ്പി . നിധിൻ ഗോപി കാമറ്റത്തിൽ കഥയും തിരക്കഥയും എഴുതി ആദർശ് R സംവിധാനം ചെയ്ത കുപ്പി 2021 നവംബർ 7 ന് യൂട്യൂബിൽ ഉദ്യോപ്യൻ ഫാൻസീസ് എന്ന ചാനലിൽ ആണ് റിലീസ് ആയത്. സംവിധായകൻ തന്നെയാണ് എഡിറ്റിംഗ് നിർവ്വഹിച്ചിരിക്കുന്നത്. കല രാഹുൽ വിജയം സിനിമാറ്റോഗ്രഫി രാഹുൽ കൃഷ്ണയും കുപ്പിയെ അതിന്റെ പൂർണ്ണതയിലേക്ക് എത്തിക്കുന്നതിൽ പ്രധാന പങ്കുവഹിച്ചിരിക്കുന്നു. കൃപാസാഗർ, നിധിൻ ഗോപി, ബിനു കുര്യൻ, അമൽനാഥ്, കൃഷ്ണപ്രിയ എന്നിവർ പ്രധാന കഥാപാത്രങ്ങളെ അവതരിപ്പിച്ചിരിക്കുന്നു.

ഒരു ലോക്ക് ഡൗൺ കാലഘട്ടത്താണ് കഥ നടക്കുന്നത്. വലിയ ചിത്രകാരനായ ഒരാളും അയാളുടെ വീട്ടിൽ പേയിംഗ് ഗെസ്റ്റ് ആയി താമസിക്കുന്ന ഉണ്ണി എന്ന ബന്ധുവും. പി. എസ്. സി. പഠനത്തിനായി ബന്ധുവിന്റെ വീട്ടിൽ വീട്ടുകാരുടെ സമർപ്പം മൂലം താമസിച്ചു പഠിക്കുകയാണ് ഉണ്ണി. ചിത്രകാരൻ വീടിന്റെ മുകൾ ഭാഗത്തും, ഉണ്ണി വീടിന്റെ താഴെയും ആണ് താമസം. ഉണ്ണിക്ക് വീടിന്റെ മുകളിലേക്ക് പ്രവേശനമില്ല. ഉണ്ണി ഒരു മദ്യപാനി കൂടിയാണ്. ആ ലോക്ക് ഡൗൺ കാലത്ത് മദ്യം കിട്ടാതിരുന്ന സമയം, എന്നാൽ എന്നും രാത്രി മദ്യപിച്ച് ഉന്മത്തനായി നടക്കുന്ന ചിത്രകാരനും. ചിത്രകാരന്റെ റൂമിൽ ആവശ്യത്തിലധികം

കുപ്പികളുണ്ടെന്ന് മനസ്സിലാക്കുന്ന ഉണ്ണി തന്റെ കുട്ടുകാരൻ കൃപയെയും കുട്ടി ചിത്രകാരന്റെ മുറിയിലെ കുപ്പികൾ മോഷ്ടിക്കാൻ തീരുമാനിക്കുന്നു. അങ്ങനെ ചിത്രകാരൻ പുറത്തുപോകുന്ന സമയം നോക്കി കൃപയും വീട്ടിലെത്തുന്നു. അവർ ആ മുറിയിൽ കയറുന്നതും പിന്നീട് നടക്കുന്ന രസകരമായ സംഭവങ്ങളും ആണ് കുപ്പിയുടെ പശ്ചാത്തലം. പതിയെ തുടങ്ങി താളത്തിൽ എത്തുന്ന കുപ്പി ഒരു ഗംഭീര സസ്പെൻസും സമ്മാനിക്കുന്നുണ്ട്. കുട്ടുകാരൻ കൃപയായി കൃപാസാഗറും, ഉണ്ണിയായി നിധിൻ ഗോപിയും ചിത്രകാരനായി ബിനു കുര്യനും അഭിനയിച്ചിരിക്കുന്നു. അമൽനാഥും കൃഷ്ണപ്രിയയും മറ്റു പ്രധാന കഥാപാത്രങ്ങളെ അവതരിപ്പിച്ചിരിക്കുന്നു.



Nidhin Gopi Kammatathil
M. Tech, ECE



കുപ്പി, ഒരു അസാധാരണ കഥ
KUPPI, An Unusual Story
UTOPIAN FANTASIES

THE NEXT GENERATION OF REALITY WHICH MADE BEYOND THE SCI-FI



Metaverse is a term often hearing from around various disciplines. Why is it relevant? What is the reason behind the boom? Is it the future?

To a certain extent, talking about what “the metaverse” means is a bit like having a discussion about what “the internet” means in the 1970s. The building blocks of a new form of communication were in the process of being built, but no one could really know what the reality would look like. So while it was true, at the time, that “the internet” was coming, not every idea of what that would look like is true.

The sci-fi writer Neal Stephenson coined the term Metaverse in 1992 in his science fiction novel Snow Crash, where humans, as programmable avatars, interact with each other and software agents, in a three-dimensional virtual space that uses the metaphor of the real world. As per Wikipedia, is a network of 3D virtual worlds focused on social connection? In futurism and science fiction, it is often described as a hypothetical iteration of the Internet as a single, universal virtual world that is facilitated by the use of virtual and augmented reality headsets. People are under the impression that Zuckerberg and Meta own virtual reality, but it's not true. The metaverse is wide open, similar to the internet.

The shift that Big Tech has spotted is obvious: Over the past few years people have started spending much more time online. The Covid-19 pandemic accelerated that vertiginously. For the white-collar workers who were asked to work from home, the office instantly shrunk to the size of a screen. Free time, for identical reasons, was also forced to find digital alternatives.

The emergence in technologies like blockchain, augmented reality (AR) and virtual reality (VR) put forward a new vision to create a virtual world where people could

interact in a way as the real world works in addition to control and authority to modify their metaverse. Even though metaverse is far future an entity can create a virtual world according to their imagination or beyond that. All the transactions are recorded using blockchain technology which gives a freedom as well as security for the digital assets. People can showcase their NFT's and other digital assets with ownership which they have purchased for a huge sum.

Developing a metaverse is similar to developing a 3D Virtual reality game, using tools like, Unreal Engine of Epic Games, Maya by Autodesk and Amazon Sumerian. As even with free content, you have to keep track of authors which is being done by the blockchain technology. There are several Ethereum-based virtual world where players can explore, purchase virtual land, and interact with other gamers. In-game items, such as clothes and land, are structured as NFTs and can be traded. The infrastructure for Metaverse is defined by connectivity technologies like 5G, Cloud etc. The key piece of puzzle that's missing out in the way into the metaverse is the specific equipment's required to be in virtual world and the 5g network which has not been even rolled out in major number of countries.

The initial release of the Metaverse will have the features like giving ability to users to create their avatars in the space. Users will have the authority to create/change their verse according to their interests also to invite other people to their space and interact with each other. There are many more features to come in future iterations, the most significant one being making trades based on voice commands inside the space.

Even during the development with all the limitations we have seen a couple from Tamil Nadu brought tradition and technology together when they hosted their wedding

reception in the metaverse. Dinesh SP and Janaganandhini Ramaswamy got in Sivalingapuram, a small tribal village of Tamil Nadu. The friends and family from across the world were able to attend the wedding reception that followed as it took place in a virtual world. A start-up called TardiVerse worked for a month to create the metaverse where the reception was hosted. Along with avatars of the guests and the bride and groom, an avatar of the bride's late father was also created. So with such events we can say that the Metaverse is not far from the reality.

The tech giants are also entering the new universe. Microsoft cited that so-called metaverse as a reason for acquiring the game developer Activision Blizzard for \$68.7 billion, saying the deal would provide "building blocks for the metaverse."

It may even be the case that any real "metaverse" would be little more than some cool VR games and digital avatars in Zoom calls, but mostly just something we still think of as the internet.

That all said to conclude in the current scenario of metaverse we can't still decide whether it is just a hype which will age after some period of time or an advertisement created by people to make money. We can wait as we done before when other technologies made a change or we can be a part of it.

"I believe in metaverse is the next chapter for the internet":-Mark Zuckerberg.





Illustration by:
Marakkamthodi Hajna
S2 - MBA

Hajna

**"Thinking is the capital, Enterprise is the way,
Hard Work is the solution"**

- Dr. APJ Abdul Kalam

travel blog



The Thattekkad Bird Sanctuary, covering an area of barely 25 km, and located about 12 km from Kothamangalam (Kerala state, India), was the first bird sanctuary in Kerala. Salim Ali, one of the best known ornithologists, described this sanctuary as the richest bird habitat on peninsular India. Thattekkad literally means flat forest, and the region is a deciduous but generally moist low-land forest surrounding the Periyar River, the longest river in Kerala.

There is a paradise of birds in Kerala where birders flock to in large numbers. On

October, this place witnesses a beehive of activities. The constant twittering of birds, their cackles and unending bird songs turn this place into a birder's dream. For a great bird life encounter, you head to Kerala's first bird sanctuary- the Thattekkad Bird Sanctuary.

The sanctuary is home to over 270 species of birds. Surveys show the existence of 34 species of mammals, 15 species of amphibians, 30 species of reptiles, and 47 species of fishes. The forest includes a mix of tropical evergreen, tropical semi-

evergreen, moist deciduous and riparian forests. Plantations of Teak, Rosewood, Mahagony and fruit orchards can be found here.

The common birds that can be found here include Indian roller, Cuckoo, grey drongo, Malabar trogon, common snipe, peacocks, wood peckers, crow pheasant, and Indian hill myna. Meanwhile, the rare bird varieties include the Peninsular Bay owl, Ceylon Frogmouth, Bourdillon's Long-eared Indian Nightjar, Malabar hornbill, Crimson throated barbet, Malabar shama, Grey-headed fish eagle and so on. Migratory birds also arrive in large numbers to this avian haven. The best time to visit the sanctuary is between October and March

The Thattekkad Bird Sanctuary has a rich and varied birdlife. Several species of birds, both forest birds as well as water birds, visit the sanctuaries; notable ones include the following:

The Indian pitta, which visits the sanctuary during winter and spends almost six months here.

- Orange-headed thrush
- Large-billed leaf-warbler
- Jerdon's nightjar
- Indian cuckoo
- Oriental darter
- Cormorants
- Whiskered terns
- Collared scops owl
- Ceylon frogmouth
- Grey-fronted green pigeon
- Yellow-browed bulbuls

The sanctuary is a habitat for different varieties of cuckoos and a region of the sanctuary popularly called "Cuckoo Paradise" is home to them, among which are the:

Drongo cuckoo, which may be easily mistaken for drongo, Indian hawk cuckoo,



which is highly vocal, and the Large hawk cuckoo, which looks relatively massive compared to other types of cuckoos, and is characterized by a dark grey and heavily streaked throat.

The Idamalayar forest is located about 15 km from Thattekkad Bird Sanctuary. There is a large evergreen forest to the east and south-east of the Idamalayar Dam, extending from Malakkappara to as far as Rajamala. The mountain hawk eagles are found in this forest. Other birds in this forest include dark-fronted babbler, brown-cheeked fulvetta, brown-backed and white-rumped needletails, and emerald green pigeons.



