



**Laxmi Charitable Trust's**  
**Sheth L.U.J. College of Arts & Sir M.V. College of Science & Commerce**  
**Dr. S. Radhakrishnan Marg, Andheri (East), Mumbai 400 069.**

## BEST PRACTICES

### Practice 1

1. **Title of the practice:** "ElectroWarriors- A proactive approach in tackling Electronic Waste"
2. **Objective of the practice :**
  - To raise awareness about e-waste management.
  - Collect and responsibly recycle e-waste in collaboration with "Regreen Recycling Pvt. Ltd."
  - To work together to raise awareness with the institution adjacent to ours.
  - To help preserve the environment's natural resources.
3. **The Context :**
  - The IQAC committee proposed "Electrowarriors - A Proactive Approach in Tackling Electronic Waste" to align with common goals for a sustainable future in 2023-24.
  - In line with this, our college, in collaboration with Regreen Recycling Pvt Ltd, hosted a intercollegiate webinar on October 14, 2023 to raise awareness on E-waste.
  - On the same day, MVLU College launched an E-waste drive in collaboration with Regreen Recycling Pvt Ltd.
  - Students in the Initiative were equally urged to take part in the campaign and the college festivities, VIBES, while closely adhering to the "E-Waste." To raise awareness, VIBES has chosen the topic of "Electro Warriors" this year.
  - The project emphasized the significance of properly disposing of e-waste when it is no longer in use.
  - This endeavour was extended to the current academic year, 2023-24.
4. **The Practice :**
  - The IQAC informed all departments about this goal at the start of the academic year.
  - The college Principal, Dr. Mahendra Kanojia, and the IQAC coordinator, Ms. Manisha Sayani, assigned Assistant Professors namely Merina Gheevarghese, Sneha Gokarnakar, Shwetha Kopade, Dr. Priyanka Vartak , and Charmy Shah, along with a team of students, to manage the initiative for the academic year.
  - As part of this project, our college and Regreen Recycling Pvt. Ltd. signed a Memorandum of Understanding for the academic year 2023–2024 to appropriately gather and dispose of e-waste.
  - As part of the initiative's expansion, awareness with regard to the occasion of Sustainability Day, which is October 25, 2023, Asst.Prof.Merina Gheevarghese addressed the students and teachers of 'Vissanji Academy' in the morning assembly about e-waste management and practical methods for recycling them.
  - Furthermore, a collaboration letter was signed to carry out E-waste initiative-related activities with Vissanji Academy.
  - MVLU College students and professors donated E-waste to the bin provided by Regreen Recycling Pvt. Ltd.
  - The initiative aimed to educate students that, if not handled carefully, e-waste can be harmful and hazardous.
  - Effective collaboration among teachers, non-teaching staff, and students was key to achieving the goals.



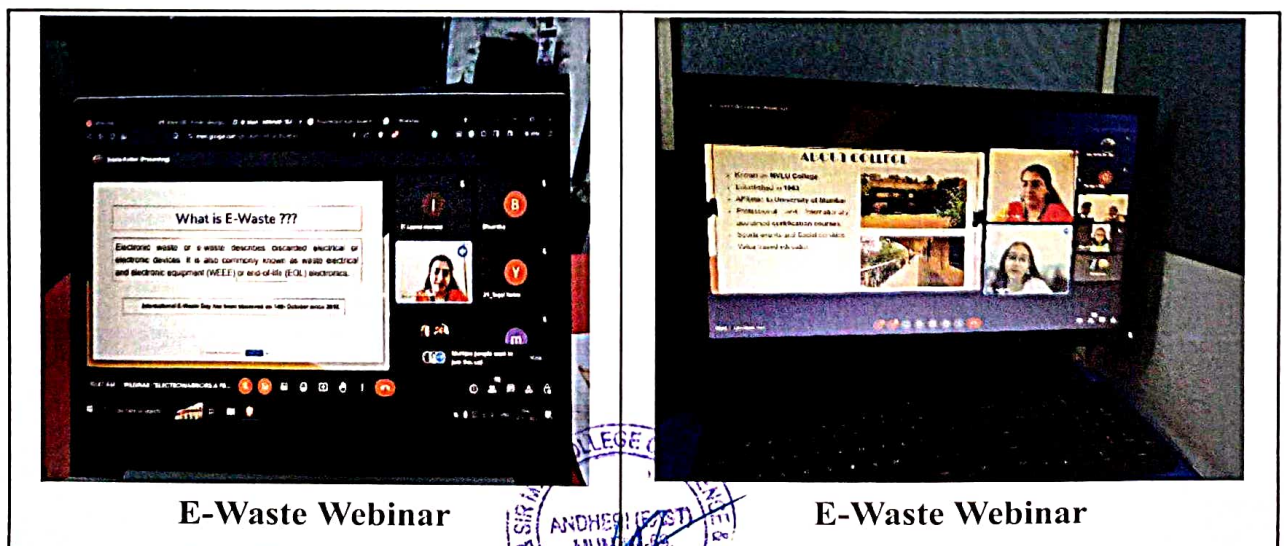
## 5. Problems Encountered and Resources Required :

