

MODERN EDUCATION SOCIETY's
Wadia College of Engineering

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Department of Electronics & Telecommunication

Newsletter Volume – 20 Issue 29, Jun-Dec 2024

VISION

To Groom - Motivated, Environment friendly, Self-esteemed, Creative and Oriented Engineers.

MISSION

To Develop Industry Oriented Manpower to accept the challenges of Globalization, by promoting Value Education through motivated trained faculty, by maintaining conducive environment for education at affordable cost, by promoting Industry Institute interaction, by involving alumni.

PATRON

Dr. M. P. Dale (Principal)

EDITORS

Prof. B.M.Narute
Prof. U. D. Dattasamje

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FROM HOD'S DESK

It gives me immense pleasure to share a few words for our newsletter. Education plays a vital role in preparing individuals to face real-life challenges with knowledge and confidence. Today's era, driven by Artificial Intelligence and Machine Learning, has witnessed rapid advancements in internet, wireless communication, and information technology. Technologies once limited to supercomputers are now accessible through handheld devices, while innovations in integrated circuits have transformed industries—from space exploration and automobiles to communication and global connectivity.

In this dynamic landscape, MESCOE has made remarkable progress in academics, co-curricular, and extracurricular domains. The Department of Electronics & Telecommunication proudly holds NBA accreditation and contributes to the institute's NAAC A++ recognition.

Our department actively encourages holistic student development through initiatives like ASTITVA, ETSA, and various technical and extracurricular clubs such as ROBOCLUB and E-BAJA.

I extend my best wishes to all readers for continued success and greater achievements in the future.

Dr. Pranoti P. Mane
HOD, E&TC

FROM THE EDITOR'S DESK

Greetings,

Through this newsletter, I am pleased to present a reflection of the various activities carried out by our department during the last semester. This publication, planned to be released twice a year, aims to provide a snapshot of the key developments, achievements, and progress within the E&TC Department.

I am delighted to stay connected with you through this edition of the Newsletter 2024–25, Semester I which highlights the efforts and accomplishments of the semester.

I sincerely appreciate your continued support and welcome your valuable feedback.

Prof. B. M. Narute
Prof. U. D. Dattasamje

FROM THE STUDENT'S DESK

Dear Readers,

I am pleased to present this edition of our department newsletter. It highlights the achievements, activities, and creative efforts of our students and faculty. We hope these stories inspire learning, innovation, and active participation in our academic community. Thank you to everyone who contributed to making this issue possible.

















Warm regards,

Omkar Parande

STAFF MEMBERS

Sr. No.	Abbreviations	Full Name
1.	MPD	Dr. Manisha.P .Dale
2.	PPM	Dr.Pranoti.P. Mane
3.	PBC	Dr. Pravin.B. Chopade
4.	PNK	Dr.Prabhakar.N. Kota
5.	BMN	Prof. Bharati.M. Narute
6.	SND	Prof. Shrinivas. N. Dharwadkar
7.	KST	Dr. Kanchan. S. Tiwari
8.	AAD	Prof. Aparna. S. Kulkarni
9.	RSK	Dr. Rekha. S. Kadam
10.	SSP	Prof. Sunil. S. Pansare
11.	UVB	Prof. Usha. V. Bomble
12.	NM	Prof. Nabega. Masood
13.	YMA	Prof. Yogita. M.Ajgar
14.	UDD	Prof. Uma. D.Dattasamje
15.	MMD	Prof. Mrinai. M.Dhanvijay
16.	PMB	Prof. Priyanka.M. Bagul
17.	PST	Prof. Priyanka. S. Tondewad
18.	NPJ	Prof. Namrata P. Jangale
19.	SST	Prof. Sukruti. S. Taori
20.	VHK	Prof. Vaishali. H. Kamble
21.	AVS	Prof. Akshata. V. Salunke
22.	PSD	Prof. Puja Deokate
23.	SDG	Prof.Suchita D. Ganage
24.	GK	Prof. Gauri Kulkarni
25.	KPS	Prof. K.P.Sinde