പ്രകാശം പരക്കട്ടെ!

എന്റെ മരണ ചടങ്ങിൽ നീ എത്തണം.
 മരവിച്ച എന്റെ കാൽപാദങ്ങൾ തണുത്ത വെള്ളത്തിൽ ശുദ്ധമാക്കണം
 എന്റെ കൺപോളകൾക്ക് മീതെ പരന്ന കണ്മഷി തുടക്കരുത്
 എണ്ണയില്ലാത്ത എന്റെ മുടിയിഴകളിലൂടെ
 വീരലോടിച്ച് കൊണ്ട് നീ പറയണം
 ഞാൻ നിനക്കത്ര പ്രിയപ്പെട്ടവളായിരുന്നുവെന്ന്
 എന്റെ ഉടൽ കത്തിയെരിയുമ്പോൾ
 പരസ്പരം നാമെരിഞ്ഞു തീർത്ത നിമിഷങ്ങൾ നീ ഓർക്കണം
 നീ നോക്കി നിൽക്കെ എന്റെ ഉയിരും ഉടലും കത്തിയമരണം
 എന്റെ സ്നേഹത്തിന്റെ അവസാന ചാരവും
 നീ നിന്റെ കണ്ണീർ നദിയിൽ ഒഴുക്കി എനിക്ക് മോക്ഷം നൽകണം

 **Sreelakshmi P**
 S3-MBA



NATIONAL CADET CORPS

MESSAGE

National Cadet Corps is a Tri-Services Organisation comprising the Army, Navy and Air Force, engaged in grooming the youth – ‘The Leaders of Tomorrow’ – into disciplined and patriotic citizens. The genesis of the NCC can be traced back to the First World War when the British created the University Corps as the second line of defense and to have a large pool of trained youth available for employment into the Armed Forces.



After independence the present day NCC under the Ministry of Defence came into existence on 16 Apr 1948 through NCC act XXXI, 1948. NCC was formally inaugurated on 15 Jul 1948 as soon as the schools and colleges reopened after summer vacation. The Girls Division of the NCC was started in Jul 1949. In 1950 Air Wing was added on 01 Apr with one Air squadron each at Bombay and Kolkata. The Naval Wing of the NCC was raised in Jul 1952, thus completing the true representation of all services in the Corps. Presently, NCC has approximately 13 Lakhs Cadets under its fold.

Lt. Sanoj T

Associate NCC Officer & Assistant Professor
Department Mechanical Engineering, NCERC

Aim of NCC:

- To Develop Character, Comradeship, Discipline, Leadership, Secular Outlook, Spirit of Adventure, and Ideals of Selfless Service amongst the Youth of the Country.
- To Create a Human Resource of Organized, Trained and Motivated Youth, To Provide Leadership in all Walks of life and be Always Available for the Service of the Nation.
- To Provide a Suitable Environment to Motivate the Youth to Take Up a Career in the Armed Forces.

Cardinals of Discipline:

- Obey with a smile.
- Be punctual.
- Work hard and without fuss.
- Make no excuses and tell no lies.

MOTTO

- Unity and Discipline



SPECIAL ACHIEVEMENTS

SELECTED FOR PRE TSC-1

(REPRESENTING KERALA AND LAKSHWADEEP DTE)



SGT Vipeesh Krishnan



CPL Younus A.Y.



CPL Anand M



L/CPL Anagha



CDT Jishna

SELECTED FOR ARMY ATTACHEMENT CAMP

(WHICH WAS HELD IN BANGALORE)



It was normal day until our ANO SANOJ SIR informed us about the TSC camp trials eventually got deeply excited since it is the well appreciated prestigious camp. We were a total of 4 heading towards the trials on may 24 including various sorts of physical tests me there out of four made it and was full excitement heading to TSC camp after getting selection.



Camp started on June 1 and had duration up June 10 TSC camp is different from other camps since it involves multiple specifications and sections we went with a chill mood and after hearing about all those sections involving thing, Obstacle training (OT), Judging distance and field signals (JDFS), Map reading (MR), Health and Hygiene (HH) we get deeply felt awesome to be here.

With my performance i could make it to the JDFS and Map reading teams got qualified for the second camp .Second camp started on June 13-June 22 get this i covered all sections that i was assigned also make a space for firing ,as at initial stages i got chance to prove my firing skills and i could deliver what was actually in their mind. And In b/w JDFS,MR and firing second camp ended up.

Third camp started from 28 June it was pre TSC and also IGC due to unfortunate knee injury i could not make it to the final team of TSC firing but having superior always believed in my abilities and backed me pretty well. But i had already got selected in the JDFS leaving behind all cadets and being in the top of merit list. JDFS was full off study all you know is there is plenty syllabus hence a lot of ocean like to study, in order to over the syllabus it pushed my till 20 since i was deeply passionate of what i was doing. And finally hard work pays off i was the one in the 8 selected cadets.

Next camp was located in Calicut which have a very different kind off a vibe with full military commands all over. The major problem or the only problem that i had to face was to adjust and adapt the climatic conditions and slowly i turned out to be normal. Having a supporting staff

always ready to help, helped to improve a lot and further motivated me to move a head.

Now there comes the exam day all nervous excepting normal teaching staff as invigilator there but its the head of the contigen Brigadier sab out of there, Oh it was sort of experience. After written there comes practical exam we were taken to Anilampara high mountain everything went really well.

And now all the results we announced and our Eranakulam group bagged second position over all. Now comes next camp the sixth one PRE TSC I, investing all my hard work and passion on everything remitted in my Rank Promotion promoted to JUNIOR UNDER OFFICER, Now i was quite nervous at beginning as a lot off responsibilities are on your shoulders it was a huge task. But now i could get even better chance of having interaction with professionals learn and take advice directly from them.

The best thing that i felt this camp was changed my character completely and made me realize that i am capable handling responsibilities. The thing that really shocked me was the day when colonel sir himself invites you play basket ball that would be memorable having a chance of sharing same ground with a well respected high standard professional with plenty years of service for the nation. Unfortunately due to an injury on my leg i couldn't make it to the pre TSC 2 and if that had happened then next camp would be in central Delhi.



TSC CAMP EXPERIENCE



Vipeesh Krishnan
S7-MTR

I will share some insights from my Thal Sainik Camp (TSC) experience with you.

The first time I heard about the selections, I was not interested. I was pretty sure I will not go, but then there was a last minute change in mind "Why not try it?". Indeed that was one of the best decisions I have made in my life. The selection was taking place in Kutaneellur, Thrissur. When I and my 3 fellow cadets arrived there, the place was filled with cadets from different colleges all over Kerala. At first, I had no idea for what I was going but then I realized that it was a national level camp. The selections had running, push-ups, pull ups, etc. all of which I did without any difficulties and even finished first in running. Now it was time for the results. I GOT SELECTED along with my friend.

The first camp was from 01 June 2022 to 10 June 2022. This was the first time that I was attending a different camp other than CATC. TSC has different events such as FIRING, OBSTACLE TRAINING (OT), MAP READING (MR), JUDGING DISTANCE AND FIELD SIGNALS (JDFS), HEALTH AND HYGIENE (HH) for which it carries out selections through continuous camps and picks the best cadets in each event. When we arrived at the camp destination, all the cadets were divided into companies and I was made one of the company seniors

which I was a little unsure of. Everything turned out fine as the cadets were cooperative bar one instance where the firing team where asked to fall in at 5:45 am but we were late by 5 minutes and on our way one of the sabs caught us and as I was the senior everyone else was spared and I was punished other than that we all had fun together. The stay was pretty good and the food was also excellent. Camp routine was getting up early in the morning, going for the morning PT, then throughout the day the various events were carried out and everyone had a chance at everything. My personal favorites are firing, obstacle training (OT), and map reading (MR). My OT was pretty good but I was not selected and my Firing was pretty bad and I asked for another chance but it didn't happen. So finally I got selected for map reading (MR) and the first camp ended.

Now it was time for the second camp. It was from 13 June 2022 to 22 June 2022. There were new ANOs, officers and sabs so they wanted to carry out the selections from scratch which was a blessing in disguise for me as I wanted to try out my firing once again. But first it was Obstacle Training which I did pretty well but it was Firing which I had my eyes on and I requested the ANO for another chance and thankfully she agreed. So I fired again and it turned out that I was one of the best firers out there. ANO ma'am told me to be in the firing team and don't

do anywhere else. There are three types of firing events – Application, Snapping, Grouping. My event was Application which had 25 mtr targets without any support to hold the rifle. So like this I completed my second camp and got selected for third camp from where I got selected for IGC. IGC (Inter Group Competition) was the fourth camp I was attending and this was a 14 day camp. Cadets from all NCC groups were present there and I was under Ernakulam group. Out of almost 200 cadets only 10 SDs and 10 SWs were remaining in firing and I was one of them. The 10 cadets were divided as 3 for Application, 3 for Snapping, 3 for Grouping, and 1 reserve. So the competition started and in my team which was Application team, me and another guy shot 40/40 but the third one could get only 38/40. At the end when the results came out Trivandrum group got 1st place in firing and we got 2nd place for which we were happy. In the overall results which included OT, MR, etc. Calicut group got 1st place. Now talking about our stay there, the firing teams were staying about 10 km away from the place where everyone was staying and it was a very big college, the biggest I had ever seen. Till now, we had separate rooms to stay but now it was a dormitory. We were on the 5th floor and we had to go all the way down and then some distance to reach the bathroom and it was complete chaos in the morning as we had little time to get ready. The food was also not so good. One thing I forgot to mention was that from IGC onwards every cadet had their own rifles and mine was the 7 Kerala Bn butt no. 4 rifle and safe to say it was my lucky charm. I still have photos with the rifle saved in my Instagram highlights and those are the memories for a lifetime. At the end, out of 88 cadets some 20 cadets were selected for the next camp and so was I.

The next camp was Pre TSC 1 in Calicut. The camp started and the routine for the firing teams was not so tiring. We did not run much in the morning and did yoga. After that we had breakfast and then left to the firing range. There was firing in the morning as well as evening and every cadet had to fire every day and those points were all added up in the end. Unlike previous camps, all the cadets were new because these were the cadets selected from all over Kerala. I made many new friends and the Calicut group cadets were very friendly as well. As they were at their district only, they had an advantage. So now the firing had started, the first day I was not able to do my best but the next day I got back to normal. Now this camp was during my Semester exams and on the third day of the camp I had an exam. We were not allowed to go out of the camp but I took an out pass and gave my exam and came back and because I did not fire my points for that day were zero. The next day I fired and the next day I again had an exam so did not fire and again had zero points that day. The second last day everyone had to fire compulsorily but I had an exam that day as well and had to go. So I did not fire that day and as a result I was not selected for the next camp and my TSC journey ended there.

Looking back, I hope I had chosen to stay at the camp instead of appearing for the exam but it is what it is and nevertheless it was an experience of a lifetime.

