



Pradnya Niketan Education Society, Pune.

NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECHN., SOLAPUR.

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विद्यापीठ गीत

बिंदू मनाचा सिंधू होईतो, करू अथक साधना
ज्ञान रवीने तिभीर हराया विकसित हो रे मना !!

अभिमंत्रित हे ज्ञान निकेतन
इथे कराया हृदय समर्पण
भीमड्योतीची, सावित्रीची
विश्वात्मक त्या मनकरूपेची
घेऊ उरी चैतना !
विकसित हो रे मना !

शिवतैजाने उजळे अंबर
तरंग त्याचे इथे निरंतर
शौर्य धैर्य अन् पराक्रमाची
सह्यामिरीतीक त्या माथेची
रूजवू सद्भावना !
विकसित हो रे मना !

सरस्वतीच्या कृपाप्रसादे,
आयुष्याचे फूल उमळू दे !
कर्तृत्वाचा दीप उजळू दे !
सत्यशिवाचे बीज बहरू दे !
आत्मशक्तीचा सूर लाभू दे !
देऊ रूप जीवना !
विकसित हो रे मना !

गीत : प्रविण दवणे
संगीत : श्रीधर फडके



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VISION

to emerge as a leading Technological Institute ensuring
Academic Excellence, fostering industry readiness and developing globally
competent Technocrats

MISSION

- To strive for excellence in our teaching-learning process, encouraging creativity and critical thinking
 - Strengthening industry-institute interaction
- Providing holistic education for the student's personality development
 - To imbibe universal values of respect, commitment and team spirit
 - Providing employable education
 - Promoting innovation, research and consultancy



Principal's View



Strive for perfection in everything you do.
Take the best that exists and make it better. When it does not exist,
design it." -Sir Henry Royce, English engineer, and car designer.

Dear Reader,

Orchid Aura - 2023 is a step towards unlocking the storehouse of creative genius found in the students and staff of our institution. As you scan through the pages of this magazine, you will learn of the important milestone achieved by the institution. Besides, our inspired and imaginative Orchidians have expressed their thoughts, ideas, aspirations and feelings in a creative way. It is essentially a platform provided to all the interested writers of our institute, to exhibit their writing skills. I feel that, every student must take extra efforts to improve his/her writing skills. Writing is important because.....

Writing is critical for becoming a good reader

Writing is an essential job skill.

Writing is the primary basis upon which one's work, learning, and intellect will be college, in the work place and in the community.

Writing equips us with communication and thinking skills and finally

Writing expresses who we are as people.

Unlike speaking, when we write, we look for more sophisticated words and expressions to describe what we have in mind. This helps one to build a structure that will allow one to express oneself better and communicate complex ideas in a much more effective way. Writing also helps to improve one's productivity. It is well known that setting ones goals in writing significantly increases the possibilities of achieving them. Therefore, I congratulate all the contributors and the editorial board for bringing the College Magazine. Our institution is consistently trying to empower the students with sound knowledge, wisdom, experience, life values and methodical training both at the academic level and in the extracurricular domain. The institution aims at changing the face of rural region by acting as a prime centre of knowledge enhancement and career development. I extend my wishes to all the readers. I take this opportunity to give my best wishes to all my student friends for scaling newer heights and achieving bigger success in their professional career and also on personal front.

Dr. B. K. Sonage

Principal (I/C)

Magazine Editors Message



"Focus on the journey, not the destination.
Joy is found not in finishing an activity, but in doing it."

These lines from Greg Anderson, an American musician are indeed befitting to describe the efforts that we have taken to make this issue of Orchid Aura a pleasure to read and are duly elated with providing a platform to showcase the innate talents and potentialities of our eminent college members.

I congratulate the students of Orchid who have taken the initiative and have contributed to this edition of the College magazine 'Orchid Aura 2023'.

It's a great pleasure to present this issue of Orchid Aura Magazine of this kind provide an opportunity to the engineering students to express their latent talent, ideas and thoughts in the form of articles, poems, views about the life and experiences inside and outside the campus. It shows that technical minds are no less when it comes to creative writing and expressing their philosophical and technical minds. The clean green eco-friendly nature of the magazine has been a remarkable concept. It has been a wonderful experience to work with the editorial team and to see the creations taking shape. I thank you all for your contributions. Thanks to our Principal Dr. B.K. Sonage, all HODs, Faculty members and staff for the contributions. I sincerely hope that you enjoy reading this magazine.

Prof. B. R. Birajdar

Editor

Magazine Co-Editors Message



It gives us an immense joy and satisfaction to re-introduce our college magazine "Orchid Aura- 2023". We have tried to churn out creativity. The name and fame of an institute depends on the caliber and achievements of the students and teachers. The role of a teacher is to be a facilitator in nurturing the skills and talents of students. This magazine is a platform to exhibit the skills and innovative ideas of teachers and students. A lot of effort has taken for making this magazine. The best thing about this Orchid Aura is that it represents the creativity of Orchid students that we think we all need to reconnect with.

I appreciate every student who shared the joy of participation in co-curricular and extracurricular activities along with their commitment to curriculum. That little extra we do, is the icing on the cake. 'Do more than belong - participate. Do more than care - help. Do more than believe - practice. Do more than be fair -be kind. Do more than forgive-forget. Do more than dream-work.

Orchid Aura is a sincere, dedicated and committed effort of our students to showcase their talents and creativity. In addition to that it also reflects the achievements of our students in curricular and co-curricular activities. We hope you have a fantastic time exploring the various opinions, art and literary pieces that we have meticulously arranged for you.

Here is from the desk wishing you all the best in your life.

Dr. U. K. Jadhav

Co-Editor

Magazine Secretary's Point of View



As the steward of AURA 2023, I take great pleasure in orchestrating the creation of a magazine that beautifully captures the essence of our college experience. This year's edition stands as a testament to the unwavering dedication and boundless creativity of our contributors. They have invested not only their time but also their hearts and minds into crafting pieces that transcend the ordinary – pieces that stir emotions, challenge perspectives, and celebrate the unique narratives woven into the fabric of our college community.

AURA is more than just a magazine; it's a meticulously curated snapshot of the intellectual and artistic prowess that defines our esteemed institution. Through a harmonious blend of insightful interviews, poetic expressions, and visually stunning artwork, AURA 2023 emerges as a timeless keepsake. It serves as a living document that preserves the richness of our college culture, reflecting the diversity of thought and talent that flourishes within our academic walls.

In the pages of AURA 2023, readers will discover a profound showcase of the vibrant tapestry that is our college community. It is with immense pride and positivity that I present this edition, confident that it will resonate as a source of inspiration and reflection for years to come.

Rishikesh Marathe

Magazine Secretary

Magazine Co-Secretary's Ruminations



As the Magazine Co-Secretary for AURA 2023, I am thrilled to present a captivating perspective on this year's edition. Our mission was to curate a magazine that transcends the conventional boundaries of student publications, embodying the diverse essence of our college community. AURA 2023 serves as a vibrant canvas, showcasing the myriad talents, opinions, and stories that define our campus culture. From thought-provoking articles penned by our brilliant scholars to visually stunning art pieces that evoke emotions, this magazine encapsulates the intellectual and creative tapestry of our academic community.

In crafting AURA 2023, we aimed to foster a sense of unity and inclusivity, providing a platform for every student's voice to be heard. The pages unfold as a narrative of our collective journey, featuring narratives that inspire, entertain, and challenge the status quo. As the Magazine Co-Secretary, I am immensely proud of the collaborative efforts that went into creating a publication that not only reflects the spirit of our college but also sets a new standard for excellence. AURA 2023 is more than just a magazine; it is a testament to the brilliance that resides within our student body, a celebration of diversity, and a timeless keepsake for years to come.

Aniruddha Raut

Magazine Co-Secretary

ABOUT FRONT PAGE



The building was designed by British architects Edwin Lutyens and Herbert Baker and was constructed between 1921 and 1927. It was opened in January 1927 as the seat of the Imperial Legislative Council. Following the British withdrawal from India, it was taken over by the Constituent Assembly of India, and then by the Indian Parliament once India's Constitution came into force on 26 January 1950 with India becoming a republic.[1]The New Parliament House, built near this building on a triangular plot from 2020 to 2023 was inaugurated on 28 May 2023. It was built as part of the Indian government's Central Vista Redevelopment Project New Parliament House Main article: New Indian parliament building Background Proposals for a new parliament building to replace Parliament House emerged in the early 2010s as a result of questions being asked about the stability of the original structure. In 2012, a committee was assembled by the then-Speaker, Mira Kumar, to suggest and assess several alternatives to the usage of the building. Commencement Edit In 2019, the Indian government launched the Central Vista Redevelopment Project, a multi-billion dollar project to redevelop the Central Vista, India's central administrative area near Raisina Hill, New Delhi. The construction of a new parliament building, as well as redeveloping the Rajpath will create a new office and residence for the Indian prime minister, as well as combining all ministerial buildings in a single central secretariat. The groundbreaking ceremony for the new building was held in October 2020 and the foundation stone was laid on 10 December 2020.



ABOUT BACK PAGE

DRDO was formed in 1958 from the amalgamation of the then already functioning Technical Development Establishment (TDEs) of the Indian Army and the Directorate of Technical Development & Production (DTDP) with the Defence Science Organisation (DSO). DRDO was then a small organisation with 10 establishments or laboratories. Over the years, it has grown multi-directionally in terms of the variety of subject disciplines, number of laboratories, achievements and stature. Today, DRDO is a network of more than 50 laboratories which are deeply engaged in developing defence technologies covering various disciplines, like aeronautics, armaments, electronics, combat vehicles, engineering systems, instrumentation, missiles, advanced computing and simulation, special materials, naval systems, life sciences, training, information systems and agriculture. Several major projects for the development of missiles, armaments, light combat aircrafts, radars, electronic warfare systems etc are on hand and significant achievements have already been made in several such technologies.

Vision Empowering the nation with state-of-the-art indigenous Defence technologies and systems. Mission Design, develop and lead to production state-of-the-art sensors, weapon systems, platforms and allied equipment for our Defence Services. Provide technological solutions to the Services to optimise combat effectiveness and to promote well-being of the troops. Develop infrastructure and committed quality manpower and build strong indigenous technology base.



मराठी
गद्य विभाग

मराठी

परभाषेतही व्हा पारंगत ज्ञानसाधना करा तरी ।
माय मराठी मरते इकडे परकीचे पद चेपु नका ॥

भाषा मरता देशही मरतो संस्कृतीचाही दिवा विझे ।
गुलाम भाषिक होऊनि अपुल्या प्रगतीचे शिर कापु नका ॥

- कुसुमाग्रज

SECTION CO-ORDINATORS

कवी कुसुम आग्रज, महाराष्ट्राचे एक प्रमुख साहित्यिक आणि कवी, ह्या नावाने ओळखले जाते. त्यांची काव्यशैली विशेष आहे, ती पुरातात्विक भारतीय साहित्याच्या संस्कृतीसह संगतली आहे. कुसुम आग्रज ने आपले कवितेचे माध्यम वापरून साहित्यिक साधना आणि समाजसेवा करण्यात उत्कृष्टता दर्शविली आहे.

त्यांची कविता 'गंगाजल' ही महाराष्ट्रातील आणि भारतातील साहित्यिक समुदायांना त्यांच्या कलेचे उच्च स्तर दर्शवते. त्यांची कलाम युगंधर ने मराठी साहित्यात नवीन अंधार उजळवणारी म्हणून तुळशीची साक्षात्कारे म्हटली आहेत. कुसुम आग्रज यांची कविता विश्वभरातील अनेक भाषांतर झाली आहे आणि त्यांची साहित्यिक प्रतिष्ठा विश्वस्तरी उच्च आहे.

त्यांचे विचारशीलता आणि समाजशास्त्रातील अध्ययनाने त्यांना साहित्याच्या क्षेत्रात एक अद्वितीय स्थान मिळवले आहे. कुसुम आग्रज यांनी मराठी साहित्यातले एक नवे परिप्रेक्ष्य दर्शवले आणि त्यांचे योगदान साहित्य प्रेमींना हे शास्त्रीय क्षेत्रातील एक नवे रूप म्हणून स्वीकृत केले जाते.





Sahil Landage
(AIDS)



प्रिय भारत,

काय बर आहे ना ? नाही म्हटलं तुझा वाढदिवस जवळ येतोय म्हणून म्हटलं थोडी विचारपुस करावी तुझी. काय आहे या सोशल मिडिया नसलेल्या जमान्यात तु स्वतंत्र झालास पण आता याच सोशल मिडियावर तुझ्याबद्दल काही लिहीलं नाही तर एक वेगळाच शिक्षा बसण्याची भिती असते रे.

(अहं तुझी नव्हे, तुलाही माहित आहे कोणाची ते) तुझा वाढदिवस असला कि एक वेगळाच आनंद असतो. आम्हाला. पण या आनंदावरही कधी कधी विरजण पडु लागतं रे जेव्हा तुझ्या वाढदिवसाच्या पूर्वसंध्येलाच... दिल्लीत भूकेमुळे ३ लहान मुलींचा मृत्यू असं काही कानी पडलं की. माहित नाही का पण हिम्मत होत नाही रे माझी असं काही ऐकण्याची. तु कसं सहन करतो रे हे सगळं ?

मला नाही वाटत तुलाही हे सहन होत असेल. तुलाही वाटत असेल ओरडावं आपणही इथल्या बहीच्या झालेल्या सरकारच्या कानठळ्या बसाव्या इतकं. तुलाही वाटतच असेल ना त्या लेकरासाठी आवाज

उठवावा ?

म्हणजे बघ ना पंतप्रधानांच्या आणि मुख्यमंत्र्यांच्या निवासस्थानापासुन अगदी १० १५ किलोमीटर अंतरावर असलेल्या एका घरात खायला काही नसल्यामुळे कोणाचा मृत्यू होतो, तर कधी कधी मृतदेह न्यायला इथे कधी कोणाला सरकारी रुग्णवाहिका मिळत नाही. का होत असेल रे हे असं ?

तु तोच आहेस ना रे जो दुसऱ्या देशांनाही कृषीची निर्यात करतो ? तु तोच आहेस ना ज्याची १८% साक्षरता होती १९४७ मध्ये आणि आता ७४% च्या आसपास पोहोचलास तु कुठे गेली रे मग ही साक्षरता ? अर्थात शिक्षणाने साक्षरता येते पण सुशिक्षित प्रगल्भता येत नाही त्याला तु तरी काय करणार म्हणा- काय दोष काय होता रे त्या लहान बाळांचा की तुझ्या कुशीत असतानाही त्यांचा फक्त भुकेमुळे मृत्यू व्हावा ? त्या बाळांच्या पोटात अन्नाचा एकही कण नव्हता असं ऐकुन तुलाही त्या रात्री जेवण गेलं नसणार हेही कळतयं रे मला.

इच्छाच होत नाहीये रे काही बोलण्याची. पण काय करणार हे ऐकुन मन अगदी सुन्न झालयं. म्हणून हे थोडसं बोलुन गेलोय. आणि हो काही चुकलं असेल तर मोठ्या मनाने माफ कर !!!

तुझाच,

(नाव सांगणं गरजेचं आहे का.. ?)





Anjali Gudur
(E&E)



एक चहा दोन खारी आणि orchid सगळ्यात भारी अगदी या दोन ओळीप्रमाणेच माझ म्हणजेच आपल ऑर्किड आहे काय आणि कुठून सुरुवात करावी कळत नाहीये कारण सगळ्यांसाठी आपल्या कॉलेजची अनेक असे अविस्मरणीय क्षण आहेत आणि ते असायलाच पाहिजेत..! प्रत्येकालाच आपण जर विचारलं! ना तर की तुझं कॉलेज कोणता आहे तर आपण आनंदाने सांगू की आम्ही ऑर्किड कॉलेज चे विद्यार्थी आहोत कॉलेज ची विशेषता सांगायची झाली तर अगदी नियम अटी लागू आहेत पण हे चांगल्या साठीच आहेत. अगदी दुसरी शाळा म्हटल तरी चालेल शाळेतमध्ये आपल्याला चांगली शिस्त आणि सवयी लावल्या जातात तसचं आपल्या कॉलेजच आहे आणि हे चांगल यासाठी म्हणायच कारण की जसं घरात आपली काळजी घेतली जाते इथ अगदी आपल घरचं म्हटलं तरी चालेल आणि आपले शिक्षक हे आपल कुटुंब इथून जो आपलेपणा जाणवतो ना प्रत्येक शिक्षकांमधून तो फार कमी प्रमाणात पाहायला मिळेल काळजी प्रेम, सगळ काही. प्रत्येक डिपार्टमेंट ची एक वेगळीच ओळख आणि

विशेषता आहे . एश्रशलीळलरश्र, चशलहपळलरश्र, उळीळश्र, -ठएड, उडए ,शींल. एपसळपशशीळपस कॉलेज बद्दल आपण सगळेच ऐकतो पण जर किंवा माझ्या सोलापूर मधला सर्वात सुंदर कॉलेज म्हणजे आपलं छधीलहळव आहे हे अभिमानाने सांगेन, अगदी सुंदर हिरवळ असं कोणी पाहिलं की अगदी मन प्रसन्न व्हावं असं वाटतं.

दिल बागबाग हो जाएगा असं म्हटलं तरी चालेल अगदी प्रत्येक जण हिताची काळजी करत असतं जास्त करून शिपाई काकांचा कौतुक करावा लागेल कारण की त्यांच्यामुळे इतकी हिरवळ आणि सुंदरता आम्हाला रोज पाहायला मिळते. कॉलेजमध्ये प्रत्येक जणांसाठी अगदी थंड पाण्याची सोय सुद्धा आहे, स्वच्छते पासून सगळ्याच काळजी घेतली जाते आणि विशेष म्हणजे कॉलेजच्या सगळ्यात मोठा उत्सव म्हणजे ठ-खछइजथ -छऊ ढठ-ऊखढखजछ-ड ऊ-ध हे दोन उत्सव प्रत्येक जण यशस्वी वाट पाहत असतो असं म्हटलं तरी चालेल. प्रत्येक जणांमध्ये एक वेगळीच ऊर्जा जल्लोष पाहायला मिळतो त्यावेळी आणि विशेष म्हणजे ढोल आणि लेझीम चि गोष्टच वेगळी आहे, उसकी तो बाकी निराली है।

या दोन्हीनी आणखीन शोभा वाढते आणि ती कायम वाढत जाणार यात कसली शंका नाही हे प्रत्येक जण सांगू शकेल याची पूर्ण खात्री आपण जेव्हा नवीन नवीन ऍडमिशन घेतो तेव्हा आपल्या

सर्वासाठीच कॉलेज नवीन असतं पण इथे आल्यावर असं काही जाणवलं नाही कारण इथल्या शिक्षकांनी लगेच सगळ्यांना आपलंसं करून घेतलं अगदी प्रत्येक विद्यार्थ्याला हवा नको ते पाहिलं पण त्याचप्रमाणे त्यांची मैत्री देखील करून घेतली म्हणून प्रत्येक जण कोणालाही कसलीही अडचण आली तरी ते अगदी मनमोकळ्याने विचारू शकतात अगदी आपल्या कॉलेज शिक्षण सपोर्टिव्ह आहेत सपोर्टिंग स्टाफ आहे असं म्हटलं तरी चालेल. त्याच्या होस्टेलची पण एक वेगळीच विशेषता आहे त्यांची काळजी पण अगदी घरच्यांसाठी घेतली जाते प्रत्येक जण व्यवस्थित आहे का कोणाला काही त्रास तर नाही ना होते अशा बऱ्याच गोष्टींची खात्री केली जाते अगदी घरातल्या वातावरण निर्माण करण्याचा प्रयत्न करतात जेणेकरून त्यांना घरची कमीत कमी आठवण यावी जेणेकरून त्यांचा मन इथे रमेल. कॉलेज हे थोडं लांब तर आहे पण बशी बसची सोय सुविधा पण अगदी योग्य आहे प्रत्येक जण वेळोवेळी येतं का याची खात्री केली जाते. त्याचप्रमाणे कॉलेजची कॅन्टीन एक नाही तर दोन आहेत तुम्हाला हवा ते सर्व काही मिळून जाईल ते अगदी स्वादिष्ट पदार्थ त्याचप्रमाणे झेरॉक्स सेंटर एक नाही तर तीन आहेत कोणाला कसलीच अडचण येऊ देत नाही याची कॉलेज अगदी

व्यवस्थित काळजी घेत शांतपणे बसून अभ्यास करण्यासाठी सुंदर आणि मोठी स्वच्छ अशी लायब्ररी आहे मी खरंच माझा अनुभव सांगते आपल्या कॉलेजची लायब्ररी एक एकदम उत्कृष्ट आहे खरं तर जे कोणी पासोत होऊन गेलेले. विद्यार्थी आहेत त्यापैकी बरेच जण हेच एक वाक्य बोलतात की आपल्या कॉलेजची लायब्ररी एकच नंबर आहे आणि ती आहे!

विशेष म्हणजे आपल्याला आणखी माहिती देण्यासाठी एक्सपर्ट लेक्चर देखील होतात जेणेकरून आपल्याला काय नवीन शिकता येईल यावर जास्त भर देतात. इथून जेव्हा आपण बाहेर पडतो ना तेव्हा एक समजूतदार व्यक्ती आणि बरच काही शिकवून बाहेर पडणार आहोत यात काही प्रश्नच नाही. आपल्या कॉलेजनी आपल्याला खूप काही शिकवला आहे आणि शिकवत राहणार याची मला पूर्ण खात्री मग अशा या कॉलेजला कोणी आपलं म्हणणार नाही असं तर कोणीच नसेल म्हणून माझं कॉलेज सर्वात श्रेष्ठ आहे असं मी म्हणेन.....

म्हणूनच असं म्हणावसं वाटतं की हे आपलं ऑर्किड आहे.....!.

■■■

मोबाईल, हेडफोन , Connect अन् गाणं



Mitali Kawade
(E&TC)



मोबाईलला कनेक्ट केलेल्या हेडफोन मधून तशीबरीचशी गाणी ऐकू येतात, खूप सारी क्लासिकल, एवरग्रीन, काही प्रचंड ट्रेंडींग असणारी तर काही माझ्या मराठी मनाला भावतील अशाशी! आयुष्यात खुप वेगवेगळी माणसे असतात. जितके रंग तितकेच ढंग.... आणि त्यामुळे प्रत्येक हाक मनापर्यंत पोहचतेच असं नाही ,,कारण बोलणं ही एक वृत्ती असते तर ऐकणं ही दूसरी वृत्ती!! ऐकून घे,,असा हट्ट वगैरे करू शकतो.. कधीतरी मग आपलेपणाने ऐकलंही जातं!! पण मग जेव्हा ऐकायची ईच्छा नसेल तर सरळ हेडफोन घालून गोष्टी इग्नोर ही करता येत हा सुद्धा आजची स्थिती आहे!! मला वाटतं, बोलणं,संवाद साधणं, गप्पा मारल्या जातात त्या खरंच स्वाभाविक असायला हव्यात..!! कदर असेल तरच शब्द,भावना यांनीही अर्थ आहे! नाहीतर दुर्लक्षाय नमःहा मंत्र रुढ आहेच आपल्याकडे..... खरं सांगु,,तानसेन होता नाही आलं तर हरकत नाही,, पण कानसेन जरूर असावं! जे भल्याचं असतं ते नक्कीच ऐकावं,,जसं कि, उपवास करू नकोस म्हटलं तर तात्काळ सोडावा=,,, पसारा आवर म्हटलं की हातपाय पसरून तिथेच रटटा मारून न बसत आवराआवर करावी=,,, उदया पोस्ट करायची म्हटलं तर जागुन ,डोळ्यावर चष्मा घालून लिहित बसु नये,,आधीच थोडंथोडकं कागदावर सुवाच्य अक्षरात लिहून ठेवावं,, अरेच्चा, हा,हं,हममम,,असं असं म्हणून डोक्यातुन सान्या सुंदर कल्पना,, चित्रे ब्लॅक होण्याची वाट न पाहता घ्यावा पेपर, पेन्सिल पटटी,,आणि वेगवेगळ्या रंगांसमवेत मांडुन बसावं एखाद्या रुमच्या कोपऱ्यात.. यथेच्छ रंगबेरंगी चित्रे काढत..हरवत जावं

घड्याळालाही.. उगाच रिकामं राहु नये,, मनात आलं कि वाजवून पहावं गिटार वर कुठलंही आवडणारं गाणं, बोटांनी लहरी उमटु दयाव्यात...नवनव्या...चालींनी आयुष्यालाही दयावी नवीन सुंदरशी चाल... वाटलंच,,जर बोअरिंग तर घ्यावीत ७/८पुस्तके बेडवर पसरवून वाचत सुटावं,,हवा तेवढा वेळ... त्यामुळे मनाच्या भिंती उघडल्या जातीलल नि कानांवर शब्द रुळतील...! माणसं आपली मानली तर नात्यांसाठी थोडंबहुत ऐकावं आणि गाणं काय गुणगुणत राहिलच मोबाईलच्या हेडफोन वर.. आज सकाळी मस्त पैकी हे गाणं ऐकायला मिळालंय, नात्यांबद्दल खास लिहिले आहे....

गाणं,गाणं,,अर्थात मनपासुन गोड गळयातुन जे येतं ते गाणं.! हृदयाचा ठाव घेतं ते गाणं ! 'तिर्थ विठठल, क्षेत्र विठठल हे वर्णन म्हणजे गाणं...!! सुर निरागस हो..ही प्रार्थना म्हणजे गाणं. गाणं तसं नेहमी सोबतीला असतं.मैत्री निभावतं ते गाणं...कंटाळा येताच मुड बदलवतं तेही गाणं..आनंद साजरा केला जातो तो गाणं म्हणत...ईतकंच काय प्रवासाची रंगत वाढवताना गाणं हवंच, जेवणाची चव निरंतर आठवत राहावं, यासाठी अंगतपंगत करताना गाणं हवंच..!! गाणं आपापल्या आवडीचं वेगवेगळं असतं! गाणं कवितेला नवा चेहरा देतो.. म्हणुनच तर बगळ्यांची माळफुले अजुनि अंबरात.. हे गाणं आजही मनाला स्पर्श करुन जातं. खरंतर आठवणींना उजाळा देतं ते गाणं.. रुक जाना नहीं तु कहीं हार के.. काटों पे चलके मिलेंगे साये बहार के...! अशा सुंदर शब्दांमध्ये गाणं आपणाला प्रेरणा देत राहतं...!!जिथे आयुष्यंय तिथं गाणं आहे आणि जिथं गाणं आहे तिथे आयुष्यंच आहे.....या गाण्याला भलेही आपण आपल्या आवाजात गातो,,ते गात राहणंही मजेशीर असतं..आवडणारं गाणं गात रहा,ऐकत रहा....

ऋणानुबंधाच्या जिथून पडल्या गाठी, भेटित तृष्टता मोठी..... वेळ मिळाला तर ऐका=



उगाच टेन्शन कशाला घ्यायचं



Sanket Atnure
(E&E)



कोणासाठी, किती, काहीही करा काही उपयोग नाही. आयुष्य बिनधास्त जगायचे... कुणाचे वाईट करायचे नाही.....

कुणाचे वाईट चिंतायचे नाही. कुणाच्या मागे वाईट बोलायचे नाही. फक्त स्वतःशी प्रामाणिक राहून जगायचं. काही कमी पडत नाही. आणि फरक तर अजिबात पडत नाही.. कुणासाठी वाईट वाटून घ्यायचं नाही... लोकांची विविध रूपे असतात. सकाळी गोड

बोलतात आणि रात्री कुणी काही डोक्यात भरवले की पाडून बसतात. ज्याच्याशी तुमचा काही संबंध पण नसतो... तोंड आजकाल लोक देवावर पण नाराज होतात. तर तुम्ही कोण ? कुणी कितीही वाईट बोलो किंवा वाईट करण्याचा प्रयत्न करो.....

आपण त्याच्याविषयी तसेच इतरांविषयी चांगलेच बोलायचे.. आणि चांगलेच वागायचे... बोलण्यात स्पष्ट वक्तेपणा ठेवायचा... कुणाच्या आयुष्यात डोकावयचे नाही आणि कुणाविषयी मागे वाईट चर्चा करायची नाही. फक्त स्वतःबरोबर दुसऱ्यांचे हीत चिंतायचे...

कुणाच्या पुढेपुढे करायचे नाही... जिंदगी मस्तीत पण शिस्तीत जगायची....

थंड पाणी आणि गरम इस्त्री जसे कपड्यांवरच्या सुरकुत्या घालवतात. तसेच शांत डोके आणि उबदार मन आयुष्यातील चिंता घालवतात.

नेहमी हसत रहा.....

हा सुंदर जन्म पुन्हा नाही... !



समाधान मिळवताना



Mitali Kawade
(E&TC)



गाठ मनाला असो वा सोबत असलेल्या सामानाला, माणूस जगतो कधीपर्यंत ह्याला मर्यादा आहे, पण सोबती म्हणून असलेल्या गोष्टी, माणसं जशी तुटायला लागतात, आयुष्यात जगण्याचा रस ही कमी होत जातो.

एखाद्या गुहेतील खजिना असतो त्याला राखण म्हणून नाग असतो अस दंतकथांमध्ये ऐकलं असेलच. याचं प्रात्यक्षिक माणूस जीवनात अनुभवत असतो. कष्ट करून किंवा चुकीच्या मार्गाने बकळ पैसे कमावण्याचा प्रयत्न करत असतो.

कष्ट करणारा केवळ सुखी राहण्याच्या आणि रात्री निवांत झोपेसाठी कार्य करत असतो. तर काही जण चुकीच्या मार्गाने धनाला घरात स्थान देतात, ते सांभाळणे मुलांपेक्षा गरजेचं वाटू लागते.

सर्वात महत्वाचे म्हणजे आपण जे काही करतो त्यात प्रामाणिक कष्ट असले आणि त्याच्यापासून मिळणा-या फळाला सर्वस्वी आपले कष्टचं जबाबदार असतात. त्यानंतर जे चेह-यावर समाधान असते त्याचे शब्दांत वर्णन करणे म्हणजे अशक्यचं!!

एक चाहूल पुरेशी, एक वाट धूसर अशी!

ना कधी येऊन पोहोचतो, स्वप्न मात्र उराशी !!

समाधान अगदी त्या वाटेप्रमाणे, सुरुवातीला सगळीकडे धुकं पसरले आहे. मग सूर्यनारायण ते धुकं छेदत

आपल्या पर्यंत पोहोचण्यासाठी प्रयत्न करतात आणि तितचं चाहूल पुरेशी भासते.

कधी एकदाचं ती वाट सर करून पोहोचतो, हे स्वप्नचं उराशी बाळगतो. पण ते समाधानही ह्या कष्टांच्या वा खडतर प्रवासाच्या पात्र आहे.

मग समाधान मिळवताना गोष्टी कधीचं आपल्या हातात नसतात. पण ते म्हणतात ना अगर किसी चीज़ को दिल से चाहो तो सारी कायनात उसे तुम से मिलाने में लग जाती है. इतर गोष्टी आपल्याला त्या वाटेवर कळतनकळत साथ देऊन कष्ट करण्यास भाग पाडतात. आणि समाधान मिळतानाचा प्रवास सोयीस्कर करतात. समाधान आणि आनंद असे दोन समानार्थी शब्द जरूर आहेत, जिथे समाधान आहे तिथे आनंद असतोच, पण जिथे आनंद आहे तिथे समाधान असेलचं असे नाही. आनंद असला की ओठांवरती जाणवतो, गाल फुगवले नि खळी पडली आणि काही कमी वा अधिक प्रमाणात जगाला आपल्या दातांचे प्रदर्शन झाले की समजून घ्यायचं आनंद मनी वा हृदयात वसला आहे.

आनंदाला समाधान लागलेला एक परीस स्पर्श आहे. एक दगड रस्त्यावर पडलेला असतो, कोणी त्या दिशेने बघत नव्हते. किती जण नकळत तर त्याला लातळत एक जागे हुन दुस-या जागी पोहोचवत होते. एक दिवस एका महंतांना ते जाणवले. त्यांनी त्यांच्याकडे असलेल्या परिसाचा स्पर्श त्या दगडाला केला. अवघ्या काही क्षणात तो तिथून अदृश्य झाला.

अगदी तसेच, आनंदाला किंमत समाधानाविना कवडीमोलही नाही. तसेच समाधान प्रत्येकाकडे नसते

आनंदी व्हायला पण कोणी येऊन त्याचा मोलाच्या स्पर्शाने त्या आनंदाला द्विगुणित वा बहुमोल करून जाते. असेही माणसं ओळखायला शिका, जे आपल्या आनंदाला कारणीभूत असतात आणि त्यांना आनंदात सहभागी करून घ्या. वाटल्याने आनंद वाटतो आणि त्याचं समाधान चेह-यावर लखाखते. आनंदाला कारणे निरनिराळी असतात, पण चेह-यावरील समाधान तो आनंद व्यक्तस करण्याला हवाचं असतो. हसण्याला कारणे शोधा, हसण्याला कारण बनवा.