- After educating students, teachers, and parents on safe E-waste management approaches, monitoring and follow up is the difficulty.
- Storing E-waste responsibly was a challenge.

## 6. Evidence of Success :

- The method for addressing issues was executed through goal formulation and planning activities, such as,
- On October 14, 2023, International E-Waste Day, an intercollegiate webinar was held in partnership with IQAC. Mrs. Sujatha Rahul Kotian, an enthusiast for e-waste and the Head of Data Science and Artificial Intelligence at R. J. College in Ghatkopar, assisted us in considering the effects of e-waste and the steps that must be taken to improve e-products' circularity. Additionally, we learned from each other what contributions the world needs from us regarding electronic waste and its management.
- MVLU College initiated an E-waste campaign in conjunction with Regreen Recycling Pvt. Ltd. on October 14, 2023, following the signing of an MOU.
- The endeavour was extended to the current academic year, 2023-24. Students, teachers, and non-teaching staff all actively participated in the e-waste collection.
- Our College and Vissanji Academy students and teachers also contributed.
- Our "ElectroWarriors Vibes Fest 2024" included an e-waste drive, expanding on this theme.
- During the Vibes event, Asst. Prof. Merina Gheevarghese spoke about the "ElectroWarriors- A proactive approach in tackling Electronic Waste" initiative. She encouraged visitors to view an exhibition including models constructed from E-waste by MVLU students.
- This year's Vibes Fest featured the E-waste Art Expo event, where students from our college and other colleges created models out of electronic waste in the given time limit. The event was managed by student event coordinator Mr. Purav Dhanki along with teacher coordinator Asst. Prof. Merina Gheevarghese.
- The participants got a deeper understanding of e-waste management and its challenges and actively contributed to the drive.
- All participants got Electrowarrior E-certificates for their active contributions to a sustainable future.
- The student's participation and the desire of all stakeholders involved to cooperate were crucial to the initiative's success.

## “ElectroWarriors- A proactive approach in tackling Electronic Waste”



RA



**E-Waste Collection**



**E-Waste Drive in Vissanji Academy**



**E-Waste Drive in Vissanji Academy**



**Teachers and Volunteers participated in E-Waste Drive**

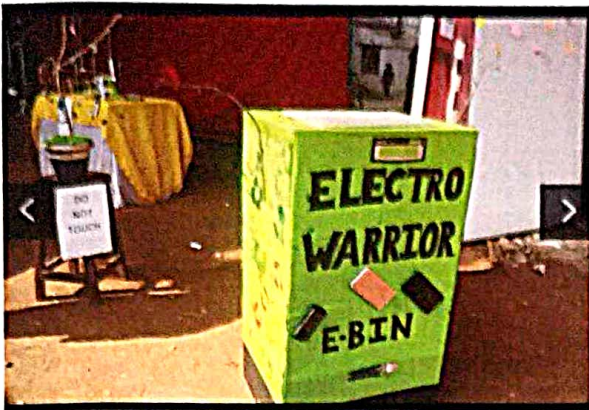


**E-Waste Drive**



**E-Waste Drive**





E-Waste Drive during Vibes Intercollegiate fest



E-Waste Drive during Vibes Intercollegiate fest



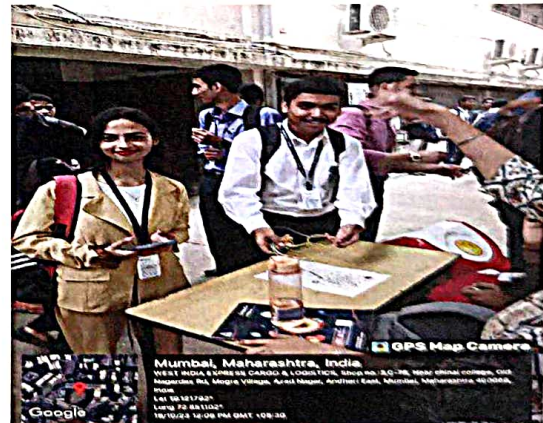
E-Waste Drive during Vibes Intercollegiate fest