MY NCC JOURNEY



The National Cadet Corps is an an triservice organisation engaged in grooming the youth of the country into Disciplined and Patriotic citizens cadets are given basic Military training in small arms and panads.

I would like to share my beautiful experience during my NCC camps. My first camp was held in the KERALA POLICE ACADEMY from June 13 to June 22, consisting of roughly around 600 cadets.

We arrived on June 13 it was quite a cool day with basic briefing but next day one our day starts by morning 4 am and ends by night 9 pm. It all starts with PT followed by lectures on character building, Personality development, career counseling, leadership qualities by Army personals (COs/JCOs/ORs).

Apart from this we futher move to advanced section that is we are taught Mapreading, FC, BC Weapon training, Section Formation. Every evening was chill time as its time for culturals where cadets showcase their talents.

The awaited day was Day 6 where we were taught about handling and operating rifle and were given 0.22 rifle and were given 10 rounds to fire. Our company Bravo won the overall second position and I'm glad I could contribute. I was assigned as the senior of 60 junior cadets at initial Stage I was nervous but then I could somehow manage and CO sir Sunil Kumar appreciated me, that gave me a lot of confidence and motivated me. Coming to camp with excitement leaving camp with medal in hand with unexpected memories.

Activities of the National Cadet Corps (NCC) do not only provide motivation for positive attitude but are also very important for character building and personality development as we cadets are regularly encouraged and motivated to participate in various public speaking activities & social compaigns and events.

Basically camp taught me how to engage in new atmosphere promptly and tackle out the tasks that was assigned. In a short period of time life gives plenty lessons and gives friends whose memories and bonds remain forever.



NATIONAL SERVICE SCHEME



ABOUT

The National Service Scheme (NSS) is an Indian government sector public service program conducted by the Ministry of Youth Affairs and Sports of the Government of India. It aims at developing student's personality through community service. NSS is a voluntary association of young people in colleges, universities and at +2 level working for a campus-community (esp. Villages) linkage.

NSS was formally launched on 24th September 1969. The Programme was started during the birth centenary year of Mahatma Gandhi, the father of the Nation, who inspired the Indian youth to participate in the movement for Indian Independence and the social upliftment of the downtrodden masses. Every year 24th September is celebrated as NSS Day with appropriate programs and activities.

NSS plays a vital role in the academic expansion. The spirit of selfless service is inculcated among the student and NSS Programme Officers through sustained community interactions. It is said that 'Service to Man is Service to God' and NSS provides opportunities for preparing the students for commitment in the service of the community and ultimately service to God.

Motto:

'Not Me But YOU'.

This reflects the essence of democratic living and upholds the need for self-less service. It emphasizes that the welfare of an individual ultimately leads to the welfare of society.

Objectives:

- To develop an individual's personality.
- To provide learning experience.
- To develop a sense of participation.
- To emphasize the dignity of labour.
- To practice national integration and social harmony and many more.

Rejumon R (Assistant Professor)
Department of Mechatronics Engineering
NSS Programme Officer, UNIT 209 NCERC, Pampady



MY CAMP EXPERIENCE: AN UNTOLD STORY!

The 10 days which were being awaited for and celebrated for being and spending time with the family, this year were spent in a new world. A world without my family but with a new family. Coming to the point, I spent the 7 days of my vacation in the NSS camp, 'Dheeksha' at G.H.S.S Pambady. I was accompanied by my other 49 mates and our seniors and beloved Programme Officer, Rejumon Sir.

On a general note, this was a memorable camp for me. Not because it's my first camp, but because of the people surrounding me. Being atmost frank here, I had home sickness at its peak (because I'm a person who loves to stay in the home itself). But the camp days were so lovely and informative that I got to learn a lot of things about myself and about the surroundings. A lot of activities were organized for us by us and also by the seniors which made us smile for few hours shipping us to some other galaxy. Orientation sessions, which were informative, fun and indulging. Talking about my colleagues, they were the shining stars who made the camp and made us feel it like a camp. Community services were also held in different places making us privileged to be a part of social service.

What I've learnt from the camp is what matters the most. Right???

- As an individual, I'd learnt how to be responsible.
- To be a good listener.
- To be an ambivert who is somewhat towards extrovert.
- I understood and analysed my character.
- To be bold and opinionated.

I'm extremely happy to be a part of these amazing 7 days which were well spent with all of them. Thanks to each and everyone for making it a memorable camp for me and I would like to extend my gratitude towards Rejumon Sir for his uncountable support and guidance and to all the seniors for cooperating and helping us in our journey. THANK YOU!!!

Innovate, Educate, Empower

The Annual Report of IEEE SB NCERC

Gateway to Infosys Springboard

Date: 11th January 2022

IEEE SB NCERC was grateful to collaborate with IEEE Educational Society Kerala Chapter for their IEEE EdSoc KC Gateway to Infosys Springboard on 11th January 2022. Infosys Springboard is a flagship educational intervention by the Infosys company, which is premeditated to enrich the online learning experience of people, communities and society as a whole. It was really a great opportunity for all the students in and outside of the Student branch. The Infosys Springboard provides internships on various courses which were developed under the partnership of Infosys wingspan, Coursera, and Learnship. The program was suitable for kids above 10 years of age. The internship program was fully free of cost and through online mode. This provided students with a more convenient path to do an internship. The interested students grabbed the opportunity to do the internships and successfully completed them. IEEE SB NCERC is thankful to IEEE EdSoc KC for bringing this event forward. The event was successfully coordinated by SB chair & team.

IEEE Annual General Meeting 2022

Date: 02/02/2022

SB NAME: IEEE SB NCERC **Coordinated by: P T Erickmon**

The annual general meeting of IEEE SB NCERC was conducted on 2nd February 2022. The program started at 12 pm (IST). The ceremony commenced by reciting the Code of Ethics by Ms.C Swetha (Vice chair IEEE SB NCERC). The welcome address was delivered by P.T Erickmon (Former chairperson IEEE SB NCERC). After that counselor address was given by Dr. Shobha Manakkal , Student Branch Counsellor IEEE SB NCERC. She shared many thoughtful ideas which enlightened the young minds and also spoke about the benefits of

taking membership in IEEE. Her words inspired each and every one gathered there. Then she announced the execom committee 2022 of IEEE SB NCERC. Each execom member introduced themselves. Following that Mr. Anand M (new chairman, IEEE SB NCERC) shared his views on IEEE and its contribution to the society. His words greatly encouraged the members. After that new execom for Power and Energy Society student branch chapter was recognized and selected from the meeting. The program was a huge success and adorned by the blessings of various personalities. Finally Mr. Srihari Balram (Former secretary, IEEE SB NCERC), delivered the vote of thanks. The annual general meeting was concluded by 1 pm (IST).

Quizoholic

DATE: 12 February 2022

IEEE SB NCERC Conducted a technology quiz entitled 'QUIZOHOLIC' on 12 th February 2022. The quiz was conducted in online mode via Google forms. The quiz started at 7 p.m. (IST) and had a duration of 30 minutes. More than 100 participants registered for the event. A WhatsApp group was created to update the participants about event details and reminders were sent via Gmail. Three finalists were selected for first, second and third position Abijith.S (NCERC)-1st prize, Ashwin C-2nd prize and Sonal Saju (RSET)-3rd prize. All participants were awarded e-certificates and special certificate for first three positions. The quiz was coordinated by SB NCERC Media team.

Essay Writing Competition

DATE: 08th March 2022

SB NAME: IEEE SB NCERC **Coordinated by: Anand M**

As a part of International Women's day celebrations the IEEE Student Branch NCERC conducted an essay writing competition. The competition was on the topic The Most inspired women in their life time. This event was coordinated by Anand M (Chair, IEEE SB NCERC). Five students among the registered students submitted their essays before the deadline. After the judgment by the faculties, Kailas K of Nehru College of Engineering and Research Centre won the First position, and Vishnu N of Nehru College of Engineering and Research Centre won the Second position and Suvarna R of Nehru College of Engineering and Research Centre won the Third position. E-Certificates were provided to the winners. This event provided a good opportunity to convey their thoughts and memories of their inspiration. It was a day to celebrate all the women, the girls, mothers, teachers and in all their forms.

Online Webinar on Poster Design

Date: 4th April 2022

Speaker: Mr. Madhu Krishnan.A.P (Vice Chair, IEEE Student Branch Jawaharlal College of Engineering and Technology - 2019) The speaker explained the exact way of effectively designing a poster. The event was conducted in online mode through Google meet platform.

The target audience was individuals who are interested to design professional posters especially the members of media team of our student branch. Various rules and guidelines that ought to be followed for poster designing was discussed. The participants raised their queries and the speaker cleared them. The session was very interactive. It was such a useful session and participants got a clear idea of effectively creating a poster design.

Poster Designing Webinar by Mr. Madhu Krishnan A. P.

Date: 25/4/2022

Time: **7 pm IST**

Event type: **Online Webinar**

Topic: **Poster Designing**

Speaker: **Mr. Madhu Krishnan A. P**

Event association: **IEEE SB NCERC**

About the speaker: The speaker has Graduated in Electronics and Communication Engineering from Jawaharlal College of Engineering and Technology, affiliated to APJ Abdul Kalam Kerala Technological University in 2021. He has rich Volunteering Experience in IEEE. His other field of expertise include: Vice Chair, IEEE Student Branch Jawaharlal College of Engineering and Technology - 2019 Chair, IEEE Industry Applications Society Student Branch Chapter Jawaharlal College of Engineering and Technology - 2020, Membership Development Coordinator, IEEE Power and Energy Society Kerala Chapter - 2020, Designer, IEEE Power and Energy Society Young Professionals Kerala - 2021, Volunteer, IEEE Power and Energy Young Professionals Student Activities Committee Chair IEEE IAS SBC jcet His achievements include, IEEE PES Kerala Chapter Outstanding Student Volunteer Awardee 2020, IEEE Malabar Sub Section Outstanding IEEE Society Student Branch Chapter Office Bearer Awardee 2020

Brief description: The speaker explained the exact way of effectively designing a poster. The event was conducted in online mode through Google meet platform. The target audience was individuals who are interested to design professional posters especially the members of media team of our student branch. Various rules and guidelines that ought to be followed for poster designing was discussed. The participants raised their queries and the speaker cleared them. The session was very interactive. It was such a useful session and participants got a clear idea of effectively creating a poster design.

Cognitiva

Date: May 1st 2022

IEEE PES SBC NCERC has conducted a quiz competition on 01/05/22. The platform used was Google form. The quiz started at 7.00 pm IST. The topic of the quiz was sustainable futures. It consists of 40 questions. The available time for submitting the answers was thirty minutes. The quiz ended at 7.30 pm. There were around 50 participants who had attended the quiz. The winners of the competition were Harikrishnan. K (Nehru college of engineering and research centre) at first place, Ms. Kaveri K. S (Vimal jyothi engineering college) at second place and Anjana Chandran (Nehru college of engineering and research Center) at third place. Achievement certificates and participation certificates were given.