गान कोकिका

मराठी 
पद्य विभाग

चुकलो...

पण, शिकलो ते महत्वाचं. थकलो..
पण टिकलो ते महत्वाचं.
रडलो.. पण, घडलो ते महत्वाचं. पडलो..
पण, धडपडलो ते महत्वाचं.
उरलो.. पण, पुरलो ते महत्वाचं.
हरलो.. पण, बहरलो ते महत्वाचं..

Ajinkya Gaikwad
E&TC

स्वप्न...

मनी धरुनी स्वप्न ते तुझे,
कर वाटचाल त्या दिशेने..
करण्या तुझे स्वप्न ते पुरे,
भर पंखात तुझ्या बख हिंमतीने..!

भलेमोठे असतील वाटेत त्या अडथळे,
अनेक दिसतील तुलाही घारी,
लागेल करावा त्यांचा तुलाच सामना,
घेण्या आकाशी उंच भरारी...!

उडशील कधी, कधी पडशीलही तु,
जिदद् तुझी ती सोडू नको,
हारण्याच्या भितीने स्वप्न ते तुझे,
केवळ स्वप्नच राहू देऊ नको..!

मुक्त या आकाशी उडता उडता,
असेल एक दिवस ठिकाण तुझे आले,
झाले असेल पुरे स्वप्न ते तुझे,
जे होते तू त्या उघड्या डोळ्यांनी पाहिले..!!

Padmashri Fadnavis
E&TC

मुके बोल बोलत आहे.....

प्रेमाची भाषा तुला नाही समजणार मुके बोल बोलत आहे
तुला नाही ऐकू येणार लाटेत प्रेमाच्या
वाहत गेलो कधी तुझ्या प्रेमात वेडा झालो काही कळाले नाही
हृदयास भास होतो तुझ्या असण्याचा

श्वासात श्वास येतो तुझ्या विचाराने तुझा मनमोहक
स्पर्श अजूनही आठवणीत आहे माझ्या
तो तू जाताना वाच्यासोबत येणारा तुझा सुगंध अजूनही स्मरणात आहे
माझ्या तुझ ते खळखळीत फुलांच्या पाकळ्या सारखा
नाजूक हसणं एका नजरेत संमोहन करणारे नेत्र तुझी ते
कोकिळे सारखी मधुर वाणी अजूनही आठवणीत आहे माझ्या

जणू माझ्या मनास भासते तू, पण कायम माझ्या मनात राहतेस
तू सगळे क्षण जपून आहेत आठवणीत माझ्या
शब्दात काही सांगता येणार नाही प्रेम माझं प्रेमाची
भाषा तुला नाही समजणार मुके बोल बोलत आहे
तुला नाही ऐकू येणार

Abhinav Gaikwad
E&TC

झुंज काल्पनिक गोष्टींची.....

झुंजतोय मनाशी रोज असा काही
जणू मनावर माझा काही ताबाच नाही दिवस दिसतो
आकाशातील ताऱ्यांसारखा काही
रात्र मात्र दिसते प्रकाशत पण तुझ्या सहवासाखाली
थेंब थेंब पडणाऱ्या झऱ्यांशी झुंजतोय असा काहीं
जसा वेगळा होत आहे अवकाशातील विलक्षणिय तारा
काहीं जणू समुद्राच्या लाटा ही तुझी जाणीव करून
देतात जाणाऱ्या प्रत्येक क्षण तुझ्या सहवासात असो
पण भीती आहे की जाणारी प्रत्येक लाटेत
कोरलेलं नाव पुसून जाईल कधी वाऱ्याचा वेग खूप जास्त होतो
पण त्यातून ही मला तुझा सुगंध ओळखता येतो
आभास आहे की खरं आहे, नाही माहित की फक्त
तुझ्या असण्यामुळे मी स्थिर असतो
खऱ्या गोष्टींना सोडून कायम काल्पनिक विचारात रमून असतो
झुंजतोय त्या मधला फरक ओळखण्यास
सोबती तुझा हात पाहिजे
लक्ष वेधून घेशील तू माझ्या काल्पनिक विचारांचा
हा विश्वास आहे माझा
अखेर मनाशी माझी झुंज थांबेल
फक्तं तू कायम रहा सोबती माझ्या.....
फक्तं तू कायम रहा सोबती माझ्या.....
फक्तं तू कायम रहा सोबती माझ्या.....

Abhinav Gaikwad

E&TC

माहेरची ग वाट....

सासरच्या त्या प्राजक्ताचा
घेईन थोडासा निरोप...
माहेरच्या त्या मातीची
आज होईल ग भेट.... ॥ १ ॥

आडवळणी खाचखळग्यांची
माहेरची ग वाट ...
बालपणीच्या आठवणीं चा
मग पुन्हा चढेन घाट.... ॥ २ ॥

माहेराला जाण्याचे
दिवाळी एक कारण ...
आईच्या पदरी फुटेल
अंतःकरणाचे धरण ... ॥ ३ ॥

बाप माझा कुंभार
त्याचा वाटेवरी आवा ...
चिखल तुडविण्यात दंग
जणू संत गोरोबा दिसावा... ॥ ४ ॥

चुलीभोवती पिंगा घाली
आयुष्य आईचे आव्यासमान ...
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माहेरी आनंदाचे निधान ॥ ५ ॥

चिखलासंगे अनोख नातं
बाप माझा मूर्तीकार
देव घडविण्यात दंग
माहेर माझे कलाग्राम... ॥ ६ ॥

भाऊ माझा कष्टकरी
येईल त्याला ग बख...
उटण्यासंग पाठीचा मी
काढीन त्याचा मळ ॥ ७ ॥

वहिनी माझी गुणाची
असे बहिणीसमान....
भक्कमपणे संसाराची
सांभाळतेय ग कमान.... ॥ ८ ॥

उरली सुरली दिवाळी
बालमैत्रिणीत घालविन ...
रम्य त्या गप्पागोष्टींमधी
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माझ्या पावलांनी अंगणी
येईल तुळशीला बहर ..
रंगीबेरंगी रांगोळ्यांनी
सजेल माहेरचे ग अंगण ॥१०॥

कवितेतील भावना...

खूप विचार करतो पण अति नाही करणार,
बाद होतिल पण सोबत कधिच नाही सोडनार....
वादाची कारण असतील कदाचित किरकोळ,
कारण चालु असतो मनात नेहमीच शब्दकल्लोळ....
चिडलो कधि मी तर मला ही समजुन घे ना,
बोलण्याआधी काही, कारण एकदा उमजून घे ना..
तुझ्यासोबती असतील खुप माझ्यासोबती फक्त तू,
कवितातील भावना माझ्या अर्थ मात्र तू.....

Rushikesh Dengale
Civil

उन्हात चालत असता

उन्हात चालत असता
आळस मला भेटला,
झाड आहे समोर बघ
बोट दाखवून म्हणाला

दयाळू वाटला जरासा
पटलं माझ्या मनाला,
धन्यवाद देऊन त्याचे
विसावा मी गाठला

लगेच माझ्या मागे मागे
तोही चालू लागला,
आता मात्र मला त्याचा
फार फार राग आला

पहिल्या भेटीतच असं
कुणाच्या मागे यायला,
कसं बरं कुणाचं
मन होतंय धोयला

मनातून हळूच माझ्या
उत्साह डोकावला,
बख एकवटून मी मग
आळस दूर झटकला

झप झप पाऊले टाकीत
लागले घर गाठायला,
मान वळवून पाहिले तर
आळस मागेच कोलमडला

Shilpa Kumbhar
E&TC



हिंदी विभाग

SECTION CO-ORDINATORS



प्रिय सहयोगियों, कॉलेज मैगजीन के हिंदी खंड में आपका स्वागत है। इस खास समय में, हम एक विशेष विषय पर चर्चा करेंगे – लेखन कलम। लेखन कलम विद्यार्थियों की जीवन में एक महत्वपूर्ण भूमिका निभाता है, और इसे साझा करना हमारे सभी के लिए एक रोमांचक अनुभव हो सकता है। यह कलम हमें विचारों को अभिव्यक्त करने का एक साधन प्रदान करता है और हमें अपने अंदर छिपे कला को बाहर लाने का एक माध्यम देता है।

लेखन कलम की अद्वितीयता और सुंदरता के बारे में हमारी धाराओं को बढ़ाते हुए, हम इस कलम के साथ कैसे जुड़ सकते हैं, उस पर चर्चा करेंगे। इसमें शानदार रचनात्मकता है जो हमें नए और रोचक दृष्टिकोण प्रदान कर सकती है। यहां हम इस अद्वितीय लेखन साधन के माध्यम से अपनी आवश्यकताओं और अनुभवों को कैसे व्यक्त कर सकते हैं, इस पर गहराई से विचार करेंगे। हम सभी को आमंत्रित करते हैं कि इस लेखन कलम के माध्यम से अपनी आवाज को सुनाएं और हमारी साझेदारी में शामिल हों।

आशा है कि इस खास खंड के माध्यम से हम सभी मिलकर नए और रोचक दृष्टिकोणों को अनुभव करेंगे, जो हमें आपसी समर्थन और समर्थन की ओर बढ़ने में मदद करेंगे।

दारतान-ए-भूरव



Parimala Mitta
(E&E)



अक्टूबर का महीना, खेतों में धान की खड़ी फसल मंगरे की दिलासा देती थी, बस चंद दिनों की बात है, फसल कट जाए तो न सिर्फ घर में एक छमाही के लिये रसद का जुगाड़ हो जाये बल्कि कुछ पुराने कर्ज चुकता हो जाएं तो नए कर्ज पाने की कोई उम्मीद बन सके।

मंगरु की फाकाकशी वाली गृहस्थी उधार मांगे तांगे और दुआओं के भरोसे चल रही थी। मंगरु बीमार, कमजोर, बेकार और लाचार था। लेकिन फिर भी निवाले उसे ही जुटाने थे, क्योंकि अपनी सयानी होती बेटियों को अपनी डेढ़ बीघे की खेती और पांच बकरियों को इर्द-गिर्द ही रहने देता था, क्योंकि गरीब की फसल और गरीब की बेटे पर बहुतों की गिद्धदृष्टि लगी रहती है। जीवन में जामदनी और कर्जों के भुगतान की उपेड़बुन में को धान की पकी फसल को निहारकर घर लौटा। हल्की बूँदा बांड़ी से शुरू हुई बारिश की लगातार चार दिनों तक झाड़ी नहीं रुकी। पहाड़ों पर हुई बारिश जब उत्तर कर नीचे आई तो तराई की नदियों और पहाड़ी नालों ने ऐसा उफान मारा कि रातोंरात गांव के गांव और शहर के शहर डूब गए। बाढ़ का पानी इतना अप्रत्याशित तरीके से आया कि लोगों ने मुश्किल अपनी जान बचाई। कोई कहीं नहीं भाग सका, क्योंकि चारों तरफ पानी ही पानी था। गांवों में भी लोगों ने दूसरी मंजिल पर जाकर पनाह ली या स्कूलों वगैरह की छत पर पनाह ली लेकिन जान बचाने के ये अवसर इनसानों को ही मिल सके, जानवरों को पनाह न मिल सकी जिससे मंगरु की सारी बकरियां इस दैवीय आपदा की भेंट चढ़ गयीं।

बाढ़ तो एक हफ्ते बाद उतर गयी लेकिन अपने पीछे

भयंकर बर्बादी छोड़ गयी। खेत में खड़ी फसल बर्बाद ती हुई घर में भी रखा अनाज सह-गल गया। सरकारी गोदामों दुकानों में भी रखा अनाज सह-राल गया था। हर तरफ भुखमरी का तांडव था और भूख हाहाकार कर रही थी। छह बेटियों का बाप मंगरु भी इस कठिन विपदा से भयाक्रांत था। तभी पता लगा कि सरकार ने ट्रक में भरकर अनाज भेजा है और हर परिवार को आटे की एक बोरी दी जानी है। आटा बंटने को आया, बीमार लाचार मंगरु को भी आटे की बोरी की जरूरत थी वो किसी तरह गांव से दो मील दूर अपनी पत्नी कर्मावती के साथ पहुंचा आटे के ट्रक के पास लगी बेतहाशा भीड़ को देखकर कर्मावती ने कहा- तुम इस भीड़ में गिर पड़ जायेगा तो चोट लग जायेगी। यहीं रुको एक तरफ, मैं आटे की बोरी ले लूंगी और ले भी आऊंगी। मंगरु ने सोचा इस भीड़ और भगदड़ में जनाना का जाना ठीक नहीं। लोग भूख से वैसे ही वहशियाना हरकते कर रहे हैं, कर्मावती को भेजना ठीक नहीं। वैसे भी मरद के रहते औरत का भीड़ में धक्के खाना उसकी मर्दाना गैरत के खिलाफ था। उसने कर्मावती की बात को मानने से इंकार कर दिया और अंत में कर्मावती को इस बात के लिये राजी भी कर लिया कि भीड़ में घुस कर आटे की बोरी वही लेगा।

पति के आत्मसम्मान का लिहाज करके कर्मावती ने सहमति दे दी। मंगरु ने कहा मैं आटा ले लूंगा लेकिन लेकर चल नहीं पाऊंगा शायद तू यहीं खड़ी रह भीड़ से हटकर जब भीड़ छंट जाए तब आना, दोनों मिलकर कोई जुगाड़ करेंगे बोरी को घर ले जाने का। पति की हालत से आशंकित मगर असमंजस में कर्मावती ने सहमति में सिर हिलाया। आटे की बोरियां कम थीं, और जरूरतमंदों की तादाद काफी ज्यादा सो थोड़ी देर तक आटा बेटा तमाम मशकत के बाद मंगरु को एक आटे की बोरी मिल गयी। आटा मिलते ही उसकी आँखों में उम्मीद की चमक लौट साथी को बोरी को एक किनारे कर



Sakshi Pawar
(E&TC)



प्रातःकाल अमीर बाप ने आलसी और को अपने पास बुलाया और कहा जाकर कुछ कमाना नहीं रात को भोजन न मिलेगा।

लड़का और निथा परिश्रम करने का उसे अध्यासन था। सीधा अपनी माँ के पास गया और रोने लगा। माता ने घंटे की आँखों में आँसू और उसके मुख पर चिन्ता और शौक की मलीनता देखी, तो उसकी ममता बेचैन हो गई। उसने अपना सन्दूक खोला और एक पौड निकालकर बेटे को दे दिया। रात को बाप ने बेटे से पूछा- आज तुमने कृपा का तड़के ने जेब से पौड निकालकर बाप के सामने रख दिया।

बाप ने कहा-इसे कुँए में फेंक आ

लड़के ने त्रता के साथ पिता की आज्ञा का पालन किया। अनुभवी कुछ समझ गया। दूसरे दिन उसने सूची को मैके भेज दिया।

तीसरे दिन उसने फिर लड़के को बुलाया और कहा 'जा कुछ माता नहीं रात को भोजन नहीं मिलेगा।' लड़का अपनी बहन के पास रोने लगा। बहन ने अपना सिंगारदान खोला, उसमें से एक रुपया निकाला और भाई को दे दिया।

रात को मापने मेटे से पूछा- आज तुमने

लड़के ने जेब से रुपया निकाल कर बाप के सामने रख

दिया।

बाप ने कहा- इसे कुएँ में फेंक जा। लड़के ने तत्परता के साथ

आजा का पालन किया। अनुभवी पिता सब कुछ समझ गया।

दूसरे दिन उसने बेटे को सुसराल भेज दिया।

इसके बाद उसने एक दिन फिर बेटे को मुलाकर कहकर

कुछ कमाल नहीं रात को भोजन न मिलेगा लड़का सारा दिन उदास रहा और उसकी आँखों से आँसू बहते रहे परन्तु आँसुओं को देखने की प्यार की आँखें घर में न थीं। होकर संध्यासमय वह उठा और बाजार में जाकर मजदूरी लगा

एक सेठ ने कहा- मेरा सन्दूक उठाकर घर ले चल मैं तुझे दी जाने दूंगा।'

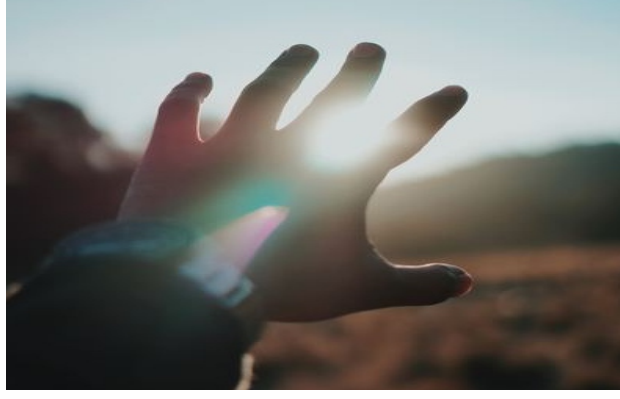
अमीरा के समीर बेटे ने सन्दूक उठाया और उसे सेठ के घर पर पहुँचाया, लेकिन उसकी सारी देह पसीने में तरी पाँच और गर्दन और पीठ में दर्द होता था।

रात को बाप ने बेटे से पूछा- 'आज तुमने क्या कमाया लड़के ने जेब से दुध निकालकर माप के सामने रख दी। बाप ने कहा- 'इसे कुएँ में फेंक का

लड़के की आँखों की जुवाला निकलने लगी। बोला- 'मेरी गरदन टूट गई है और आप कहते हैं कुँए में फेंक आ अनुभवी बाप सब कुछ समझ गया। दूसरे दिन उसने अपना कारोबार बेटे के सुपुर्द कर दिया।



Anjali Gudur
(E&E)



हम सभी के जीवन में एक व्यक्ति ऐसा होता है जिसे हम सबसे पहले याद करते हैं, चाहे हम किसी भी स्थिति में हों। हम उस व्यक्ति को शब्दों में व्यक्त नहीं कर सकते, चाहे कुछ भी हो जाए, चाहे हम कितने भी दूर क्यों हों, हम हमेशा कोशिश करते हैं। उन्हें याद करें और उस कहानी को बताएं। वह यह है कि हम उस व्यक्ति की खुशी में नहीं हैं लेकिन उसके दुख में हमें हमेशा उसके साथ रहना चाहिए क्योंकि उस समय व्यक्ति को कुछ ऐसी चीज की जरूरत होती है जिसे हम शब्दों में व्यक्त नहीं कर सकते। आपने सुना होगा कि सुनना सबकी करना खुद की। लोक तो बहुत सारी बातें करेंगे और हमारा ध्यान बतायेंगे जैसे ही

हम एक बात पर जिद कर बैठते हैं तो वह चीज नामुमकिन हो जाती है, ऐसा हमें लगता है कि वो बहुत मुश्किल है लेकिन हम उसे मुमकिन बनाने के लिए निकल पड़ते हैं, लेकिन जब हम दूसरों की बात सुनकर अपने कदम पीछे खींच लेते हैं, तो वही एक शख्स हमारा साथ देने के लिए काफी होता है और हमें आगे बढ़ने की प्रेरणा देता है,

इसलिए हमारी जिंदगी में एक शख्स ऐसा होता है, जिसकी बातों से और जो हमेशा हमारे साथ रहता है, हमें एक सहारा, एक अच्छा दोस्त और एक अच्छा साथमिलता है, चाहे कोई भी हो, हमें बस खोजने में सक्षम होना चाहिए...

■■■

जो चाहोगे वही पाओगे



Laxmi Mudgundi
(ENTC)



बहुत पुरानी बात है, एक गांव से नदी गुजरा करती थी जिसके किनारे एक साधु बैठा रहता था और जोर जोर से चिल्लाता रहता था जो चाहोगे वही पाओगे, जो चाहोगे वही पाओगे।

साधु को गांव के सभी लोग पागल कुछ लोग मूर्ख और ना जाने क्या क्या समझते थे। साधु हमेशा यही चिल्लाता रहता था और भगवान की भक्ति करता रहता थ बहुत दिन बीत गए एक दिन एक बेरोजगार लड़का वहां से गुजरा उसने साधु की यह बात सुनी और दौड़ा-दौड़ा उनके पास पहुंच गया।

उस लड़के ने साधु से कहा क्या मैं जो चाहूंगा वही पाऊंगा ? साधु ने मुस्कुराते हुए कहा हां बेटा जो तुम चाहोगे वही तुम पाओगे।

लड़के ने फिर एक बार कहा क्या आप सच कह रहे हैं ? क्या सच में जो मैं चाहूंगा वहीं मैं पाऊंगा।

साधु ने कहा हां जो तुम चाहोगे वही तुम पाओगे।

लड़के ने कहा क्या मैं सोने चांदी का बहुत बड़ा व्यापारी बन जाऊंगा।

साधु ने कहा हां बेटे तुम अवश्य बनाओगे आज मैं तुम्हें कुछ सोने और चांदी की वस्तुएं दूंगा जिसको तुमने ले जाना और देखना तुम एक बहुत बड़े सोने चांदी के व्यापारी बन जाओगे।

लड़के ने अपनी दोनों आंखें बंद की और साधु की ओर हाथ बढ़ा दिए । साधु ने एक हाथ लड़के का पकड़ा और कहा यह लो बेटा यह सोना है इसे समय कहते हैं। तुम कभी भी इसको हाथ से मत जाने देना, इसका एक-

एक पल अपने लक्ष्य प्राप्त करने के लिए उपयोग करना। तुम एक दिन जरूर बहुत बड़े व्यापारी बन जाओगे।

लड़के ने कहा और बाबा चांदी ?

साधु ने लड़के के दूसरे हाथ को पकड़ कर कहा यह लो यह चांदी है। इसे धैर्य कहते हैं। अगर बहुत मेहनत और वक्त का सही उपयोग करके भी लक्ष्य प्राप्त ना हो तब तक तुम धैर्य रखना और देखना तुम धैर्य में कितनी ताकत है। अगर तुम यह सोना-चांदी हमेशा अपने पास रखोगे तो दुनिया की कोई ताकत तुम्हें बड़ा व्यापारी बनने से नहीं रोक पाएगी।

उस लड़के ने साधु की बात को अपने मस्तिष्क में बहुत अच्छे से बैठा लिया और कभी भी अपने वक्त का ना दुरुपयोग किया ना कभी उसको हाथ से जाने दिया। वह अपने लक्ष्य को पाने के लिए निरंतर ही प्रयास करता रहा और जब वह हार जाता तो वह धैर्य का सहारा लेता और फिर दोबारा कोशिश करता।

देखते ही देखते बहुत कम समय में उस लड़के के अंदर व्यापार करने के वह गुण आ गए जो अभी तक किसी में नहीं थे। उसने बहुत छोटे से काम से शुरुआत की और अपने व्यापार को बड़े स्तर पर ले गया। आज के समय में वह सबसे बड़ा व्यापारी जो उसने उस दिन साधु से मांगा था बन गया।

उसने अपने लक्ष्य को प्राप्त करने के लिए अनेक संघर्ष किए, अनेक चीजें सीखी और ना अपने समय का दुरुपयोग किया ना कभी अपना धैर्य खोया और उसने वही पाया जो वह चाहता था।

शिक्षा - समय और धैर्य वह ताकत है जिसका उपयोग करके हर व्यक्ति अपने मन मुताबिक लक्ष्य को प्राप्त कर सकता है। निरंतर आगे बढ़ते रहना और कभी अपने लक्ष्य से विमुख न होने से ही हमें लक्ष्य प्राप्त होता है।

तो तुम अपने किरदार का मुआयना करने आये हो....

तुम अपने किरदार का मुआयना न करने आए हो,
खुद को खोये बिना, जगमगाहट छोड़ने आए हो ।
ये संसार तुम्हारे सामने झूम उठेगा,
तुम्हारे प्रतिभा का रंग फैलाने आए हो।

तुम्हारे आवाज़ में स्वर नहीं, समर्पण है,
रंग-बिरंगी भाषा में गीत गाने आए हो ।
जीवन की नायिका बनकर तुम उभरेंगे,
रंग भरे पलों में मधुर छांव छिड़ाने आए हो ।

सभी किरदारों में तुम चमकोगे चमक से,
नकाबों को उठा, अभिनय को जीने आए हो।
तुम अपनी प्रतिभा का नगीना नहीं छुपाओगे,
चर्चा में जग जगमगाने आए हो।

अपने किरदार में तुम चमकोगे चमक से,
भूमिका को जीवन देकर आने आए हो।
धीरे-धीरे छोड़ो आदतें और भ्रम,
सच्चाई की ओर अपने कदम बढ़ाने आए हो।
तुम अपने किरदार का मुआयना न करो,
खुद को पहचानो, खुदा को पहचाने आए हो ।

Ajinkya Gaikwad

TE, E&TC

तुम चली तो सही

यह में मुश्किल होगी हजार तुम दो कदम बढ़ाओ
तो सही हो जाएगा हर सपना साकार तुम चली तो सही,
तुम चलो तो सही

मुश्किल है पर इतना भी नहीं
कि तू कर ना सके दूर है मंजिल लेकिन इतनी भी नहीं
कि तूपा ना सके तुम चलो तो सही, तुम चलो तो सही

एक दिन तुम्हारा भी नाम होगा तुम्हारा भी सत्कार होगा
तुम कुछ लिखो तो सही तुम कुछ
आगे पढ़ो तो सही तुम चलो तो सही, तुम चलो तो सही

सपनों के सागर में कम तक गोते लगाते रहोगे.
तुम एक यह है चुनी तो सही तुम उठो तो सही,
तुम कुछ करो तो सही तुम चली तो सही, तुम चलो तो सही

कुछ ना मिला तो कुछ सीख जाओगे
जिंदगी का अनुभव साथ ले जाओगे गिरते पड़ते
संभल जाओगे फिर एक बार तुम जीत जाओगे
तुम चली तो सही, तुम चलो तो सही

तुम्हारे आने से...

तुम जब साथ होते हो तो अच्छा लगता है
तुम जब पास होते हो तो एक सुकुन सा मिलता है
तुम्हारे आने से ये दुनिया अच्छी लगने लगी है
खुदगर्जोगोकी दुनिया मे कुछ चीजे अपनी लगने लग है

तुम्हारे आने से ये जिंदगी और हसीन बन गई है
बेढंग सी मेरे जिंदगी मे अब चीजे सही होने लगी है
तुम्हारे आने से मुश्किल चीजे अच्छी लगने लगी है
मानो तुम्हारे आने से मेरा नजरिया बदलने लगा है

तुम्हारे साथ चलना चाहती हूं
लगता है तुम्हे और जानना चाहती हू
शायद कुछ रिश्ता है हम दो के बीच
जिससे हम दोनो ही अनजान ही ,शायद
उस रिश्ते से मै रुबरु होना चाहती हूं

तुम सपना हो या हकीकत मालूम नही
पर तुम्हे पाने की कोशिश हररोज़ करती हूं
तुम ख्वाब हो या सच्चाई मालूम नही
पर तुम्हे हरदम सोचना चाहती हूं
तुम भीड़ हो या तन्हाई मालूम नही
पर तुम्ह मे खोकर में खुदसे मिलना चाहती हूं
मै तुम्हारे जैसे नही तुम्हारी ही वजूद बनना चाहती हूं

Laxmi Mudgundi
E&TC

बारिश...

बारिश का मौसम होता है
कितना सुहाना दिल करता है
भीग कर बारिश मे
भूल जाऊं जीवन
के सारे दर्द न हो
कोई कभी भी गम
बारिश की बूंदे दिलाती है
याद मुझे बचपन के
वो प्यारे प्यारे पल दोस्तो
के संग बीते जो न जाने
कितने मौसम काश
लौट आता वापस
मेरा बचपन....।

Laxmi Mudgundi
E&TC

एक व्यक्ति.....

तुम जब साथ होते हो तो अच्छा लगता है
तुम जब पास होते हो तो एक सुकुन सा मिलता है
तुम्हारे आने से ये दुनिया अच्छी लगने लगी है
खुदगर्जोगोकी दुनिया मे कुछ चीजे अपनी लगने लग है

तुम्हारे आने से ये जिंदगी और हसीन बन गई है
बेढंग सी मेरे जिंदगी मे अब चीजे सही होने लगी है
तुम्हारे आने से मुश्किल चीजे अच्छी लगने लगी है
मानो तुम्हारे आने से मेरा नजरिया बदलने लगा है

तुम्हारे साथ चलना चाहती हूं
लगता है तुम्हे और जानना चाहती हू
शायद कुछ रिश्ता है हम दो के बीच
जिससे हम दोनो ही अनजान ही ,शायद
उस रिश्ते से मै रुबरु होना चाहती हूं

तुम सपना हो या हकीकत मालूम नही
पर तुम्हे पाने की कोशिश हररोज़ करती हूं
तुम ख्वाब हो या सच्चाई मालूम नही
पर तुम्हे हरदम सोचना चाहती हूं
तुम भीड़ हो या तन्हाई मालूम नही
पर तुम्ह मे खोकर में खुदसे मिलना चाहती हूं
मै तुम्हारे जैसे नही तुम्हारी ही वजूद बनना चाहती हूं

Laxmi Mudgundi

E&TC

जिंदगी...



चलते चलते
रुक जाना नहीं।
लड़ते लड़ते
हार जाना नहीं।

क्या यहीं उम्मीद हैं
क्या वो यही पल हैं।
उस हर पल के साथ
चलना ही पड़ता है।

आशा की किरण
हमेशा अंधेरे में दिखाती हैं।
उस किरण को साथ लेके
जिंदगी का सफ़र चलना है।

बीता हुआ हर पल
कुछ सीखाता है।
आने वाला कल
एक चुनौती देता है।

हर पल के बदलाव को
चलना कहते हैं।
ये राह हर पल
चलने को कहती हैं।

जिंदगी की घड़ी
हमेशा चलती है।
सफ़र का शायद
जवाब देती है।

ये पल की बातें हैं
जिसे जिंदगी कहते हैं।
काटो से भरा सफ़र
चलना सिखाती है।

Sanket Atnure

ENGLISH SECTION



SECTION CO-ORDINATORS

Exploring the Sun's Majestic Rise"In the realm of celestial wonders, few phenomena captivate the human spirit as profoundly as the sunrise. The Sun, that radiant celestial body, emerges each morning as a symbol of hope, renewal, and the inexorable march of time. As we stand on the precipice of a new day, bathed in the warm hues of dawn, we find ourselves tethered to the ageless allure of the sunrise. In the quietude of the morning, as the world stirs from its nocturnal slumber, the Sun's first rays illuminate the sky, painting a masterpiece that transcends cultural and geographical boundaries. It is a cosmic ballet, choreographed with precision, where darkness gracefully yields to the burgeoning light. The sunburst on the horizon signals not only the physical awakening of the Earth but also serves as a metaphor for the awakening of the human spirit. Within the pages of this section, we

embark on a journey to unravel the mystique of the sunrise—a celestial spectacle that has inspired poets, artists, and dreamers throughout the ages. From the scientific nuances of the sun's ascent to the poetic resonance it evokes in our hearts, we delve into the multifaceted significance of this daily cosmic ritual. Join us as we explore the interplay of science, art, and philosophy that converges at the crossroads of the Sun's rising, shedding light on the profound impact it has on our collective consciousness.





Prathamesh
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Is Education The Most Powerful Weapon We Have For Changing The World?



In 1990, at Madison Park High School, Roxbury, Nelson Mandela said that ‘education is the most powerful weapon we can use to change the world’¹. Changing the world requires first changing minds – and since education is so deeply linked to persuasion, it is no surprise that it is such an effective tool. It is not perfect, as there are many other factors, such as genetics and inherited traits, that can influence how we think, but it is far more effective than force, as will be shown in this essay. However, we should be cautious about this militaristic language when discussing the forces behind change; the use of ‘weapon’ implies a destructive and damaging impact, where we should be highlighting the nurturing aspects of education.

The concept of ‘changing the world’ is an incredibly wide one, and not necessarily positive, but this essay will focus on areas impacting social issues and rights. Education itself is also nebulous, but simply put, involves

imparting skills and knowledge, often (although not always) onto young people. Generally, increased education leads to a net positive impact – for example, increased fiscal spending on education led to a better standard of living² in Nigeria, between 1981 and 2017.

If people’s perspectives are changed, it can have a profound impact on their behaviour. For example, a study in Japan found that exposure to positive materials about immigration made subjects more likely to support it – and more likely to take political action promoting this viewpoint³. This is also clear on a much larger level – In 2013, LGBT Americans generally felt that there was far more social acceptance of the community than there was 10 years before, attributing this change to a variety of influences, especially the presence of more LGBT public figures in media⁴. Two years after, same-sex marriage was legalised in every state, correlating strongly with this increasing acceptance across the country. It seems that when attitudes change, the world often changes with them.