CLASS TOPPERS :

Toppers of SE					
					
KALE AISHWARYA VIJAY	DESHMUKH AMOD RAJENDRA	SUBANDH DHHRUV DEEPAK	SUTAR AKSHATA ABASO	GHUBLE SUJAL VIJAY	GUMASTE PRADNYA SANJAY
SGPA: 9.36	SGPA: 9.36	SGPA: 9.3	SGPA: 9.2	SGPA: 9.07	SGPA: 8.98
Toppers of TE					
					
NAIK DEVANSH PARESH	SWAPNIL DHONDIRAM AKHADE	RATHORE DIVYANSHI RAMESH	KARANDIKAR ANKUR YOGESH	POPALGHAT VISHNU SANTOSH	
SGPA: 9.57	SGPA: 9.45	SGPA: 9.24	SGPA: 9.12	SGPA: 9.1	
Toppers of BE					
					
ANJALI SURYAKANT JADHAV	SALGARKAR SUDNYA RAJKUMAR	THANVI KHUSHAL RAJENDRA	BALGUDE PRANJAL VILAS	DAREKAR SANKET RAVINDRA	
SGPA: 9.29	SGPA: 9.23	SGPA: 9.22	SGPA: 9.16	SGPA: 9.10	

List of students placed in various companies

Sr. No.	Student Name	Company Name	Package
1	Abid Afsar Shaikh	Amazon	3.82
2	Akshada Satish Phadatare	Capgemini	4.25
3	Disha Pramod Kumbhakarna	Capgemini	4.25
4	Divyanshi Ramesh Rathore	Capgemini	4.25
5	Preeti Mahesh Borse	Capgemini	4.25
6	Sreeja Ronanki	Capgemini	4.25
7	Tanishka Totankumar Bhowmick	Capgemini	4.25
8	Tejasvi Santosh Jadhav	Capgemini	4.25
9	Vaishnavi Vijay Bavalekar	Capgemini	4.25
10	Vrushali Sunil Jadhav	Capgemini	4.25
11	Jyotika Kumari	Amazon	3.82
12	Ashlesha Vinay Parab	Infosys	3.6
13	Mayuri Makarand Kadam	Infosys	3.6
14	Nikita Subhash Panchakshare	Infosys	3.6
15	Simintini Balasaheb Pangare	Infosys	3.6
16	Kirti Bhimashankar Manakoji	Tech M	3.25

SWET KUMAR awarded in Inter group competition Gold medalist in Remote Control Aermodelling held at Saoner, Nagpur in 2024. He represented Maharashtra directorate in All India Vayu Sainik Camp 2024 held at Yelahanka airforce station, Bengaluru - (secured 4th position among the 16th directorate in RC Aermodelling).



Faculty Achievement / Special Work :

Faculty Achievement:-

I) International Conferences/National conference:

Name of the teacher	Title of the paper	Name of the conference
Dr. Pranoti Mane	Skin Profiling and product Advice Using Deep Learning	FICTA-2024
	Intelligent Recipe Recommendation System with Health Insights Using Transfer Learning and Ensemble Learning	5th International Conference on Data Analytics ICDAM-2024
	Diebetic Retinopathy Classification Using Quantum Assisted Deep Learning (Hybrid Model)	12th International Conference on Frontiers of Intelligent Computing: Theory & Applications (FICTA-2024),

II) Publications (Journal):

Title of paper	Name of the author/s	Name of journal
Evolution in Children Fingerprint Recognition Approaches: A Review	Dr M P Dale	International Journal of Computing and Digital Systems
Performance and Reliability Analysis of NAND flash memory through characterization	S. D. Ganage	Jou. of VLSI Design Tools and Technology
AI And Machine Learning for Optimizing Renewable Energy Systems in Engineering Management	S. D. Ganage	Nanotechnology Perceptions
Design thinking on water management for researching problem spaces and Implementation space	Prof.. B.M. Narute	Journal of Oriental Institute
Enhanced Detection and Segmentation of Brain Tumors Using a Dense BW-CNN Approach,	Dr. Pranoti Mane	Journal of Engineering
Mathematical Modeling of Electrical Power Systems for Fault Detection	Dr. Pranoti Mane	Communications on Applied Nonlinear Analysis
Reversible Logic Gates and Applications – A Low Power Solution to VLSI Chips	Dr. K. S. Tiwari	Mathematical Modelling of Engineering Problems