NeXtreme the Next Generation of Xtreme

Date: 15th May 2022

The speaker was Mr. Srihari B , a student pursuing computer science engineering in Nehru college of engineering and research centre. He is selected as the electronic communication coordinator IEEE PES Kerala chapter and he is also worked as the former secretary of IEEE SB NCERC 2021. The speaker explained the mission and vision of NeXtreme, the next generation of Xtreme. He also presented the benefits of being participated in the NeXtreme. The speaker also mentions the activities and event schedule of hubwise competition. The session was very helpful and gave Insightful knowledge. The session gave us the immense idea for participating in NeXtreme and cleared all the doubts and queries of the participants.

Inauguration of IEEE PES SBC NCERC

Date: 27/05/2022

IEEE POWER and ENERGY Society Student branch chapter NCERC was inaugurated on 27/05/2022 by Er. Ajith Gopi Chair IEEE -PES Kerala Chapter

The Chief Guest of the program was Er. Ajith Gopi, Chair IEEE-PES Kerala Chapter Senior Member, IEEE Member, International Solar Energy Society Member - International. The presidential address was delivered by Dr. Ambika Devi Amma, Principal, NCERC. The inaugural address was given by chief guest Er. Ajith Gopi in which he declared the chapter to be inaugurated. The new Execom members were introduced. The release of the newsletter and certificate distribution of previous IEEE Execom members was done by the Chief Guest.



Thursday Colloquium: Spectrum Talk

Spectrum talk is a Thursday colloquium organized by IEEE SB NCERC on every alternate thursdays. The speaker for the session will be a student member of the SB and the topic for the session will be taken from the IEEE Spectrum magazine and the speaker has to take the session in front of an audience under the supervision of the SB Counselor and SB Chapter Advisor. The aim of this initiative is to familiarize the topics covered in spectrum magazine and to improve the presentation skills of the student volunteers.

3 Spectrum talks were organized on the following dates:

12-May-2022

Topic : **The Algorithm that Mapped Omicron**

Speaker Name : **C Swetha, Vice Chair IEEE SB NCERC**

2-June-2022

Topic : **10 Lessons From the Legacy of Apple's Steve Jobs**

Speaker Name : **Vishnu N, Treasurer IEEE SB NCERC (EXECOM 2020)**

23-June-2022

Topic : **Apple's Metaverse Snub Highlights AR/VR Tech Woes**

Speaker Name : **Anjali Nandana V. P, Content Writer IEEE SB NCERC**

Industrial Visit

Date: 06th June 2022

IEEE SB NCERC and IEEE PES SB NCERC in collaboration with IEEE PES Kerala Chapter went on an industrial visit to 2MV Solar Power Plant at Kuzhalmannam, Palakkad on 10/06/22. There were about 70 IEEE student members and 2 faculty members including Ms. Rejeena mol P. T (Ass.professor EEE department, NCERC) participated in the Industrial visit. All of them assembled at the college at 9.00 am and left the college on a bus at 9.30 am. Staff at the solar power plant received us at the entrance and gave a brief description of the solar power plants and their working. The students were divided into three batches then each of the batches has been sent to different parts of the power plant. ANERT staff in charge Ms. Prabha and Mr. Jithin (2MV O&M team) has guided the team. They described about Generation process, Control process, Transmission process and Power Evacuation of the solar power plants. From this visit, we get the information about the Solar power plant and working of its.

WOW 3.0

Date: 16/08/2022

Time: **7 pm IST** Event type: **Webinar**

Topic: **Creating Life through wind** Speaker: **Ms. Preethy V. Warriar**

Event association: **IEEE PES Kerala Chapter, IEEE PES Women in Power Kerala, IEEE Women in Power R10, IEEE Women in Engineering, IEEE PES SBC Nehru College of Engineering and Research Centre**

The event was conducted in online mode via WebEx platform. The welcome address was delivered by Dr. Nafeesa K(WiP Coordinator, IEEE PES Kerala Chapter). Dr. Sobha Manakkal (Vice Chair, IEEE PES Kerala Chapter) delivered the Presidential Address. Later Moderator C. Swetha (Vice-chair, IEEE SB NCERC) invited the speaker to handle the session. She spoke about the need for renewable energy, especially in the wind energy sector. She also shared her life experiences in the industries and inspired the students towards a good career. Followed by the session Felicitation address was delivered by Dr. Ajith Gopi (Chair, IEEE PES Kerala Chapter), Dr. K. Meenakshi (Chair, WIE AG IEEE Kerala Section), and

Asst. Prof. Neethu M (Advisor, IEEE PES SBC NCERC). The session ended with a vote of thanks delivered by Irene Binnet (WiP HSR Kochi Hub). Feedback from the participants was collected via Google forms.

SB Colloquium

Date: 15/10/2022

Time: 9:00am - 4:00 pm IST Event Type: **SB Colloquium**
Chief Guest: **Mr. Vaishnav S** Event association: **IEEE SB NCERC**



The event was conducted as two sessions. The forenoon was conducted in Aryabhata block, NCERC. The event started at 10 AM with a silent prayer in memory of the former Chairman Late Sri. P. K. Das. The event was moderated by Abhiram, designer IEEE SB NCERC. The IEEE Code of Ethics was read by Anjali Nandana V. P, content writer IEEE SB NCERC. The welcome address was given by Mrs. Neethu M, Chapter Advisor, IEEE SB NCERC. An introductory address was given by Shobha Manakkal, SB Counselor, IEEE SB NCERC, Vice-chair, IEEE PES Kerala Chapter. The Presidential address was given by Sri. Ambika Devi Amma T, Principal, NCERC. A moment of joy was shared by cutting the cake. Later prize was distributed to the winners of debugging competition and also to the speakers of Spectrum talk. Felicitation address was given

by Dr. Sivakumar K- Vice Principal & CSE HOD Dr. Sudheer S. Marar - HOD MCA, Dr. Joju. C - HOD MBA, Dr. Bobby N. D - MTR HOD, Dr. S. Sankar - Mech HOD, Mrs. Sajitha AS-Hod, I/C ECE Dr. Jalaja HOD Applied Science. Vote of thanks was delivered by C. Swetha, Vice Chair, IEEE SB NCERC.

A session on the Professional integrity of an engineer was handled by Dr. Sudheer S. Marar. The speaker talked about the importance of integrity. He made the listeners understand that integrity is being truthful to oneself even in absence of external control and it is one of the most important qualities in all aspects of life especially professional life. He also suggested a 24 hour clock time management method which was really interesting.

The next session was handled by Mr. Vaishnav S. The speaker provided insights into competitive learning. He shared his own personal experiences and talked about various coding competitions, their scopes and opportunities. The third session of the event was handled by Anand M on topic Professional skill Development

The afternoon cultural session was conducted in Auditorium, Brahmagupta block. The members had a fun time dancing to the energetic beats of music and decor lights. The program came to an end by 4pm.

Reflections of the Year









to me



The girl who stared in the mirror,
was now confident than ever.
She saw herself growing
Little by little without even knowing.

The potential which she has reached
is beyond anyone's imagination indeed.

From the ashes she rose,
it was like her inner self spoke.
Ain't gonna keep my voice down
I'm no longer anyone's Circus clown..

Nor' judge me light for the deem
She may not be what she may seem.
City of angels sanity deprive
And she quite learned how to survive.

The night grew darker
She is now even stronger.
The Pain is bound to fade
It's time to see her true shade



Srilaya Kannath
S7-CSE



Through the years, I've often wondered what life would be like without the vast modern technological advancements. Perhaps this is a question that everyone has. The twenty-first century is here! Yes, I should embrace technology because it is ingrained in me, something I discovered, and something I cannot imagine living without. But what would I do if this priceless gift weren't here? Life then would have been a nightmare. The argument should be based on all aspects of life, with a large portion of the paper focusing on how technology gets a great impact in human life.

Firstly, the emergence of technology has significantly altered our daily lives. It has got quicker, more dynamic, and more cosy. It is difficult to envision our lives without technology. We are relying only on our smartphones and tablets to communicate with the rest of the world, as I believe many of you would agree. All facets of our lives are impacted by technology. But in person, we've become less sociable and more apathetic. On the one hand, technology improves our lives, but on the other, in our quest for comfort, we have grown overly dependent on it to the point that we are unable to envision life without it.

Eventually, every area of our everyday lives has undergone a profound transformation because of technology. With technology, we can do a lot. Because we already have a great deal of technology that is sufficient for a modern living, we cannot worry about technology in the future. It will keep changing since neither something new nor anything we need to accomplish in our current lives will emerge in the future. Therefore, education, communication, and medical care are the areas where technology has most significantly benefited our lives.

People today cannot function without any form of communication, including tablets, cellphones, and computers. A wooden iPhone case will be seen as a valuable collectable object if people in former times collected coins or stamps. Aside from that, what

would happen to our planet if all technology advancements vanished? Our lives would likely be considerably different, in my opinion. Since books would be one of the few sources of knowledge, people would turn to reading for information. We would have to set up an appointment in advance, and there would be no way to scupper it at the last minute. We would only receive news from newspapers, not the constant stream of information from television or the Internet.

Additionally, technology has many positive aspects, it has a negative effect on society because it interferes with communication and alters how people perceive social interaction. First, as socialisation practices have changed, people have grown more antisocial. These days, developing a relationship with someone does not require having any physical contact. There are a tonne of dating websites on the internet that are populated by individuals looking for friends and partners. Many people are avoiding traditional social activities because it is so simple to make friends and relationships online. Second, due to high unemployment rates, technology has impacted the financial situations of many families. When businesses and organisations adopt technology, jobs are lost.

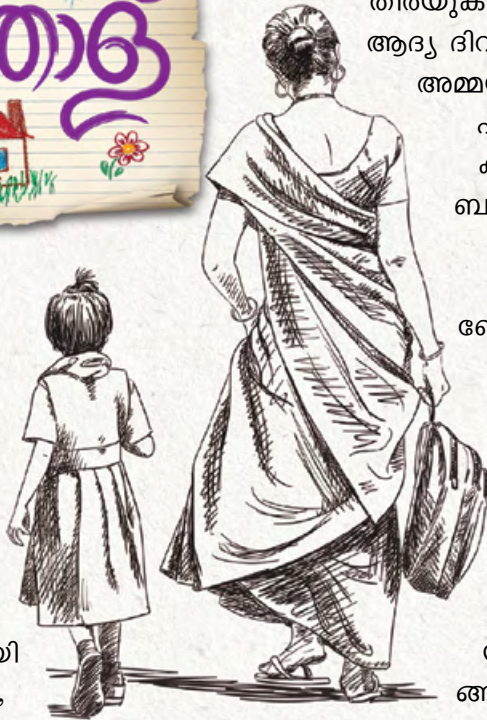
In conclusion, though it is a modern world, it's impossible to lead a life without technology. Because of its benefits, it became a part and parcel of our everyday life. It is very difficult to live with happiness accept technology. The development of technology has improved human lives and changed them for the better. It has also brought people closer together and closer in many respects, while also driving them further away in others. Through rapid communication, it pulls us closer together, but when we connect in person, it drives some of the younger generations further apart since they have not yet mastered the art of conversation. Human life would have been unconnected, but also simpler, more solitary, and less creative without it.