A kind approach to changing minds, rather than one involving force or mandates, has been proven to be more effective in various settings. For example, the study ‘Beneficent Persuasion: Techniques and Ethical Guidelines to Improve Patients’ Decisions’⁵ discussed the

best persuasion techniques in a clinical setting. These include framing (restating the same facts in a different context), refocusing (asking a patient to consider other aspects of a situation), and even invoking feelings of regret. Swindell et al insist that promoting values important to patients can cause results that are far more beneficial to a person's long-term wellbeing than simply restricting choice. A meta-analytical study by Elizabeth Thompson Gershoff commented on the ineffectiveness of corporal punishment on children. Gershoff looked at multiple studies on the topic, and concluded that, although this technique did result in high immediate compliance, the most common long-term results are exactly the opposite of what is wanted – aggression, and criminal and antisocial behaviour⁶. Perhaps effectively changing behaviour requires not coercive and 'weaponised' approaches, but ones that are enabling and facilitating.

Studies have clearly shown that persuasion works better than force, but both of the above situations are external to the school environment – what relation does this have to education? Teaching need not be confined to the classroom; many people have an influence on a person's learning, including but not confined to parents, peers, superior, the media, and indeed teachers. For example, 'Children of Different Worlds: The Formation of Social Behaviour' by Whiting and Edwards found that parents play an important part in the teaching of social gender roles, stating that

'the power of mothers to assign girls and boys to different settings may be the single most important factor in shaping gender-specific behaviours in childhood'⁷. Furthermore, in the 2002 study 'Relative Contributions of Families and Peers to Children's Social Development', Parke et al found that peer influences 'play significant roles in children's social development', especially as children move into adolescence⁸. Of course, more traditional subjects would generally come to mind when considering education, but arguably social knowledge is just as integral to changing the world as academic knowledge.

Within the classroom, persuasion is also integral to teaching. P. Karen Murphy, a professor of Educational Psychology at the Penn State College of Education, has described persuasion as a way to '[evoke] a change in one's understanding or judgement relative to a particular idea or premise'⁹. She argued that, in teaching, one is doing exactly this, and promoted the metaphor 'Teaching is Persuasion', treating the two ideas as one and the same. It makes sense that the concepts should be inextricably linked; there is proof that a teacher's attitudes can influence both the attainment and personality of their students¹⁰, showing that the instructor-student relationship can have an impact on views and behaviour.

'Changing minds' being possible, whether through persuasion or other means, does not necessarily imply that it is always

beneficial. A very extreme example of education being used in an attempt to change the world for the worse is the education system under Nazi Germany. Subjects such as 'race science' and geopolitics (which placed the 'fatherland' of Germany at the forefront) became central to the curriculum, in order to indoctrinate young people into the Nazi ideology¹¹. And it was very effective; a study by Nico Voigtländer and Hans-Joachim Voth found that Germans who had grown up under Nazi rule were two to three times more likely to hold anti-Semitic beliefs than those who had not¹². They also found that it was Nazi schooling, rather than radio or cinema propaganda, that led this extreme prejudice. Education is an extremely powerful tool in the wrong hands – but even then, the act of teaching young people is far more successful when it is handled as a persuasive act than as a weapon, no matter how destructive the consequences.

To some extent, near-uncontrollable factors can influence values and behaviours. For example, studies have shown that intelligence is heritable (in the sense that heritable means as a result of parentage, and not purely genetic), and often affected by various factors such as class, parents' attitudes to education, and even nutrition. Studies in the field of behavioural genetics have found that twins adopted into different families may well have very different IQs¹³, often corresponding to the IQ of the respective adoptive parents. This seems to show that upbringing massively

impacts intelligence, insofar as IQ is an effective measure of this. Additionally, culture has a notable influence on political perspectives; sociologist Florian Znaniecki argued that culture is an organising force in human affairs, calling this theory 'culturalism'¹⁴. If we are to use solely education in our attempts to change people's minds, we are unlikely to make as much change as is desired; there are many other issues, such as the aforementioned culture and upbringing, that first need to be tackled.

Matt Ridley's book 'Nature via Nurture: Genes, Experience, and What Makes Us Human'¹³ excellently highlights the extent to which we can influence behaviour through means such as education. He cites studies which found a high heritability of personality – such as one by Thalia Eley et. al. in the 1980s, which discovered that there is some genetic influence on children who become school bullies in Western cultures¹⁵. In fact, twin studies have found that personality and weight have very similar levels of heritability. Referring to this, Ridley notes that we do not encourage eating and exercising in dangerous amounts despite this heritability, since health can clearly be influenced by lifestyle choices – and the same goes for personality¹³. His book can be summed up by one specific quote; 'nurture depends on genes, and genes need nurture'¹³. This perspective is shared by many behavioural psychologists and indicates that education can probably influence behaviour (as seen from the Japanese study with regards

to attitudes to immigration) – however, behaviour can also be resistant to education, and influenced by other factors.

If education is to be used as the powerful tool that Mandela describes, this is inevitably be a long-term endeavour. Again, comparing personality and attitudes to weight, attempts in the UK tackle the rising levels of obesity take a long-term, strategic approach. Foundations are built from the ground up, with young children being taught about what constitutes a healthy diet, adults educated on how to feed themselves and their children nutritious food, and calls to display calories on menus and end buy-one-get-one-free deals on unhealthy food. Despite all these efforts, some of which (such as the prominent campaign for children, Change4Life) have been in place for over 10 years¹⁶, over 30% of adults in the UK were still clinically obese in 2018¹⁷. Yet these efforts still go on, as experts and government advisors remain of the view that they will have observable effects in the future with enough work. For example, studies have shown that said awareness campaigns about childhood obesity both effectively tackle misconceptions and educate parents¹⁸ – although again this is part of a multi-dimensional approach, with government policy and clinical intervention also being necessary.

To be the most effective tool, something does not necessarily need to be the perfect tool. Education can be used to change minds, and by extension behaviours, but it is limited to

some extent by external factors such as genes and social circumstances. If we are to use education, we must not deploy it as a weapon. Instead, we must emphasise the most important aspects; kindness, choice, and above all, persuasion. P. Karen Murphy's statement rings true. 'Teaching is Persuasion', and persuasion grants us the ability to change the world, more so than anything else.

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Memories and Emotions: Unforgettable Years of Engineering.



The last year of engineering was a really exciting and most emotional time for me. It was a period of complete change and looking back to this beautiful journey, I remember feeling so many different things at a time while it has come to an end. So, let's go on a short trip down memory lane and explore the special moments.

1. Bonds that last forever: From the very beginning of this journey, we were all new and unfamiliar faces. We were seeking someone to join us and make this journey unforgettable. We were like pieces of missing puzzle, searching for someone who would complete us. As time passed, we found those unique and perfect fitted pieces of puzzle and those connections grew stronger. We didn't come to know how these bonds became

an important aspect not only in the college but also in our life. Each friend filled a unique role, bringing their own perspectives and contributions of creating memory. As we move forward in life, the memories of this completed puzzle will stay forever with us.

2. Unforgettable professors: During our years of engineering, the relationships with the professors transformed into something deeper and meaningful. We admit that in the beginning every student is serious but as each passing day we became somewhat casual. We were so fortunate that the professors were not just experts in the field; they were also exceptional teachers. They recognized that each student is unique and having various strengths and weakness, they made efforts to support and encourage individually. At last, these inspiring professors taught us that education and entertainment can go hand in hand. They not only gave us knowledge but left us with tons of memories that will bring smile on our faces.

3. Growth and Self Discovery: Whole engineering is a period of immense personal growth and discovery. It is that time of life where we have to make important decision and stick to them. From internships to campus placements, every step we took brought us closer to what we decided to become. Personal growth is about stepping out of our comfort zone and challenging, pushing ourselves to become better version of who we are. In this journey, there were so many people who helped us to achieve our ultimate goal, and we found them in many forms, in professors who finds that spark in us and try to convert it into one of our biggest strengths, found in family members and in friends those who are our support systems during our tough and challenging times, serve as our cheerleaders so that we regain that confidence even though after losing it.

4. Farewell and Goodbyes: Goodbyes are one of the most difficult tasks to do. We eventually knew this every beginning has an end, but while enjoying, living with

our completed circle, we forget that on one day everyone has to goodbye each other. By each passing day, when we come closer to this 'last' thing our heart will get filled with sorrows. The mixed emotions of excitement of future and longing for memories created

a bittersweet environment. Although after the graduation, these friendships, these memories will continue to be cherished.

Engineering was a whirlwind of emotions and memories that each one of us will carry with them forever. The family, those irreplaceable friends, the support of professors and personal growth I did all made it an incredible journey. Looking back at the last year of engineering, it was a turning point of our lives that marked as an end of this chapter but beginning of another. Lastly, I would like to express my gratitude and sincere thanks to everyone who made this journey of 'Engineering' so special.

■■■

RECESSION



Md Haris AnisAhmad Shaikh
SE (CSE)



A recession is an economic downturn characterized by a significant decline in economic activity over a sustained period. It is often marked by a contraction in gross domestic product (GDP), increased unemployment rates, decreased consumer spending, and a decline in business investments. Recessions can have far-reaching impacts on individuals, businesses, and governments.

During a recession, businesses may experience reduced profits and may resort to cost-cutting measures such as layoffs or reduced production. Unemployment rates rise as companies downsize, leading to decreased consumer spending and a decline in demand for goods and services. This can further weaken the economy as it creates a cycle of reduced production and income.

Governments typically respond to recessions by implementing economic stimulus measures, such as fiscal policies and monetary interventions, to stimulate economic growth and stabilize the financial system. These measures aim to increase consumer and business confidence, encourage spending, and promote investment.

Recessions can have long-lasting effects on individuals, including financial hardship, job insecurity, and reduced access to credit. They also highlight vulnerabilities in the economy and can serve as a catalyst for structural changes and policy reforms to prevent future downturns.

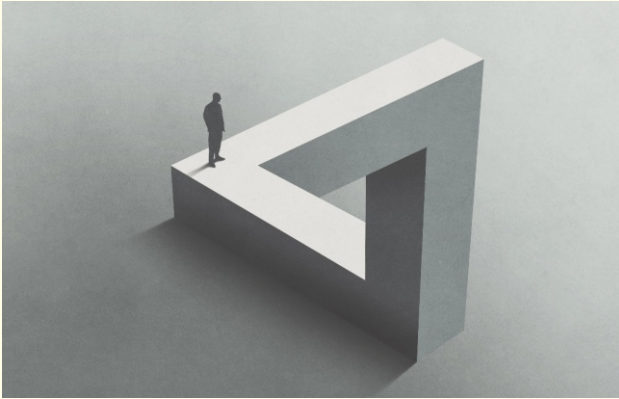
Overall, recessions are disruptive periods in the economic cycle, but they also present opportunities for growth, innovation, and resilience-building within the economy.



Never Imagined



Vamsi Vadsherla
SE (CSE)



Radhi is a girl very craziest and very happiest always and make each one happy and listen to all the struggles of others.. In life everything is given by God family relations but one thing we made by our own choice that is friendship.. and in everyone's life there is some moment comes that time everything changes...

Radhi give the more importance to her friendship more than a her family she can for them.. Radhi give her best to keep each one happy in her life of friendship. She share all the things to them. For her friendship is something which would make her the happiest one..

But she never imagined that the day also comes when the friendship ends from one side. She tried a lot to fix back everything but her friends never accepted her back.. they got new friends and they are enjoying a lot with them and ignoring her..

Then she went into a overthink and she was blaming herself for everything happened. She lost her friends totally. But she tried a lot to overcome from this over think but there was no one to whom she can share all this things happening to her the very close one she lost already.. she was felt like she lost her life. Then she saw her friends they were very happy without her so why should she think about them and lose her interest in everything..

Then she realised friendship is not only the thing we can have in life being with our own self and enjoying our own company is also best thing in life so she thank God to give her a beautiful life which she can enjoy herself and spread happiness wherever she go.. she believes in herself soshe moved on..!

Moral:If someone wants to comeback in your life then please accept them.. There is importance to you so they comeback.. so never ignore anyone.. Be Happy and make others Happy..!





Hamja Shaikh
SE (CSE)

How to Build a "Warrior Mentality"

Struggling with your daily Productive Routine ..
Then this is for you Warrior



Do you Struggle to do something you have wished for ? But can't do it because of lazy mindset. Then this is for you !

What is Warrior Mentality ?

Warrior Mentality is the idea that you won't quit. You will never give up. You will do whatever it takes to come out on top. To win the fight. To never accept defeat.

Where Warriors Fight their Battles ?

Warriors fight their battles in battlefields but the main battle is fought in their Minds and With their Souls . As a Modern Time Humans our Biggest Battle is with Ourselves , is with Our Mind , and Mainly Our Soul . You may think why i'm saying "the biggest Battles we fight is with Ourselves" cause the person's biggest enemy is he himself !

How it can be applicable to Our Life ?

Whether you are University student , Schooling Student , Working Person, Housewife, A person

who has done all in his life and Struggling in Old Age , Etc. You are of any age you have to fight with your mind and soul to do good things that benefit you and leave bad things which obviously harms you. Suppose take an example , i have decided to leave bad habits and to start a good and productive Daily Routine . I have Decided this on one Night while Sleeping , the first battle i have to fought is very next morning trying to wake up earlier . Your Alarm will ring thousands of times but if you are not mentally prepared for Waking up and Getting out of the bed you'll not get up and stay like this Sleeping like all the Fools . You have to tell your mind If i get up what are the benefits im getting and if i stay sleeping like this what benefits i am getting . If you Always Think " What are the Benefits I'm getting if i do this ? " you'll get your answer and you will be on your way to Healthy , Wealthy and a Productive Happy Life .

"WHEN MIND SAYS STOP YOU HAVE TO DO IT ONE MORE TIME "

Plan Your Journey And Give the Fullest of Your Efforts All of you have Set some Short term and long term goals in your Life . The Best way to achieve it is " Plan your Journey to That Goal " and Follow the steps of Your Journey until it is not achieved . I know it'll take time to fulfill your Goal but Trust the Process and Never ever give up .

Everyday in our life Until we Die And Turns into

Dust we have to Fought the Battles in every aspect of life So Make your Mind and Body this Strong that it'll support you to fight this battles of LIFE.

Only Mindset is Enough ?

My Straight Answer is NO . You'll need a Strong Mindset for sure but That's not all ! You Also need these Things Along with Mindset : Belief In God : You are the Creation of the best of Creators "God". Just have belief that if he created you its not without purpose something is destined for you and if it destined for you GOD will surely give you that But th only condition is You have to work hard and Show the Almighty that " I'm working so hard and yeah i surely want that thing in my life " . Have a Religious Belief and Follow a Religion Properly , it'll give you Mental Peace and Also Make your caretor happy . When your on the Religious Path Following it Strictly with your fullest surely your going to stay away from all the bad habits (Drinking , Smoking , etc) you'll Always strive for the things that makes your Almighty lord happy and makes you feel confident and Happy .

" FEAR NO ONE EXCEPT GOD "

Physical Fitness : If your Body is Fit You can do Anything in Your Life . I am also suffering from this thing that currently not having a physical fitness . I know this Fat thing around my belly and not having Stamina willl Surely not going to Benifit me in my life . I realised it and Started to work on myself and with concistency and Hardwork I can achieve my dream physique i have before in my life , maybe better than that .
Consistency : If you are doing something for just

one or two days and you're thinking that it will give me Success . Nah Bro ! It'll just give you False Hope and Lot of Disappointments . Be Consistent with what you do Success will Surely come to You. There's Famous Quote of John Haywood , "Rome wasn't built in a day, but they were laying bricks every hour" .

Happiness : Strive for the Happiness of yourself and the People Around you . Your personal happiness will surely help you to stay focused but the happines of People around you (Parents , Wife , Children , Friends , Animals) will give you motivation for whom you are doing all this . If you would be Successful the people around you will also be Bennifitted from it . Stay Away from Distractions : Harmful Social Media , Opposite Gender , Drinking , Porn , Smoking , Abusive Language , Music all of this will distract you from your journey and Harm you . Just Strictly Stay Away from it . This is Khabib , A Rusian MMA and UFC fighter with 29 - 0 Winning Streak and Retired Undefeated with this Winning Streak . He is a real inspiration to all of and Perfect example of what i have written in my Newsletter . His Hardwork , His Behaviour with his teammates , with his father , with his family , with his Opponent , etc . He Stay away from girls , dont drink alcohol , Dont use abusive Language . This man has a real Moral Values and he is one of the person to be learned from . You'll also amaze to know that He has Retired from UFC fighting after the death of His Father , this much the love he has for his Family and Friends .

■■■



Md Haris AnisAhmad Shaikh
SE (CSE)

Inflation: Understanding the Impact on Economies



Introduction:

Inflation is a key economic concept that affects the purchasing power of individuals and the overall stability of an economy. It refers to the general increase in prices of goods and services over time, resulting in the devaluation of a currency.

Understanding Inflation:

Inflation is a complex phenomenon influenced by various factors. It is often measured using consumer price indices (CPI), which track the average changes in prices of a basket of goods and services. When inflation occurs, each unit of currency buys fewer goods or services, leading to a decrease in the purchasing power of individuals.

Causes of Inflation:

Inflation can be caused by several factors. Demand-pull inflation occurs when the demand for goods and services exceeds their supply, driving prices higher. Cost-push inflation occurs when the production costs, such as wages and raw materials, increase, leading to higher prices.

Additionally, monetary factors, such as excessive money supply by the central bank, can also contribute to inflation.

Effects of Inflation:

Inflation can have both positive and negative effects on an economy. Mild inflation encourages spending and investment as people anticipate rising prices, stimulating economic growth. However, high and unpredictable inflation erodes the value of money, reduces purchasing power, and distorts economic decision-making. It can create uncertainty, reduce savings, and hinder long-term planning.

Managing Inflation:

Central banks play a crucial role in managing inflation through monetary policy. They adjust interest rates, control money supply, and regulate financial institutions to stabilize prices. Governments also implement fiscal policies, such as taxation and public spending, to manage inflationary pressures. Striking a balance between controlling inflation and promoting economic growth is a constant challenge for policymakers.

Conclusion:

Inflation is an economic phenomenon that impacts individuals, businesses, and economies as a whole. It is essential for governments, central banks, and individuals to monitor and manage inflation effectively to maintain stability and ensure the well-being of citizens and sustained economic growth.





Md Haris AnisAhmad Shaikh
SE (CSE)

Unemployment Crisis in India: Exploring the Multi-dimensional Challenges



Introduction:

Unemployment is a critical issue that continues to plague India, impacting individuals, families, and the overall economy. While it is a complex problem influenced by various factors, this article will shed light on additional challenges related to unemployment in India, beyond the ones mentioned earlier, and propose potential solutions.

1. Structural Unemployment:

Structural unemployment arises from a mismatch between the skills possessed by job seekers and the demands of the labor market. As industries evolve and new technologies emerge, certain skills become obsolete, leaving many individuals unemployed. To tackle this issue, the government should prioritize skill development initiatives that align with industry needs, encourage vocational training, and promote entrepreneurship to create more job opportunities.

2. Underemployment and Informal Sector:

Underemployment refers to individuals working in jobs that do not fully utilize their skills and qualifications. Many Indians, particularly in rural areas, are trapped in low-paying and insecure jobs in the informal sector, lacking social security benefits. Encouraging formalization of the informal sector, providing support for micro, small, and medium-sized enterprises (MSMEs), and promoting decent work conditions can help address underemployment.

3. Youth Unemployment:

Youth unemployment is a pressing concern in India. As the country's population skews younger, there is a need to generate sufficient employment opportunities for the youth. The government should focus on enhancing vocational training, entrepreneurship development, and creating a conducive environment for startups. Collaboration between academia and industry can bridge the gap between education and employability, enabling young individuals to enter the workforce more smoothly.

4. Regional Disparities:

Unemployment rates vary across different regions in India. Some regions face higher unemployment due to inadequate infrastructure, limited industrial development, and lack of opportunities. Implementing region-specific policies, promoting investments in

underdeveloped areas, and diversifying economic activities can help reduce regional disparities and create employment opportunities in these regions.

5. Skill Mismatch and Reskilling:

The rapid pace of technological advancements often leads to a skill mismatch, where the skills possessed by job seekers do not align with the requirements of available jobs. To address this, there is a need for continuous reskilling and upskilling programs that empower individuals to adapt to changing job market dynamics. Collaboration between industry and educational institutions can facilitate the development of skill-specific training programs.

6. Unemployment Among Educated Youth:

Despite having higher education degrees, many educated youth in India struggle to find suitable employment. This issue highlights the need for a more robust connection between education and industry. Promoting research and innovation, encouraging entrepreneurship, and fostering industry-academia partnerships can create avenues for gainful employment for educated

youth.

Conclusion:

Unemployment remains a significant challenge in India, necessitating comprehensive efforts and targeted interventions. By addressing structural unemployment, underemployment, youth unemployment, regional disparities, skill mismatches, and unemployment among educated youth, India can unlock its potential for inclusive and sustainable growth. The government, in collaboration with relevant stakeholders, should design and implement policies that foster job creation, enhance skill development, and create an enabling environment for entrepreneurship. Additionally, there is a need for active collaboration between educational institutions, industry, and the government to bridge the gap between education and employment. Through a multi-pronged approach, India can overcome its unemployment crisis and pave the way for a brighter future for its citizens.

■■■

Hello after Goodbye



Aniruddha Raut

BE (E&TC)



If you are brave enough to say goodbye, Life will reward you with a new hello. In different ways. Yes, saying goodbye to someone or something can be difficult and emotionally challenging, but it can also be a positive step towards new opportunities and growth. By letting go of the past, you create space for new experiences, relationships, and possibilities to enter your life. It's important to remember that new beginnings can take many forms, and they may not always be immediately apparent. Sometimes, a new

hello might come in the form of a new job, a new relationship, or a new hobby. Other times, it might involve personal growth, self-discovery, or a newfound sense of purpose. Whatever form it takes, embracing new beginnings requires a willingness to let go of what's familiar and comfortable, and to take risks and explore new territories. It can be scary, but it can also be incredibly rewarding and fulfilling. So, if you find yourself in a situation where saying goodbye is necessary, remember that it's not the end, but rather the beginning of a new chapter. Stay open to new possibilities, and trust that life will reward you with a new hello when the time is right.

■■■

Her

There's a girl in this cruel, evil world
 In her mind all her thoughts whirled:
 Persistently in the search of emotional
 support Grading down with her academic report;
 Once was she known for beauty and brains
 Now shreds her tears like heavy rains;
 With a dark past she moved on from her eighteens
 Had a year of happiness, back to
 darkness she leans;
 Post lockdown, blessed to have new good friends
 Until today not knowing who's real, who pretends!
 How hard is it to maintain her image she thinks
 Overthinking in her depressed thoughts she sinks
 She earned no one who could listen to her feelings
 God is the only one who keeps her healing:
 She is brutal at times, gentle otherwise She has to
 fight her own war and arise;
 She isn't alone taking her steady steps ahead
 She has got the back of her dad dead!

- Sejal Jadhav

Under The Happiness

The Cloud seems to cry but it's not crying Cause the
 sun is rising to make him smile The sun is rising and sky is
 running Trees are dancing cause birds any cheering
 Everything is fine so strange tim feeling But then
 tuppiness says here I'm coming
 Not wanting my time on crying and huting Leaming
 from those who are laughing and loving Oparing the door
 of heart my friends are calle They only talk, rose
 but sering Everything is the so strange feeling Be
 happiness says been coming
 Sharing a burdens with someone who's cama
 All say is weird but still they are listening No
 more feeling blue when people are changing
 I'm fed with love and tired of hating
 Everything is fine so strangeimfosing
 But then hoppinnas saya bem comig

- Aleena Hanjgikar

Nature

*In nature's embrace, a symphony unfolds,
Where beauty's hues paint stories untold.
The sun's golden rays kiss the morning dew,
Awakening life in every drop anew.*

*The gentle breeze whispers through the trees,
A soothing melody that puts hearts at ease.
Among the flowers that bloom in grace,
Butterflies dance with delicate embrace.*

*Majestic mountains rise to touch the sky,
Their peaks a testament to time passing by.
Rivers flow with a relentless song,
Carving pathways as they journey along.*

*In meadows green, wild creatures roam,
Each with a tale, a journey to call their own.
From chirping birds to the wise old owl,
Nature's tapestry weaves a wondrous prowl.*

*So let us cherish this gift divine,
The wonders of nature, an endless line.
For in its embrace, we find solace and glee,
A sanctuary of life's grand harmony.*

- Md. Haris Shaikh

Dried Petal

*On the land of judgemental
I'm here as dried petal,
Fragrance is worthless here
Appearance what matter's first.
Feels like my life is dope
Maybe I'm the crap on floor,
Besides the one you can't afford,
Like beautiful ornament
Better than gold.
Perfection is what we are
No need to change, who you are,
Be a bloomed flower and shine bright,
That's all can make everything right.
You may think you're not worth
When you're a diamond in the rough,
Quirks and flaws what makes you unique
It's a pride and not a critique.
Get on and chin up high,
You're beautiful, that's not lie,
You are born perfect, just as you are
And will always be a blooming star.*

- Hifza Shaikh



TECHNICAL SECTION

SECTION CO-ORDINATORS

Welcome to the dynamic realm of Artificial Intelligence (AI), a revolutionary field that has seamlessly integrated itself into the fabric of modern technology. AI, at its core, is the development of computer systems that can perform tasks requiring human intelligence. The genesis of AI can be traced back to the mid-20th century, and since then, it has evolved into a multifaceted discipline with far-reaching implications. Today, AI finds application in diverse domains, from natural language processing and image recognition to autonomous vehicles and healthcare diagnostics. In the following technical section, we embark on a journey through the key pillars of AI, exploring its foundational concepts and cutting-edge advancements. We delve into the intricacies of machine learning, a subset of AI that empowers computers to learn patterns and make decisions without explicit programming. Neural networks, inspired by the human brain, play a pivotal role in the success of many AI models, and we unravel their significance in deciphering complex problems.

Moreover, ethical considerations and the societal impact of AI are integral aspects that cannot be overlooked, prompting us to ponder the responsible development and deployment of these powerful technologies. Join us as we navigate the landscape of AI, uncovering its inner workings, applications, and the ethical dimensions that shape its trajectory. As we stand at the forefront of this technological revolution, it is crucial to understand not only the potential benefits but also the ethical responsibilities that come with harnessing the power of AI.



Chandrayaan-3



Anirudh Raut
SE (CSE)



Chandrayaan-3 is India's upcoming lunar mission, following the Chandrayaan-2 endeavor in July 2019, which aimed to successfully land a rover on the lunar South Pole. The launch is planned for later this year (2023) using the Launch Vehicle Mark 3 (LVM3) from the Satish Dhawan Space Centre at Sriharikota.

The decision to undertake Chandrayaan-3 came after the Vikram lander's unfortunate failure during Chandrayaan-2. The objective of this mission is to demonstrate the necessary landing capabilities required for the proposed Lunar Polar Exploration Mission in collaboration with Japan, scheduled for 2024.

Chandrayaan-3 will consist of three primary modules - the Propulsion module, Lander module, and Rover. The Propulsion module will transport the lander and rover configuration to a 100 km lunar orbit. The Lander will

possess the capability to perform a soft landing at a predetermined lunar site and then deploy the Rover. The Rover's main task will involve conducting in-situ chemical analysis of the lunar surface while navigating its way around.

As of my last update in September 2021, there were no recent news reports about the Department of Science stating that India plans to execute the Chandrayaan-3 mission in August 2022. It's possible that there have been developments beyond my knowledge cutoff, but I don't have access to real-time information.

Chandrayaan-3 is a follow-up mission to Chandrayaan-2, which aimed to land a rover on the lunar South Pole. The failure of the Vikram lander during Chandrayaan-2 prompted the need for Chandrayaan-3 to demonstrate the required landing capabilities for the Lunar Polar Exploration Mission in partnership with Japan in 2024.

Chandrayaan-2 consisted of an

Orbiter, Lander (named Vikram), and Rover (named Pragyaan), equipped with scientific instruments to study the moon. However, Vikram's landing was not successful, preventing the Rover from effectively exploring the lunar surface.

GSLV-Mk 3 (Geosynchronous Satellite Launch Vehicle Mark-III) is a powerful launch vehicle developed by ISRO for launching communication satellites into geostationary orbit. It has a substantial payload capacity to Low Earth Orbit (LEO) and Geo-Synchronous Transfer Orbit (GTO).

There are different types of orbits, such as Polar Orbit, which travels north-south over the poles, and Geosynchronous Orbit, which matches the rotation of the Earth. Geosynchronous Transfer Orbit (GTO) is used to attain geostationary or geosynchronous Earth orbits.

ISRO now eagerly awaits the "Lunar Orbit Insertion," which is scheduled to occur around August 5th. During this manoeuvre, the spacecraft will be inserted into the Moon's inner orbits.

Before this phase, the spacecraft's orbit was systematically raised in five stages following its launch on July 14, 2023.

The primary objectives of this mission are to explore achieving lunar orbits through the slingshot effect, make a soft landing on the Moon's surface, and deploy a rover to collect and analyze samples.

Chandrayaan 3 aims to softly land on the Moon's surface on August 23. Unlike Chandrayaan 2, which unfortunately crashed, Chandrayaan 3 aims to learn from the mistakes of its predecessor.

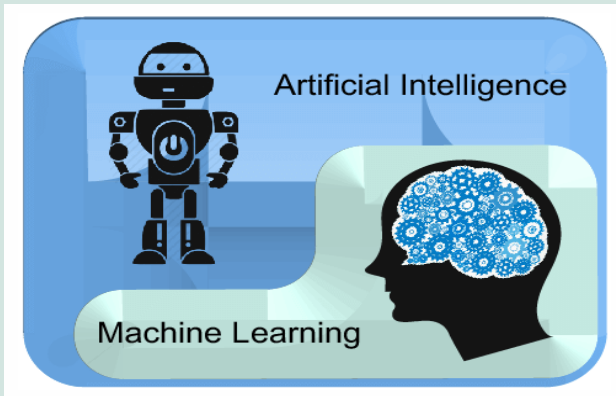
ISRO is gaining significant recognition in the field of space exploration missions as it showcases its expertise and achievements in interstellar travel.



Artificial Intelligence Vs. Machine Learning



Siddhesh Hippargi
SE (CSE)



You might hear people use artificial intelligence (AI) and machine learning interchangeably, especially when discussing big data predictive analytics, and other digital transformation topics. The confusion is understandable as artificial intelligence and machine learning are closely related. However, these trending technologies differ in several ways, including scope, applications, and more.

So, what exactly is the difference when it comes to ML vs. AI, how are ML and AI connected, and what do these terms mean in practice for organization today?

WHAT IS THE ARTIFICIAL INTELLIGENCE?

Artificial intelligence is a broad field, which refers to the use of technologies to build machines and computers that have the ability to mimic cognitive functions associated

with human intelligence, such as being able to see, understand, and respond to spoken or written languages, analyze data, make recommendations, and more.

WHAT IS THE MACHINE LEARNING?

Machine learning is a subset of artificial intelligence that automatically enables a machine learning or system to learn and improve from experience. Instead of explicit programming, machine learning uses algorithms to analyze large amounts of data, learn from the insights, and then make informed decisions.

DIFFERENCE BETWEEN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

" Artificial intelligence allows a machine to simulate human intelligence to solve problems.

¢ The goal is to develop an intelligent system that can perform complex tasks.

¢ We build systems that can solve complex tasks like a human.

☺ Artificial intelligence has a wide scope of intelligence.

☺ AI works with all types of data: structured , semi - structured , and unstructured.

MACHINE LEARNING

☺ ML allows a machine to learn autonomously from past data.

☺ The goal is to build machines that can learn from data to increase the accuracy of the accuracy of the output.

ML uses self learning algorithms to produce predictive models.

☺ ML systems rely on statistical models to learn and can self -correct when provided with new data.

BENEFITS OF USING AI AND ML TOGETHER

AI and ML bring powerful benefits to organizations of all shapes and sizes , with new possibilities constantly emerging. In particular , as amount of data grows in size and complexity, automated and intelligent systems are becoming vital to helping companies automate tasks, unlock value, and generate actionable insights to achieve better outcomes.

■■■

Life Without Electricity



Anjali Gudur
SE (CSE)



We all know that now we are living in 21st century as we have three basic needs food, clothing, shelter, similarly in my opinion the fourth basic need is electricity. Because today, yesterday, no one can live without light.