III) Special Achievement:

Patent Publication

Sr.No	Name of the Faculty	Patent details	Published Date	Country	Patent Title
1	Yogita Ajar	427915-001	23/8/2024	India	AI BASED DEVICE FOR CLOUD SECURITY DETECTION
2	Yogita Ajar	6407722	5/12/2024	UK	Electronic Stethoscope for Tele health check up
3	Dr.Priyanka Bagul	6407722	5/12/2024	UK	Electronic Stethoscope for Tele health check up
4	Dr. Pranoti Mane	202441093854	13/12/2024	India	AI Based Scalable Method and System for Text and Media Generation

Design Patent on “*Artificial Intelligence based Organic Compost Machine*” Accepted and Published, Journal No is 36/2024 and Journal Date is 06/09/2024 by Dr. Prabhakar Kota and Team. Sponsorship received of Embedded Development kits from Fourfront Pvt. Ltd. as a part of CSR activity. Worth Rs. 6 lacs approx.

ICT Academy - Microsoft Cyber security Training for Educators successfully completed by Prof. Nabega, Prof. Bharati Narute and Prof. Umadevi.Dattasamje

Dr. P. M. Bagul successfully defended viva-voce of PhD on 2nd July 2024.

WORKSHOP / FDP ATTENDED :

Sr. No	Name of teacher	Name of conference/ webinar/FDP/FOW/workshop attended
1.	Y.M. Ajar	Capacity Building Program in Cyber security & its investigation
		One week International level FDP on AI Innovations and MATLAB Solutions
		One week online STTP on Strategies to Enhance Industry Academia Linkages approved by ISTE
		FDP on Advance Tools and Techniques for Research Methodology
2.	Umadevi Dattasamje	Free -Microsoft Cyber Siksha (under CSR) Training program by ICT-ACADEMY: participated and trained to the students
3.	Bharati Narute	Free -Microsoft Cyber Siksha (under CSR) Training program by ICT-ACADEMY: participated and trained to the students

4.	Dr. P. M. Bagul	One week International level FDP on AI Innovations and MATLAB Solutions
		One week online STTP on Strategies to Enhance Industry Academia Linkages approved by ISTE
		FDP on Advance Tools and Techniques for Research Methodology
5.	Dr. P.N.Kota	Exploring IoY & 5G using AI, ML

DEPARTMENT ACTIVITIES:

Parent Meeting:

On September 23, 2024, a parent-teacher meeting was held in classroom 315 to discuss student performance, attendance, and career preparedness, including internships and final-year projects. Faculty utilized digital invitations and direct communication to engage parents in comprehensive reviews of their wards' academic and co-curricular progress.



Photo #01: Faculty with Parent



Photo #02: Interaction with Parents

Guest Lectures :-

1. Company Specific Training (Accenture)

An Accenture trainer led 172 students through a rigorous full-day workshop covering logical reasoning puzzles and technical coding logic. After developing pseudo-code solutions over three hours, students finalized the session with a 30-minute high-pressure live programming implementation to sharpen their practical proficiency.



2. Guest Lecture on 'Cloud Computing'

On October 21, 2024, the E&Tc Department at Wadia COE hosted a guest lecture by corporate trainer Mr. Gopal Sonkavade on cloud computing industrial applications. The session provided BE students with deep insights into cloud services and emerging career opportunities within the software industry.



3. Guest Lecture on 'Opportunities in Networking Domain'

On October 21, 2024, corporate trainer Mr. Gopal Sonkavade conducted a guest lecture for TE E&Tc students on industrial applications and career opportunities within the networking domain. The session focused on server applications and provided practical insights into the software skills required to excel in the networking industry.