പുത്തനായ
 യൂണിഫോം നോക്കി
 അമ്മ ഒന്ന് കണ്ണ് നിറച്ചു,
 ഇന്ന് കൊച്ചോളം ആദ്യമായി
 സ്കൂളിൽ പോവുകയാണ്,
 മുത്തവനും പോയിട്ടുണ്ട്.

അപ്പോൾ ഇല്ലാത്ത ഒരുതരം ആദി ആണ്
 അമ്മക്കിപ്പോൾ. അമ്മക്കെന്തുപറ്റി? ആകെ
 ഒരു പരവേശം, പുതപ്പിനുള്ളിൽ ഉറക്കമുണ
 രാതെ അവൾ... മഴ പെയ്തു തുടങ്ങി, അല്ലെ
 കിലും മഴ എപ്പോഴും എന്നെ നനക്കും,
 എനിക്കറിയാം... അമ്മനനഞ്ഞകൈകൊണ്ട്
 അവളുടെ മുഖം തുടച്ചു കോരിയെടുത്തു...
 ഉറക്കത്തിൽ പല്ല് തേപ്പിക്കുകയാണിപ്പോൾ...
 ഇന്ന് ഉച്ചയായാൽ അവൾ എന്തു ചെയ്യും?
 “ഡാ, നീ ഇടക്കൊന്ന് അവളെ നോക്കണം,
 ഉച്ചക്ക് ഉറക്കം ശീലമായി അവൾക്ക്...”
 തനിച്ചു ചോറ് വാരി ഉണ്ണുമോ? “മുത്തോനെ
 അവളെ ഒന്നു ശ്രദ്ധിക്കണേടാ...” മുറിച്ച
 ഇഡലി കഷ്ണം ഓരോന്നായി അവൾ
 ഇറക്കുന്നുണ്ടാർന്നു...

അവളെ അവളുടെ പുത്തൻ സ്കൂൾ
 യൂണിഫോം അമ്മ ധരിപ്പിച്ചു.. നേർപാതി
 തിരഞ്ഞു പിടിക്കണത് കാണാൻ രസമാണ്.
 പിന്നികൊടുക്കുന്നതിനിടെ അമ്മ ആ തല
 വാരി ഒന്നു അമ്മേടെ തലയിൽ കോർത്തു...
 “ചായ ആയില്ലേ? സ്കൂൾ സമയമായി”
 അച്ഛന്റെ ശബ്ദമാണത്, ചായ കൊടുത്തു
 വന്നിട്ടാവും അമ്മേടെ അടുത്ത പരവേശ
 കാഴ്ചകൾ... അമ്മ എന്തോ തിരയുകയാണ്...



തലയിലിരിക്കുന്ന ആ ചീർപ്പ്
 തിരയുകയാണ്, പാവം... അവളുടെ
 ആദ്യ ദിവസമായ തോണ്ട് ആണോ
 അമ്മയും സാരി മാറുന്നു കൂടെ
 എന്തൊക്കെയോ പിറുപിറു
 കുന്നു... വന്നിട്ട് നോക്കാം
 ബാക്കി എന്നു മാത്രം ഞാൻ
 കേട്ടു... പുത്തൻ ബാഗും
 സ്പേറ്റും ഒരു വാട്ടർ
 ബോട്ടിലും പിന്നെ കവിളിൽ
 ആരും കണ്ണുവെക്കാതിരി
 കാൻ അമ്മ കുത്തി
 കൊടുക്കാറുള്ള ഒരു
 കറുത്ത കുത്തും...
 അവളെ എടുത്തു
 നീളമുള്ള കൂട നിവർത്തി
 അമ്മ നടന്നു... കുറച്ചു
 നടക്കണം... നടക്കാതെ
 അടിയതും അവൾ പറഞ്ഞു...
 “അമ്മേ റെറ്റ് വയർ...”

അയ്യോ അതു മറന്നു... അവൾക്കു അതു
 വരെ അങ്ങിനെ പ്രത്യേകിച്ച് സമയം ഇല്ലാ
 ൾന്നു... എല്ലാം കഴിഞ്ഞു സ്കൂൾ വരാന്ത
 യിൽ പുതിയ കുട്ടികൾ ഓരോരുത്തരായി
 കരയുവാൻ തുടങ്ങി. അമ്മേടെ കണ്ണുകൾ
 അവളിൽ മാത്രം... അവൾ കരയുന്നില്ല...
 എന്താണിവൾ കരയാത്തത്? അമ്മ അവളെ
 താഴെ ഇറക്കി, അവൾ അമ്മയുടെ വിരലിൽ
 പിടിച്ചു നടന്ന് നീങ്ങി. ക്ലാസ്സ് ടീച്ചർ കസേര
 യിൽ തന്നെ ഉണ്ട്... അവളെ ടീച്ചർ അടു
 ത്തുപോയി അമ്മേടെ കൈയിൽ നിന്നും
 വാങ്ങുമ്പോൾ അമ്മ കരയുകയായിരുന്നു...
 നിറഞ്ഞ കണ്ണുകളോടെ അമ്മ, അവൾ പു
 തിയ ആരെയോ എന്ന പോലെ ടീച്ചറെയും...

“മിടുക്കി ആണല്ലോ ഇവിടെ ഇരിക്കൂ”
 അവൾ ഓരോരുത്തരെയും നോക്കി പിന്നെ
 മനസിലായി അത് ക്ലാസ് മുറി ആണ്.
 അമ്മ ആ കതകുവരെയേ ഉണ്ടാവൂ എന്ന്...
 അമ്മ തിരിഞ്ഞു നോക്കി നടന്ന് തുടങ്ങി...
 അവൾ കരഞ്ഞു... അവളുടെ കരച്ചിൽ
 മാറിയോ എന്നറിയാൻ ജനാലിൽകൂടി
 എത്തി നോക്കിയ അമ്മയെ ഓർക്കുന്നു...
 “മുത്തോനെ അവളെ നോക്കിക്കോണേ...”

To The World

What has your definition for the Love of Rain been like?

For me rain has never been a seasonal thing.

It has always been an emotion.

And unpredicted rain has always been even more special to me.

The way you eat warm pakodas (an Indian snack) and walk beside the roads trying to feel the drops of rain showering you with love.

And for all the others out there to be under one umbrella and still getting wet half by half.

Much fun!!! This is what is called "true romance in the rain."

And don't know how and where you will meet someone while driving through this beautiful venture.

Do you guys know why do I love rain so much?

Because it literally has everything.

Someone's pain, their love, their soul and their soul's favorite song.

Everything is included within it.

And as a cherry on top of the cake, my love for rain has been genetical.

My dad too loves rain.

The softness of rain, the sweet smell of the wet mud and the much wanted drinking a hot cup of chai from one of those small yet old "chai kitapri"(tea shops).

And then between all of this,

having a long drive through the roads by playing your favorite "baarish playlist."

"And this is exactly what rain always shows you about life.

Full of hopes for a new yet exciting day ahead waiting for you."



Srilaya Kannath
S7-CSE



Tharun Mohan
(Associate Student Editor)
S7-CSE

തെരുവ് തിന്ന ജീവിതം



കറുത്ത് കറുത്ത് വെളുത്ത് പോയൊരു ചിരി..!
മങ്ങി മങ്ങി എരിഞ്ഞു കത്തിയ തിരി..!
എരിഞ്ഞ വയറിന്റെ വെറുപ്പ് കലർന്ന വിളി..!
കരിഞ്ഞ കരളിലെ നിറഞ്ഞ നോവിന്റെ നിറം..!
പറഞ്ഞ് ചെല്ലാൻ പെറ്റവരില്ലാത്ത കനം..!
പൊള്ളിക്കുളിർന്ന് കുറ്റി കണക്കനെയവൾ..!

ഇത് പട്ടിണി..!

പ്രാണൻ വിശന്നു വലഞ്ഞു ചാവും ആയിരം പേരുറങ്ങും പടു തെരുവിലെ പട്ടിണി..!
പിഴച്ചു പെറ്റും, പടിയടച്ചും, പ്രാന്തിളകിയുമിങ്ങനെ പഴിച്ച് വാഴും പലർ..!

കൊട്ടിക്കുവുന്ന കാലത്തെ വാർത്തയിൽ കാണില്ല,
നീട്ടി എഴുതുന്ന നിന്റെ വരിയിലും കാണില്ല..!
കാണാൻ, കടന്നു കേറണം, കറുത്ത തെരുവിന്റെ കരിഞ്ഞ മേടുകൾ
പുകഞ്ഞു തീരും പിഞ്ചു ബാല്യങ്ങൾ,
പരിച്ചെറിഞ്ഞൊരു കീറ തുണിയിലെ പെണ്ണൊരുത്തിതൻ ചോര പാടുകൾ..!

പിടിച്ചിഴക്കാതെ തുലഞ്ഞു പോകുന്ന പാതിയിൽ മൂത്തൊരു
കാമവെറിക്കിതിൽ ഓരിയിട്ടലറുന്ന നായയും നരിയും പെണ്ണ്..!
പുഴുവരിച്ച് പടിഞ്ഞു കിടക്കുന്ന വൈധവ വൃദ്ധയും കുരുതിയായി..!
ഇന്നലെ പെറ്റിട്ട പെൺകുഞ്ഞുമങ്ങനെ കാൽക്കലെ കണമായി ചെന്നൊടുങ്ങി..!
പട്ടിണി പ്രാണനെ പാറ്റിപ്പൊക്കവേ ആണിവാൻ ആർത്തിക്കൊത്തരുത്..!
കാമവെറി കലരാതെ കണ്ടില്ലൊരുത്തനെ രാവിലിരുട്ടിൽ കടത്തിണ്ണയിൽ..!

ഇനിയുമിതു കാണാതെ പുട്ടുന്ന കണ്ണിലെ കാഴ്ചയും ആട്ടി ഒഴിക്ക നീ വൈകാതെ..!
വേദന പൂക്കുന്ന തെരുവിൻ വസന്തത്തിൽ പട്ടിണി പൂക്കൾ കൊഴിച്ചിട്ടു പോകുന്നു..!!
തെങ്ങിൻ ചുവട്ടിൽ പുതച്ചിട്ടു പോകുന്നു കുറ്റൻ മതിൽ കെട്ടിനുള്ളിലെ മേളങ്ങൾ..!!!

മനുഷ്യനും മനുഷ്യനും പരസ്പരം മറക്കുമ്പോൾ
മരിച്ചു വീഴുന്ന മനുഷ്യത്വം ദയനീയമായി രോദനം പൊഴിക്കുന്നു...