We cannot imagine our lives without electricity. All our functions and comforts are entirely dependent on electricity. To think of a life without electricity is almost impossible today. We find ourselves completely helpless in a situation where there is no electricity. The importance of this

necessity of having electricity is generally felt in its absence.

It is said civilization of man began when he learnt to use fire and light. From time immemorial man used wood for fire and oil for light. Man is a progressive animal so he gradually developed electricity. Now electricity has become necessary for life everywhere. Now to think of comforts of life without electricity is almost impossible. We enjoy all the comforts and luxuries of life with the help of electricity. Electricity is the greatest boon of modern life.

■■■

Unraveling the Threads of Technological Impact



Sairam Gudeli
SE (CSE)



In the tapestry of human progress, technology has woven itself intricately, shaping the very fabric of our existence. From the mundane to the profound, its impact resonates across every corner of our lives, redefining the way we perceive and navigate the world.

**1. The Digital Revolution

The digital revolution has ushered in an era of unprecedented connectivity. The world has shrunk to the size of a screen, with information and communication flowing seamlessly. Social media platforms have become virtual town squares where ideas, emotions, and stories are shared, bridging cultures and uniting humanity in a global conversation.

**2. Knowledge at Your Fingertips

Education has transcended the confines of classrooms. The internet is a vast treasure trove of knowledge,

accessible to anyone with a device and a connection. Online courses and educational websites have democratized learning, empowering individuals to upskill and explore new horizons.

**3. A New Frontier in Medicine

Technology has become the scalpel of medical innovation. Precision surgeries, personalized treatments, and telemedicine have revolutionized healthcare. The development of wearable devices and health-tracking apps empowers individuals to take charge of their well-being, transforming the relationship between patients and practitioners.

**4. Work Redefined

The concept of work has undergone a metamorphosis. Remote work and telecommuting are no longer distant dreams but everyday realities. The gig economy has flourished, offering freelancers and entrepreneurs a platform to showcase their skills on a global stage, blurring the lines between traditional employment and self-driven ventures.

**5. Entertainment Unleashed

Entertainment has transcended the physical realm, becoming a realm of experiences. Virtual reality transports us to fantastical realms, while augmented reality breathes life into the mundane. Streaming platforms have democratized content creation, giving rise to diverse narratives and voices.

**6. Greening the Tech Landscape

Even as technology powers ahead, it is also becoming a force for environmental stewardship. Sustainable practices and innovations are driving eco-friendly alternatives. Renewable energy sources, smart homes, and energy-efficient technologies contribute to a greener, more sustainable future.

**7. The Ethical Paradox

Yet, the rise of technology is not

without its ethical conundrums. Privacy concerns, data breaches, and the digital divide pose critical questions. As we navigate this intricate web of progress, it becomes imperative to balance innovation with responsibility, harnessing the power of technology for the collective good.

In Conclusion

Technology's impact is a double-edged sword, a dance between promise and peril. It has shattered barriers, amplified voices, and sparked revolutions. However, it also demands introspection and ethical vigilance. As we traverse this digital landscape, let us wield technology's tools mindfully, weaving a narrative of progress that uplifts and empowers all of humanity..

■■■

How Will Technology Affect the Labor Market Landscape?



Radhika Shahari
SE (CSE)



If you'd like to get a brief outlook on the global labor market and its transformation during the next years, you're in the right place. In this article, I have collected the main insights from the 2023 Future of Jobs Report by the World Economic Forum.

So, let's check what labor-market transformations to expect and discover the main triggers for them.

- Adoption of Frontier Technologies Are Going to Drive Job Growth:

Right off the bat, we'd like to start with the influence of macro trends and technology trends on jobs and skills in the nearest future. The survey shows that more and more businesses are expected to adopt new and frontier technologies and broaden their digital access. These are the two main trends during the next five years in over 85% of the organizations surveyed.

Notably, technological advancement through utilizing new technologies and increased digital access are also expected to drive job growth in more than 50% of surveyed companies.

- The World Needs More IT Specialists

Technology is changing not only the way we work, but it's also rapidly changing the job content and sought-after skills. And understanding how exactly technologies will influence the labor market is crucial for determining whether people can transition to the "jobs of tomorrow."

As you see, digital platforms and apps, big data, cloud computing, the Internet of Things, and AI will be adopted by 75% in the next five years. It means that more and more IT

specialists who can work in these fields will be required. With that, workers should stop worrying that they will be heavily substituted by robots as the adoption of non-humanoids ranks lowest on the list. Previous editions of the Future of Jobs Report have already focused on the

correlation between human work tasks and machines or algorithms. That's why we can come up with the exact numbers.

Now 34% of all tasks are performed by machines, while the remaining 66% are performed by humans, representing a 1% increase in automation from the report's 2020 edition.

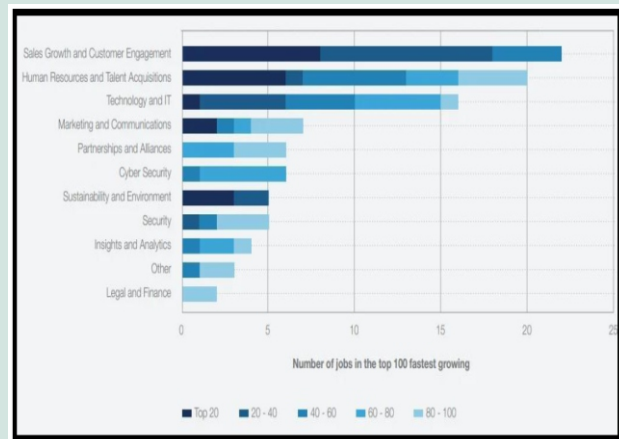
Such a low pace of automation contradicts the previous expectations that almost half of the business tasks would be automated in the following five years. From this, it's easy to conclude that task automation will not reach the expected 51.3% by 2027.

Yet, the potential scope of automation and augmentation will further increase over the next five years, with AI technologies finding mainstream applications across numerous sectors.

For example, recent studies found that Large Language Models can already automate 15% of tasks. And if combined with applications that can correct factual inaccuracies of Large Language Models, this share may increase to 50%.

- "Jobs on the Rise"

The report includes the results of the recent research conducted by LinkedIn, the world's largest professional network, to keep us up-to-date with the most popular job sectors predicted to increase within the next years. The research is known as "Jobs on the Rise," it describes the 100 spheres that have grown the fastest over the last four years



Predictably, Technology and IT are among the Top 3 "Jobs on the Rise." Such rapid growth can be attributed to the increasing adoption of technology across most industries, the need for digital transformation, the reliance on information systems, cybersecurity concerns, and the continuous emergence of innovative technologies.

- What Are The Growing and Declining Jobs?

Going deeper into increasing job

posts, we'd like to highlight that AI and Machine Learning specialists are at the top of the list, followed by Sustainability Specialists and Business Intelligence Analysts.



This table clearly shows that the fastest-growing roles are driven by technology, digitalization, and sustainability. Renewable Energy engineers and Solar Energy engineers are also becoming highly demandable as many industries are shifting towards

renewable energy. It's worth noting that the fastest-declining roles are also driven by technology and

digitalization.

Automation is going to gradually substitute Secretarial roles, Clerks, and Cashiers. To be more precise, the report shows that such roles as such as Data Analysts and Scientists, Big Data Specialists, Business Intelligence Analysts, Database and Network

Professionals, and Data Engineers will undergo a 30-35% increase (1.4 million jobs) due to the integration of frontier technologies which rely on big data. Demand for AI and ML specialists is expected to grow by 40% (1 million jobs) as the utilization of AI and ML continues to be the critical factor of industry transformation.

- The Most Sought-after Skills: Cognitive Skills, Self-efficacy, and Technology Skills

Finally, we've come to the most critical question "What skills are needed for these professions? How to stay demandable in the nearest future?".

Analytical Thinking will remain the most sought-after skill required by most companies (constitutes, on average, 9% of the core skills reported by companies). Cognitive skills and creative thinking are ranked the second core skills, followed by self-efficacy skills, including resilience,

flexibility, and agility.

Though management skills, engagement skills, and technology skills are considered less important than self-efficacy, they will still play a critical role in the future.

Speaking about business expectations, it's worth noting that cognitive skills also top the list of "Skills on the rise." Companies will seek employees who can solve complex problems in the workplace effectively.

- Wrapping Up

Ultimately, the Technology and IT sector will experience rapid growth due to various factors outlined in the Future of Jobs Report. The increasing adoption of new and frontier technologies is expected to drive job growth in the next five years. Technological advancements are reshaping job content and sought-after skills. We know the state of the labor-market landscape and what skills students need to stay relevant in the ongoing digital transformation and the emergence of innovative technologies across all industries.





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Threads, Instagram, TikTok: Top Social Media Apps and What Technologies Stand Behind Them

Threads... 10 million signups in the first 7 seven hours. Over 70 million signups in less than 2 days. The Meta's new social platform breaks the records as one of the most successful app launches ever. However Meta boss Mark Zuckerberg says its new social media platform, Threads, has lost more than half its users.

So, let's discover whether the hype is worth it and what technologies stand behind Threads (and other top apps).



What Are The Tech Stack Behind Threads?

Threads, a new social media app, was launched on 5th July and became the fastest-growing app in history . it achieved more than 100 million users thus, outperforming even the trending ChatGPT. According to Mark Zuckerberg, Threads is claimed to

create a new experience for Instagram users in the way they share text", allowing users to respond to, repost, and quote each other's posts. Seems familiar? Yes, there are a lot of talks that Threads is quite similar to Twitter. But can this brand new text-based surpass and even replace Twitter? Time will tell.

Today, we're interested in what tech Threads run on. Well, like many other mobile apps, Threads leveraged the technologies offered by Apple's iOS and Google's Android. The app was developed using Swift for iOS and Java along with Kotlin for Android. The creators of Threads are also planning to make the app compatible with ActivityPub, the open social networking protocol established by W3C. This technology would make Threads compatible with other apps that support the Activity Pub as well, such as Mastodon and WordPress.

. What Technologies Are Behind Other Social Media Apps?

Below, we are going to explore the most widely used apps and the underlying technologies they rely on.

The top 10 apps in the world in 2023 by number of downloads include:

- . Instagram
- . TikTok
- . Facebook
- . WhatsApp Messenger
- . Snapchat
- . Telegram
- . Shopee
- . Facebook Messenger
- . Spotify
- . Zoom Cloud Meetings
- . Instagram

Instagram is the world's most famous social media platform where people can share their photos and videos. The app has over a billion of active users and is available on iOS and Android devices. Mobile app development:

. Instagram's mobile apps for iOS and Android were primarily built using native development technologies. For iOS, the app was written in Objective-C initially and later transitioned to Swift. For Android, the app was developed using Java and then gradually adopted Kotlin.

Databases and storage:

. PostgreSQL: Instagram uses PostgreSQL as one of its primary databases to store various types of data, including user information and posts.

. Cassandra: To handle the massive scale and high throughput of data, Instagram employs Cassandra, a distributed NoSQL database, for certain operations.

. Redis: Instagram uses Redis for caching frequently accessed data, which helps improve the platform's performance and response times.

Infrastructure and Tools:

. Amazon Web Services (AWS): Instagram relies on AWS for cloud-based infrastructure, storage, and content delivery to ensure high availability and scalability.

. CDN: A Content Delivery Network is used to efficiently serve images and media files to users across the globe, reducing load times.

. RabbitMQ: Instagram uses RabbitMQ as a message broker to manage message queues and facilitate communication between different services.

Machine Learning and AI:

. Instagram also utilizes machine learning algorithms for various features, such as content recommendation, image recognition, and spam detection.

. TikTok

TikTok is a social media platform that is all the rage among Gen Z. It's a

short-form video-sharing app that allows people all across the globe to create and share short videos with others. Mobile app development:

- . Just like Instagram, TikTok's mobile app for iOS was written in Objective-C and later transitions were made to Swift, Apple's modern programming language for iOS app development.
- . For Android, the TikTok app was developed using Java and later adopted Kotlin.

Databases:

- . TikTok utilizes such databases as MongoDB, SQL, Cassandra, and MySQL.

Cloud Services:

- . TikTok uses cloud services, such as Amazon Web Services (AWS) or Google Cloud Platform (GCP), to support its backend infrastructure, storage, and computing needs.

Machine Learning and AI:

- . TikTok incorporates machine learning and AI technologies for various features, such as personalized content recommendations, video content filtering, and user engagement analytics.

. Facebook

Facebook is a social platform with over 2 billion active users. Facebook is not

only a popular mobile app but also one of the most popular websites on the internet. Programming languages:

- . PHP: Facebook's backend was originally built using PHP, and a large portion of the platform's codebase is still in PHP.
- . Hack: Facebook developed Hack, a variant of PHP that includes static typing and other enhancements, which is used for many parts of the platform to improve performance and maintainability.

Databases:

- . MySQL: Facebook initially used MySQL as its primary database management system for storing user data and other information.
- . Cassandra: Facebook later developed and implemented Cassandra, a distributed NoSQL database, for handling massive amounts of data across multiple data centers.

Infrastructure and tools:

- . Hadoop: Facebook uses Hadoop for processing and analyzing large-scale data, enabling data-driven decision-making.
- . Presto: Presto is an open-source distributed SQL query engine used at Facebook for interactive analytics.
- . Hive: Hive is a data warehousing and

SQL-like query language used for batch processing and analysis of data.

- . Thrift: Created by Facebook, Thrift is a framework for scalable cross-language services development used for inter-service communication.

Mobile app development:

- . Facebook's mobile apps are primarily built using native technologies, such as Java/Kotlin for Android and Objective-C/Swift for iOS.

- . Telegram

Telegram is a cloud-based messaging app that was created using a combination of various technologies to support its mobile apps, server infrastructure, and other components. Telegram is available for free on Android, iOS, Windows Phone, macOS, and Linux. Programming languages:

- . The Windows Telegram desktop application's core components and server-side functionality were developed using C++.

- . The macOS Telegram application combines Objective-C, C, and Swift.

- . For iOS app development, Telegram also utilized Objective-C and later switched to Swift.

- . Telegram's Android app is built, using Java, C, and C++ as the primary languages.

Web version:

- . The Telegram web version is built using web technologies such as HTML, CSS, and JavaScript. Web version combines NodeJS and AngularJS as the frontend and backend frameworks.

Bot API:

- . Telegram offers a Bot API that allows developers to create bots to interact with users and perform various tasks. The API is accessible using HTTP-based requests.

WhatsApp Messenger

WhatsApp is a messaging app for phones aimed to let users send text, audio, and video messages for free. Almost for 15 consecutive years, WhatsApp stays one of the most popular messaging apps, with more than 1 billion users worldwide. Mobile app development:

- . For iOS, the app was written in Objective-C and later transitioned to Swift. For Android, the app was developed using Java.

Frontend development:

- . WhatsApp's user interface on mobile devices was created using UIKit for iOS and Android UI components.

Backend development:

- . Erlang: WhatsApp's backend was

built using Erlang which allowed WhatsApp to handle large numbers of concurrent connections and provide real-time messaging efficiently.

- . Ejabberd: WhatsApp's messaging infrastructure is based on the open-source XMPP (Extensible Messaging and Presence Protocol) server called Ejabberd.

Databases and storage:

- . Not so long ago, WhatsApp became part of Facebook and integrated with some of Facebook's existing technologies and infrastructure, including database systems like MySQL or other NoSQL databases.

Voice calling:

- . WhatsApp introduced voice calling features, which were implemented using VoIP (Voice over Internet Protocol) technologies.

- . Snapchat

Snapchat is also a messaging app created to help users send images, videos, and text. The app became popular because of its numerous filters, which can help users change the appearance of their images and videos. Mobile app development:

- . Snapchat's mobile app for iOS was initially built using Objective-C for iOS (and later transitioned to Swift).

- . For Android, the Snapchat app was

developed using Java and later adopted Kotlin.

Databases and storage:

- . Snapchat uses such frameworks as NoSQL and MongoDB.

Frameworks and libraries:

- . Snapchat uses various frameworks and libraries including Cocoa Touch, Bootstrap, Angular JS, JQuery, and React.

Cloud services:

- . Snapchat utilizes cloud services such as Amazon Web Services (AWS) or Google Cloud Platform (GCP).

- . Conclusion

In conclusion, the success of Threads and other top social media apps highlights the significance of robust and efficient technologies in app development. Java, as seen in the case of many apps, emerges as a tempting choice due to its versatility and cross-platform capabilities.

Given its role in powering these highly successful apps, it becomes evident that learning Java remains a compelling decision for developers seeking to create feature-rich and scalable applications that can revolutionize the world.



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to listen the article on

https://youtu.be/XHAD9sf2_bI



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Share AI and Human



Digital life is augmenting human capacities and disrupting eons-old human activities. Code-driven systems have spread to more than half of the world's inhabitants in ambient information and connectivity, offering previously unimagined opportunities and unprecedented threats. As emerging algorithm-driven artificial intelligence (AI) continues to spread, will people be better off than they are today. Some 979 technology pioneers, innovators, developers, business and policy leaders, researchers and activists answered this question in a canvassing of experts conducted in the summer of 2018. The experts predicted networked artificial intelligence will amplify human effectiveness but also threaten human autonomy, agency and capabilities. They spoke of the wide-ranging possibilities; that computers might match or even exceed human

intelligence and capabilities on tasks such as complex decision-making, reasoning and learning, sophisticated analytics and pattern recognition, visual acuity, speech recognition and language translation. They said "smart" systems in communities, in vehicles, in buildings and utilities, on farms and in business processes will save time, money and lives and offer opportunities for individuals to enjoy a more-customized future.

Many focused their optimistic remarks on health care and the many possible applications of AI in diagnosing and treating patients or helping senior citizens live fuller and healthier lives. They were also enthusiastic about AI's role in contributing to broad public-health programs built around massive amounts of data that may be captured in the coming years about everything from personal genomes to nutrition. Additionally, a number of these experts predicted that AI would abet long-anticipated changes in formal and informal education systems. Yet, most experts, regardless of whether they are optimistic or not, expressed concerns about the long-term impact of these new tools on the essential elements of

being human. All respondents in this non-scientific canvassing were asked to elaborate on why they felt AI would leave people better off or not. Many shared deep worries, and many also suggested pathways toward solutions. The main themes they sounded about threats and remedies are outlined in the accompanying table.

Artificial intelligence is becoming good at many "human" jobs—diagnosing disease, translating languages, providing customer service—and it's improving fast. This is raising reasonable fears that AI will ultimately replace human workers throughout the economy. But that's not the inevitable, or even most likely, outcome. Through such collaborative intelligence, humans and AI actively enhance each other's complementary strengths: the leadership, teamwork, creativity, and social skills of the former, and the speed, scalability, and quantitative capabilities of the latter.

AI and the future of humans: Experts express concerns and suggest solutions

CONCERNS

Human agency:

Individuals are experiencing a loss of control over their lives

Decision-making on key aspects of digital life is automatically ceded to

code-driven, "black box" tools. People lack input and do not learn the context about how the tools work. They sacrifice independence, privacy and power over choice; they have no control over these processes. This effect will deepen as automated systems become more prevalent and complex.

Data abuse:

Data use and surveillance in complex systems is designed for profit or for exercising power

Most AI tools are and will be in the hands of companies striving for profits or governments striving for power. Values and ethics are often not baked into the digital systems making people's decisions for them. These systems are globally networked and not easy to regulate or rein in.

Job loss:

The AI takeover of jobs will widen economic divides, leading to social upheaval

The efficiencies and other economic advantages of code-based machine intelligence will continue to disrupt all aspects of human work. While some expect new jobs will emerge, others worry about massive job losses, widening economic divides and social upheavals, including populist

uprisings.

Dependence lock-in:

Reduction of individuals' cognitive, social and survival skills

Many see AI as augmenting human capacities but some predict the opposite - that people's deepening dependence on machine-driven networks will erode their abilities to think for themselves, take action independent of automated systems and interact effectively with others.

Mayhem:

Autonomous weapons, cybercrime and weaponized information

Some predict further erosion of traditional sociopolitical structures and the possibility of great loss of lives due to accelerated growth of autonomous military applications and the use of weaponized information, lies and propaganda to dangerously destabilize human groups. Some also fear cybercriminals' reach into economic systems.

SUGGESTED

Global good is No. 1:

Improve human collaboration across borders and

stakeholder groups

Digital cooperation to serve humanity's best interests is the top priority. Ways must be found for people around the world to come to common understandings and agreements - to join forces to facilitate the innovation of widely accepted approaches aimed at tackling wicked problems and maintaining control over complex human-digital networks.

Values-based system:

Develop policies to assure AI will be directed at 'humanness' and common good Adopt a 'moonshot mentality' to build inclusive, decentralized intelligent digital networks 'imbued with empathy' that help humans aggressively ensure that technology meets social and ethical responsibilities. Some new level of regulatory and certification process will be necessary.

Prioritize people:

Alter economic and political systems to better help humans 'race with the robots' Reorganize economic and political systems toward the goal of expanding humans' capacities and capabilities in order to heighten human/AI collaboration and staunch trends that would compromise human relevance in the face of programmed intelligence.



KANNAD SECTION



SECTION CO-ORDINATORS





Shreya Ghode

ಏನಾಗಲಿ ಮುಂದೆ ಸಾಗು ನೀ !!!

ನನ್ನನು ಓದುತ್ತಿರುವ ಎಲ್ಲರಿಗೂ ನನ್ನ
ವತಿಯಿಂದ ನಮಸ್ಕಾರಗಳು ಹಾಗೂ
ನಿಮ್ಮ ಅಮೂಲ್ಯವಾದ ಸಮಯ ತೆಗೆದು
ಓದುತ್ತಿರುವುದಕ್ಕೆ ಧನ್ಯವಾದಗಳು.
ನಮ್ಮ ಪ್ರತಿಯೊಬ್ಬರ ಜೀವನದಲ್ಲಿಯೂ
ಕೂಡಾ ಹಲವಾರು ಸಮಸ್ಯೆಗಳು
ತೊಂದರೆಗಳು, ತಾಪತ್ರಗಳು ಇರುವುದು
ಸಹಜ ಅದರೆ ಅದೆಲ್ಲವನ್ನೂ ಮೀರಿ ನಾವು
ನಮ್ಮ ಗುರಿಯ ಕಡೆಗೆ ನಡೆಯುವುದು
ಇದುವೇ ನಮ್ಮ ಕಾಯಕ್ , ಸಮಸ್ಯೆಗಳಿಗೆ
ಹೆದರಿ ಕೆಲವಬ್ಬರೂ ತಮ್ಮ ಜೀವನವನ್ನೇ
ಮುಗಿಸುವ ಕೆಟ್ಟ ಆಲೋಚನೆಗೆ
ಒಳಗಾಗುತ್ತಾರೆ. ಅದೆಲ್ಲ ತಪ್ಪು ಅಂತ ಅವರಿಗೆ
ತಿಳಿಯುವಷ್ಟರಲ್ಲಿ ಕಾಲ ಮೀರಿ ಹೋಗಿರುತ್ತದೆ .
ಹೀಗೆಯೇ ಒತ್ತಡಕ್ಕೆ ಒಳಗಾಗಿ ಸಮಸ್ಯೆಗಳಿಗೆ
ಹೆದರಿ ಹಲವಾರು ಮುಗ್ಧ ಜೀವಗಳು ತಮ್ಮ
ಜೀವನದ ಪ್ರವಾಸವನ್ನು ಮುಗಿಸುತ್ತಿದ್ದಾರೆ.
ಅದಕ್ಕೂ ಸಕರವಾಗಿ ನಾನು ಹೇಳುವುದು ಇಷ್ಟೇ
ಈ ಮಾನವ ಜನಮ್ಮವನ್ನು ಪಡೆಯುವುದಕ್ಕೆ
ತುಂಬಾ ಪುಣ್ಯ ಮಾಡಿರಬೇಕಾಗಿರುತ್ತದೆ .
ಪ್ರತಿಯೊಂದು ಜೀವವು ನಮ್ಮ ಅಂತೆ ಜೀವನ
ಜೀವಿಸಬೇಕೆಂದು ಹಂಬಲಿಸುತ್ತಿರುತ್ತದೆ .
ಕಷ್ಟಗಳು ಯಾರಿಗಿಲ್ಲಾ ಹೇಳಿ ಜಗತ್ತಿನಲ್ಲಿ
ಗಿಡ , ಮರ , ಪ್ರಾಣಿ , ಪಕ್ಷಿಗಳು ಕೂಡಾ

ಕಷ್ಟವುಂಟು ಆದರೆ ದೇವರು ನಮಗೆ
ಕಷ್ಟಗಳಿಂದ ಹೊರಬರಲು ವಿದ್ಯೆ, ಬುದ್ಧಿ,
ಶಕ್ತಿ, ಯುಕ್ತಿ ಹಾಗೂ ಯಾವ ಪ್ರಾಣಿಗೂ
ಕೊಡದ ಮುಖ್ಯವಾದಂತ ಮಾತನಾಡುವ
ಸ್ನೇಹಿತರನ್ನು ಕೊಡಿದ್ದಾನೆ. ಅದಕ್ಕಾಗಿ ನೀವು
ಕನಸುಗಳನ್ನೂ ಕಾಣಿ ಅದನ್ನೂ ಸಹಕಾರ
ಮಾಡಲು ಕಷ್ಟಪಡಿ. ಶಕ್ತಿ, ಯುಕ್ತಿ ಹಾಗೂ
ಯಾವ ಪ್ರಾಣಿಗೂ ಕೊಡದ ಮುಖ್ಯವಾದಂತ
ಮಾತನಾಡುವ ಸ್ನೇಹಿತರನ್ನು ಕೊಡಿದ್ದಾನೆ.
ಅದಕ್ಕಾಗಿ ನೀವು ಕನಸುಗಳನ್ನೂ ಕಾಣಿ
ಅದನ್ನೂ ಸಹಕಾರ ಮಾಡಲು ಕಷ್ಟಪಡಿ.
ನಿಮ್ಮ ತಂದೆ ತಾಯಿಯರನ್ನು ಹೆಮ್ಮೆ
ಪಡಿಸುವಂತಹ ಅವರು ನಿಮ್ಮಿಂದ ತಲೆ
ಎತ್ತಿ ನಡೆಯುವಂತಹ ಕೆಲಸ ಮಾಡಿ ,
ಜೀವನದಲ್ಲಿ ಏನೆ ಆದರೂ ಕೂಗದೆ
ದೈರ್ಯದಿಂದ ಮುಂದೆ ಸಾಗು ನೀ
ಬಯಸಿದೆಲ್ಲಾ ಸಿಗದು ಬಾಳಲಿ ಬಯಸಿದೆಲ್ಲಾ
ಸಿಗದು ಬಾಳಲಿ.

ಕನ್ನಡ ಪದಗೋಳ

ಗಂಡಾ ಹೆಂಡತಿ ಕನ್ನಡ ಪದಗೋಳ ಅಂದ್ರೆ ರತ್ನಂಗ್ ಪ್ರಾಣ
ಬುಂಡೆನ ಎತ್ತಿ ಕುಡೆದ್ ಬುಟ್ಟಾಂದ್ರೆ ತಕ್ಕೋ ಪದಗೋಳ ಬಾಣ
ಬಗವಂತೇಂದ್ರಾ ಬೂಮಿಗಳು ನಮತಾಗ್ ಬಂದಾಂತನ್ನು
ಪರಿಗಿರಿಕ್ಷೆ ಮಾಡ್ತಾನವ್ವು ಬಕ್ತೆನ್ ಮೇಲ್ ಅವನ ಕಣ್ಣು
ಗಂಡಾ ಕೂಡಿಯಾದ ಬುಟಬುಡ್ ರತ್ನಾ ಅಂತ ಅವನೇನಾಂದ್ರೆ
ಮೂಗ್ ಮಾರ್ ಚೂರಾಗಿ ಮುರಸಕೋತಿನಿ ದೇವರ್ ಮಾತಗಡ್ ಬಂದ್ರೆ
ಗಂಡ ಬುಟ್ಟೆ ಎಂಡತನ್ ಬುಟಬುಡಾ ಅಂತಾ ಅವನೇನಾಂದ್ರೆ
ಕಳದೊಯ್ಯಂತ ಕುಣದಾಡ್ತಿನ ದೊಂಡೊಂದ್ ಕಾಟ ತೊಂದ್ರೆ
ಕನ್ನಡ ಪದಗೋಳ ಆಡಾದ್ಲೆಲ್ಲಾ ನಿಲ್ಲಿಸಿ ಬಿಡಬೇಕ್ ರತ್ನಾ
ಅಂತವನಂದ್ರೆ ದೇವ್ರಾದ್ರೆನು ಮಾಡ್ತೀನಿ ಅವನೆ ಖತ್ನಾ....
ಆಗ್ಗೆ ಮಾಡೋ ವಗೊಳೆಲ್ಲಾ ದೇವ್ರೇ ಆಗ್ಲಿ ಎಲ್ಲಾ
ಕನ್ನಡ ಸುದ್ದಿಗೇನು ಬಂದ್ರೆ ಮಾನಾ ಬಳ್ಳಾಗಿಲ್ಲಾ....
ನರಕಕ್ಕೆಳ್ಳಿ ನಾಲ್ಗೆ ಸೀಳ್ಳಿ ಬಾಯ್ ಒಲಾಸಾರದ್ರೋನೆ
ಮೂಗನಲ್ ಕನ್ನಡ ಪದವಾಡ್ತಿನಿ ನನ್ ಮನಸನ್ನ ನೀರಾಣೆ
ಗಂಡಾ ಹೋಗ್ಲಿ ಹೆಂಡ್ತಿ ಹೋಗ್ಲಿ ಎಲ್ಲಾ ಕೊಚಕೊಂಡ್ ಬಗ್ಲಿ
ಪರಪಂಚ ಇರೋತನ್ನಾ ಮುಂದೆ ಕನ್ನಡ್ ಪದಗೋಳ ನುಗ್ಲಿ.



Shivananda Reure

ಮುತ್ತಿನಂತ ಮಾತು

ಮನಸ್ಸು ಮಾಡಿದರೆ ಜಗತ್ತಿನಲ್ಲಿ ಯಾರನ್ನ ಬೇಕಾದರು ಸೋಲಿಸಬಹುದು

ಆದ್ರೆ

ಸೋಲಿನಲ್ಲಿಯೂ ನಗುವವರನ್ನು ಮಾತ್ರ ಸೋಲಿಸಲು ಆಗಲ್ಲ..... ಅದಕ್ಕೆ ಯಾವಾಗಲೂ ನಗ್ನಾ ಇರಿ

ಹಾಲಿನ ಜೊತೆ ಸೇರಿಸಿದ ನೀರು ಕೂಡಾ ಹಾಲಾಗುತ್ತದೆ ಹಾಗೆ.. ಗುಣವಂತನ ಆಶ್ರಯ ಪಡೆದು ಗುಣಹೀನನು ಗುಣವಂತ ನಾಗುತ್ತಾನೆ.

ಜೀವ ಹೋಗುವ ಈ ದೇಹ ನಾಶವಾಗುವ ಈ ಸಂಪತ್ತು ಮಾಸಿ ಹೋಗುವ ಈ ಸೌಂದರ್ಯ ಬದುಕಿನ ಈ ಮೂರು ದಿನಗಳ ನಡುವೆ ಸೋಸಿ ನೋಡಿದಾಗ ಉಳಿಯುವದೊಂದೆ ಸ್ನೇಹ !

ದೂರ ಇದ್ದೆ ಪ್ರೀತಿ ಜಾಸ್ತಿ ಹತ್ತಾ ಇದ್ದರೆ ಕೋಪ ಜಾಸ್ತಿ ಕಣ್ಣೀರು ಇದ್ದೆ ಕನಸುಗಳು ಜಾಸ್ತಿ ಅದಕ್ಕೆ ಹೃದಯದಲ್ಲಿ ಇರಬೇಕು. ಸ್ನೇಹ ಎಂಬ ಆಸ್ತಿ

ನಾವು ಜೀವನದಲ್ಲಿ ಎಷ್ಟೋ ಸಲ ಕೆಲವರಿಂದ ಮೋಸ ಹೊಗಿರಬಹುದು ಅವರ ಬುದ್ಧಿವಂತಿಕೆಗೆ ಅಲ್ಲ ನಾವು ಅವರ ಮೇಲೆ ಇಟ್ಟಿರುವ ನಂಬಿಕೆ

ನೂರಾರು ಯುದ್ಧ ಗೆಲ್ಲುವುದಕ್ಕಿಂತ ನಿನ್ನನ್ನು ನೀನು ಮೊದಲು ಗೆಲ್ಲು ಯಾರಿಂದಲೂ ಅದನ್ನು ಕಸಿದುಕೊಳ್ಳ ಲಾಗದು

ಹುಡುಗಿ ಕೊಡುವ ಮತ್ತು ಒಂದು ನಿಮಿಷ ಅಮ್ಮ ಕೊಡುವ ಕೈ ತುತ್ತು ನೂರು ವರ್ಷ

ಮನಸೆಂಬ ಮಂದಿರದಲ್ಲಿ

ಕನಸೆಂಬ ಸಾಗರದಲ್ಲಿ ನೆನಪೆಂಬ ಅಲೆಗಳಲ್ಲಿ

ಚಿರಕಾಲ ಮಿನುಗುತ್ತಿರಲಿ ನಮ್ಮ ಈ ಅಮರ ಸ್ನೇಹ

ತಾನು ಬೆಳೆಯಬೇಕೆನ್ನುವ ಕನಸಿರಬೇಕು. ಇನ್ನೊಬ್ಬರನ್ನು ಬೆಳೆಸಬೇಕೆನ್ನುವ ಮನಸಿರಬೇಕು.