4. Guest Lecture on 'Deep Insights of Database Management'

On October 18, 2024, MESCOE hosted a technical guest lecture on "Deep Insights of Database Management" for first-semester students at Computer Centre Hall 518. The session achieved a 0.7 attendance-based attainment rate, with final success measured through a combined evaluation of participation and student feedback.

5. Competition Name: AeroThon

Team Aviate from M.E.S. Wadia College of Engineering secured All India Rank 1 at the AeroThon 2024 Phase 1 technical presentation in Bengaluru. Their expert design methodology and performance analysis earned them a top spot among national institutions, officially qualifying the team for the Phase 2 competition.



6. Job opportunities and Skills required in Embedded System

On 13th August 2024, a guest lecture on "Job Opportunities and Skills Required in Embedded Systems" was conducted by Mr. Kedar Naphad, a Senior Embedded Engineer from Magna Solutions Pvt. Ltd. The lecture aimed to provide insights into the current job market in the field of embedded systems and the essential skills required to excel in this domain.



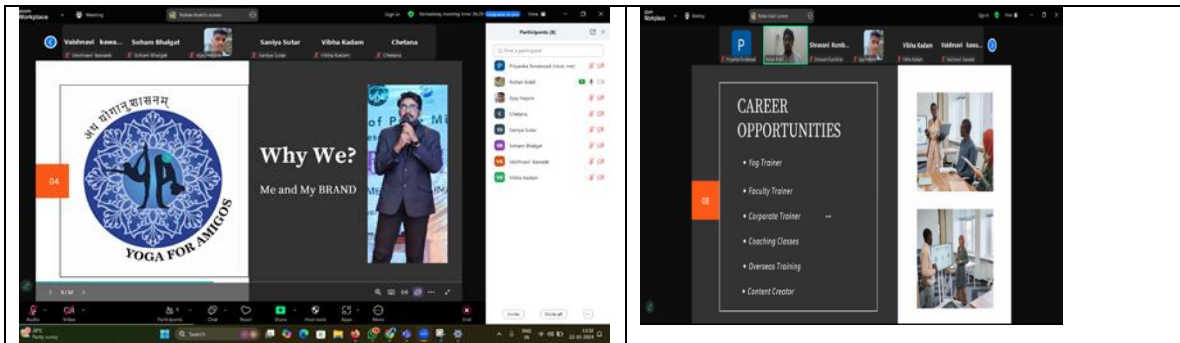
7. Guest Lecture on 'Unlocking your potential'

Prof. Priyanka S. Tondewad facilitated a session on market research and strategic startup development, focusing on the roles of geographic location and target audience. Participants learned to refine ideas into socially impactful, market-ready solutions through innovation competitions and research paper recognition.



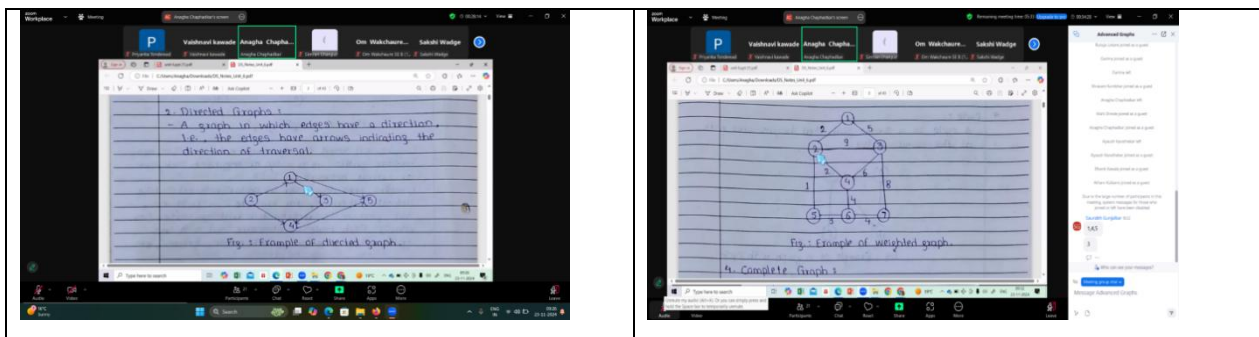
8. Guest Lecture on 'Power of marketing through social media and brand management'