കണ്ണിൻ



കത്തുന്ന വെയിലാണ്,
പൊള്ളുന്നത് ആ അച്ഛന്റെ ഹൃദയമാണ്...
തോരാമഴയാണ്, മുറ്റം നനച്ചല്ല
ആ അമ്മയുടെ മിഴികൾ നിറച്ചാണ്...
ഉച്ചത്തിലുള്ള നിലവിളികളുണ്ട്,
കുസൃതിച്ചിരിയുമായി അനിയൻ തല്ലാൻ അടുത്തപ്പോഴല്ല,
ഇനി തല്ലാൻ ആ കൈകൾ ഉയരില്ലെന്നറിഞ്ഞ പെങ്ങളുടെ
വേദനയാണ്...
എവിടെ നിന്നോ മുദ്രാവാക്യങ്ങൾ ഉയരുന്നുണ്ട്.
രക്തസാക്ഷിത്വം വരിച്ച യുവത്വത്തിന്റെ പേരിൽ
വഴിനീളെ കണ്ണുനീർ പൊഴിയുന്നുണ്ട്...
ആ കണ്ണുകളിൽ നിഗൂഢതയുടെ ഒരു ചുവപ്പ്
മറഞ്ഞുകിടക്കുന്നതറിയാതെ, വീണ്ടും
കലാലയങ്ങളിൽ ചുടുചോര ചിത്തുന്നു...
നെടും തൂണുകൾ അറ്റുവീണ്
കുടുംബങ്ങൾ അനാഥമാവുന്നു...
ഉയരുന്ന ശബ്ദങ്ങൾ മൗനത്തിലേക്കാഴ്ത്താൻ
പിച്ചാത്തികൾ ഉയരുമ്പോൾ,
അശാന്തിയുടെ നിശബ്ദത ചുറ്റിലും
ദുർഗ്ഗന്ധം പരത്തുമ്പോൾ
അനീതിക്കെതിരെ മുർച്ഛയേറിയ
സ്വരങ്ങൾ എവിടെയോ മുളപൊട്ടുന്നു...
ഓർക്കുക, സുഗന്ധം ഒട്ടും അകലെയല്ല...

National Educational Policy: 2020 -Rebooting the legacy Gurukul to NEP2020: Ride through Indian Education



Dr. Sobha Manakkal
HoD EEE &
Director IQAC NCERC

The pursuit of knowledge (Jnan), wisdom (Pragya), and truth (Satya) was always considered in Indian thought and philosophy as the highest human goal. The aim of education in ancient India was not just the acquisition of knowledge as preparation for life in this world, or life beyond schooling, but for the complete realization and liberation of the self. World-class institutions of ancient India such as Takshashila, Nalanda, Vikramshila, Vallabhi set the highest standards of multidisciplinary teaching and research and hosted scholars and students from all countries. The Indian education system produced great scholars such as Charaka, Susruta, Aryabhata, Varahamihira, Bhaskaracharya, Brahmagupta, Chanakya, Nagarjuna, Gautama, Pingala, Sankardev, Maitreyi, Gargi and Thiruvalluvar and numerous others who made influential contributions to world knowledge in diverse fields such as mathematics, astronomy, metallurgy, medical science and surgery, civil engineering, architecture, shipbuilding and navigation, yoga, fine arts, chess and more. Indian culture and philosophy have had a strong influence on the world.

These rich legacies to world heritage must not only be nurtured and preserved for posterity but also researched, enhanced,

and put to new uses through our education system.

Progress of Indian Education

Aristotle wrote

“Those who educate the children are more to be honoured than their parents because these give them life but those the art of living well. Nowhere in this world had the implication of this statement been better implemented than in Ancient India.”

Education in ancient India was free from any external control like that of the state and government or any party politics. It was the rulers who set that learned Pundits pursued their studies and performed their duty of imparting knowledge without interference from any source.

The Gurukul System -A schooling unique to India

Most of the ancient teaching happened in gurukul (ashram) in oral form by sages and scholars in diverse areas including religion, philosophy, warfare, medicine, astrology and many of them are still referred and remain unchallenged. In a gurukul, students would reside together as equals, irrespective of their social standing, learnt from the guru

and distribute work in themselves to help the guru in his day-to-day life



Simple living and high thinking should be the motto in student period

Vedic Education

The education system which was evolved first in ancient India is known as the Vedic system of education based on the Vedas. The education system of Vedic period has unique characteristics and qualities which were not found in the ancient education system of any other country of the world. Vedas occupy a very important place in the Indian life which are four in number – Rigveda, Samveda, Yajurveda, and Atharavaveda

Rigveda: RIK means praise. Rigveda contains praises for the deities like Indra, Agni, Rudra, Varuna, Surya. Tapping the energies of the nature is given high importance in Rigveda.

Yajurveda: Yajush' means rituals. Yajurveda contains different rituals and sacrifices to be conducted to pacify gods.

Sama veda: Sama' means song. Samveda contains verses to be sung. These verses are built in their root from using the 7 notes. Sa, Re, Ga, Ma, Pa, Dha, Ni. These notes aid the liberation of soul by stimulating the energy centres in the human body.

Atharvaveda: Atharvaveda is more applicable to modern society since it deals with different subjects like Science, Medicine, Mathematics, Engineering, Technology etc.

Education aimed at holistic development of the scholar.



Buddhist Education System

The most important system of education in medieval period was the Buddhist system of education. Buddhist education came into existence in the 5th century B.C. There was primary and higher education. In primary education reading, writing and arithmetic were taught and in higher education religion, philosophy, ayurveda, military training was included. Everyone was free to choose his subject without any restriction. But women education during Buddhist period was at its lowest ebb. Major educational centres came up in Buddhist period are:



Nalanda University



Takshashia University

Islamic education

Islam gives importance to education, which is the process of teaching and acquiring or learning knowledge (which includes beliefs, values, attitudes, manners and skills). When the Qur'an began to be revealed, the first word of its first verse was 'Iqra' that is, READ. During the Muslim period education received a great patronage of state. The Muslim rulers established many Maktabas, Madarsas, libraries etc., and patronised many scholars



"Educate your children; they must live in a time different from yours."

Education During Pre Independent India 1836-1855

With the Charter Act of 1813, a state system of education was officially introduced in the Indian history. When the East India Company came to India they did not allow the missionaries to propagate religious education to the common people in India. The development of women education in India is usually dated from 1849, when the British government in India opened the Bethune school. When the "Wood's Despatch", an important educational document containing Educational development programme was passed in 1854 by the East India

Company a special reference was made of education and employment of women and the Government assumed direct responsibility for making women literate. Wood's Despatch was recognized as the Magna Carta of Indian Education and considered as first Milestone of Indian education. The first industrial school was set up in Madras in 1842. The first Engineering College in the U.P. in 1841

Education During Post Independent India

Major milestones during this period are

- Secondary Education commission(1952-53)
- Education Commission (1964-66)
- National Policy on Education (1986)

"Education in India stands at the cross roads today, neither normal linear expansion nor the existing pace and nature of improvement can meet the needs of the situation. The new policy would be egalitarian. An attempt would have to be made to give access to the best type of education to the most intelligent children, no matter from which section of society they came from." - Rajiv Gandhi in 1986- National Policy on Education (1986) was framed

New Education policy NEP-2020

The Ministry of Human Resource Development (now, Ministry of Education) replaced the 34-year-old National policy on Education (NPE), framed in 1986, with the new Education Policy of 2020 (NEP 2020)- first education policy of the 21st century

The Vision of NEP 2020

The vision of the Policy is to instil among the learners a deep-rooted pride in being Indian, not only in thought, but also in spirit, intellect, and deeds, as well as to develop knowledge, skills, values, and dispositions that support

responsible commitment to human rights, sustainable development and living, and global well-being, thereby reflecting a truly global citizen.

Fundamental Principles of NEP 2020

Recognizing unique capabilities of each student	Learners can choose their learning trajectories.
No hard separations between arts and sciences	Emphasis on conceptual understanding.
Creativity and critical thinking	Synergy in curriculum.
Promoting multilingualism and the power of language	Extensive use of technology
Respect for diversity	Full equity and inclusion
'Faculty' heart of the learning process	'light but tight' regulatory framework
Multidisciplinary and a Holistic education	

Subject-wise implementation committees of experts in cooperation and consultation with other relevant Ministries will be set up at both the Central and State levels. Reviews will be shared with Central Advisory Board of Education -CABE. In the decade of 2030-40, the entire policy will be in an operational mode, following which another comprehensive review will be undertaken.

The real issue is amnesia about our history, roots, culture, legacy and language. That is what NEP 2020 seeks to reboot

Refer National Education Policy 2020
Ministry of Human Resource Development Government of India for further reading.



Bindu Krishnakumar
Campus Manager

കിഴക്കേണയുന്ന പക്ഷികൾ

വറീതേട്ടൻ ചിന്താവിഷ്ണുനാണ്. എന്തോ പോയ പോലെയുള്ള മൂപ്പരുടെ ഇരുപ്പു കണ്ടു ഞാൻ...

“എന്തുട്ടാ പറിയെ വറീതേട്ടാ?”

“അല്ല കുട്ടേ, അവന്റെ ആ കുന്ത്രാണ്ടം ഇനീം വന്നില്ലാട്ടാ...”

ഏഹ് !! അപ്പൊ നമ്മള് ‘ചിന്ത വിഷ്ണു’ നമ്മടെ ചിന്ത ഉൾക്കൊണ്ടു മറിയചേച്ചീടെ മറുപടി ഉടനെ വന്നു.

“ജോർജ്ജിടെ ജർമൻ വിസയുടെ കാര്യം കുട്ടേ ഇങ്ങേരു പറേണെ.”

“ഓഹ്ഹ്... അതാണോ, അതിനിയും ശെരിയായില്ലേ?”

ജോർജി കെട്ടുമുറുക്കി ഇരുപ്പുതുടങ്ങിട്ടു കുറച്ചായല്ലോ... നമ്മൾ ആത്മഗതം! ഒറ്റമോനാ, ചെക്കൻ ബി.ടെക് മെക്കാനിക്കൽ എഞ്ചിനീയറിംഗ് കഴിഞ്ഞു ഇരിക്കുകയാണ്. ചെക്കന് ഇനിയും പഠിക്കണമെന്നാണ്. പക്ഷെ ഇവിടെ വേണ്ടത്രേ... വിദേശത്തു തന്നെ മതീത്രേ. മുന്നൊരിക്കൽ കണ്ടപ്പോൾ വറീതേട്ടൻ പറഞ്ഞിരുന്നു. അവന്റെ കൂട്ടുകാർ ഒക്കെ ജർമനിയിലും, യു. കെയിലും, യു. എസിലും ഒക്കെയാണത്രെ. അപ്പൊ ചെക്കനും അതന്നെ കമ്പം.

“എന്തുട്ടാ ചെയ്യാ മോളേ? അവനു ആഗ്രഹം പറഞ്ഞാ സാധിപ്പിക്കാണ്ട് പറുവൊ മോളേ? ഒന്നല്ലേ ഉള്ളൂ.”