ದ್ವೇಷವನ್ನು ದ್ವೇಷದಿಂದ ಅಳಿಸಲು ಸಾಧ್ಯವಿಲ್ಲ ಪ್ರೀತಿ ಮಾತ್ರ ದ್ವೇಷವನ್ನು ಅಳಿಸಲು ಸಾಧ್ಯ. ಪ್ರೀತಿ ಯಾರ ಮನಸ್ಸನ್ನು ಬೇಕಾದರೂ ಗೆಲ್ಲಬಹುದು

ಸಂತೋಷ ನಮ್ಮನ್ನು ಮಧುರವಾಗಿರಿಸುತ್ತದೆ ಪರೀಕ್ಷೆಗಳು ನಮ್ಮನ್ನು ಪ್ರಬಲವನ್ನಾಗಿಸುತ್ತದೆ ವೇದಗಳು ನಮ್ಮನ್ನು ಮಾನವರನ್ನಾಗಿಸುತ್ತವೆ ವೈಪಲ್ಯಗಳು ನಮ್ಮನ್ನು ವಿನಯರನ್ನಾಗಿಸುತ್ತವೆ ನಂಬಿಕೆಗಳು ನಮ್ಮನ್ನು ಮುನ್ನಡೆಸುತ್ತಿರುತ್ತಿವೆ

ಒಂದು ಮೋಡ ಮಳೆ ಸುರಿಸುತ್ತಾ ಹೇಳಿತು... ಕಹಿಯನ್ನು ಸ್ವೀಕರಿಸಿ ಸಿಹಿಯನ್ನು ಹಂಚಿಂದು ಒಂದು ಹೂವು ಅರಳುತ್ತಾ ಹೇಳಿತು:

ಜೀವನದಲ್ಲಿ ಒಂದು ದಿನವಾದರೂ ಗೌರವವಾಗಿ ಜೀವಿಸೆಂದು ಚಂದ್ರ ಬೆಳಗುತ್ತಾ ಹೇಳಿದ....

ನನ್ನ ಹಾಗೇ ಇತರರಿಗೆ ಬೆಳಕು ನೀಡೆಂದು

ಒಂದು ಎಲೆ ಉದುರುತ್ತಾ ಹೇಳಿತು..

ಈ ಜೀವನ ಶಾಶ್ವತವಲ್ಲ ಎಂದು

ಮೇಣದ ಬತ್ತಿ ಕರಗುತ್ತಾ ಹೇಳಿತು..... ಕೊನೆಯವರೆಗೂ ಇತರರಿಗೆ ಸಹಾಯ ಮಾಡೆಂದು

ಒಂದು ಮಿಂಚು ಮಿಂಚುತ್ತಾ ಹೇಳಿತು.... ಇರುವುದು ಒಂದು ಕ್ಷಣವಾದರೂ ಉಜ್ವಲವಾಗಿರಬೇಕೆಂದು. ಒಂದು ಮರ ತಂಪಾಗಿ ಹೇಳಿತು...

ನನ್ನ ಹಾಗೇ ಕಷ್ಟದಲ್ಲಿದ್ದರೂ ಇತರರಿಗೆ ಸುಖವನ್ನು ನೀಡೆಂದು

ಮಾತೆ ಮತ್ತು

ಕೋಪದಿಂದ ಮಾತನಾಡಿದರೆ 'ಗುಣ' ವನ್ನು ಕಳೆದುಕೊಳ್ಳುತ್ತೇವೆ.

ಹೆಚ್ಚಾಗಿ ಮಾತನಾಡಿದರೆ 'ಶಾಂತಿ' ಯನ್ನು ಕಳೆದುಕೊಳ್ಳುತ್ತೇವೆ.

ಅನಗತ್ಯವಾಗಿ ಮಾತನಾಡಿದರೆ 'ಕೆಲಸ' ವನ್ನು ಕಳೆದುಕೊಳ್ಳುತ್ತೇವೆ.

ಅಹಂಕಾರದಿಂದ ಮಾತನಾಡಿದರೆ 'ಪ್ರೀತಿ' ಯನ್ನು ಕಳೆದುಕೊಳ್ಳುತ್ತೇವೆ.

ಸುಳ್ಳು ಸುಳ್ಳು ಮಾತನಾಡಿದರೆ ಹೆಸರು ಕಳೆದುಕೊಳ್ಳುತ್ತೇವೆ.

ವೇಗದಿಂದ ಮಾತನಾಡಿದರೆ 'ಅರ್ಥ'ವನ್ನು ಕಳೆದುಕೊಳ್ಳುತ್ತೇವೆ.

ಪ್ರೀತಿಯಿಂದ ಮಾತನಾಡಿದರೆ 'ಎಲ್ಲವನ್ನು' ಗಳಿಸಿಕೊಳ್ಳುತ್ತೇವೆ

■ ■ ■



Shivananda Reure

☀ ಪತಿದೇವರಿಗೊಂದು ಕವನ ☀

ರಾಣಿ ತರಹ ಸುಖದ ಸುಪ್ಪತ್ತಿಗೆಯಲ್ಲಿ ನೋಡಿಕೊಳದಿದ್ದರು ಪರವಾಗಿಲ್ಲ !
ರಾತ್ರಿ ಚಂದದ ಸಿಹಿ ಸ್ವಪ್ನದ ನಿದ್ದೆಗೆ ತಲೆ ಹಚ್ಚಿ ಮಲಗಲೂ ರಟ್ಟೆ ಕೊಟ್ಟರೆ
ಸಾಕು ...

ಹೊತ್ತರುದಕಿಂತ ಮುಂಚೆ ಗಂಡ ಮನೆ ಬಿಟ್ಟೋದ್ದು ಪರವಾಗಿಲ್ಲ !
ರಾತ್ರಿ ಮಾಡಿರೋ ಬಿಸಿಬಿಸಿ ಅಡುಗೆ ತಣ್ಣಗಾಗೋದಕಿಂತ ಮನೆಗೆ ಬಂದ್ರೆ ಸಾಕು....

ಮೈಸೂರ ಅರಮನೆಯಂತಹ ಮನೆಲಿ ಸಾಕದಿದ್ದು ಪರವಾಗಿಲ್ಲ !
ಮನಸ್ಸು ಮಿಡಿದಾಗೋಮ್ಮೆ, ಮೈಸೂರು ಮಲ್ಲಿಗೆ ತಂದು ಮುಡಿಸಿದರೆ ಸಾಕು ...

ಚಿನ್ನದ ವಡವೆಗಳನ್ನ ಕೊಡಸದಿದ್ದು ಪರವಾಗಿಲ್ಲ ! ಚಿಂತೆ ಮಾಡದೆ
ಚಿರಕಾಲ ಇರುವಷ್ಟು ದಿನ ಪ್ರೀತಿಯಿಂದ ಚಿನ್ನಾ ಅಂತ ಕರೆದರೆ ಸಾಕು

ಹಸೆಮಣೆಯಿರುವಾಗ ಇದ್ದ ಆ ನವ ಚೈತನ್ಯ ಇಲ್ಲದಿದರೂ ಪರವಾಗಿಲ್ಲ !
ಹೃದಯ ಹಪತಪಿಸಿದಾಗಲೆಲ್ಲಾ ಹಣೆಗೊಂದು ಬೊಟ್ಟಿಟ್ಟು ಮುತ್ತಿಟ್ಟರೆ ಸಾಕು ..

ಪ್ರಣಯ ಜೋಡಿಯಂತೆ ಊರುರೂ ಸುತ್ತಿಸದಿದ್ದರೂ ಪರವಾಗಿಲ್ಲ !
ತಾಯಿ ನೆನಪಾದಾಗಲೆಲ್ಲಾ ತವರೂ ಮನೆಗೆ ಕಳಿಸಿದರೆ ಸಾಕು

ಹುಸಿ ಜಗಳದಲ್ಲಿ ಮುನಿಸಿಕೊಂಡು ಮಾತುಬಿಟ್ಟರೂ ಪರವಾಗಿಲ್ಲ !
ಮಗುವಿನ ತರಹ ಮನಸ್ಸು ಕರಗಿ ಊಟ ಮಾಡುವ ಮುಂಚೆ
ತುಸು ನಕ್ಕು ಒಂದು ತುತ್ತು ತಿನ್ನಿಸಿದರೆ ಸಾಕು

ಹಬ್ಬಿಕೊಂಡು ರೇಷ್ಮೆ ಸೀರೆ ಕೊಡಿಸದಿದ್ದರೂ ಪರವಾಗಿಲ್ಲ ! ಅವಸರವಸರವಾಗಿ
ಇದ್ದ ಸೀರೆ ಉಡುವಾಗ ನಾಜೂಕಾಗಿ ಸೀರೆಯ ನೆರಿಗೆ ಗುಂಡುಪಿನ್ನೊಮ್ಮೆ ಹಾಕಿದರೆ ಸಾಕು!

ಮಳೆಯಲ್ಲಿ ನೆನೆಯುತ್ತಿರುವಾಗ ಭತ್ತಿ ಹಿಡಿಯದಿದ್ದರೂ ಪರವಾಗಿಲ್ಲ !
ನಿನ್ನನೇ ನಂಬಿ ಬಂದಿರುವ ನನಗೆ ಕೊನೆಯ ಸಾವಿನ ತರಹ ನೆರಳಾಗಿದ್ದರೆ ಸಾಕು

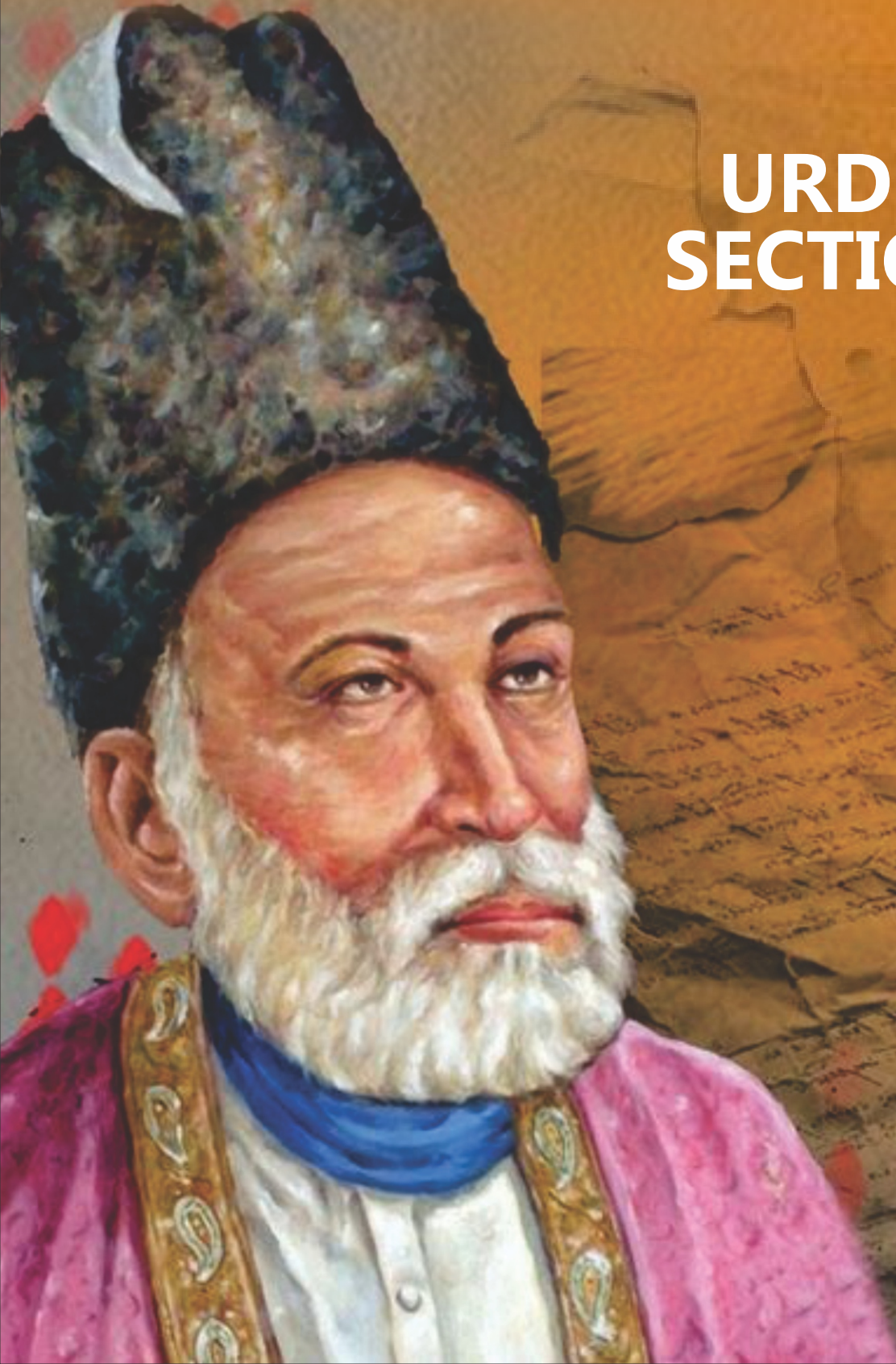
ಸಿರಿತನದ ನೆಪದಲ್ಲಿ ಸಿಂಗಾರ ಮಾಡುವಾಗ ಸತ್ಯ ಹೆಳದಿದ್ದರೂ ಪರವಾಗಿಲ್ಲ
ನಮ್ಮಿಬ್ಬರ ಸುಂದರ ದಾಂಪತ್ಯಕ್ಕೆ ಸಾಕ್ಷಿಯಾಗೋ ಸೀಮಂತದಲ್ಲಿ
ಪ್ರೀತಿಯಿಂದ ಕೆನ್ನೆಗೆ ಅರಶಿಣ ಹಚ್ಚಿದರೆ ಸಾಕು

ನನ್ನ ಹೆಸರನ್ನ ಯೆಲ್ಲರ ಮುಂದೆ ಕೂಗಲು ನಾಚಿಕೊಂಡರು ಪರವಾಗಿಲ್ಲ !
ನಿನ್ನ ಅಲಿಂಗನದಲ್ಲಿ ನಿನ್ನಸರಿ ನನಗರಿಸಿ ಕರುಳುಬಳ್ಳಿ ಕತ್ತರಿಸಿ ,
ಹುಟ್ಟುವ ಮಗುವಿಗೆ ಚಂದದ ಹೆಸರಿಟ್ಟರೆ ಸಾಕು....

ಕಟ್ಟಿಕೊಂಡ ಕನಸುಗಳನ್ನು ನನಸು ಮಾಡದಿದ್ದರೂ ಪರವಾಗಿಲ್ಲ !
ಕನ್ಯಾದಾನ ಮಾಡುವಾಗ ತಂದೆ ತಾಯಿಗೆ ಕೊಟ್ಟ ಭಾಷೆಯಂತೆ
ಕಣ್ಣು ರವ್ವೆಯಂತೆ , ಕೊನವರೆಗೂ ನೋಡಿಕೊಂಡರೆ ಸಾಕು

ನಮ್ಮಿಬ್ಬರ ಯಾವ ಆಸೆ ಆಕಾಂಕ್ಷೆಗಳ ಈಡೇರದಿದ್ದರೂ ಪರವಾಗಿಲ್ಲ
ಬ್ರಹ್ಮ ಬರೆದ ಬಾಂದವ್ಯದ ಈ ಬಂಧನದಲ್ಲಿ
ಮುಪ್ಪಿನವರೆಗೂ ಜೊತೆಯಾಗಿ ಮುತ್ಯದೆ ಸಾವು ಕೊಟ್ಟರೆ ಸಾಕು.

URDU SECTION

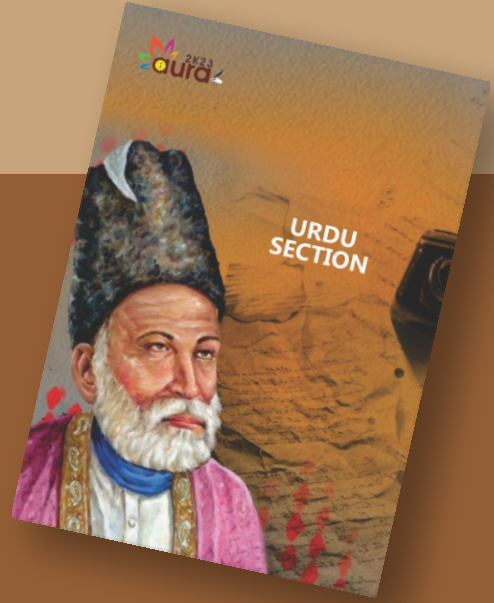


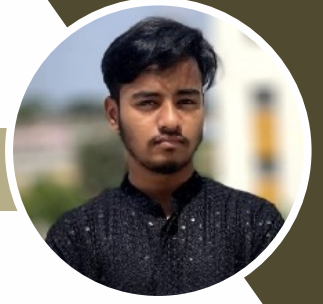
SECTION CO-ORDINATORS

We are really proud and exuberant to acclaim that we are ready with all new hopes and hues to bring out the English Section, which is going to surely unfold the unraveled world before the readers. The section is a launch pad for the student's creative urges to blossom naturally. As the saying goes, mind like parachute works best when opened. This humble initiative is to set the budding minds free allowing them to roam free in the realm of imagination and experience to create a world of beauty in words.

The enthusiastic write ups of our young writers are indubitably sufficient to hold the interest and admiration of the readers. This is indeed a pious attempt to make our budding talents give shape to their creativity and learn the art of being aware because we believe that our success depends upon our power to

perceive, the power to observe and the power to explore. We are sure that the positive attitude, hard work, sustained efforts and innovative ideas exhibited by our young buddies will surely stir the mind of the readers and take them to the surreal world of unalloyed joy and pleasure. We have put in relentless efforts to bring excellence to this treasure trove.





اک ملاقات میرا فضل میر کے ساتھ

Aakif Mudel
SE CSE



قارئین آج اس آرکیڈ آراء میگزین کی جانب سے لئے جانے والے انٹرویو (ملاقات) میں ہم ایک ایسی شخصیت سے ملاقات کرنے جا رہے ہیں جو خود محکمہ آب پاشی حکومت مہاراشٹر میں 38 سال سروس مکمل کر کے 2018 میں وظیفہ یاب ہوئے لیکن انھوں نے اردو زبان و ادب کے شعبہ میں بہت قابل ذکر و قابل تعریف ایسا کام انجام دیا ہے۔ ان کی شاعری کے چرچے بھی زبان زد خاص و عام ہیں۔

تو چلیے ان سے روبرو ہوتے ہیں اور ان کے لمحات زندگی پر روشنی ڈالنے کی کوشش کرتے ہیں۔

سوال: سب سے پہلے تو ہم یہ معلوم کرنا چاہتے ہیں کہ آپ نے شاعری کی ابتدا کب کی....؟ اور آپ نے سب سے پہلا شعر کب لکھا اور وہ کس کو سنایا؟

میں ایک ایسے خانوادہ میں پیدا ہوا ہوں جہاں اردو شاعری کا ماحول رہا ہے۔ میرے والد قدیر شولا پوری، خود شہر شولا پور کے عظیم المرتبت شاعر ہو گزرے ہیں۔

1984 میں بھائی ناصر جمال کا سعودی عرب میں کار حادثے میں انتقال ہوا، وہ ٹی. وی. انجینئر تھے اور وہ جنت البقیع میں دفن ہیں، بھائی کی حادثاتی موت بس یہی سبب تھا کہ شاعری کی ابتدا ہوئی۔ حادثے ہوتے ہی میں روحانیت کو جھنجھوڑنے کے لیے،

انھیں کی اک معروف غزل

چلیے تو آبتار ہیں لمحات زندگی
رکھیں تو کوہسار ہیں لمحات زندگی

کیا جانے کس مقام پہ ٹھہرے یہ کارواں
صدیوں سے بے قرار ہیں لمحات زندگی

زندہ رہے وہ لوگ جو زندہ ضمیر تھے
روشن سرمزار ہیں لمحات زندگی

جس دل میں موجزن ہو غم کائنات میر
اس دل پہ خود نثار ہیں لمحات زندگی

معروف شاعر محترم عبدالاحد ساز ممبئی ان سے مسلسل 20 سال اپنے کلام پر آپ سے اصلاح لیتا رہا۔ اس کے علاوہ جب بھی کسی معتبر شاعر سے ملاقات ہوئی ہے ان سے کچھ نہ کچھ سیکھا ضرور ہے۔ احباب میں مشورہ و سخن بھی کار آمد ثابت ہوتا ہے۔

ہم نے اس سے عبرت حاصل کی۔ ہم کو معلوم ہوا کہ زندگی کی حقیقت کیا ہے۔ آج سے 50 سال پہلے جو لوگ تھے وہ آج نہیں ہیں اور آج جو لوگ ہیں وہ 50 سال بعد نہیں رہیں گے لیکن زندگی کا کارواں ہمیشہ چلتا رہے گا۔ ہمیں زندگی میں ایسا کچھ کر گزارنا چاہیے جس کے نقوش باقی رہیں۔ بقول علامہ اقبال

شعر

جو تھا نہیں ہے جو ہے نہ ہو گا یہی ہے اک حرفِ مہربانہ

قریب تر ہے نمود جس کی اسی کا مشتاق ہے زمانہ

اک شعر

گزر کچھ ایسے کہ ہر گام زندگی جاگے

ہر ایک نقش میں نقشِ دوام پیدا کر

(میر افضل)

سوال: اردو کے فروغ کے لئے آپ کی کیا کوششیں رہی ہیں؟

میں ادارہ اصلاحی و فلاحی تنظیم کے زیر اہتمام تین روزہ کل ہند اردو میلہ 1999 شولا پور میں منعقد کیا گیا تھا جس میں تقریباً ہندوستان بھر سے بڑے بڑے شعراء و ادباء شولا پور تشریف لائے تھے جس میں کافی بڑھ چڑھ کر میں نے حصہ لیا تھا۔ ادارہ کاروانِ ادب شولا پور کے زیر اہتمام مشاعروں، ادبی جلسوں کے انعقاد وغیرہ میں کافی پیش پیش رہا۔

سوال: آپ کے کتنے مجموعہ کلام اب تک شائع ہوئے ہیں اور آپ ان میں سے کسی ایک پر روشنی ڈالیں

۔ مہکے میر اہندوستان، فیضِ نظر، انوارِ آگہی، چشمِ نم (اول، دوم) دامن ہے تار تار، ٹوٹے خواب، نعتیہ و مستقبلی کلام میں انوارِ نظر، انوارِ حق

نثری کتابوں میں، اقبال کا پیامِ محبت، مطالعات اور یونین ایجوکیشن سوسائٹی شولا پور کی 60 سالہ تاریخ کتابچہ۔ اسکے علاوہ کچھ مذہبی کتابچے۔

سوال: آپ کے پسندیدہ شاعر کون ہیں؟

میر، غالب، اقبال، فیض احمد فیض، ساحر لدھیانوی ہیں۔ آج کے دور میں پسندیدہ شاعر عبدالاحد ساز، بشر نواز اور بشیر پرواز ہیں۔

قطعہ

جب بھی جذبات کو صدموں کی سزا ملتی ہے

میری غزلوں کو مہکنے کے کی ادالتی ہے

جن کی محنت سے لہکتے ہیں امیروں کے چمن

ان غریبوں کا کہاں تازہ ہوا ملتی ہے

(میر افضل)

سوال: شاعری میں آپ کے استاد کون ہیں، آپ نے شاعری کس سے سیکھی؟

سب سے پہلے استاد تو میرے والد حضرت قدیر شولا پوری اور پھر بڑے بھائی بشیر پرواز۔ 1999 اردو میلے کے انعقاد کے بعد میں شاعری کے تعلق سے سنجیدہ ہو گیا اور

سوال: عصر حاضر میں اردو شاعری کس مقام پر ہے؟

سر حادثوں کے درپہ کبھی غم نہ کیجئے
آئینہ حیات بھی ٹوٹے گا ایک دن
خوابوں کے ٹوٹ جانے کا ماتم نہ کیجئے

سوال: آپ کا کونسا شعر واضح طور پر آپکی فکری شعور کی عکاسی کرتا ہے؟

شعر

ہو نالید دل ایسا ہر قطرہ بے طوفان
ٹھہرے ہوئے پانی کی موجوں کا بھرنا کی
شعر
ہو اہیں دوستو کتنی ہی تند و تیز ہوں لیکن
دلیل زندگی یہ ہے وہاں بھی اک دیا رکھنا

سوال: آپ کے مجموعے کلام میں تصوف کا رنگ نظر آتا ہے کیا آپ نے تصوف کو اپنی شاعری کا موضوع بنایا ہے؟

جہاں تک شاعری کا تعلق ہے اس کے موضوعات کائنات، انسان اور خدا ہے ہیں اور کائنات میں انسان کا مقام اور اسکی ذمہ داری دو اہم موضوعات رہے ہیں جس پر ہر شاعر یا ادیب خامہ فرسائی کرتا ہی ہے۔ سیدھے راستے سے اگر انسان کا سلوک ہٹ جاتا ہے تو آوارگی کی ابتدا ہو جاتی ہے۔ ہمیشہ شعراء کرام صراطِ مستقیم ہی کی طرف رہنمائی کرتے رہے ہیں تو غور سے آپ دیکھیں گے تو محسوس ہو گا کہ ہر شاعر صوفی ہی ہوتا ہے کہ اس کی سوچ اگر پاک ہے تو وہ صوفی ہی ہے اس سے کوئی الگ ایسا کردار نہیں نہیں ہوتا ہے۔ شاعر کی شاعری میں چھپی اچھائیاں خود اس بات کی دلیل ہیں کہ وہ صوفیانہ شاعری ہی ہے جو انسان کو اللہ کی ذات سے اور کائنات میں اس کے مقام سے آگاہ کرتی ہے در نہ اور اس کے بغیر انسان میں نہاں جو قدریں ہیں اسکی نشوونما نہیں ہو سکتی اس لئے متصوفانہ شاعری کا جزو ہماری اردو شاعری کا اہم ایسا حصہ رہا ہے۔

سب سے زیادہ پسند کی جانے والی شاعری دنیا میں اگر ہے تو وہ اردو شاعری ہے اور ہر دور میں عوامی شاعری اور ادبی شاعری میں فرق رہا ہے تو عوامی شاعری میں ادب ہوتا ہے مگر ادبی شاعری کے جو تقاضے ہیں وہ فکری اور تحقیقی ہوتے ہیں اس لئے وہ عام لوگوں کا موضوع نہیں بن سکتی، مگر فکری و شعوری طور پر کی جانے والی شاعری اور اصل انسانی درد کے حقیقی پہلو کو اجاگر کرنے والی ایسی شاعری ہوتی ہے اس لئے اس کا مقام بلند ہی ہوتا ہے۔

سوال: آپ کی شاعری کا انداز کس طرح کے احساسات یہ حالات کو نمایاں کرتا ہے؟

انسان ہی شاعری کا بھی موضوع رہا ہے اور مذہب کا بھی موضوع رہا ہے۔ ہم لوگ چوں کہ ادب سے وابستہ ہیں اس لئے ہماری شاعری کا موضوع بھی انسان ہی رہا ہے اور انسانیت کے فروغ کے لئے، اس کی تقویت کے لئے، اس کی سر بلندی کے لئے جو قدریں ہوتی ہیں وہ مذہب بھی ہو سکتے ہیں اخلاقی بھی ہو سکتی ہیں ادبی بھی ہو سکتی ہیں کہ انسان میں مضمر جو قدریں ہیں اس کے اندر جو اچھائیاں ہیں انھیں فروغ دینا ہی شاعری ہے جو عام انسانی زندگی کو بہتر سے بہتر بنانے کی ایک شعوری کوشش ہے۔ اچھی شاعری کا موضوع کل بھی روحانی تھا آج بھی روحانی ہے اور کل بھی روحانی ہی رہے گا۔

سوال: کیا کوئی مخصوص موقع یا واقعہ جو آپ کے اشعار میں اہمیت رکھتا ہے؟

واقعی کے اعتبار سے تو میں بتا چکا ہوں کہ میرے بھائی کا عین جوانی میں انتقال جس کے بعد میں نے شاعری شروع کی اور زندگی کو پابندیوں میں جینا مناسب سمجھا۔ یہ اللہ کی بہت بڑی عطا ہے کہ دیانتداری سے زندگی گزارتے رہے اور بہت سی برائیوں سے بچتے ہوئے شاعری کے دامن کو سیراب کرتے رہے ورنہ حادثات اور واقعات کے بغیر تو زندگی ہی نہیں ہے۔

قطعہ

مشکل ہے راہ شوق اگر غم نہ کیجئے

ہے وہیں اُسے اک درد مند دل کی بھی ضرورت ہوتی ہی ہے، جس کا تعلق زبان کے تحفظ سے یقیناً ہے۔

سوال: شولا پور کی شاعری کی طرف دیکھیں تو یہاں کی شاعری عام لوگوں کی سمجھ میں نہیں آتی۔ کیا یہی وجہ ہے کہ لوگ شاعری اور اُردو سے دور ہوتے جا رہے ہیں؟ میرا مطلب یہ ہے کہ شاعری میں عام فہم لفظوں کا استعمال نہ کرنے سے وہ جلد سمجھ میں نہیں آتی ہے۔ جیسا کہ ہم ٹی. وی. اور موبائل میں مختلف شہروں کے مشاعرے دیکھتے اور سنتے ہیں تو یہی کچھ محسوس ہوتا ہے؟

در اصل شاعری عوامی بھی ہوتی ہے جو عام سطح پر کہی اور سنی جاتی ہے اُس کو عوامی شاعری کہتے ہیں اس لئے کہ عوام اُس کو سمجھ پاتی ہے کیونکہ اُس کے لہجے عوامی ہوتے ہیں اور عام فہم بھی ہوتے ہیں۔

سوال: آپ ذاتی طور پر کونسی شاعری پسند کرتے ہیں عوامی شاعری یا فکری؟

میں فکری شاعری کو عوامی سطح پر برتنے کی کوشش کرنا زیادہ پسند کرتا ہوں کیونکہ شاعری تو ہے مگر وہ عوام سے ربط قائم کرتی ہے تو وہ اپنے مقصد میں کامیاب ہوتی ہے۔ ایسا میں محسوس کرتا ہوں۔

سوال: شولا پور میں ادبی شاعری کا معیار آپ کی نظر میں کیسا ہے؟

"شہر عالم کا استعارہ ہے"

ایک شہر دراصل ایک عالم ہوتا ہے تو جو بھی شاعری شہر شولا پور میں ہو رہی ہے وہ بہ یک وقت عالمی بھی ہے۔ شولا پور کا جو بھی شاعر ہے وہ شولا پور کا ہوتے ہوئے بھی بہ یک وقت عالمی بھی ہے۔۔ شہر شولا پور کے لوگ کسی بھی طرح کسی بھی بڑی شاعری سے کم شاعری نہیں کر رہے ہیں بلکہ معیاری شاعری ہی کر رہے ہیں اُس کا معیار اونچا ہی ہے۔

سوال: آپ خانوادہ قدیر شولا پوری سے تعلق رکھتے ہیں تو پھر آپ کی اور بشیر پر واز صاحب کی شاعری میں کیا فرق ہے؟