Rohan Kokil, founder of "Yoga for Amigos," shared his journey from CA aspirant to entrepreneur, emphasizing yoga's role in personal transformation and mental health. He demonstrated how social media and WhatsApp communities can effectively scale a wellness startup, using his own 1,000-member community as a primary case study.



9. Guest session on ‘Graphs in Advanced Data Structure: Types, Storing & Traversal’

Prof. Anagha Chapadkar conducted an interactive session on graph theory, covering fundamental terminologies, graph types, and traversal methods like BFS and DFS. By linking these concepts to real-world applications, the lecture provided students with a practical understanding of how graph structures drive essential computer science solutions.



10. Guest session on ‘Problem solving through C’

Dr. Poonam Ponde conducted a guest lecture focused on translating real-life entities into programming logic through structured problem-solving. The session emphasized breaking down complex challenges into manageable tasks by designing efficient algorithms and flowcharts.



Co-curricular Activities:

1. Microsoft ICT Cyber Shiksha Inauguration Function

On August 13, 2024, MESWCOE launched the "Microsoft ICT Cyber Shiksha" program with a keynote by Dr. Anil Gupta on the vital role of cybersecurity in the startup lifecycle. The initiative trains faculty mentors to bridge the gap between academia and industry, focusing on securing ventures from the prototype stage to market readiness.



2. IIC Activity

Mr. Nikhil Jain led a guest lecture on navigating the startup lifecycle, emphasizing the distinct support provided by incubators and accelerators. The session highlighted key government resources like the Startup India Seed Fund Scheme (SISFS) to help students transform innovative ideas into market-ready ventures.



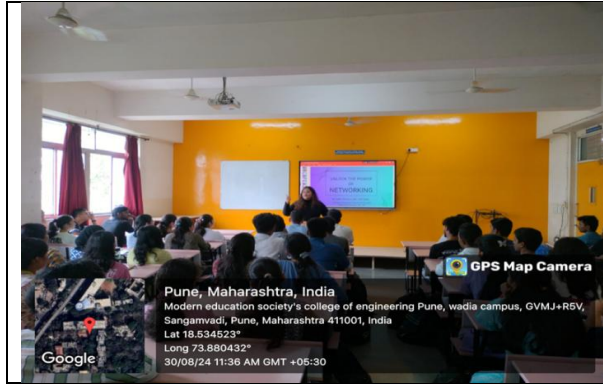
3. SDA Activity

Ms. Neha Zende, CEO of Sinrem Tech, conducted a session on entrepreneurship and design thinking, using examples like the Tata Nano to contrast innovative and traditional problem-solving. The lecture emphasized that business acumen—built through knowledge and experience—is essential for overcoming mental barriers and achieving professional success.



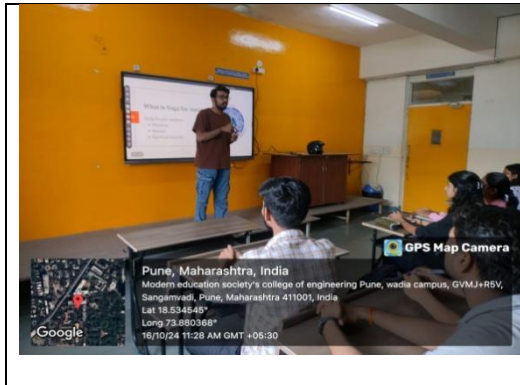
4. IIC Activity- SDA

Ms. Isha Oswal's guest lecture at MESCOE emphasized that professional success relies on proactive networking and mutually beneficial relationships. The session highlighted how mastering verbal, written, and digital communication serves as a roadmap for building a strong personal brand and thriving within the modern professional landscape.