കർഷകനാണ്, കുറച്ചു തെങ്ങും കവുങ്ങും പിന്നെ കുറെ കുരുമുളകും ഒക്കെ ആയിട്ടു മൂപ്പർ തട്ടീം മുട്ടീം പോകുന്നുണ്ട്. പെണ്ണൊന്നുള്ളന്നിനെ കെട്ടിച്ചു വിട്ടു. ചെക്കന് നല്ല ബുദ്ധി ഉണ്ട്. നന്നായി പഠിക്കുകയും ചെയ്യും. അപ്പൊ അവനെങ്ങനേം രക്ഷപ്പെട്ടോട്ടെ എന്നാണ് മൂപ്പർക്ക്. ക്യാമ്പസ് സെലക്ഷൻ ഒക്കെ കിട്ടീതാണ്. പക്ഷെ അവനു ഇന്ത്യേലു നിക്കണ്ടത്രേ... വിദേശത്തുതന്നെ പോണം. അവിടെ ഇനി രക്ഷ-

യുള്ളൂന്നാണ്... പാവം വറീതേട്ടന് പിന്നെ ഒന്നും പറയാനില്ലലോ. കുറേ ഭൂമി ഒക്കെ വിറ്റു പെറുക്കി വിസക്ക് പണം അടച്ചു. “അവൻ രക്ഷപെട്ടാല് എല്ലാം ഇനീം ഉണ്ടാക്കാലോ. അപ്പൊ പിന്നെ ഇതൊന്നും പ്രശ്നക്കാനില്ല കുട്ടേ.”

എന്നാലും പാവത്തിന്റെ ഉള്ളു പെടക്കണത് നമുക്കറിയാം. ജീവനും ജീവിതോം ഒക്കെ അവനാണ്. ചെക്കൻ പോണേന്റെ ആധികേരി ഇടയ്ക്കിടെ നെഞ്ചത്ത് എന്തോ ഉരുണ്ടു കേറുന്നു എന്ന് ഇന്നാളും മറിയച്ചേടത്തി പറഞ്ഞിരുന്നു.

“എന്താ കുട്ടേ ഇങ്ങനെ? നമ്മള് കാണം വിറ്റും കുട്ടോളെ പഠിപ്പിച്ചു ഉണ്ടാക്കീട്ടു... മ്മക്ക് ഒരു നാഴി വെള്ളം തരാൻ അവറ്റോള് ഉണ്ടാവണില്ലാലോ...”

“കുട്ടീടെ കോളേജിലും ഇങ്ങന്യാണോ? പിള്ളേരെൊക്കെ പുറത്തു കടക്കാനുള്ള ജരം കേറി നടക്കാനോ?” വറീതേട്ടന്റെ ചോദ്യം.

മൂപ്പർക്ക് കുറച്ചു ആശ്വാസം ആയിക്കോട്ടെന്നു വെച്ച് ഞാൻ... “അല്ലാണ്ടെപിന്നെ. എല്ലാർക്കും വിദേശത്തേക്കാ നോട്ടം വറീതേട്ടാ... ഇവിടെ ആർക്കും പറുണില്ലത്രേ... പുറത്തു ധാരാളം അവസരം ഉണ്ട്. അവിടെ റിസർവേഷൻ ഒന്നും ഇല്ല. കഴിവാൻ മുഖ്യം. അതനുസരിച്ചു ജോലീം കൂലീം കിട്ടും...”

“പിന്നെ കുട്ടോൾക്ക് ധാരാളം പുതിയ കാര്യങ്ങളൊക്കെ പഠിക്കാനും പറും. എന്തോരം ആനുകൂല്യങ്ങൾ ഉണ്ടെന്നറിയോ?”

“അപ്പൊ പിന്നെ അവൻ ഇങ്ങട് തിരിച്ചു വരണുണ്ടാവില്ല ലെ കുട്ടേ, മ്മള് പഠിപ്പിച്ചിണ്ടാക്കു കുട്ടോള് മ്മടെ നാട് വിട്ടു പൊയ്ക്കൊണ്ടിരുന്നാല് എന്താ കഥ! ഇവ്ടെ ഇനി മ്മള് വയസമ്മാര് മാത്രം ആവില്ലേ!!?”

വറീതേട്ടന്റെ തേങ്ങല് തൊണ്ടയിൽ കുരുങ്ങി നിന്നു.



Janani B

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Professionalism in Teaching

T EACHER" the world itself includes "Teach" which means "GURU" who shares the experience, knowledge, and skills to others for a better-educated world. Apart from lavishing career, there are numerous of Importance of Teaching Profession. In India, Teachers are treated as nation builders as teachers play the role of substitute parents. Only Teachers can facilitate student's growth, skills, and creativity. Someone has well said that "We all are much aware that the art of teaching is the art of assisting discovery." The teaching profession refers to providing knowledge and making a better individual with all normal forms of discipline. The teaching Profession is strengthening career opportunities that contribute to in-country growth.

" A GREAT TEACHER GIVE THEIR STUDENTS ROOTS AND WINGS"

What is Teaching Profession?

Well, we all know that what it is Teaching Profession? But still, we need to be aware of more significance of the Teaching Profession.

Through the Teaching Profession, one can earn a better pay scale. Teachers encourage students to be dedicated to studies and passionate about their careers. Teaching is a profession and a mode to make students have more potential and learn important lessons even about life like respect, sharing, ethical values, and cultures.

Teaching is the most desirable Profession nowadays. The importance of the Teaching Profession includes fun and learning together. Being in the teaching profession doesn't mean you have to share your knowledge. Sometimes teachers themselves learn something new with teaching experience. Teachers play a vital role in student's life by helping them achieve their goals. Therefore, choosing the Teaching Profession offers endless career opportunities. However, Teaching is not the only Profession; in fact, it is the activity to serve education.

Professionalism in teaching will:

Improve Communication Skills:

Teaching is a systematic technique to communicate with more and more people. Thus, being in the teaching profession will improve communication skills. As a result, one can interact more confidently with others.

Increase knowledge and skills:

Teachers are only one who passes on their knowledge and skills to the young generation. Through this profession, teachers motivate and inspire students to focus and develop their natural abilities.

A learner itself: As learning has no boundaries, one can never stop learning. In the teaching profession also, the teacher can learn at any stage and age too. Even R.N. Tagore has said that "Lamp can never light another lamp unless it continues to burn its own flame same as a teacher can never teach unless he/ she is a learner".

Fun and learning together: Among all careers and professions, I found teaching much better. The Importance of the Teaching Profession is that one can experience fun and learn together. Besides instructing students, teachers can involve in other curriculum activities.

Experience to Handle Different Children: School or college is a place where different students with different mindsets reach. The teacher must have the ability to handle all children normal, intelligent, or physically disabled.

Excellent Organization Skills: The teaching profession makes one multi-tasker; in spite of teaching academics to students, teachers, and Organizational skills. Being organized means one can manage time and resources efficiently and effectively for better productivity.

Ethical and Disciplined: One characteristic of the teaching profession involves ethics and discipline. Teachers teach ethical values which make students more disciplined. Ethical behavior encourages students to know what is bad or good for them.

Build Future Leaders: Teachers are the source of influencing tomorrow's leaders. Teachers create classroom space and enable students to be educated and future responsible leaders.

A good teacher is the one who give their students roots and wings, Roots to know where home is, wings to fly away and exercise what is being taught to them. The duty of every teacher is to shape the future of the child in the four walls of the class rooms. A good teacher is remembered for his/her service in the days to come. Teaching is not a job it is a noble service. A teacher is always looked up as a guide. Teaching will become meaningful when it is done with love and affection. It is a commitment to human lives. It is a way of life that requires lots of sacrifice. It is a MINISTRY, needs your whole heart service.

Teaching is A Sense of Fulfilment - doing a job brings in money, prestige and security but it cannot give fulfilment. Teaching Profession gives a sense of fulfilment in life. It gives inner satisfaction and healing. It makes feel proud that your contribution to the society growth. It gives respect and reverence for the service done. Dedication is the hallmark of teaching. Love our teaching ministry first of all and our teaching will become effective if we do with dedication. All the works should be done with an interest.

Every child should be treated as equal and be a teacher who cares for every child. Dedication to work will make us more positive and flexible and children will be affectionate to us.

A teacher must be ready to learn from children anything that is new. Let every class be with information shared both by the teacher and student which is new – Learning will become interesting and a teacher should be able to accept the mistakes gladly and rectify the wrongs. Be a loving teacher who understands children needs. An effective teacher should Discover ourselves. A teacher must be ready to discover newness in teaching Making our class interesting with creative methodologies and increasing our knowledge about teaching and allow ourselves to be taught and educated.

Teaching should happen with love. Teacher becomes an inspiring person when he/she teaches his/her class with love for the children. The children love to listen to the teacher who teaches with great interest in their growth. The subject becomes easy for the children to learn when they like the teacher. Systematic way in teaching will enhance the quality of teaching- learning process. Never compromise discipline for anything. Our teaching ministry should be coupled with love and compassion. The Teacher- Be A Role Model who inspires the young hearts. The young generation today looks for Role models in life. Children are imitators and not interpreters.

We are the role models with whom children expect a lot. Students imitate us for the person we are and have a huge impact on the young minds. Have a Human touch and the teacher should have a tender heart to handle the children. The words uttered by a teacher creates a great impact in them and should not hurt them. Encourage them when they do well. Correct them with affection they will obey. Dealing with books, papers and ink is easy but students of flesh and blood, with tender hands and tender hearts is hard and challenging. But be ready to have a human touch in teaching profession that will transform the life of the ignited minds.

Setting up Role Model For Others is, being a teacher isn't much complex but being a favorite of all is what matters. Teachers should inspire students to found their hidden talents and achieve their aim. An inspired teacher can make students motivated by setting up Role models.

Always have a focus on Slow learners first. A teacher must be ready to walk extra a miles with the slow learners, be patient and teach them they will have a great regards for you as they grow up than the best learners. If the students do not like to learn, teach them how to learn for life. It would create in them interest for learning. Make them understand how education is important for their life. Bring in them liking for learning and the true spirit to be energized. Teach values and make every child a fully human in his/her dealing with people around. Every teacher must make it point to prepare extra and teach values along with the subjects and should make them understand Education is not mere passing of examination and scoring marks. It is the formation in divine and human values for life. TEACHER should be the force. The teaching profession must create in hearts of every teacher that you make every student to be future oriented, academically proficient, morally upright and socially responsible, culture and heritage sensitive and promoters of a better environment. Let every child feel that you care for them and make them realize their dreams, be the force for making them to drive towards their target.

Teaching is a noble profession that comes with so much responsibility and duty towards students. Teachers do not only teach and impart knowledge but inspire and motivate students for life and take important steps in life. They keep working to boost the confidence of students and direct them in the right direction.

Making Money in the Metaverse



The metaverse is an online world. It is a virtual space that you can go to and experience. You can go to it either through a screen like your computer, or you can put on a virtual reality headset and go in directly in virtual reality. Now, you can do a bunch of different things in the metaverse, you can go to a concert, you can have a meeting, you can play games with your friends, you can do an almost infinite number of things. And it is quite literally a virtual space where you can almost create anything.