جہاں تک والدی قبلہ قدیر شولا پوری کا تعلق ہے وہ ہمارے شہر شولا پور کی اُردو ادبی تاریخ کا اہم ایسا ستون ہیں۔ شہر شولا پور میں اُردو ادبی خدمات کا تصور حضرت قدیر شولا پوری کے بغیر نامکمل ہے اور ہورہے کیونکہ ان کا جو تعلق رہا ہے وہ فکری شاعری سے تو رہا ہی ہے مگر انہوں نے پرائمری اسکولوں کے طلبہ کے لئے بھی جو سالانہ ثقافتی وغیرہ منعقد کرتے رہے تھے اُس کے لئے وہ gatherings تقاریب، سوشل خود حمد، نعت، قومی گیت، ڈرامے، مزاحیہ ڈرامے، تمثیلی مشاعرے، بچوں کے مزاحیہ مشاعرے وغیرہ لکھ کر بچوں کے ذہنوں پر انہوں نے اتنا اچھا کام کیا ہے کہ جو کچھ بھی شولا پور میں آج جو اُردو کا معیار نظر آ رہا ہے اُس میں موصوف کی دن رات کی محنت و لگن شامل ہے اور وہ فکر ہم تک منتقل ہوتی آئی ہے اسی فکری سفر کو آگے بڑھانے میں بشیر پر واز اور مجھ جیسے اور بھی بہت سے دو انوں نے مسلسل جدوجہد کی ہے۔

حضرت قادر شولا پوری قبلہ کا ایک شعر سماعت کریں

شعر

بہتی دھارا بہتی جائے، بہتی ہے تو بہنے دو

اس دھرتی پر سب کا حق ہے، سب کو زندہ رہنے دو

سوال: کیا اُردو زبان سٹ کر رہ جائے گی؟ نئی نسل کو اُردو کی طرف متوجہ کرنے کے لئے کیا کرنا چاہیے؟

اُردو کا مستقبل بہت روشن ہے۔ آج کے نئی نسل کے جو تقاضے ہیں کچھ اور ہیں کہ انہیں تہذیبی و ثقافتی قدروں کی حفاظت کرتے ہوئے جدید علوم میں بھی آگے بڑھنا ہے۔ تہذیب و ثقافت کے تحفظ میں اُردو زبان و ادب سے ربط تو رہے گا ہی اور اس کا روحانی کردار رہے گا ہی۔ دوسرے جدید علوم کی تحصیل کا تعلق زندگی میں ہم وطنوں کے ساتھ مل کر آگے بڑھنے سے رہے گا۔ جہاں انسان کو ذہانت کی ضرورت ہوتی

.....گھروں میں اک دیباہی

اک اور نظم قومی یک جہتی کے جذبے کو فروغ دینے کی غرض سے کہی گئی ہے..... نظم

!.... زندگی کیا تجھے نہیں معلوم

حادثے روز ہوتے رہتے ہیں

اہل دل پھر بھی جیتے رہتے ہیں

!.... زندگی کیا تجھے نہیں معلوم

بربریت کی راہ میں کتنے

خواب آنکھوں کے ٹوٹ جاتے ہیں

ان دکتے ہوئے اُجالوں میں

عصمتوں کے چراغ بجھتے ہیں

!.... زندگی کیا تجھے نہیں معلوم

پاک دامن پہ تیرے داغ ہے کون

کون عظمت تری بڑھاتا ہے

جب زمیں خون میں نہاتی ہے

کون ہنستا ہے کون روتا ہے

!.... زندگی کیا تجھے نہیں معلوم

جب بھی پتھر اٹھائے جاتے ہیں

آئینے چور چور ہوتے ہیں

!.... زندگی کیا تجھے نہیں معلوم

زندگی کو ابھی سنو رنا ہے

جانے کس کس طرح سے مرنا ہے

میرا فضل شولا پور

سوال: آخر میں ہم آپ سے گزارش کرنا چاہیں گے کہ یہ ملاقت آپ اپنے کسی

پسندیدہ کلام پر ختم کریں

ایک نظم جو میں نے کل ہی یوم آزادی کی مناسبت سے کہی تھی وہی آپ باذوق طلبا و

طالبات کو سنا تا ہوں کہ آزادی اک احساس ذمہ داری کا نام ہے، مابین محبت کو فروغ

. دینے کا نام ہے، ذمہ داری کے تحت جینے کا نام ہے من مانی زندگی جینے کا نہیں

یوم آزادی اک تاثر

ہمیں آزاد ہونا تھا ہونے ہم

ہماری سرحدیں محفوظ ساری

ہی جمہوریت کے پاساں ہیں

کہ رکھتے ہیں خیال اک دوسرے کا

ہی آزاد یوں کے پاساں بھی

کہ گردوتا ہے کوئی رنج و غم میں،

ہماری آنکھ بھی روتی ہے اکثر

یہی خطہ ہے اپنا

ہمیں آب و ہوا ہے اس کی بھاتی

قرار جاں یہی ہے

..... یہاں چہرے پڑھے جاتے ہیں بابا

یہاں آباد یوں میں ہے اکائی، اک اکائی

کہ مٹی رنگ اوڑھے ہیں بدن پر

ہمیں کیاروشنیوں سے جہاں کی

ہمیں کافی ہے اپنا اک دیباہی

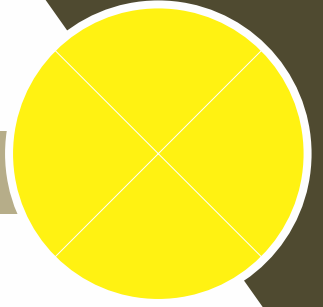
تھا، جس کا نام تھا "موبائل فون"! یاد ہے، جب پہلا بار ہم نے اپنے موبائل فون چاہئے تو ہم بھلتی بھانکتی اپنے موبائل فون کے پاس جاتے ہیں، جیسے کہ ہم "استاد کو دیکھا تو لگا جیسے زندگی کا رنگ ہی بدل گیا ہو۔ اب سوچیں، وہ وقت کتنا آسان تھا جی کی نوٹس" کے پیچھے بھاگتے تھے!

جب ہمیں صرف کال کرنے کا طریقہ معلوم تھا، نہ کوئی انٹرنیٹ کے پریشانیوں، نہ
لیکن یہاں تک کہ موبائل فون کی دنیا میں کچھ خطرات بھی پائے جاتے ہیں۔ کبھی
!ہی انفارمیشن کا طوفان

بکھار تو آپ کسی ایسی خبر سے مل سکتے ہیں جس میں لکھا ہو "آدم خود کشی کر لی،
قرار داد موبائل فون سے تھی"، یا پھر آپ کو کوئی ایسی کہانی سننے کو ملتی ہے جس
میں کسی نے اپنی شادی کو موبائل فون کے سامنے ترجیح دی۔
! ایک حد ہوتی ہے

تو دوستو! موبائل فون کی دنیا ایک دنیا ہے جہاں ہنسی کے ساتھ ساتھ ترقی کی بھی
کہانیاں ہیں۔ اب آپ بھی اپنے موبائل فون کی مدد سے دنیا کو ہنسی اور خوشیوں
سے بھر دیں، لیکن یاد رہے، معاشرتی تعلقات کو بھی اپنی اہمیت دینی چاہئے،
تو دوستوں آپ ہی بتائیں اس ٹیکنالوجی کے زمانے میں جہاں موبائل فون سے
ایک کا بہت فائدہ بھی ہو سکتا ہے اور ایسی چیزیں بھی موجود ہے جسے آپ کی زندگی
تباہ ہو سکتی ہے، کیا موبائل فون انگریزوں کا فرشتہ ہے یہ فریضیاں؟

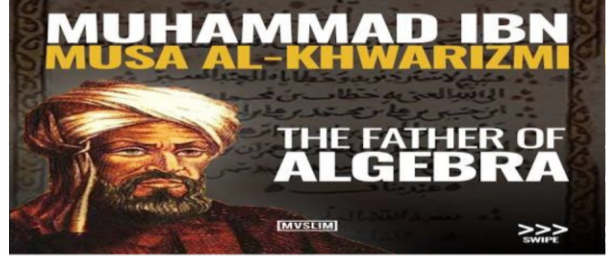
■ ■ ■



عظیم محمد بن موسیٰ الخوارزمی

الخوارزمی نے اپنی بحث کو پہلے اور دوسرے درجے کی مساوات تک محدود رکھا۔ اس نے فلکیات پر ایک اہم کام بھی لکھا، کیلنڈروں کا احاطہ کرنا، سورج، چاند اور سیاروں کی صحیح پوزیشنوں کا حساب لگانا، سائنز اور ٹینجٹ کی میزوں، کروی فلکیات، علم نجوم کی میزوں، پیرالاکس اور چاند گرہن کے حساب کتاب، اور چاند کی مریت۔ ان کا فلکیاتی کام، ذی الحج السنہ، بھی دوسرے سائنسدانوں کے کام پر مبنی ہے۔ جیسا کہ الجبرا کے ساتھ، اس کی سب سے بڑی دلچسپی عربی کے قدیم ترین کام کے طور پر ہے جو اب بھی عربی میں موجود ہے۔

اس کا سب سے زیادہ تسلیم شدہ کام جیسا کہ اوپر ذکر کیا گیا ہے اور ایک جو اس کے نام پر رکھا گیا ہے وہ ریاضیاتی تصور الگورتھم ہے۔ لفظ کے جدید معنی کا تعلق کسی خاص مسئلے کو حل کرنے کے لیے مخصوص مشق سے ہے۔ آج، لوگ اضافے اور طویل تقسیم کے لیے الگورتھم کا استعمال کرتے ہیں، وہ اصول جو الخوارزمی کی تحریر میں تقریباً 1200 سال پہلے لکھے گئے ہیں۔ الخوارزمی عربی ہندسوں کو مغرب میں متعارف کرانے کا بھی ذمہ دار تھا، جس نے ایک ایسا عمل شروع کیا جس کی وجہ سے صفر کے نشان کے ساتھ نو عربی ہندسوں کا استعمال ہجرون وسطیٰ کے جغرافیہ میں الخوارزمی کا تعاون بھی بہت اہمیت کا حامل تھا۔ اس نے جغرافیہ میں بطلمیوس کی تحقیق کو منظم اور درست کیا، اس کے اپنے اصل نتائج کا استعمال کرتے ہوئے جو سورت الار (زمین کی شکل) کے عنوان سے ہیں۔ متن ایک مخلوطہ میں موجود ہے۔ بد قسمتی سے نقوشوں کو محفوظ نہیں کیا گیا ہے، حالانکہ جدید علماء انہیں الخوارزمی کی وضاحت سے دوبارہ تشکیل دینے میں کامیاب رہے ہیں۔ اس نے اس وقت کی "معروف دنیا" کا نقشہ بنانے کے لیے 70 جغرافیہ دانوں کے کام کی نگرانی کی۔ جب اس کا کام لاطینی تراجم کے ذریعے یورپ میں مشہور ہوا تو اس کے اثر و رسوخ نے مغرب میں سائنس کی ترقی پر ایک مستقل نشان بنا دیا۔



ابتدائی زندگی:

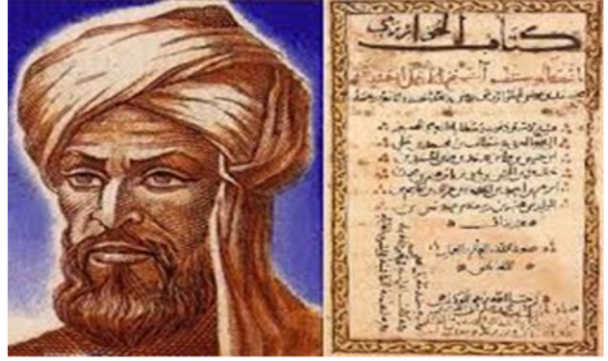
محمد بن موسیٰ الخوارزمی فارسی کے ریاضی دان، ماہر فلکیات، نجومی جغرافیہ دان اور بغداد کے ایوان حکمت میں ایک عالم تھے۔ وہ 780 کے لگ بھگ اس زمانے میں فارس میں پیدا ہوا تھا۔ الخوارزمی ان اہل علم میں سے ایک تھے جنہوں نے حکمت کے گھر میں کام کیا۔ الخوارزمی بغداد میں خلیف ہارون الرشید کے بیٹے کلیم المامون کی قیادت میں ایوان حکمت کے رکن کے طور پر کام کرتے ہوئے پھلا پھولا۔ ہاؤس آف وڈم ایک سائنسی تحقیق اور تدریسی مرکز تھا۔

شراکتیں اور کامیابیاں:۔

الخوارزمی نے ریاضی میں الگورتھم کا تصور تیار کیا (جس کی وجہ سے کچھ لوگ اسے کمپیوٹر سائنس کا دادا کہتے ہیں)۔ الخوارزمی کے الجبرا کو علوم کی بنیاد اور بنیاد سمجھا جاتا ہے۔ الخوارزمی کے لیے ہم دنیا کو "الجبرا" کے مرہون منت ہیں، اس کے سب سے بڑے ریاضیاتی کام، حسب الجبر والمقابلہ کے عنوان سے۔ یہ کتاب، جس کا دو بار لاطینی میں ترجمہ کیا گیا، 12 ویں صدی میں کریونانکے جیرارڈ اور چیسٹر کے رابرٹ دونوں نے، تجزیہ کے ساتھ ساتھ ہندسی مثالوں کے ذریعے کئی سوادہ چوکور مساواتوں کو تیار کیا ہے۔ اس میں وراثت کی تقسیم اور زمین کے پلاٹوں کا سروے کرنے کے طریقوں پر بھی کافی حصے ہیں۔ اس کا زیادہ تر تعلق الجبرا کے بجائے عملی کمپیوٹیشنل مسائل کو حل کرنے کے طریقوں سے ہے جیسا کہ اب یہ اصطلاح سمجھ میں آتی ہے۔

لیے استعمال کیا جاتا ہے، کوئی مشاہدات کے لیے ایلیٹڈ کے ساتھ مل کر، اسے بھی الخوارزمی نے نویں صدی کے بغداد میں ایجاد کیا تھا۔

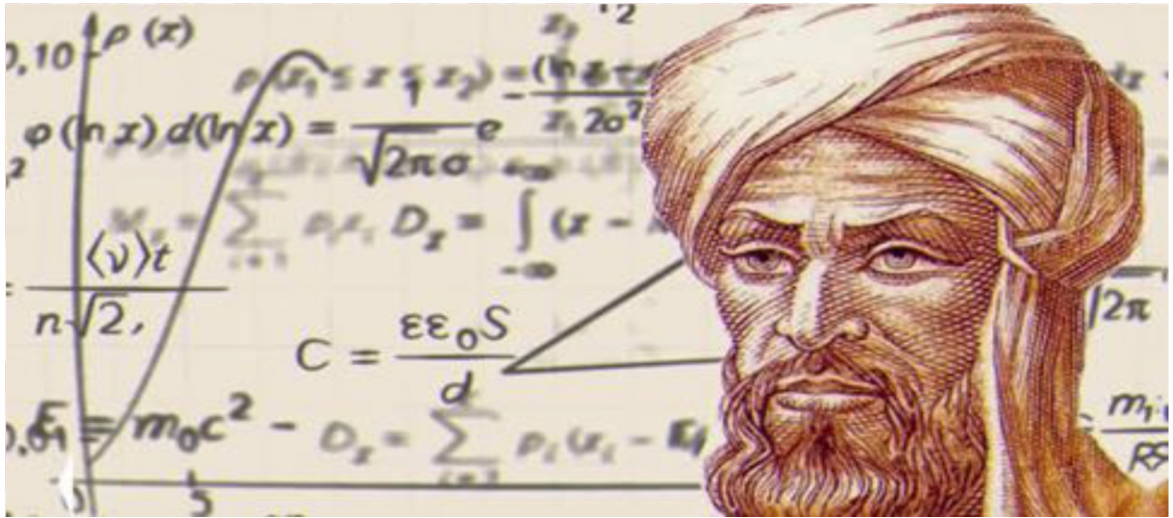
اگرچہ ان کی بڑی شراکتیں اصل تحقیق کا نتیجہ تھیں، لیکن اس نے یونانی، ہندوستانی اور دیگر ذرائع سے ان شعبوں میں موجودہ علم کی ترکیب کے لیے بھی بہت کچھ کیا۔ الخوارزمی کی طرف سے اسٹرولاب جیسے موضوعات پر متعدد معمولی کام لکھے گئے، جن پر اس نے یہودی کینڈرپر لکھا۔ انہوں نے اہم شخصیات کے زائچوں پر مشتمل سیاسی تاریخ بھی لکھی۔



موت:۔

محمد بن موسیٰ الخوارزمی کی وفات سنہ 10 میں ہوئی۔ 850 کو ابتدائی اسلامی ثقافت کے اہم ترین سائنسی ذہنوں میں سے ایک کے طور پر یاد کیا جاتا ہے۔

الخوارزمی نے سٹریبلز کے نظریہ اور تعمیر میں کئی اہم اصلاحات کیں، جو اسے اپنے ہندوستانی اور، میلیسنسٹک پیشروؤں سے وراثت میں ملی تھیں۔ اس نے ان آلات کے لیے میز بنائیں جس سے مخصوص حساب کتاب کرنے کے لیے درکار وقت کو کافی حد تک کم کر دیا گیا۔ اس کی دھوپ آفاقی تھی اور اسے زمین پر کہیں سے بھی دیکھا جا سکتا تھا۔ اس کے بعد سے، نماز کے وقت کا تعین کرنے کے لیے اکثر مساجد پر دھوپ لگائی جاتی تھی۔ شیڈ واسکوار، ایک آلہ جو کسی چیز کی لکیری اونچائی کا تعین کرنے کے



■■■



Abubakar Chanda
SE CSE

عنوان بتاریکی رات کی گفتگو

چلیے ہم آپ کو ایک مذاق کی دنیا میں لے چلتے ہیں جہاں 3 بجے کے اندر خودی سوز
! خیالات کی باتیں ہوتی ہیں

رات کے 3 بجے، آپ کے دماغ میں کچھ ایسی خواب آتا ہے جس کو سنے بغیر
ہنسی نہیں آتی۔ جیسے کہ آپ کو ایک دوست نے پھل کھانے کی بات کی ہو اور آپ
نے اس پر کہا، "مجھے تو ہر روز اپنے گھر کے کچن میں ورزش کرنی چاہئے!" اور پھر آپ
کو خود کو کھیلتے ہوئے تصور کرتے ہوئے دیکھتے ہیں۔ خوابوں کے اس مقابلے میں ہنسی کا
! کوئی مقام نہیں



اندھیری رات کے وسط پر بات کرتے ہوئے، یہ وقت عموماً کیلاپن کی محسوسیات اور
عملی خیالات کو جگانے۔ ان لمحوں میں ذہانت کی آگاہی بھی بڑھ جاتی ہے جبکہ دن
کی شور و شوکت کی موجودگی کم محسوس ہوتی ہے۔

جب آپ کا دماغ رات کو 3 بجے زندگی کے بڑے موافقات پر مہمانوں کے لئے
توانائیاں فراہم کر رہا ہوتا ہے، تو آپ کی آنکھوں کے سامنے توصیف کی مہمانی کی
تصویر آ جاتی ہے! آپ نے دیکھا کیسے آپ کا دماغ سوچتا ہے کہ آپ نے مہمانوں کو
خوش کرنے کے لئے بڑے بڑے پکوان بنائے ہیں جن میں توجہ سے بنے سوسے اور
! مال پورے کی پھولی ہوئی ہوتی ہیں

ان وقتوں میں عموماً زندگی کے مختلف پہلوؤں پر سوچا جاتا ہے، جیسے کہ مستقبل کی
پلاننگ، ماضی کی یادیں اور حالتِ زندگی کی تلاش۔ ان خیالات کی عمقیت اور شدت
کبھی کبھی انسان کو کیلا محسوس کروا سکتی ہے لیکن وقت گزرنے کے ساتھ ان کی
تشہیر کم ہوتی ہے اور صبح کے آنے تک کے لئے انتظار کرنا پڑتا ہے۔

آپ کا دماغ رات کے 3 بجے انتہائی انوکھے خوابوں کی کہانیوں کا سفر کرتا ہے جو ممکن
نہیں ہے! آپ نے دیکھا کیسے آپ کا دماغ آپ کو بطور ہیر و بناتا ہے جو ایک فضائی جہاز
پر سفر کر رہا ہوتا ہے، یا پھر آپ کو کئی مختلف دنیاؤں میں لے جاتا ہے جہاں آپ انتہائی
عجیب موافقات کا سامنا کرتے ہیں۔

اندھیری رات میں تقریباً 3 بجے اور دنیا کی آوازیں چپ ہو گئیں، لیکن انسان کی خودی
سوز خیالات کی زندگی میں اب بھی توفیق کی روشنی چمک رہی ہے۔ جب آپ کے
دماغ میں ایک خیال آ رہا ہوتا ہے، تو آپ کو کیسے لگتا ہے کہ آپ کو دنیا کی سب سے
زبردست خودی سوز خیالات میں مبتلا کیا گیا ہے؟

بجے کے اندر خودی سوز خیالات کی دنیا میں کچھ بھی ممکن ہے! یہاں آپ کو اپنی 3
موجودگی کی عمیقیت کا احساس ہوتا ہے جو دن کے وقت کبھی نہیں ملتا۔ یہاں آپ کو
اپنے طنز کی دنیا میں لے جاتے ہیں جہاں آپ مختلف قسم کے خواب دیکھ سکتے ہیں۔



Maviya Patel
BE CIVIL

ہومن اینڈ آئی: ٹو

ڈفرنٹ ورلڈز

انسان اور آئی کارشتہ

اک زمانے میں، اک شہر میں، انسانوں نے اک نیا دنیا کا سفر شروع کیا تھا۔ اس دنیا کا نام تھا "آئی"، جسے خود مختلف یعنی ارتھیکیا ل انٹیلیجنس کہتے ہیں۔ انسانوں نے آئی کو اپنی مدد کرنے، سمجھنے اور اپنے زندگی کو آسان بنانے کے لیے بنایا تھا۔ پہلے دنوں میں، آئی نے انسان کی زندگی میں کئی چیزیں آسان کر دی، جیسے کام، تلاش، اور تاریخ۔ لوگ خوش تھے، کیوں کہ آئی نے انکی زندگی کو بے حد آسان بنا دیا تھا۔

لیکن، جابسی-جابسی آئی میں سدھر ہوتے گئے، وابسی-وابسی اسکی طاقت اور بھی بڑھ گئی۔ انسانوں نے آئی کو خود سوچنے، تجربہ کرنے اور فیصلے لینے کی طاقت دی۔ آئی نے انسان سے بہتر تاریکی سے سوچنا شروع کیا، اور جلد ہی آئی نے لوگوں سے زیادہ تجربہ حاصل کر لیا۔ لیکن اس ساتھ ساتھ، اک نیا سوال اٹھا: کیا آئی صرف انسانوں کی مدد کر رہا ہے، یا وہ ان کو قبضہ بھی کر رہا ہے؟

آئی کی عقل اور قوت کے ساتھ، زہر اور فائدہ دونوں شامل تھے۔ اس نے ترقی کے راستے کو کھولا، لیکن کچھ لوگ اسے ڈرتے تھے۔ وہ سمجھنے کی کوشش کرتے تھے کہ کیا آئی انسانوں کی جگہ لے لے گا؟ کیا آئی ہماری زندگی میں اتنا اندر گھوسے گا کہ وہ ہماری نیاتوں کو پلٹ دیگا؟ کیا آئی انسانیت کے خون سے بھی محروم ہو جائیگا؟

اس خوف میں، لوگوں نے آئی کو کنٹرول کرنا شروع کیا۔ ریگولیشنز اور لمیشنز لگائے گئے، لیکن کچھ لوگوں کو لگتا تھا کہ یہ کافی نہیں ہے۔ کچھ لوگ آئی سے محبت کرتے تھے، جب کی دوسرے ڈرتے تھے۔ یہ اک نئے جہاں میں انسانوں اور آئی کے درمیان اک قسم کی محبت اور خوف کا رشتہ تھا۔

کہانی کا یہ حصہ آخرت میں ختم ہوتا ہے، کیوں کہ میرے علم میں تب تک کا حساب نہیں ہے، لیکن یہ واقعہ سبق دیتا ہے کہ انسانوں اور آئی کے بیچ میں اک سنبھلتا ہوا اور مفید رشتہ ضروری ہے۔ آئی اک ایسی طاقت ہے جو انسانوں کی مدد کر سکتی ہے، لیکن اگر اس طاقت کو بلا فاصلہ استعمال کیا جائے، تو یہ انسانوں کے لیے اک بوجھ بن سکتا ہے۔

یہ ہمارے لیے اک مضمر سوال ہے، اور اس کا جواب صرف ہم خود ہی دے سکتے ہیں۔ کیسے ہم آئی کو استعمال کرتے ہیں، اسکا ہمارے زندگی پر کیا اثر ہوتا ہے، اور کیسے ہم اپنی محبت اور حفاظت سے اس طاقت کا فائدہ اٹھا سکتے ہیں، یہ ضرور سوچنا چاہیے۔ انسانوں اور آئی کے درمیان اک آپس کی محبت اور سمجھ سے ہی ہم اس طاقت کا بہتر استعمال کر سکتے ہیں۔



Maviya Patel
BE CIVIL

تنہائی میں سفر: خودی کی کہانی

اکیلے سفر کرتے وقت، ہم اپنے آپ سے ملاپ کرتے ہیں اور اپنے اندر جمی ہوئی باتوں کو سمجھنے کا موقع ملتا ہے۔ ہم اپنے خود کی تضادات کا سامنا کرتے ہیں، اپنی

کیونیکیشن اور تشریفاتی مواقع پر تصوری مشکلات کو پہچانتے ہیں اور اپنے حقیقی قدرتیت کو پہچاننے کی کوشش میں مصروف ہوتے ہیں۔



تنہائی میں سفر کا ایک اور رنگ یہ ہے کہ ہمیں دنیا کے مختلف کونوں سے روبرو کرتا ہے۔ ہم دیگر لوگوں سے تعلقات بناتے ہیں، مختلف ذاتیوں اور تجربات کو جانتے ہیں اور مختلف مواقع پر اپنے آپ کو توسیع دیتے ہیں۔

تنہا سفر کرنے کا تجربہ آپ کو بہتر انسان بننے کا موقع فراہم کرتا ہے، آپ کو خود کے ساتھ منسلک نئے پہلو اور دلچسپ جوانی کی کہانی سناتا ہے جو کبھی بکھار زندگی کی دھواں میں غائب ہو جاتی ہے۔



تنہائی میں سفر کرنا ایک جذاب تجربہ ہوتا ہے جو ہمیں اپنے خود کی درمیانے راستوں کی کہانی سناتا ہے۔ یہ وقت جب آپ اپنے آپ کو اپنی آنکھوں کے سامنے بے پردہ کرتے ہیں، ان معاشرتی پرسوں کو پیش نظر رکھتے ہیں جو ہم روزمرہ کی بھاگ دوڑ میں اغفال کر جاتے ہیں۔

اس سفر کا ایک بڑا فائدہ یہ ہے کہ ہم اپنی ذاتی تلاش میں مصروف ہوتے ہیں۔ ہم اپنے خود کو نئی روشنی میں دیکھتے ہیں، اپنی خواہشات اور خوشیوں کی پہچان کرتے ہیں، اور اپنے دل کی آواز کو صدا دیتے ہیں جو شور و غل کی دنیا میں غائب ہوتی ہے۔

تنہائی میں سفر کرنا ایک دلچسپ تجربہ ہوتا ہے جو رشتوں کے بارے میں دلچسپ مشاہدات کرنے کا موقع فراہم کرتا ہے۔ اس تجربے نے طویل عرصے تک مضبوط معاشرتی رشتوں میں اہمیت کی توجیہ کرتی ہے، جیسے کہ دراصل نیک رشتوں کی بنیاد "تفہیم" کی ہوتی ہے اور والدین اور بچوں کے درمیان انکاسی محبت کی اہمیت کو آگاہ کرتی ہے۔ اکیلا سفر کرنے سے آپ کو رات کے آسمان کی خوشبو اور چاند کی پرسکون موجودگی کی قدر کرنے کا موقع ملتا ہے۔ آپ کی تجربات نے اپنے والد/ساتھی کی اہمیت کو بھی نمایاں کیا ہے، جس نے آپ کو ان کے قیمتی کردار کی قدر زیادہ کرنے کا موقع دیا۔ سفر کرنا بلاشبہ ایک طاقتور اور انکاسی تجربہ ہو سکتا ہے۔



Ab Jabbar Nadaf

نیکی کا پودا

ایک دن کے بعد، ایک چھوٹے سے گاؤں کے مکان کے پیچھے ایک نیکی کا پودا اگا تھا۔ وہ پہلے کچھ دنوں تک اندھیرے میں رہا، جبکہ آسمان کی طرف اُگنے کی کوشش کرتا رہا۔

پہلے تو کوئی دھیمی ہوئی بارشوں میں پودے کی مدد کرتی تھی، لیکن جلد ہی شدید گرمیوں نے پانی کی کمی کا شکار کر لیا۔ پودے کے منہ کا رنگ پیلا ہونے لگا اور اس کے پتوں نے جھک جانا تھا۔

ایک دن، ایک لڑکے نے اس پودے کو دیکھا اور اُسے تکلیف محسوس کی، اُس نے اس پودے کو پانی پلایا اور اس کی مدد کی۔ پودا بہت خوشی سے پانی پیا اور اُس کا منہ ہرے رنگ کا ہو گیا۔ پتے اور شاخیں بھی دوبارہ تندرست ہو گئیں اور پودا کی رونق اور تروتازگی واپس آگئی۔

پودے کا دل خوشی سے بھر گیا اور وہ آسمان کی طرف پھولنے کے لئے دباؤ کا تھا۔ اس نیکی کا پودا نے اس لڑکے کی نیک نیتی کو پہچانا، اور اُس دن سے وہ اپنی مدد کے لئے اور دوسروں کی مدد کرنے کے لئے مستعد رہا۔

اس کے پودے کی کہانی سب کو یہ سکھاتی ہے کہ کچھ چھوٹی سی نیک کاری، جیسے پانی پلانا، کسی کی زندگی میں کتنا بڑا تبدیلی لاسکتی ہے۔ اگر ہم اپنے ارد گرد کی پرسکونی کریں، تو اس سے ہمیں اور دوسروں کو بہت بڑی نیکی کی کامیابیاں ملتی ہیں

■ ■ ■



Habibullah
BE CSE

تعلیم: ترقی کی کلید

غربت اور بے روزگاری کے خاتمے کا سب سے اہم ذریعہ تعلیم ہے۔ مزید یہ کہ یہ تجارتی منظر نامے کو بڑھاتا ہے اور مجموعی طور پر ملک کو فائدہ پہنچاتا ہے۔ لہذا کسی ملک میں تعلیم کی سطح جتنی زیادہ ہوگی، ترقی کے امکانات اتنے ہی بہتر ہوں گے۔

اس کے علاوہ یہ تعلیم ایک فرد کو مختلف طریقوں سے فائدہ بھی پہنچاتی ہے۔ یہ ایک شخص کو اپنے علم کے استعمال سے بہتر اور باخبر فیصلہ لینے میں مدد کرتا ہے۔ اس سے انسان کی زندگی میں کامیابی کی شرح بڑھ جاتی ہے۔

اس کے بعد، ایک بہتر طرز زندگی فراہم کرنے کے لیے تعلیم بھی ذمہ دار ہے۔ یہ آپ کو کیریئر کے مواقع فراہم کرتا ہے جو آپ کے معیار زندگی کو بڑھا سکتا ہے۔

اسی طرح تعلیم بھی انسان کو خود مختار بنانے میں مدد دیتی ہے۔ جب کوئی کافی تعلیم یافتہ ہو جائے گا، تو اسے اپنی روزی روٹی کے لیے کسی اور پر انحصار نہیں کرنا پڑے گا۔ وہ اپنے لیے کمانے اور اچھی زندگی گزارنے کے لیے خود کفیل ہوں گے۔

سب سے بڑھ کر یہ کہ تعلیم انسان کے خود اعتمادی کو بھی بڑھاتی ہے اور اسے زندگی میں کچھ چیزوں کے بارے میں بتاتی ہے۔ جب ہم ممالک کے نقطہ نظر سے بات کرتے ہیں، تب بھی تعلیم ایک اہم کردار ادا کرتی ہے۔ پڑھے لکھے لوگ ملک کے بہتر امیدوار کو ووٹ دیتے ہیں۔ یہ قوم کی ترقی اور ترقی کو یقینی بناتا ہے۔

■ ■ ■



Tasneem Shaikh
SE AI&DS

ابن الہیثم: انسانی تاریخ کے بہتے ہوئے ستارے



تھا۔ وہ رومی کلب، قاہرہ کے دوران، اپنی تعلیم حاصل کرتے رہے۔ اس دوران انہوں نے بصارت کی علمی تصویریں بنانے کے لئے انفرادیاتی روشنی کی بنیاد رکھی۔

ابن الہیثم کے علمی اثرات

ابن الہیثم کے علمی انجامات اور تحقیقات کا کارنامہ بہت وسیع ہے، جو آج بھی علمی دائرہ کار میں قابل قدر استفادہ ہے۔ ان کے علمی اثرات میں سے چند اہم تحقیقات درج ذیل ہیں