E-Waste Drive during Vibes Intercollegiate fest



E-Waste Drive



E-Waste Drive





**REGREEN RECYCLING PVT. LTD.**  
Office No. 123, 1st Floor, Bldg No.4,  
Commercial Complex, Below Annex Hotel,  
Road No. 7, MIDC, Andheri (E), Mumbai - 400 093.  
Mobile: (+91) 9819787816 (+91) 9819785659  
E-mail: info@regreenrecycling.com  
Website: www.regreenrecycling.com  
CIN NO : U37100MH2021PTC359868  
GSTIN NO: 27AAKCR9816L1ZM

Collaboration Letter

Date: 13-10-2023

Dear Sir/Madam,

I hope this letter finds you well. I am writing on behalf of ReGreen Recycling Private Limited, an environmentally conscious organization committed to promoting sustainable practices and responsible e-waste management. Our company is at the forefront of efforts to reduce the impact of e-waste on the environment by promoting the recycling and proper disposal of electronic devices.

We are excited to be approaching Sheth Laherchand Uttamchand Jhaveri College of Arts and Sir Mathuradas Vissanji College of Science & Commerce (MVLU College) with a proposal for a joint initiative that we believe will not only benefit our local community but also enhance the educational and environmental awareness of your students and staff. We are proposing a partnership between our organization and MVLU College to conduct an E-Waste Drive on your campus.

The E-Waste Drive will aim to achieve the following goals:

- 1. Environmental Education:** The College will engage and educate MVLU College/Mumbai University students and staff about the importance of responsible e-waste disposal and its impact on the environment.
- 2. Collection and recycling:** Set up e-waste collection points on your premises for suggested electronic waste such as old smartphones, laptops, printers, and other electronic devices. We will ensure proper recycling and disposal of collected items in an ecological and certified manner.
- 3. Sustainability Initiatives:** Encourage students and staff to engage in sustainability efforts and raise awareness of e-waste reduction through responsible use and recycling.

If you find this proposal in line with the values and mission of your institution, we welcome this opportunity to work together.

Thank you for considering this proposal. We look forward to the potential of working together to create a positive impact on our environment and community.

Regards,  
ReGreen



Recycling Unit : S.No. 10/11, Plot No. 14, Choudhary Industrial Estate Vasai (East) Palghar - 401 280.



Laxmi Charitable Trust's

Tel.: 6699 2022

**SHETH L. U. JHAVERI COLLEGE OF ARTS  
AND  
SIR M. V. COLLEGE OF SCIENCE & COMMERCE**  
Dr. S. Radhakrishnan Marg, Andheri (East), Mumbai - 400 069.

Associate College : Shri Chinai College of Commerce & Economics, Andheri (East)  
E-mail : [info@mvlucollege.in](mailto:info@mvlucollege.in)

Letter of Collaboration

No. MVLU/225  
Date: 6-11-2023

To,  
The Principal,  
Vissanji Academy,  
Andheri (East),  
Mumbai-400069.

In accordance with our collaborative objectives for a sustainable future, we have developed a program titled "Electrowarriors - A Proactive Approach in Tackling Electronic Waste". This program is of academic interest and of intellectual exchange with the goal of building a long-term mutually beneficial solidarity. Our college is at the forefront of efforts to reduce the negative environmental impact of e-waste through promoting the recycling and suitable disposal of electronic equipment.

We were pleased to approach Vissanji Academy with a proposal for a collaborative project. We feel that it would not only help our local community but also improve the educational and environmental consciousness of your students and staff. We are proposing a collaboration between Sheth L.U.J and Sir M.V. College of Arts, Science and Commerce, Vissanji Academy, and ReGreen Recycling Pvt. Ltd. to work on different initiatives. We propose to hold an E-Waste drive on your campus.