5. IIC Activity- SDA

MESWCOE – IIC Innovation cell organized an offline Guest session on Topic “**Finding your passion and how to scale it**” on 16th October 2024 from 11:50am to 1:15Pm through IIC. The guest of Honour is an eminent speaker Mr.Rohan Kokil.



6. IIC Activity- SDA

MESWCOE – IIC Innovation cell organized an offline Guest session on Topic “**Start-up Agreements, Drafting and IP**” on 17th October 2024 from 10:00am to 12:00Pm through IIC. The guest of Honour is an eminent speaker Advocate Vidhi Jain.



7. CAMPUS RECRUITMENT TRAINING 2025

Seed Infotech's 60-hour recruitment training provided 53 students with intensive aptitude coaching and soft skill development, featuring the "PREP" and "PPF" communication methods. The program bridged the gap between academic theory and professional readiness through practical mock interviews and group discussions tailored for upcoming campus placements.



8. SAE India AeroTHON 2024 Phase-II Competition

Team Aviate from M.E.S. Wadia College of Engineering secured a Top 5 finish at the SAE India AeroTHON Phase-II by successfully completing complex manual and autonomous UAV missions. Their technical performance under challenging conditions led to significant industry recognition, including internship offers and sponsorship interest from global firms like Ansys and Hexagon.



Workshop:

Microsoft ICT Cyber Shiksha

The "Microsoft ICT Cyber Shiksha" program, launched on August 13, 2024, successfully trained 42 selected students through an intensive 18-day curriculum led by Mr. Gopal Sonkawade. By providing seven hours of daily instruction, the initiative effectively bridged the industry-academia gap, concluding on 4 October 2024 with all participants gaining critical cyber-security expertise.



Industrial Visit:

Dr.P.P.Mane, Y.M.Ajgar, Dr.P.M.Bagul Visited to ARAI, Bhavani Industries on 27/8/2024



Extra-Curricular Activities:

1. Activity: Saraswati Pooja and Ayudh Pooja (Navratri/Dussehra 2024)

On October 11, 2024, the Computer Engineering Department celebrated Ayudha and Saraswati Puja by honoring academic and technical instruments through traditional rituals and offerings. The event fostered a strong sense of community among staff, marking the conclusion of the Navratri festival with symbolic cultural exchanges and the worship of departmental machinery.



2. Activity: Celebration Of Teacher's Day Date: 5th September 2024

Teacher's day is celebrated as a tribute to the valuable contribution made by teachers to the society by imparting knowledge and enlightening and shaping the career of students. This year on behalf of the Modern Education Society, we have celebrated "Teacher's Day" on 05th Sept. 2024.

3. Activity: Independence Day Celebration Date: 15/08/2024

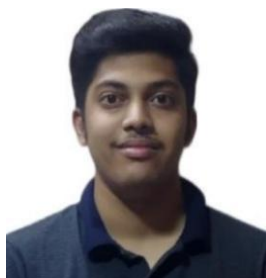
On the occasion of Independence day, flag hoisting was held on 15th August 2024 at 7:50 AM. College staff and student were present for the flag hosting. Flag hosting was done by respected Principal Dr.M. P Dale madam



Editorial Student Team – E&TC Newsletter



Omkar Parande



Subandh dhruv deepak



Sanika Dhaiture



Shruti NAik



Disha Patil

PROGRAM OUTCOMES (POs)

1.Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

2.Problem analysis: Identify, formulate,review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

3.Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4.Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

5.Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

6.The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

7. Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

9. Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

10.Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

11.Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

12.Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSOs)

1. Apply concepts and knowledge of mathematics, basic electronics engineering to various areas like Signal processing, Embedded Systems, VLSI, Communication engineering etc.
2. Design and analyze electronic engineering problem with given specification
3. Implement Electronic and Communication system using appropriate hardware and software tools, keeping in mind it's societal and environmental effect.