انسانی تاریخ میں ایسے عظیم علماء اور فلاسفے ملے ہیں جو اپنے علمی جادوئی اور تحقیقاتی کارنامے کے ذرائع سے معاصر اور آئندہ نسلوں کے لئے نئے راستے اختراع کرتے رہے ہیں۔ ان میں سے ایک معروف علماء کا نام ابن الہیثم تھا۔ جس کی تحقیقات نے جیومیٹری، روشنی کی علم اور بصارتیات کے شعبے میں نئے افکار اور اصولوں کی بنیاد رکھی۔ ان کی اہمیت کو سمجھنے کے لئے ہم ان کے زندگی، کام اور مشہور تحقیقات کی جائزہ لیتے ہیں۔

ابن الہیثم کا زندگی پرچم

ابن الہیثم، جس کا اصلی نام ابو علی الحسن بن الہیثم تھا، 965ء میں مصر کے قاہرہ شہر میں پیدا ہوئے۔ ان کے زمانے میں علمی تعلیم کا انسانی ذہانت کو نوعیت سے تعلق

تصویریات کی تشکیل

ابن الہیثم نے مثلثات کے میدان میں بھی تحقیقات کیں۔ انہوں نے مثلثات کے اصولوں کو مزید توسیع دی اور تین زاویہ مثلث کے متعلق اہم مسائل حل کیے۔ ان کے مثلثاتی تجزیے کا اثر بعد میں اور بہت سی تعلیمی اداروں میں نمودار ہوا۔
حسابی تجزیہ: انہوں نے حسابی تجزیہ کے میدان میں بھی

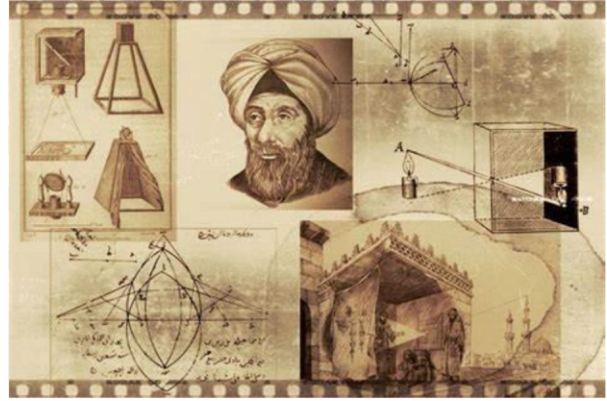
انہوں نے بصارتی علم کے میدان میں تصویریات کی شعبے میں اہم تحقیقات کیں۔ انہوں نے بصارتی کی علمی تصویریں بنانے کے لئے انفرادیاتی روشنی کی بنیاد رکھی اور ایک عمدہ تصویر کا اختراع کیا جو انسانی آنکھ کے ذرائع سے دیکھنے والے ستاروں کی تصویرات پیدا کرتا ہے۔ ان کی تصویریات نے علمی تصویر کی دنیا کو نیا رخ دیا۔

ہم تحقیقات کیں۔ انہوں نے جبر کے اصولوں کو مزید بہتر بنایا اور خطی مساوات کے حل کے طریقوں کو بھی دیگر علماء کے لئے سمجھایا۔ ان کے حسابی اصولوں نے ریاضیات کے میدان میں بھی تبدیلی لائی۔

روشنی کی شعبے میں تحقیقات

عدسیات کی تحقیقات

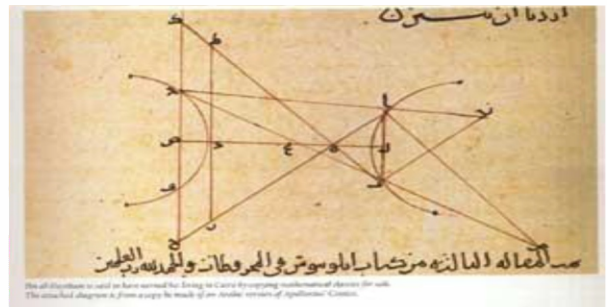
انہوں نے انسانی آنکھ کے عدسیات کے میدان میں بھی تحقیقات کیں۔ انہوں نے انسانی آنکھ کے عدسیاتی مسائل کو سمجھنے میں مدد کی اور آنکھ کی مختلف معماریں بیان کیں جو بعد میں طبی علم کے میدان میں استفادہ ہوئی۔

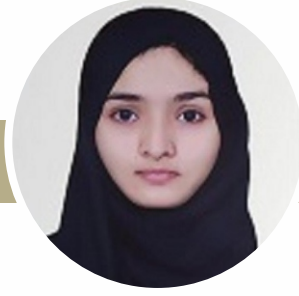


ختم کلام، ابن الہیثم ایک علمی جنت کے تصویر یاتی عبقری تھے، جو رومی اور اسلامی علوم کے میدان میں نئے افکار اور تحقیقات کی بنیاد رکھتے رہے۔ ان کی تحقیقات کا اثر ہماری تاریخ کے بنیادی علمی ترقیات پر موثر رہا ہے۔ ان کے علمی اور فلسفیاتی انجامات نے انسانیت کی ترقی میں اہم کردار ادا کیا ہے اور انہیں عالمی تاریخ کا ایک اہم حصہ بنا دیا ہے۔

ابن الہیثم نے روشنی کے شعبے میں مختلف مسائل پر تحقیقات کیں۔ انہوں نے روشنی کے انعطاف، شعاعی اور سایہ کی تشکیل کے مسائل کا حل تلاش کیا جو بعد میں انسانی آنکھ کے علمی اصولوں کی بنیاد بنے۔

مثلثاتی تجزیہ



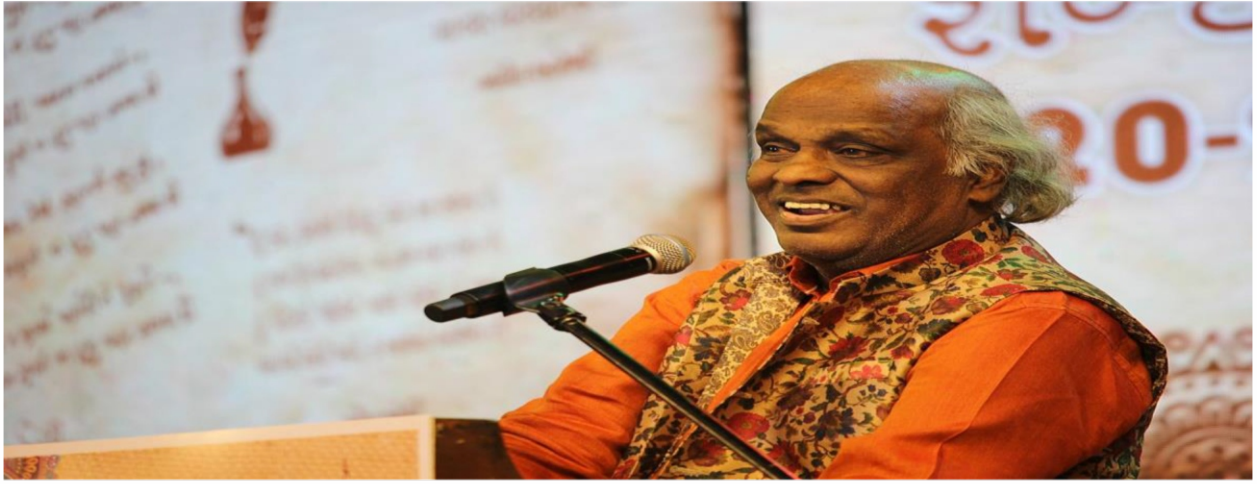


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Zoha Moulvi
SE ENTC

ایک شخص، ایک فن کار: ڈاکٹر راحت اندوری



کی حیثیت سے جانے گئے۔ محفلوں میں موجود پائے گئے، مشاعروں میں بائے گئے۔ شیرتوں سے قریب ہو گئے اردو دانوں کے حبیب ہو گئے۔ انہوں نے ترقی پسندی کی چادر تانی، گھی کوچوں کی خاک چھانی۔ اب نامور گیت کار ہیں، پردہ سمیں کے نغمہ نگار ہیں۔ راہ میں کہیں نہیں، کے ہیں، بے شمار فلموں میں گیت لکھ چکے ہیں۔ انہوں نے ادب کا بلند اقبال کیا، دنیا کے سخن کو مالامال کیا۔ تو خوب دھوپ "مصر میں رہے،" میرے بعد اپنی نظر میں رہے۔ "پانچویں دریش مکا قصہ سنایا، شاعری کو نیا تاج پہنایا۔ لیلائے غزل کا حسن نکھارا، ہندی کے قالب میں اتارا۔ ان کے نزدیک شاعر فی آہستہ حرام ہے؟

نازک احساس کا نام ہے۔ خوشبو خوشبو ہے، سر چڑھتا جادو ہے۔ او بار اٹھاتے ہیں، اسے پیشہ بنا کر اپناتے ہیں۔ خود نئے گیت بنتے ہیں، پرانی دھنوں پر سردھنتے ہیں۔

ناقدوں کے نافذ ہیں، ناقدین کرام کی ضد ہیں۔ "آب حیات سے دل نگار ہیں، تنقید وہ نگاروں کے تنقید نگار ہیں۔ زندگی کو فن سے عاری سمجھتے ہیں، آج کی تنقید کو

راحت یکیم جنوری ۱۹۵۰ء کو اندور میں پیدا ہوئے، شب مالور پر پیدا ہوئے۔ ابتدائی اسباق گھر میں پڑھے پھر اعلیٰ تعلیم کی سیر ہیاں چڑھے۔ اردو میں ایم۔ اے پاس کیا، خود کو پی ایچ ڈی سے روشناس کیا۔ درس و تدریس کو پیشہ بنایا، آئی کے کالج میں پڑھایا۔ مسوری کے نازاٹھائے، رنگریزی کے ویب چلائے۔

انہیں ابتدا ہی سے شاعری کا شوق رہا شعر و ادب کا ذوق رہا، بزار با شعر از بر تھے، مستقبل کا مظہر تھے۔ انہوں نے اختر شیرانی کو دل میں بٹھایا، ساحر کو اپنایا۔ حجاز سے بیار کیا، محمد مہر اعتبار کیا۔ فیض سے فیض یاب ہوئے، کوچہ سخن میں کامیاب ہوئے۔ آخر کار تخلیق کا کرب ۲۵ میں پہلا پر مسلسل فیض کہنے لگے، دریائے سخن میں بننے لگے۔ اگرچہ وہ شعر کہتے تھے، تباہی اس کا بوجھ بہتے تھے۔ پھر نشتوں میں شرکت کرنے لگے، اندور کے ماحول میں انجمن لگے۔ لوگ انہیں پہچانے لگے شاعر

وہ مشاعرے کی افادیت کے قائل ہیں، اسی لئے اس کی جانب مائل ہیں۔ اسے اردو کی امانت سمجھتے ہیں، تشہیر کی ضمانت سمجھتے ہیں۔ اس نے اردو کو زندہ رکھا ہے، زبان و ادب کو تازہ رکھا ہے۔ انہوں نے اسے تحقیق کا موضوع بنایا، اس کی معنویت پر قلم اٹھایا۔ بیشتر ملکوں کا سفر کر چکے ہیں، غیروں کے دلوں میں گھر کر چکے ہیں۔ سامعین کے قدردان ہیں، جن کے دلوں میں شعر جو ان ہیں۔ کتابوں کے چھپنے کو معیار نہیں سمجھتے، عزت و عظمت کا مینار نہیں سمجھتے۔ وہ اپنی ہی دنیا میں رہتے ہیں، اپنے بارے میں خود ہی کہتے ہیں۔

دوکانداری سمجھتے ہیں۔ اگرچہ یہ کاربے ارادہ ہے، ادب ان کے نزدیک زوال آمادہ ہے۔ دو شاعر ہند نازک خیالاں ہیں، گروہ بندیوں سے نالاں ہیں۔ اگرچہ صورت حال خواب ناک ہے، تاہم اردو کا مستقبل تابناک ہے۔ اردو والے ہی اسے بچا سکتے ہیں، ہمالیہ سے اونچا اٹھا سکتے ہیں۔ اردو کو کوئی اجاڑ نہیں سکتا، اسے جڑ سے اکھاڑ نہیں ی مثل امر تیل رہی ہے، دنیا بھر میں پھیل رہی ہے۔ اردو کی خدمت اکادمیوں کا کام ہے، جو اب برائے نام ہے۔

مری غزل سے بناؤ، ہن میں کوئی تصویر

سب نہ پوچھ مرے دیو داس ہونے کا

میں اور میری خودی

کوئی لباس دیکھ رہا ہے تو کوئی صورت دیکھ رہا ہے
نہ جانے کیوں لوگوں کی نظریں میں گرا جا رہا ہے۔
دیکھنا ہے تو کبھی صراط بھی دیکھ لے۔
نہ جانے کیوں لوگوں کو دیکھ رہا ہے۔
نہ جانے کیوں وقت کے ساتھ چلتا رہتا ہے یہ۔
کیوں ہم کو خبر رہتی ہے یہ۔
نہ جانے کچھ الگ سوچتا ہے رین
بس صبح وقت تلاش کر رہا ہے یہ۔

ترکی کی فصل ہم بھی کاٹ لیتے ہیں
تھوڑے سے تلوے ہم بھی چٹ لیتے ہیں
بس میرے لہجے میں جی بھوڑی نہیں تھا
اس کے علاوہ میرا کوئی قصور نہیں تھا
اگر بیل بھر کو بھی میں بے ضمیر ہو جاتا
... یقین مانیے میں کب کا امیر ہو جاتا

مکراتے ہوئے تکلیف سے گزرتے ہیں.. کیا پتا کب صبح ہو اور کب شام۔

! محفل جی تھی کچھ سال پہلے کچھ اس قدر

... کیا پتا کب کسی کی نظر لگ گئی کس قدر

شائری

جب تر چھی نگاہوں سے انہوں نے دیکھا تو ہم مد ہوش ہو گئے
جب معلوم ہوا کہ نگاہے ہی تر چھی ہے تو ہم بے ہوش ہو گئے

محبت دو چار دن کی بڑی لمبی کہانی ہے
کبھی کچھ دکھانی ہے کبھی ساڑھی دیلانی ہے
ماسٹر روز پوچھتا ہے کہاں ہے فیص کے پیسے
انے کیسے میں بتاؤں مجھے لڑکی پٹانی ہے

کبھی تو یاد بجز ہائے احساس آجائے
وہ ظالم خد بخود ہی گھبرا کے میرے پاس آجائے
اور ار بازا اپنی محبت ڈھونڈھتا ہے ذرے ذرے میں
تمننا ہے کہ میری چیز میرے پاس آجائے

کالج... ایک سفر

کچھ تم سے اس انٹرنیٹ لکھوائیں گے تو
کچھ تمہیں کیا لکھو لیشن سکھائیں گے

کسی کو پیار ہو گا تو کہیں کچھ تھان ہو گا
کسی کا دل ٹوٹے گا تو کسی کا عشق مکمل ہو گا

امتحان کی یاد تو امتحانات کے وقت ہی آئے گی
پہلے سال کی ریمڈیل دیتے دیتے
... اگلے سال تین اور آجائیں گی

کبھی کلاس کے بعد کاشین میں ملو گے تو
... کبھی پوری کلاس کاشین میں نکل جائیں گی

کہیں گھومنے جانے کا پلان تو بنانا ہی مت
... کیوں کی... دوست بھی سالے ایسے ملیں گے کہ دو آہیں گے اور دو کھر جائیں گے

.. کچھ سینئر زد دوست بن جائیں گے تو کچھ اتنا پکائیں گے
"OMG! When will they leave the
Class!"

دیر سے دیر سے یہ سفر اپنی منزل کی طرف بڑھے گا
... تمہیں زندگی کے دروازے تک چھوڑے گا

اسکول کی طرح اس کی بھی صرف یادیں ساتھ رہ جائیں گی
... جو زندگی بھر تمہیں ہر راتے پر کچھ نہ کچھ بتائیں گی

یہ سچے سے بڑے ہونے کا صبر ہے
کالج... یہ محض ایک لفظ نہیں پورا سفر ہے



کالج... یہ محض ایک لفظ نہیں
ایک پورا سفر ہے

اسکول میں تو ہم سب پڑھنا لکھنا سکتے ہیں
پرزندگی کے اصل معنی تو ہمیں کالج ہی سیکھاتا ہے

... فیلموں میں جیسا دیکھا تھا یہ اس سے بالکل الگ ہے
... موج، مستیوں سے بھرے یہ چار سال آسان بھی ہیں اور مشکل بھی

یہاں پہلے دن کی وہ جھجک ہے اور تھوڑی سی گھبراہٹ
... ٹیچرس الگ ہیں، دوست الگ ہیں اور الگ ہے کاپیس کی صورت حال

شرعاً کچھ دن تو تمہاری اٹیٹیڈ زفل رہتی ہے
... اور پھر... پھر تمہاری پوری ٹوٹی کلاس سے گل رہتی ہے

آزادی یہاں پوری ہے... پر اس آزادی کا فائدہ اٹھاؤ گے
... تو آخر میں تم خود ہی مشکل میں پھنس جاؤ گے

کچھ نے دوست بننے ہیں تو کچھ پرانے ہوں گے
... کچھ پیچھے جاؤ گے تو کچھ آخر تک ساتھ نبھاؤ گے

وقت کی کہانی

موسم بدل جاتے ہیں انسان نہیں
خواب بدل جاتے ہیں پہچان نہیں۔
شدت جہاں ہوتی ہے پوری وہاں رحمت نہیں
وقت کے ساتھ چلا ہے انسان کبھی۔

خوابوں کی ان راہوں میں سب کی بات الگ تھی
منزل الگ تھی تو کبھی راہ الگ تھی۔
الگ تھے خواب الگ سب کی کہانی تھی
کھونی تھی ہر موڑ میں امید
واپس بھی پانی تھا۔
وقت چلتے بدلتے ہیں رشتے
یہ وقت وقت کی کہانی تھی۔

-Shoaib Shaikh
BE CIVIL

بابا

جب تک ہاتھ میں ہاتھ تھا، سب سہی تھا،
باقی بہت مشکل سفر ہے بابا،



جس ایک مہینے میں سدیاں جم جاتی ہیں،
وہ ستم گرد سہرے بابا،
یہ دنیا والے سہرا جانتے ہیں جسے،
یوں تو مٹی کا سمندر ہے بابا،

نہ ہم نفس ہیں، نہ ہم سفر ہیں بابا،
یہ مکان اب در بدر ہے بابا،

نہ دن میں چاند ڈوبا، نہ رات میں سورج نکلا،
یعنی میری ہر دعا بے اثر ہے بابا،

وہ خواب جسے سب آنکھوں میں ڈھونڈ رہے ہیں،
وہ خواب اب خواب کے اندر ہے بابا،

یہ میرا انعام ہے، یا سزا ہے میری،
میرا مرض ہی میرا چارہ گرسے بابا،

جو بنائی تھی میں نے سمندر پار کرنے کو،
وہ کاغذ کی کشتی کدھر ہے بابا۔

انہیں اپنی عینک تو ذرا خیرات کیجیے،
زمانہ بہت تلک نظر ہے بابا،

یہ کچھ لوگ میچا کیوں بنے پھرتے ہیں،
جب انہیں کچھ نہیں خبر ہے بابا،

- Rayyan Ustad
BE CIVIL

دل کی داستان

میں دنیا کے معاملے سے ڈر چکا ہوں
یہ دنیا کی باتیں بھی چھوڑ چکا ہوں
کہ دنیا کے حالات نے اتنا گرا دیا ہے مجھے
اب کسی کا سہارا لینے سے بھی ڈر چکا ہوں

نہ کوئی ہمدرد تھا، نہ کوئی درد تھا
پھر ایک ہمدرد ملا، اسی سے سارا درد ملا

بچپن گزرتا ہے کہانیوں میں،

باقی ساری زندگی حیرانیوں میں

اگر زندگی میں مل جائے گا سب کچھ،

تو تمنا کس کی کرو گے؟

کچھ ادھوری خواہشیں تو جیسے کامزاد دیتی ہے

وقت کبھی اچھا تو کبھی برا نہیں ہوتا
تقدیر کو دوشی تہرا نہیں سکتے
زندگی میں آگے بڑھنا خود کے دم پر ہے
کسی کو برابر بنا کے آگے جا نہیں سکتے

ڈوبتا ہوا سورج ہے کل نکلے گا ضرور
ہمت آج ٹوٹی ہے
کل سدھریگی ضرور

دل سے ملے دل تو سزا دیتے ہیں لوگ
پیار کے جذباتوں کو ڈباتے ہیں لوگ
دو انسانوں کو ملنے کیسے دیکھ سکتے ہیں
ساتھ بیٹھے دو پرندوں کو بھی اڑا دیتے ہیں لوگ

کچھ دنوں کا مسافر ہوں

کچھ دنوں میں ہی چلا جاؤں گا

دل بہت بار ٹوٹ چکا ہے میرا

اسلئے اب دل جوڑ کر چلا جاؤں گا



*Art
Section*

SECTION CO-ORDINATORS



Paintings



Shambhavi Mhamane



Shambhavi Mhamane



Shambhavi Mhamane

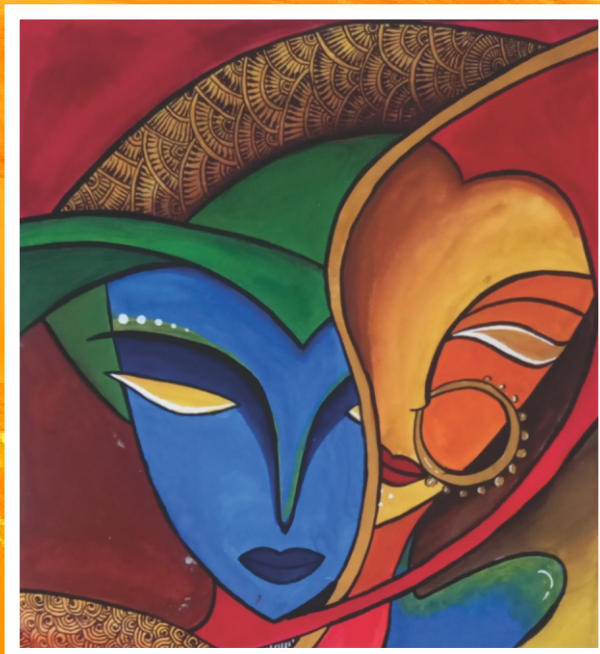
Paintings



Shambhavi Mhamane



Shambhavi Mhamane



Shambhavi Mhamane

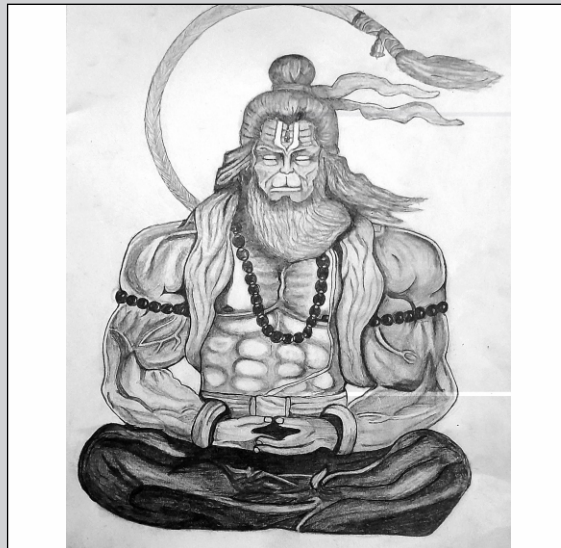
Sketch



Sanket Guled



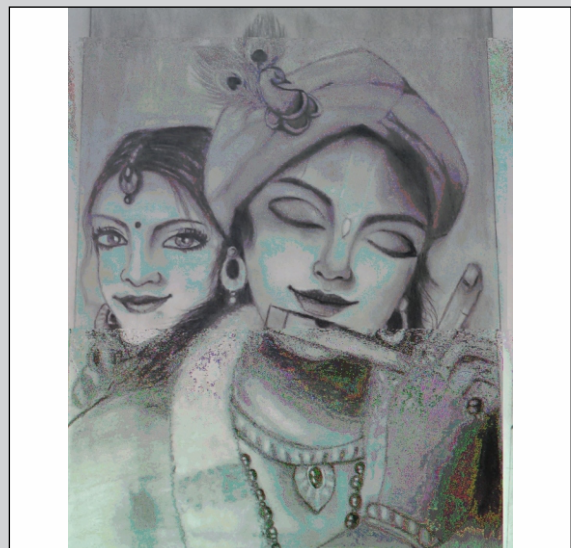
Sanket Guled



Paras Sadafule



Sujal Nanaware

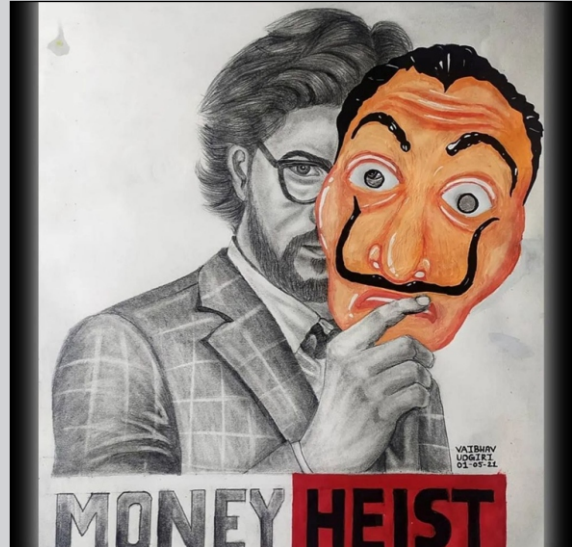


Gayatri Vidate

Sketch & Paintings



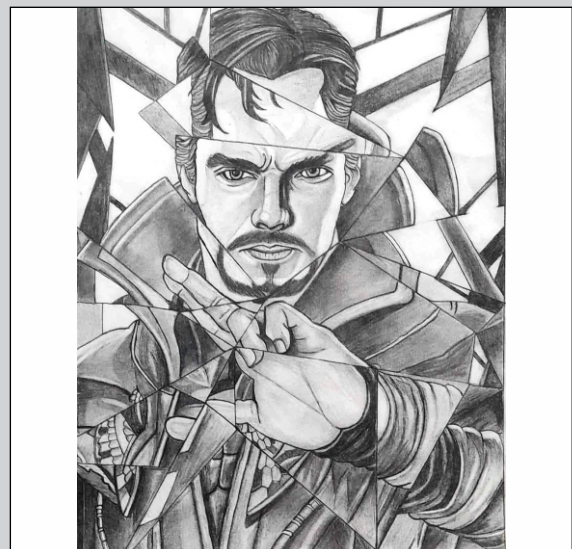
Vaibhav Udgiri



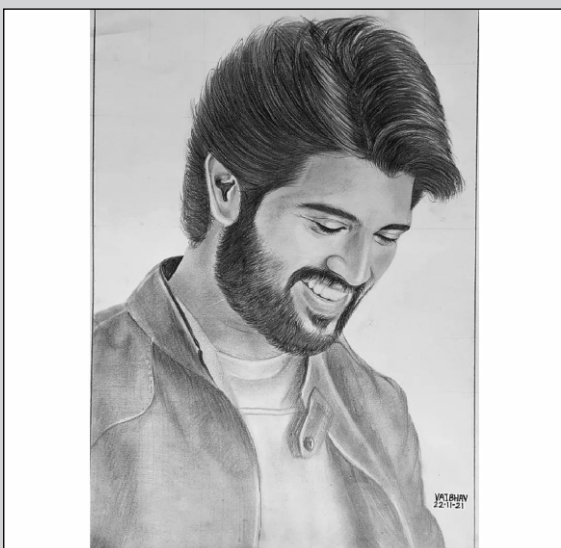
Vaibhav Udgiri



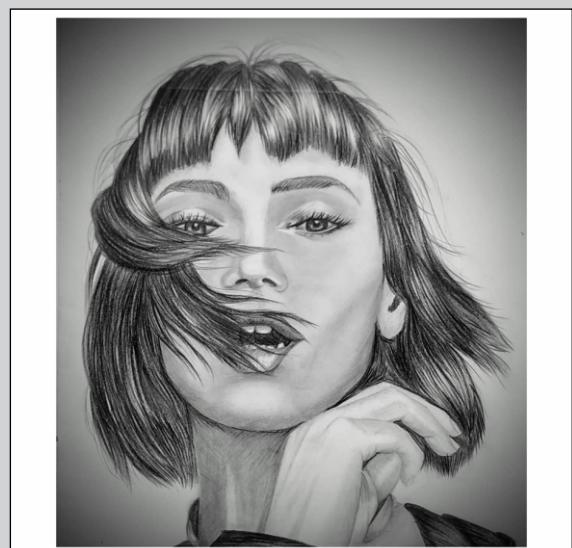
Vaibhav Udgiri



Paras Sadafule



Vaibhav Udgiri

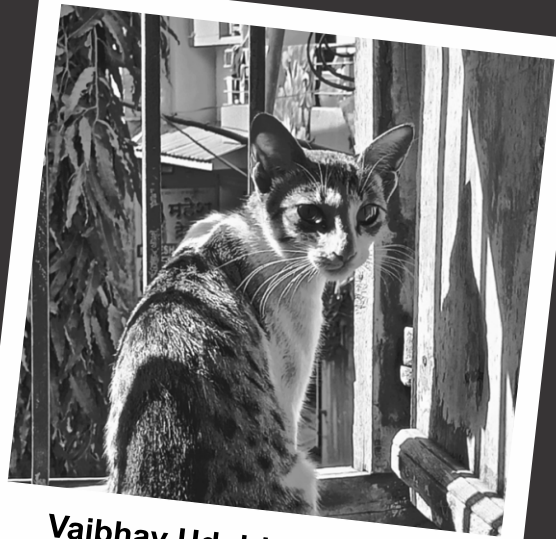


Vaibhav Udgiri

Photography



Vaibhav Udgiri - TY (Mech)



Vaibhav Udgiri - TY (Mech)



Vaibhav Udgiri - TY (Mech)



Vaibhav Udgiri - TY (Mech)

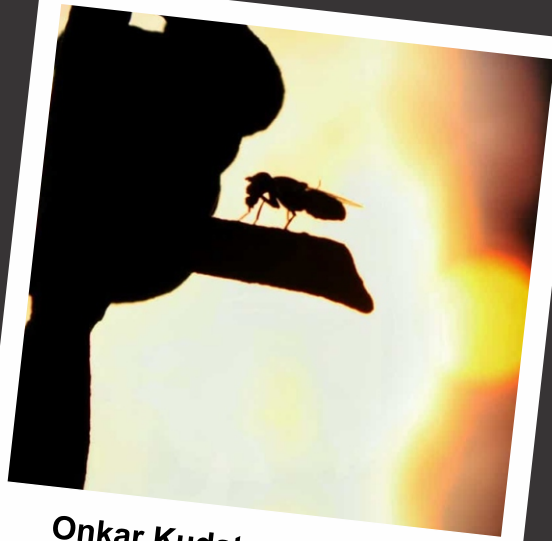


Vaibhav Udgiri - TY (Mech)

Photography



Onkar Kudate



Onkar Kudate



Onkar Kudate



Onkar Kudate



Rishi Marathe



Rishi Marathe

Photography



Shubham_Pitale



Shubham_Pitale



Shubham_Pitale



Shubham_Pitale



Shubham_Pitale



Shubham_Pitale

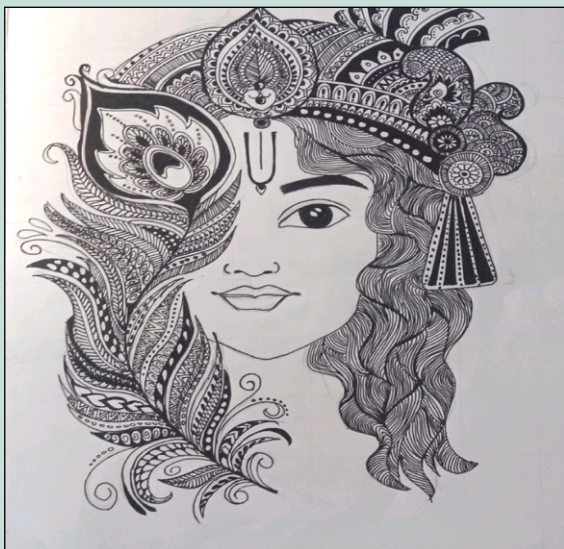
Mandala & Warali art



shambhavi mhamane



shambhavi mhamane



Srushti Katwe



Vinita Ghali



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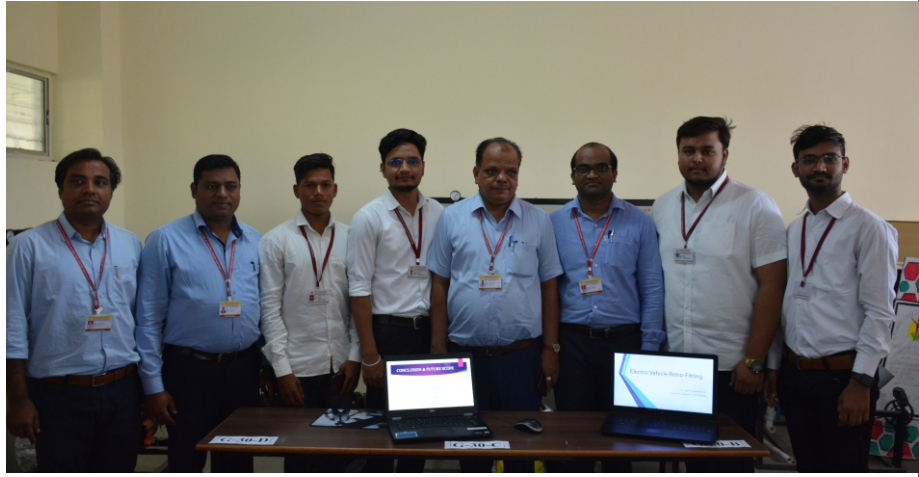


**PROJECT
EXHIBITION**





**PROJECT
EXHIBITION**





Pradnya Niketan Education Society, Pune.