The following goals will be accomplished through this collaborative effort:

1. Engage and educate Vissanji Academy students and staff on the significance of appropriate e-waste disposal and its environmental impact.
2. To raise awareness among students by the school through activities such as poster creation, presentations, plays and so on.
3. Set up e-waste collection sites on your property, such as an e-bin, for old cell phones, laptops, printers, and other electronic equipment. We will make certain that the goods collected are recycled and disposed of in an ecologically responsible and certified manner by ReGreen Recycling Pvt. Ltd.
4. Encourage students and faculty to participate in sustainability initiatives and promote awareness of e-waste reduction through responsible use and recycling.
5. In order to accomplish this, the fundamental objective of e-waste management is to reduce, reuse, and recycle. The school needs to make sure that students are safe as the e-waste is being collected.

If you believe our plan aligns with the values and mission of your school, we welcome the opportunity to collaborate with you. We appreciate you taking a look at our proposal. We are excited about the possibility of collaborating to have a positive influence on our environment and community.

We accept the innovative proposal  
and look forward to the  
collaborative effort as early  
as possible.



I/C Principal



06/11/23





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**Sheth L.U.J. College of Arts & Sir M.V. College of Science & Commerce**  
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## Best Practice 2

**1. Title of the practice:** "Unleashing the Power of Research: Developing Faculty and Student Research Capabilities in College."

### 2. Objective of the practice:

- To accomplish well-being, better university performance, and educational results.
- To improve students' overall educational experience, enhance knowledge, and promote research in their chosen fields.
- To investigate challenges and discover answers to questions for academicians in research.
- To implement research in classroom teaching and learning that will favorably improve student quality, benefiting society and the country.

### 3. The Context:

- Research is a never-ending pursuit of information that is used to advance society.
- Today's world is quickly evolving, creating opportunities for new research efforts to improve people's lives.
- Keeping up with ever-increasing wants and demands has become the most important factor.
- As a result, our educational institution has a moral responsibility to educate and inspire all students and staff members to engage in research.
- This prompted the college to increase its R&D activities, focusing on many autonomous fields and fostering multidisciplinary research.
- From the year 2019 to 2024, our institution has embarked on a journey to develop and enhance these capabilities, recognizing the significance of research in shaping scholarly discourse and driving societal progress.
- As we reflect on the best practices implemented during this period, we also look forward to continuing our efforts in the years ahead, striving for continual improvement and advancement.

### 4. The Practice:

- Over the last five years, our college has been working hard to help both teachers and students become better at doing research.
- Each academic year, the IQAC notifies all departments about its purpose.
- The coordinators were given information on the program to strengthen faculty and student research capabilities in college, which they subsequently shared with the students and faculty.
- Teaching and research must go hand in hand. With this aim, the college promotes research in the following ways and approaches to accomplish this goal.
- Encouragement to attend seminars, conferences, workshops, orientation courses, and refresher courses such as FDPs and PDPs by students and faculties.
- The incubation center is available to foster and boost the research activities among students and staff.
- Financial incentives include paying registration costs for journal publishing and conference presentations for scientific papers presented at various international/national conferences.
- Modernization of laboratories with research facilities and providing high-end computer facilities, internet, Wi-Fi, and other amenities.
- Exposure to worldwide knowledge is achieved through the organization of guest speakers, workshops, seminars, and conferences, among other activities.





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- In addition to faculty members publishing and presenting papers at national and international conferences, students and faculty members collaborated to publish research papers.
- Both teaching and non-teaching staff members, as well as students, contributed to the achievement of these objectives.

#### 5. Problems Encountered and Resources Required

- Attempting to cultivate the habit of undertaking research besides one's regular duties among students and teachers.