It uses advanced virtualization and technologies (AR, VR, Haptic Sensors, etc.) to fully immerse the user into the virtual world. This means that the user can interact live with a world that is always there, and he can always access whenever he wants. The Meta-verse has enormous monetization potential for all stakeholders in its development and usage. Revenue generation opportunities range from very simple with low barriers to entry, to complex economic activities.

NFTs are important in the Metaverse for creating exclusive environments and enhancing the digital community and social experiences. NFTs are non-interchangeable units of data stored on a blockchain. By using metaverse; users will be able to turn any of their creations into an NFT and sell them in open marketplaces. The metaverse will rely on avatars, mansions, apparel, collectible cards, equipment among other digital items; thus increasing the income as well as economy.

It is believed that NFTs are here to revolutionize the art world, with artists earning as much as \$69 million from their pieces. I hope that you now understand just how lucrative the meta-verse is. You can quickly turn any of your creations, including memes, into digitized assets and sell them in several open marketplaces such as OpenSea.

Real estate has been booming for the major virtual world meta-verses such as Decentraland and Sandbox. Because of this, virtual real estate companies have been popping up. You can start helping people list their plots of land and make a nice

commission off that sale. One of the first uses of the metaverse has been fashion. High-profile fashion houses like Louis Vuitton and Gucci are already experimenting with virtual clothing in the form of NFT collections.

Gaming has also been another successful avenue for brand collaborations with initiatives like Burberry x Blankos Block Party and Valentino x Animal Crossing. But just about anyone can create a digital clothing line and generate revenue in the meta-verse. Even if you're not a fashion designer, you might enjoy coming up with different creations for your own avatars and help your friends customize theirs.

Currently, gaming is the leading activity in meta-verse like environments like Roblox and Fornite. Either by playing blockchain-based games or investing in meta-verse activities, users are able to collect and trade in-game assets in return for tokens that could have real-world value, as in the case of play to earn games. You could also make money by building games others to play and enjoy in the meta-verse.

The meta-verse is the perfect breeding ground for entrepreneurs. Users can open stores and kick start their businesses more easily than in the real-world. Be that in fashion, sports collectibles, real estate or entertainment, there are an infinite number of businesses that can help you earn money in digital worlds.

Entertainment is one of the most lucrative industries in the world. From some recent concerts, it is clear that artists are taking advantage of Meta-verse. This innovation is ready to revolutionize the art and music industry. Twenty years ago, no one could have imagined that we would see artists performing in front of millions of fans and making money in the entire virtual world.

In the meta-verse, you can cross borders — or even time — without having to leave your home. For example, you can visit the Grand Canyon, Great Wall of China, Stonehenge, Pyramids of Giza and more within an hour, or even experience historical events that are recreated in virtual worlds — be it the eruption of Mount Vesuvius or the American Civil War.

Meta-verse has a huge scope in the education sector and thus one can surely make money out of it. If you are expert on any subject and can create AR/VR content then you can make some good money out of Meta-verse. The Meta-verse is an alternative reality that supplements the real world. It is built on the same technology as Second Life, and people can create objects in one place and use them in another.

The Meta-verse is a place where you can be anyone, do anything and go anywhere. You can also earn money here by selling your skills, goods or services. This is a wonderful opportunity for people who want to make money in the virtual world.

So, as you can see, there are a variety of ways that users can make money in the meta-verse. Whether you're a seller or business promoter, there's definitely a way for you to earn some extra cash! Be sure to explore all of your options and find the best way for you to participate in this amazing virtual world.



PERSISTENCE

Definition: The fact of continuing in an opinion or course of action in spite of difficulty or opposition

OR

Persistence is defined as "voluntary continuation of a goal-directed action in spite of obstacles, difficulties, or discouragement"

Just as fear is a prerequisite for courage, challenge is a prerequisite for perseverance. Simply measuring how long someone sticks with a task does not adequately capture the essence of perseverance because continuing to perform something that is fun or easy does not involve the overcoming of obstacles or disappointment.

Persistence and Success

It was tempting to begin this newsletter with a "little-engine-that-could" story about some famous person who began his or her career with nothing but achieved great success through dogged perseverance. By now we know that Thomas Edison did not invent the light bulb on his first try; rather, he put more than 6,000 substances to the test before he discovered that carbonized cotton thread makes a nice filament for the electric light bulb. "Genius is 99% perspiration and 1% inspiration." Whether or not Edison actually said this is open to debate, but the message is undeniably attractive. Attractive, yes, but is it true?

To be more accurate, the 99% perspiration/1% inspiration formula needs to make room for the strength of wisdom/perspective. Persistence needs a partner. Some goals are truly impossible to reach, and some outcomes are simply unavoidable, and it takes wisdom to know when it is time to quit and move on to something else (Janoff-Bulman & Brickman; 1982). As Kenny Rogers says, "You got to know when to hold them and know when to fold them."

Persistence and Self-Esteem

In general people with higher self-esteem are more likely to persist on a difficult task than people with lower self-esteem. This seems intuitive. If you believe you are a competent person with a good chance of succeeding at most things, you are less likely to quit. What seems less intuitive is the following finding: People tend to persist longer at solving problems when they are told that what they are doing is difficult as opposed to easy.

Why? Failing at a task that everyone else finds easy can be humiliating and damaging to self-esteem. In contrast, there is minimal shame when one fails a widely acknowledged difficult task (Starnes & Zinser, 1983; Frankel & Snyder, 1978). A pernicious phenomenon

called self- handicapping is a particular instance of failing to persist. Most often the term is used in the context of a failure to be persistent at practice or in preparation for a major task. Again, self- esteem comes into play. If one fails to persist in studying before a major exam, then failure can be explained (and self-esteem preserved) by blaming the failure on lack of practice rather than low ability.

Persistence and Rewards

When individuals have been rewarded in the past for effort (sticking with a task), they are more likely to persist on a future task-even if that future task is not directly related to the first (Eisenberger, 1992; Eisenberger & Selbst, 1994).

Remember this if you are an employer or a parent! But also remember that some rewards are better than others.

Certain extrinsic rewards undermine persistence. People who perform tasks for money, prizes, or awards tend to lose interest in performing a task for its own sake (Deci, 1971; Harackiewicz, 1979; Lepper, Greene, & Nisbett, 1973). If the reward becomes unavailable, then persistence drops off sharply. In contrast, persistence is encouraged when a reward conveys positive feedback about competence and increases the intrinsic motivation for doing the task.

Developing Persistence

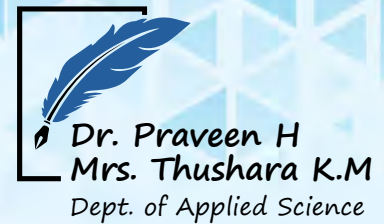
- The following exercises for building persistence were adapted from a list provided by psychologist Jonathan Haidt at the University of Virginia:
- Finish a project ahead of time.
- Notice your thoughts about stopping a task, and make a conscious effort to dismiss them. Focus on the task at hand.
- Begin using a time management aid of some sort (a palm pilot, a daily planner, etc.). Find a system that works and actually use it.
- Set a goal and create a plan for sticking to it.
- When you wake up in the morning, make a list of things that you want to get done that day that could be put off until the next day. Make sure to get them done that day.

“Persevere” is persistence despite significant obstacles and challenges, while “persist” is simply continuing along a particular path or endeavour. Example might be that one persists despite being asked not to do something, while someone else might persevere in doing that something even though the person has been tormented\

It is so ironical yet so similar that how these two words are related. All the successful people around the world agree on the fact that to achieve one’s goal one must persist and persevere, despite the difficulties one goes through in life.

The Greatest examples are Lionel Andrés Messi, Cristiano Ronaldo dos Santos Aveiro, Michael Jordan, LeBron James, Kobe Bean Bryant, Muhammed Ali, Mike Tyson

THE COMPLIMENTARY RELEVANCE OF NANO IN ENGINEERING TECHNOLOGY



Many studies show that nanotechnology will shape the future of this world within the framework of a technology revolution, and the world is currently witnessing a hectic race between research institutes and industry to exploit it in new industries and products. The cornerstone of the impending industrial revolution is the nanotechnology strategy. The importance of this contemporary technology is that it is inexpensive compared to other traditional technologies and its economic returns are rather high. Nations all over the world now acknowledge that nanotechnology and its products will be the destiny.

Nanotechnology's relevance in electronics

It turns out to be incredibly promising to use nanotechnologies to improve electrical energy storage devices like batteries and super-capacitors. The lithium-ion technology is thought to be the most promising sort electrical energy storage due to the relatively high voltage and the remarkable energy and power density.



Intrinsic Utility of Nanotechnology for Electrical Engineering

The transformer industry has the potential to deploy nanotechnologies to strengthen material aspects, which could culminate in a compact design for the transformer and low manufacturing costs. The insertion of conductive magnetic nanoparticles along with other nanoparticles at positive lightning surge voltage will enhance the breakdown voltage of transformer mineral oil.

Over View of Nano – Mechanical Engineering

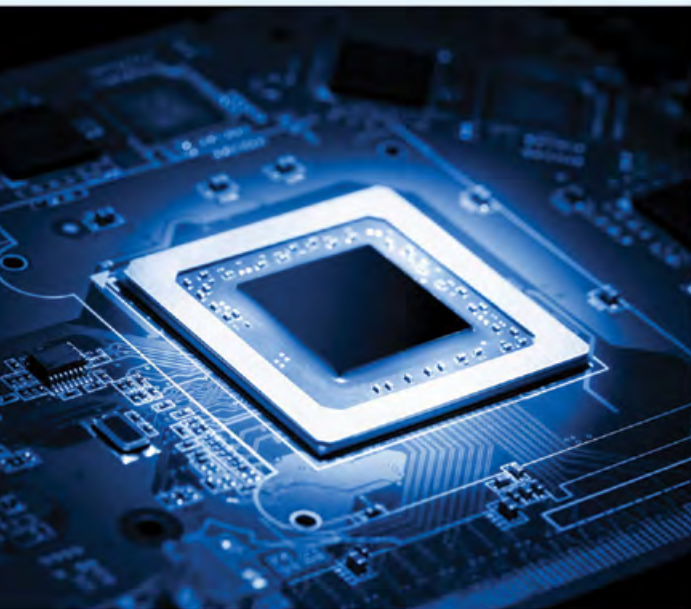
The development of high-performance steel with a fine-grain structure and/or self-organization of strengthening nanophase using nanotechnology concepts and metallurgical methods have accelerated. These techniques include mechanical pressure treatment, high temperature treatment, and nanoprocesses for micro alloying and steel smelting.



Perspective of Nano in Computer Science

Nanotechnology is used to create memories, chips, and sensors for computer systems. The significance of computer technology solutions and algorithms in simulating nanoparticles behaviour and assessing its aspects is the objective of the second aspect.

A single tiny nano chip that contains all of a computer's memory can be created, making the system significantly faster, more potent, and more energy-efficient.



Engineering employing nanotechnology has the potential to influence production and processes in a diverse range of industries in addition to enhance the functionality of certain products thus nanotechnology plays vital role in technologies.

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