#### 6. Evidence of Success:

- The success of "Unleashing the Power of Research: Developing Faculty and Student Research Capabilities in College" can be observed in the pictures shown below.
- For researchers to carry out their research, the College provides an Incubation Center.
- The college's success in diversifying research work across multidisciplinary fields in these A.Y. of 2019 to 2024 is evidenced by the range of topics explored:
  - Mobile cloud data offloading
  - IoT-based robotic car
  - Breast cancer detection using WBCD
  - Audio fingerprinting
  - IoT applications in healthcare
  - Computer-aided nuclei localization in histopathological images
  - Image processing for breast cancer detection
  - COVID-19 case forecasting in India
  - Soft computing for COVID-19 prediction in lung CT scans
  - Smart glove controller for drones
  - Impact of COVID-19 on the advertising industry
- These projects reflect a broad interdisciplinary approach, showcasing the college's commitment to addressing diverse challenges and embracing emerging trends.
- To keep the enthusiasm for research alive on campus, our I/C Principal, Dr. Mahindra Kanojia, held a research paper writing training session on the 20th, 21st, and 22nd of February 2023, with the following number of participants. Day 1: 47 participants Day 2: 36 participants Day 3: 40 participants.
- The following accomplishments have occurred at the Institution as a result of the hard work of faculty members.
- Number of teachers involved in writing books and chapters in edited volumes/books published, papers published in national/ international conference proceedings, and published papers in the Journals notified on the UGC website in the academic year: 07
  - Faculties that contributed were: Dr. Mahendra Kanojia, Mrs. Rohini Jagadale, Ms. Merina Gheevarghese, Mrs. Sneha Gokarnkar, Mr. Sumitkumar Tripathi, Mrs. Pradnya Kharade, Ms. Jyoti Chauhan.
  - Students also published papers in collaboration with faculties.
- No. of teachers who availed of the facility and are pursuing their Ph.D.: 01
  - Faculty that contributed: Ms. Charmy Shah
- As faculty members are exposed to the most recent areas of their research field, they integrate them into their teaching and learning processes, which has significantly increased student interest in the field of research, increased publications, and improved the quality of undergraduate-level projects.





**LAXMI CHARITABLE TRUST**  
**SHETH L.U.J. COLLEGE OF ARTS AND SIR M.V. COLLEGE OF**  
**SCIENCE AND COMMERCE**  
**DR. S. RADHAKRISHNAN MARG, ANDHERI(EAST), MUMBAI-400 069**



**Department of Computer Science**  
**Research and Development**



**Research Guide**  
**Dr. Mahendra Kanojia**

**An approach to breast cancer detection with histopathological images using transfer learning**

International Conference on Soft Computing and Pattern Recognition  
**Author:** Vaibhav Patel, Mahendra Kanojia, Tapasya Yadav

**Title: Exploring the Potential of ResNet50 and YOLOv8 in Improving Breast Cancer Diagnosis: A Deep Learning Perspective**  
 International Journal of Computer Information Systems and Industrial Management Applications (IJCSIM)  
**Authors:** Vaibhav Patel, Mahendra Kanojia, Vainavi Nair



**Choledochal cancer region detection in hyperspectral tissue images using U-Net**

International Conference on Intelligent Systems Design and Applications

**Authors:** Subhashish Nabajja, Mahendra Kanojia, Tapasya Yadav

**Title: Choledochal Cancer Region Detection in Hyperspectral Images Using U-Net Based Models**  
 International Journal of Hybrid Intelligent Systems  
**Authors:** Subhashish Nabajja, Mahendra Kanojia



**Revolutionizing higher education institute query system by linking custom knowledge base with large language models**

International Conference on Hybrid Intelligent Systems

**Authors:** Mohammed Varaliya, Mahendra Kanojia, Subhashish Nabajja

**Title: Optimizing automated conversational large language models for higher educational institution**  
 International Journal of Computer Information Systems and Industrial Management Applications (IJCSIM)  
**Authors:** Mohammed Varaliya, Mahendra Kanojia, Subhashish Nabajja



**Music recommender based on the facial emotion of the user identified using YOLOV8**

International Conference on Intelligent Systems Design and Applications

**Author:** Vainavi Nair, Mahendra Kanojia

**Title: Integrating Facial Emotion Recognition into Music Recommendation Systems using YOLOv8**  
 Journal of Information Assurance and Security (JIAS) by MIR Labs  
**Authors:** Vainavi Nair, Mahendra Kanojia

**Subjective question bank generation using large language models with custom knowledge base**

International Conference on Innovations in Bio-Inspired Computing and Applications

**Author:** Amaan Sayed, Mahendra Kanojia, Subhashish Nabajja

**Title: Advanced Subjective Question Bank Generation Using Rag Architecture**

International Journal of Computer Information Systems and Industrial Management Applications (IJCSIM)  
**Authors:** Amaan Sayed, Mahendra Kanojia, Subhashish Nabajja



**Department of Information Technology**  
**Research and Development**



**Evaluating the Impact of Data Bias in AI on Everyday Decision-Making**  
 Published in IJRAR ([www.ijrar.org](http://www.ijrar.org)) UGC Approved (Journal No : 43602)  
 7 17 Impact Factor Volume 11 Issue 1 March 2024  
**Author :** Mr. Ashwin Purohit & Mr. SumitKumar Tripathi



**"The Impact of Artificial Intelligence on Jobs"**  
 Journal of Emerging Technologies and Innovative Research- (JETIR)  
 (ISSN : 2349-5162) Volume 11, Issue 3  
**Author :** Ms. Aasiya Qureshi & Asst. Prof. Sneha Gokarnkar



**"Prediction of Household Carbon Emission During Pandemic Using Machine Learning Model"**  
 Journal of Emerging Technologies and Innovative Research- (JETIR) (ISSN : 2349-5162) Volume 11, Issue 2  
**Author :** Asst. Prof. Sneha Gokarnkar & Dr. Sangeetha G.



**Technical Advancement Of Academic Libraries In 21st Century**  
 International Journal of Research and analytical reviews (IJRAR)  
**Author :** Ms. Jyoti Yadav & Ms. Pankati Dedhia



*Sybilcank*

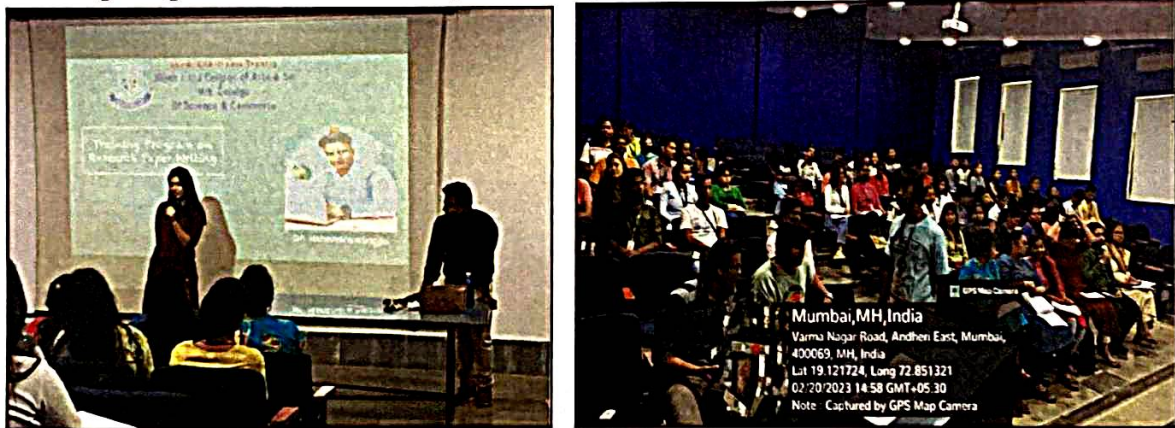


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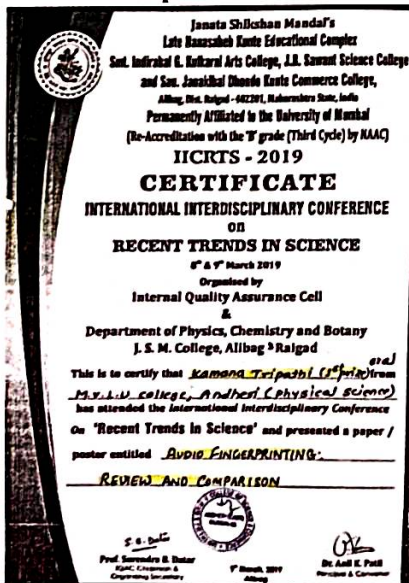
“Unleashing the Power of Research: Developing Faculty and Student Research Capabilities in College”

<p><b>LAXMI CHARITABLE TRUST'S</b>  <b>SHETH L.U.J. COLLEGE OF ARTS &amp; SIR M.V. COLLEGE OF SCIENCE &amp; COMMERCE</b>  <b>DR. S. RADHAKRISHNAN MARG, ANDHERI(EAST), MUMBAI - 400069</b>  <b>B.Sc.IT Department</b></p> <p>Research Paper Publications</p>	<p><b>Department of Computer Science Research and Development</b></p> <p><b>Co-Author in all the research papers</b>  <b>Dr. Mahendra Kanojia</b></p> <p><b>LSTM based model for Sanskrit to English Translation</b>  <b>Intelligent Systems Design and Applications</b>  <b>Authors: Keshav Mishra, Mahendra Kanojia, Anshu Shukla</b></p> <p><b>Emotion detection based on facial expression using YOLOv5</b>  <b>Intelligent Systems Design and Applications</b>  <b>Authors: Anshu Shukla, Mahendra Kanojia, Keshav Mishra</b></p> <p><b>Machine Learning Approach For detection of mental health</b>  <b>Intelligent Systems Design and Applications</b>  <b>Authors: Ravi Pacharans, Mahendra Kanojia, Keshav Mishra</b></p> <p><b>ASML based automated college Chatbot system - IITEL (IIT)</b>  <b>Authors: Anshu Shukla, Mahendra Kanojia, Keshav Mishra</b></p> <p><b>Sanskrit to English Translation: A Comprehensive Survey and Implementation using Transformer Based Model</b>  <b>Authors: Keshav Mishra, Anshu Shukla, Mahendra Kanojia, jym Chauran</b></p> <p><b>Comprehensive study on Emotion Detection with Facial Expression Images using YOLO Models</b>  <b>Authors: Anshu Shukla, Keshav Mishra, Pratyush Murari, Mahendra Kanojia</b></p> <p><b>Soft computing Approaches For Detection Of Mental Health</b>  <b>Authors: Ravi Pacharans, Anshu Shukla, Suraj Kumar Tripathi, Mahendra Kanojia</b></p>
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**Training Program on 'Research Paper Writing'**

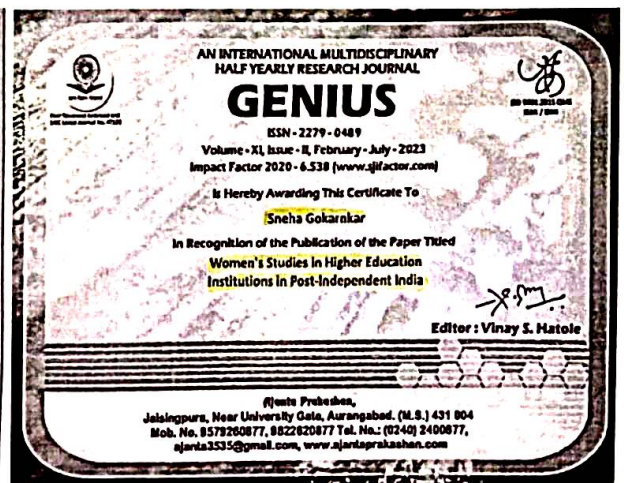
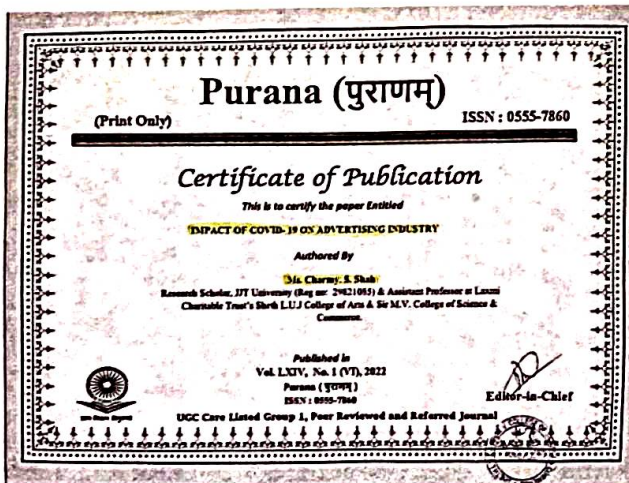
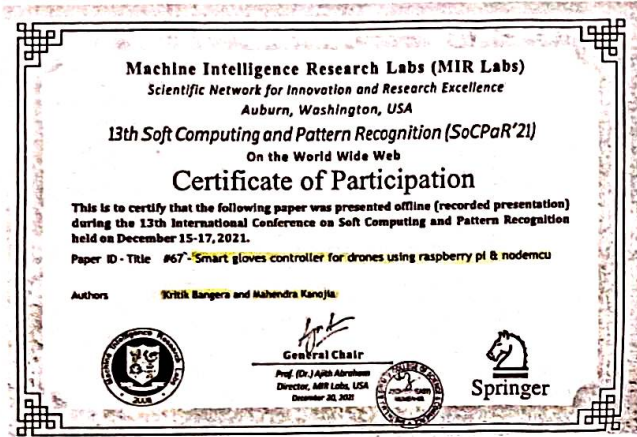


**Research Paper Presentation and publication Certificates Samples**





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