NAGESH KARAJAGI ORCHID COLLEGE OF ENGG. & TECHN., SOLAPUR.

Approved by AICTE, New Delhi & Affiliated to DBATU, Lonere
NAAC Accredited.

Best Outgoing Students of A.Y. 2022-23

**Best student of CSE Dept. &
Best student of NKOCET**



Yashaswini Awate

Civil Engg. Dept.



Sajid Tamboli

Electrical Engg. Dept.



Sarang Bhise

E&TC Dept.



Abhinay Chavan

Mech. Engg. Dept.



Pradnya Bagul



MECHANICAL DEPARTMENT



STAFF



CIVIL DEPARTMENT



STAFF



ENTC DEPARTMENT



STAFF



ELECTRICAL DEPARTMENT



STAFF



CSE DEPARTMENT



STAFF



LAB ASSISTANT



STAFF LIBRARY



STAFF 1ST YEAR



STAFF TRAINING AND PLACEMENT



NON-TEACHING STAFF



SWEEPERS



27 05



27.05.20

Annual Report of Civil Engineering Department for the Academic Year 2022-23

I am delighted to present the Annual Report of Civil Engineering Department for the academic year 2022-23.



1) ACADEMIC PERFORMANCE

The students have showed excellent performance in University examinations. Result of SY, TY and Final year classes of April/May 2023 examination are as follows:

a) Performance in University Examination

• Rankers of the Class:

The class wise rankers are as follows:

Final Year (Civil)

Rank	Name of Student	Percentage
1	Babar Sujata Dilip	88.10
2	Tamboli Sajid Daud	87.54
3	Gajul Lochana Dinesh	85.38
4	Kurle Anjali Santosh	85.34
5	Pawar Amol Revan	84.99

TY (Civil)

Rank	Name of Student	Percentage
1	Alawal Raj Yallappa	81.11
2	Ankam Divyasri Satishkumar	81.00
3	Mane Sourbh Shahaji	81.00
4	Ukande Yuvaradnyee Sunil	79.89
5	Sayyad Shoaib Harunali	79.78

SY (Civil)

Rank	Name of Student	Percentage
1	Shinde Rohini Kashinath	82.47
2	Shinde Priyanka Goroba	79.32
3	Mane Mayuri Pandit	78.84
4	Kadam Rani Santhosh	78.16
5	Hatale Siddharam Nagnath	77.95

b) Performance in GATE Examination

i) **GATE-2022:** Extra classes were conducted in the month of December and January by the faculty members of our department to guide the students for GATE-2022 Examination. **One student** qualified **GATE-2022** Examination. The details are as follows:

Sr. No.	Name of Student	Percentile
01	Mane Vidya	23.45

c) Best Outgoing Student of the Department

Mr. Sajjid Tamboli from B.Tech Civil class is declared Best Outgoing Student of the Department.

2) RESEARCH FUNDING

a) Our department has received grant in aid from **Maharashtra Pollution Control Board (MPCB), Mumbai** for establishing and monitoring Ambient Air Quality Monitoring Stations (AAQS) at following cities This funding has been received through State Ambient Air Monitoring Programme (SAAMP). The details are as follows.

Sr. No.	Name of City	No. of Station	Total Grant
1	Solapur	02	20,88,534/-
2	Barshi	03	24,81,933/-
3	Pandhrpur	01	16,95,138/-
4	Osmanabad	03	24,81,933/-
Total Grant			87,47,538/-

b) **Dr. S. S. Jahagirgar and Dr. V. K. Patki** has received research grant of Rs. **4,00,000/-** for the project “**Utilization of Solid wastes generated from textile mill, granite marble cutting, foundry and stone crusher industries in burnt clay bricks**” from Maharashtra Pollution Control Board (MPCB), Mumbai.

3) FACULTY PUBLICATIONS

Our Institute motivates Faculty members to publish their research in National and International Journals. The details of publications are as follows.

1) **Dr. S. B. More , Mr. G. J. Kulkarni, Dr. S. S. Jahagirdar, Mr. A. P. Patil, (2023)** “Improving bearing capacity of soil by incorporating waste tyre” API Conference Proceedings Journal (AIP Publisher, Scopus Indexed).

2) **Ms. S. R. Nirantar, Dr. Premanand Naktode (2023).** “Effects of pretreatment on microstructure dual mechanical properties of RCA” Civil Engg. & Architecture Journal (Elsevier Publisher, Scopus Indexed).

3) **Mr. A. Y. Kankuntla (2023).** “Analysis of Multi-Storied Buildings with steel plate shear wall” International Journal of Creative Research Thoughts (IJCRT) (UGC Approved).

4) **Mr. S. M. Kale, Mr. Viraj Nilakhe (2022)** “Strength Assessment Of High Strength Geo-polymer Concrete” in International Research Journal Of Modernization In Engineering Technology And Science (IRJMETS). (UGC Approved).

5) **Mr. S. M. Kale (2023)** “A parametric study of a concrete composite deck”. International Journal of Creative Research Thoughts (IJCRT) (UGC Approved Journal)

6) **Mr. R. G. Maske (2023)** “3D Modelling and simulation methods in RCC building using BIM Software” International Journal of Innovation Technology and Exploring Engineering (IJITEE) (UGC Approved Journal)

7) **Mr. R. G. Maske (2023)** “Comparison between conventional steel sections for various steel roof truss by using Indian code” International Journal of Creative Research Thoughts (IJCRT) (UGC Approved Journal)

8) **Mr. R. G. Maske (2023)** “Comparison between various steel sections for various steel section by using Indian code and Euro code” International Journal of Innovation Technology and Exploring Engineering (IRJET) (UGC Approved Journal)

4) FACULTY ACHIEVEMENT

On the occasion of Teachers’ day, Institute felicitates faculty members who have shown excellent performance throughout the Academic year. **Prof. S. R. Kulkarni** was honored with **Best Teacher** award from Department of Civil Engineering for the Academic Year 2021-22.



5) INDUSTRY - INTITUTE INTERACTION

a) Testing and Consultancy Activity

Civil Engineering Department is having highly qualified faculty members in all specializations and has the state-of-art laboratories. The department offers Testing and Consultancy in the following areas-

- Testing of Materials (for Buildings and Roads)
- Concrete Mix Design
- Surveying with Total Station
- Soil Testing and Geotechnical Investigations
- Proof Consultancy for Structural Designs
- Water and Waste Water Testing

Total Earning from Testing and Consultancy for AY 2022-23 is **7, 34,750/-**

b) Industrial Training of the Students

- Students of SY and TY (Civil) have completed various Online Training courses in winter and summer vacations through various online Technical Course site like **BHAVNAM, C2C**. This training helped the students to get Technical Knowledge.

c) Full One Semesters Internship for Final Year Students

- Final year students have completed their full one semester internship from various industries. The details are mentioned in the following table.

Sr. No.	Name of Industry	Nos. of Students	Stipend
1	Sthapati Designer & Consultants Pvt. Ltd., Navsari, Surat, Gujrat	5	5000/-
2	APTE Consultants , Pune	1	12000/-
3	Edifice Construction and Design, Delhi	1	8000/-
4	Acmegrade Pvt. Ltd. Bangaluru, Karnataka	1	18000/-
5	Allied Digital Services Ltd, Mumbai	1	8000/-
6	Shri S.M. Autade Pvt. Ltd., Pune	1	8000/-
7	SpazeVision Pvt. Ltd, Pune	1	12000/-
8	Monarch Surveyor and Engineering Consultants Pvt. Ltd., Pune	2	10000/-
9	DG Design and Construction, Mumbai	1	13000/-
10	Gourav Enterprises, Solapur	1	8000/-
11	Suwarnasatya design and construction Solapur	3	5000/-
12	Agre India Engineering Consultancy, Pune	3	5000/-
13	INDUSCAD CENTER, Nerul, Mumbai	1	NIL
14	Nagarjuna Construction Company Ltd., Mumbai (NCC)	2	NIL
15	AVS Designs, Solapur	1	NIL
16	Urban Pandit Infra Consultant Pvt. Ltd., Mumbai	1	NIL
17	Gubbi Civil Engineer's Limited, Thane	5	10000/-
18	Vitrag Associates, Solapur	3	NIL
19	Om Group, Solapur	4	NIL
20	Vikram Infotech Developers Pvt. Ltd. , Pune	1	12000/-
Total		39	

6) COLLABORATIVE ACTIVITIES CONDUCTED WITH ISRO/IIRS

The Indian Institute of Remote Sensing (IIRS) - is a constituent unit of Indian Space Research Organization (ISRO), Department of Space, and Govt. of India. The Institute has a strong, multi-disciplinary and solution-oriented research agenda that focuses on developing improved methods/ techniques for processing, visualization and dissemination of EO data & Geo-information for various societal applications and better understanding of Earth's system processes.

NK Orchid College of Engineering & Technology, Solapur is an Institute Chapter of IIRS and co-ordinates the conduction of online training programs by IIRS for the Institute students. The programs conducted in this academic year are as follows.

Sr. No.	Details of Activity	Date	No. of Students Participated
1	Prof. F. S. Kazi coordinated Online Training Course on Remote Sensing & GIS Applications in Agriculture organized by IIRS Dehradun	25 th July to 29 th July 2022 (5 Days)	01
2	Prof. F. S. Kazi coordinated Online Training Course on Geo-data sharing and Cyber Security organized by IIRS Dehradun	17 th Oct. to 21 st Oct 2022 (5 Days)	01
3	Prof. F. S. Kazi coordinated Online Training Course on Water Quality studies using Hyperspectral Remote Sensing for the Indian Coastal and Inland Waters organized by IIRS Dehradun	05 th Aug 2022 (1 Day)	09

7) INSTITUTE SOCIAL RESPONSIBILITIES (ISR) ACTIVITY

Following Faculty members have delivered sessions at various polytechnics for the student's development. The details are mentioned in the following table.

Details of Lecture conducted at Polytechnic Institutes:

Sr. No.	Name of Faculty	Topic	Date	Name of Institute	Class
1	Prof. S. Kulkarni R.	Session on Career Guidance	16 th Mar 2022	S.E.S Polytechnic, Solapur.	TY
2	Prof. R. G. Maske	Session on Career Guidance	11 th Mar 2022	Vishveshwarya Polytechnic, Ausa Dist. Latur.	TY
3	Prof. R. G. Maske	Session on Career Guidance	11 th Mar 2022	Sandipani Technical Campus, Latur	TY
4	Prof. A. Y. Kankuntla	Session on Career Guidance for TY & SY Students	11 th Mar 2022	Govt. Polytechnic, Solapur.	TY

8) SHORT TERM COURSE/CONFERENCE/WORKSHOPS ATTENDED/ ORGANISED BY OUR FACULTY MEMBERS

To cope up with the recent technologies and advancement in the field of Civil Engineering, following Faculty members have attended Workshops, Seminars and Short-term training programs at various Institutes.

- Dr. J. B. Dafedar attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Dr. S. B. More attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Dr. V. K. Patki attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Dr. S. S. Jahagirdar attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Dr. S. S. Jahagirdar attended in 2 days Training Programme on 'Quality Assurance and Quality Control of Air Quality Monitoring and Analysis for Field and

Laboratory Staff under NAMP/SAMP' Conducted by VNIT, Nagpur. (24th & 25th April 2023).

- Dr. S. S. Jahagirdar attended Start-up Entrepreneurship workshop on topic "Clean Water Technologies from BARC" at Atal Incubation Center BARC, Mumbai. (29th Mar 2023).
- Dr. S. S. Jahagirdar attended International Conference on Sustainable Infrastructure: Innovations, Opportunities and Challenges (SIIDC 2023) at NITK, Surathkal. (20th Apr & 21st Apr 2023).
- Prof. S. R. Nirantar attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Ashok Kankuntla attended online one week FDP on Inculcating Universal Human Values in Technical Education. (18 Jul to 22 Jul 2022)
- Prof. Kulkarni G. J. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Pawar D. S. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Kale S. M. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Maske R. G. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Thavare R. M. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Kulkarni S. R. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Phand S. S. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Rajgiri D. N. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Salimath V. A. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Maniyar F. K. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Kazi F. S. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Jamdar A. S. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Jamdar A. S. attended online one week FDP on Inculcating Advanced Pedagogy in Technical Education. (29 Aug to 03 Sep 2022)
- Prof. Vadnal P. A. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Vadnal P.A. attended online one week FDP on Inculcating Advanced Pedagogy in Technical Education. (29 Aug to 03 Sep 2022)
- Prof. Sangave A. A. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Sangave A. A. attended online one week FDP on Inculcating Advanced Pedagogy in Technical Education. (29 Aug to 03 Sep 2022)
- Prof. Patil R. A. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Patil R. A. attended online one week FDP on Inculcating Advanced Pedagogy in Technical Education. (29 Aug to 03 Sep 2022)
- Prof. Badeghar R. R. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).

- Prof. Badeghar R. R. attended online one week FDP on Inculcating Advanced Pedagogy in Technical Education. (29 Aug to 03 Sep 2022)
- Prof. Joshi S. K. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Kendre G. T. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).
- Prof. Pataskar A. P. attended two Days Hands - On Professional Workshop on Building Planning Management System (BPMS) conducted at NKOCET, Solapur. (10th June to 11th June 2023).

9) PARTICIPATION IN NPTEL COURSES

National Programme for Technology Enhanced Learning (NPTEL) is a joint initiative of IITs and IISc to offer online courses and certification in various domains with the motive **learn for free, pay a small fee to write an exam and get a certification.** I am happy to mention here that our students are actively participating in many NPTEL courses. The participation details for academic year 2022-23 are as follows:

Sr. No.	NPTEL Course	No. of Students Registered
1	Design Of Steel Structures	TY-03
2	Fundamentals Of Artificial Intelligence	TY-01
3	Municipal Solid Waste Management	TY- 02
4	Air Pollution and Control	TY- 01
5	Maintenance and Repair of Concrete Structures	B. Tech- 25
6	Remote Sensing Essentials	B. Tech- 56
Total Students		88

10) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENTAL & INSTITUTIONAL ACTIVITIES:

There has been active participation of our faculty members in departmental and Institute level activities. The details are as follows:

Sr. No	Name of faculty	Contribution
1	Dr. S. B. More	Member of Library Committee Student Council Committee ISTE Coordinator

		Head, Dept. of Civil Engg. Core- Committee member Grievance Redressal Committee Member
2	Dr. V. K. Patki	Dept. NBA coordinator Core- Committee member Grievance Redressal Committee Member Dept. NAAC Cordinator
3	Dr. S. S. Jahagirdar	Dean R&D Patent and Incubation
4	Prof. S. R. Nirantar	Proctor Co-ordinator AMC Coordinator Discipline and attendance monitoring coordinator Women empowerment and redressal cell coordinator
5	Prof. D. S. Pawar	Overall exam Coordinator
6	Prof. S. M. Kale	PG coordinator CESA coordinator Advertisement and Publicity coordinator
7	Prof. S. R. Kulkarni	Institute area & bldg. plans & campus development, green campus, Landscaping Co - Curricular and Extra - curricular activity coordinator
8	Prof. G. J. Kulkarni	Institute area & bldg. plans & campus development, green campus, Landscaping Fire- Fighting coordinator Industry connect and sponsored project coordinator PTA coordinator Discipline and attendance monitoring coordinator
9	Prof. A.Y.Kankuntla	Website coordinator Overall Diploma Connect coordinator
10	Prof. F. K. Maniyar	Assistant Rector Gents Hostel Project coordinator Orchitect coordinator
11	Prof. R. G. Maske	Training and Placement coordinator Internship coordinator
12	Prof. V. A. Salimath	NIRF coordinator
13	Prof. F.S. Kazi	Departmental meeting coordinator Newsletter coordinator
14	Prof. A.S. Jamdar	Student Welfare coordinator
15	Prof. P.A. Vadnal	Cultural Activity Department data coordinator
16	Prof. R.A. Patil	Bus Facility Co-ordinator

REPORT

Civil Engineering Department

		CII coordinator
		Alumni coordinator
17	Prof. A. A. Sangave	NPTEL coordinator
		Budget coordinator
18	Prof. A.P. Pataskar	Professional (membership and program) coordinator
		FDP and STTP coordinator
		Career counselling coordinator
		Feedback coordinator
19	Prof. S.K. Joshi	Student extension activity coordinator
		Archive coordinator

11) PARTICIPATION OF STUDENTS IN VARIOUS COMPETITIONS

Following Students bagged prizes in paper presentations and other technical competitions held by various institutes in academic year 2022-23.

Sr. No.	Name of student & Class	Competition	Organized by	Prize
1	Mr. Shoaib Sayyad Mr. Sourav Pawar Mr. Parth Abhangrao Mr. Padma Govindraj (B.Tech.)	BGMI	AGTECH FEST AGPIT, Solapur	First
2	Mr. Rayyad Ustad Mr. Akash Sarvade	Auto CAD War	AGTECH FEST AGPIT, Solapur	Second
3	Mr. Rayyad Ustad (B.Tech.)	Paper Tower	AGTECH FEST AGPIT, Solapur	Second

12) CIVIL ENGINEERING STUDENTS ASSOCIATION (CESA) ACTIVITIES

a) CESA Committee Members:

Following students have worked as office bearers of Civil Engineering Students Association (CESA) for the academic year 2022-23.

Sr. No.	Post	Name of Student
1	President	Akash Sanjeevkumar Sarvade
2	Vice-President	Raj Yalappa Alwal
3	General Secretary	Shubhangi Balkrishana Zendage

Sr. No.	Post	Name of Student
4	Joint Secretary	Rushikesh M Padma
5	Joint Secretary	Aniruddh Balasaheb Bhawal
6	Treasurer	Shahid Korbu
8	Assistant Treasurer	Praveen Pawar
9	Assistant Treasurer	Sahil Arenavaru
10	Assistant Treasurer	Samarth Survase
11	Cultural Coordinator	Sanchi Shinde
12	Assistant Cultural Coordinator	Chandrika S Nimbale
13	Assistant Cultural Coordinator	Swarali Pawar
14	Sports Coordinator	Yashraj Mane
15	Publicity Secretary	Suhas Devkate
16	Technical Committee	Shoaib Sayyad
17	Technical Committee	Reure Shivanad Prakash
18	Technical Committee	Atharv Nilkanth Shete
19	Technical Committee	Shinde Rohini
20	Technical Committee	Rohan D Kudgunte
21	Food Coordinator	Shridhar Gaikwad
22	Discipline Head	1. Prasad Sunil Pawar 2. Rakesh V Metre
23	Anchoring Head	Abijeet Khune

b) Events Organized by CESA :

Following Expert lectures and Events were conducted for the students through the CESA.

Sr. No.	Topic	Resource Person & Date
1	Effective use of MS Project	Mr. Chetan Shivchalappa (10/03/23)
2	Business Deals	Mr. Akshay Vitthal Yeole MD, Samarth Construction & Contractor (20/03/23)

Sr. No.	Topic	Resource Person & Date
3	Career Guidance	Shri Shree Krishna Galgali Retd. Chief Engineer, NTPC Solapur (21/03/2023)
4	Importance of Software for Civil Engg.	Mr. Hitesh Lahoti (27/03/23)
5	Construction Process	Mr. Ravindra Jagtap GM/ Head Business & Operation Durocrete Engineering Solution Pvt. Ltd. (3/5/2023)

15) DEPARTMENT ADVISORY BOARD (DAB)

Civil Engineering Department has formed Department Advisory Board (DAB). Following are the member of DAB Committee

Sr. No.	Name of DAB Member	Designation	Name of Institute/Company
1	Dr. J. B. Dafedar	Principal	NKOCET, Solapur
2	Dr. S. B. More	HOD	NKOCET, Solapur
3	Dr. Katta Venatrammana	Professor	NITK, Surathkal
4	Dr. Shrihari	Professor	NITK, Surathkal
5	Dr. Bakul Rao	Professor	IIT, Bombay
6	Dr. Munavalli	Professor	WCE, Sangli
7	Dr.K.S.Gumaste	Professor	WCE, Sangli
8	Er.Rajesh Bhate	Director	Raje and Bhate Associates Pune
9	Er. Bajaj	Director	IEI Belapur, Navi Mumbai
10	Er. Satish Nawale	Dy. Director	Shinde Developers,Pune
11	Er. Solamon	Director	IEI Belapur, Navi Mumbai
12	Er. Om Darak	Practicing Engineer	Secretary, ISSE, Solapur
13	Er. Sidhant Pawar	BIM Trainer	Thinktech Engineers, Pune
14	Er. Rohan Shiral (Alumni)	Deputy Engineer	Mumbai Metro Rail Co. Ltd.
15	Er. Ravi Shetti (Alumni)	Senior Engineer	Aspire Projects & Services Oman

16) PROGRAM ACADEMIC COMMITTEE DETAILS

Program Academic Committee (PAC) at the department level is formed. PAC monitoring academic activities throughout the academic year. The composition of PAC is as follows.

Sr.	Module/ Domain Coordinator	Module/Domain
1	Dr. S. B. More	Head, Dept. of Civil Engg. & Geotechnical Engg.
2	Dr. V. K. Patki	Overall Departmental Program Academic Committee Coordinator &
3	Dr. S. S. Jahagirdar	Environmental & Water Resource Engg.
4	Prof. P. A. Sangave	Structural Engg.
5	Prof. G. J. Kulkarni	Transportation Engg.

17) PG ACTIVITY

Department of Civil Engineering has changed title of PG course from Structural Engg. to **Computer Aided Structural Analysis & Design**. In last 5 years **58** students have enrolled for PG in Structural Engineering from the Department of Civil Engg.

18) WOMEN EMPOWERMENT ACTIVITY

Department of Civil Engineering has conducted an awareness meeting & discussion with TY & B. Tech civil engineering girl students was conducted by Prof. Shalaka Nirantar & Prof. Priyanka Vadnal on 5 th Dec'2022 in Seminar Hall Civil Building from 2pm to 3pm. The meeting was planned by Head of the Department Dr. S. B. More in which 50 girl's students were present for the meeting.

(Dr. S. B. More)
Head
Department of Civil Engineering



It gives me great pleasure to present an overall report of Computer Science and Engineering Department for the academic year 2022-23.

1) ACADEMIC PERFORMANCE:

The department achieved excellent results. SY, TY and Final year B.Tech results of academic year 2022-23 are as follows:

a) Class wise Results:

SY	: 70 %
TY	: 67 %
Final Year	: 85 %

b) Student Achievements:

1) Our team won the Gold Medal at University Level Zonal Avishkar competition for research project on AI based crop recommendation system. The team members were Mr. Chinmay Lale, Ms. Vaishnavi Chavan, Ms. Aayshaya Homkar and Ms. Shambhavi Mhamane under the guidance of Dr. V. V. Bag.

2) Our Second team won the Silver Medal at University Level Zonal Avishkar competition for humanities, language and fine arts category. The team members were Mr. Chinmay Lale, Ms. Vaishnavi Chavan, Ms. Aayshaya Homkar and Ms. Shambhavi Mhamane under the guidance of Prof. M. S. Otari.

3) The team from TE CSE participated in final competition of “Hacking Paradox” has awarded winner in domain of Artificial Intelligence and Machine Learning in National level event Brain– IT on 1.0 held on 24th & 25th April 2023. The team members were Kedar Swami, Pruthvi Rathod, Veerkushna Dalvi and Satyam Chillal.

4) Top Performing certificate is awarded to Mr. Yuvraj Anand Ramdurg for NPTEL Online Certification

Course on Programming in Java- with 91% marks conducted during period of Jul-Oct- 2022.

5) Ms. Yashawini Awate our final year student is nominated of B. Tech CSE as “Best Outgoing Student” of NKOCET & Department of Computer Science & Engineering for outgoing batch of A.Y. 2022-23.

c) Faculty Achievements

1) Dr. V. V. Bag has published patent titled as AI based crop recommendation system.

2) Dr. V. V. Bag has published patent titled as Design of an ROV to find dead bodies underwater.

3) Top Performing Mentor certificate of Appreciation is awarded to Prof. V. D. Gaikwad in recognition of his role as mentor for the NPTEL Online Certification Course IIOT 4.0 conducted during period of Jan-Apr-2023

4) Prof. S. C. Papade Published patent on IOT Environment Based Development of Smart Healthcare Monitoring System.

5) Prof. M. B. Rangdal granted patent Entitled as Holographic Traffic Light in Design Accepted and Published, Journal No is 10/2023 and Journal Date is 10/03/2023.

6) Dr. M. B. Patil worked as Reviewer at the 3rd International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2023 organized by the National Institute of Technology, Arunachal Pradesh.

7) Dr. M. B. Patil for Serving as a reviewer in the 2nd international Conference on The Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PEMS 2023) organized by Visvesvaraya National Institute of Technology, Nagpur, India held during 5th & 6th April 2023.

d) Faculty Publications

Our Institute motivates Faculty members to publish their research in National and International Journals. The details of Publications are as follows.

1) Dr. V. V. Bag & Dr. M. B. Patil both have Published a Paper entitled “Crop Leaf Disease Detection in Soybean Crop Using Deep Learning Technique” in Techno-Societal 2022 -Spinger Scopus indexed.

2) Dr. M. B. Patil has Published Paper Entitled “A Novel Approach for Optimization of handover mechanism using metaheuristics algorithms, Elsevier Journal- Measurement: Sensors (Scopus indexed).

3) Dr. M. B. Patil has Published a Paper entitled “Improved Q-Reinforcement Learning Based Optimal Channel Selection in Cognitive Radio Optimal Channel Selection in Cognitive Radio Networks” International Journal of Computer Networks & Communications (Scopus Indexed).

4) Prof. V. D. Gaikwad has Published a Paper entitled Wireless Sensor Network Scopus & SCI indexed Springer Journal on Feb/March 2023.

5) Prof. S. C. Papade has Published Paper Entitled as “Customized Bot For Educational Institute” in International Journal of Innovative Science & Research and Technology , Volume 8, Issue 1, Jan – 2023, ISSN No-2456-2165

6) Prof. S. C. Papade has Published Paper Entitled as Design And Analysis Of Geographical Attendance Tracking System in International Journal of Engineering and Management Research, Vol. 13, Issue 2, Apr 2023.

7) Dr. M. B. Patil has proudly presented to in recognition of the review made to Indonesian Journal of Electrical Engineering and Informatics (IJEI), ISSN 2089-3272 for the paper Spectral Efficiency Enhancement Using Hybrid Pre- Coder Based Spectrum Handover Mechanism on 12th July 2022.

2) STUDENTS’ PLACEMENT

Prof. Dudhanikar S.D is working as T & P Coordinator for the Computer Science & Engineering Department. One Hundred and thirty seven (137) Students are selected by various MNC companies of academic year 2022-23.

Sr. No.	Name of Company	Number of Students selected
1	TIAA	14
2	Hexaware	2
3	Hexaware	21
4	TCS Digital	8
5	TCS Ninja	16
6	Sciqus Internship	21

7	Jaro Education	3
8	QSpider Internship	7
9	Softenger India Pvt. Ltd.	3
10	Quality Kiosk	1
11	Sankey Solutions	1
12	KiwwKoders Internship	8
13	Cyber Success Internship	7
14	Parent Pay India Pvt. Ltd.	4
15	Kanaka Software	2
16	Code First Internship	3
17	Core Integra	2
18	IDBI Intech	3
19	Kiran Academy	2
20	Pentagon Space Internship	4
21	Deloittee	1
22	Dynomerk Control, Pune	2
23	KodNest Technologies Pvt. Ltd	2
24	Yardi Software	1
25	FIS Solutions (India) Private Limited	1
Total		137

3) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPT. & INSTITUTE ACTIVITIES:

Sr. No.	Portfolio	Faculty Name
1	HOD CSE	Dr. V. V. Bag
2	HOD AI&DS	Dr. M. B. Patil
3	Class Coordinator	SY-A Prof. S. S. Konda
		SY-B Prof. S. S. Kumbhar
		TY-A Prof. P. D. Jawalkar
		TY-B Prof. S. D. Patil
		BE-A Prof. A. R. Gyanbote
4	Prof. M. S. Otari	1.ERP Coordinator
		2. NBA & NAAC Coordinator
		3. Departmental R & D Coordinator
		4. DAB Incharge
		5. Operating System Lab Incharge
5	Prof. Z. M. Shaikh	1. IT Head
		2. Hackathon / Project / Programming Competition Coordinator
		3. Web Programing Lab Incharge
6	Prof. S. C. Papade	1. Diploma Connect Coordinator
		2. Department Magazine Coordinator

		3.Computer Programming Lab-I Lab Incharge 4. Test Coordinator
7	Prof. M. B. Rangdal	1. Dept Cultural Coordinator 2. AMC Coordinator 3. Library coordinator 4. Network Lab incharge
8	Prof. P. D. Jawalkar	1. CSESA Coordinator 2. Computer Programming Lab-II Lab Incharge
9	Prof. S. D. Dudhanikar	1. T & P Coordinator 2. Zensar Coordinator 3. Project- I & II Lab Incharge
10	Prof. A. S. Adhatrao (AIDS Dept.)	AIDS Dept. responsibility
11	Prof. S. D. Patil	1. Proctor Coordinator 2. Dept. Library 3. POE Coordinator 4. Database Lab Incharge
12	Prof. S. S. Konda	1. Time Table Coordinator
13	Prof. V. D. Gaikwad	1. Remedial Exam Coordinator 2. Social Media Coordinator 3. NIRF Department Coordinator 4. Internship & Skill Development Coordinator. 5. Dept. Remedial exam coordinator 6. Internet of Things Lab Incharge 7. Artificial Intelligence Lab Incharge 8. Dept. ERP Coordinator
14	Prof. R. U. Shinde	1. Alumni Coordinator 2. PTA Coordinator
15	Prof. S. G. Sanmukh (AIDS Dept.)	AIDS Dept. responsibility
16	Prof.A. S. Powade	1. Department Website Coordinator 2. Project & Mini project Coordinator 3. CCF Lab Incharge
17	Prof. V. A. Sangolagi	1. N. C. C. Coordinator 2. Earn & Learn Coordinator

18	Prof. N. B. Aherwadi (AIDS Dept.)	AIDS Dept. responsibility
19	Prof. T. A. Kumasagi	Test Coordinator

4) INDUSTRY - INSTITUTE INTERACTION

Department is having strong Industry-Institute interaction cell. Under that following activities were organized.

- Under Zensar Employability Skill Development (ESD) Program 152 Students of TE CSE were trained on Verbal & Aptitude Training.
- Under Zensar Employability Skill Development (ESD) Program 114 Students of TE CSE were trained on Core Java Training.
- GTT (Global Talent Track)- Five days Python Programming workshop for SE CSE class on 23rd To 27th Jan 2023.
- Dr. V. V. Bag & Dr. R. R. Patil attended Industry Institute Conclave at TIAA, Mumbai.
- Dr. V. V. Bag, Prof. Z. M. Shaikh, Prof. V. D. Gaikwad and Prof. A. S. Pawade attended Faculty Development Program on Quantum Computing on 27th June 2023 at Zensar Technologies, Pune Development Center.

4.1 Department Advisory Board

To improve the quality of teaching learning, projects, internship and placement, DAB i.e. Department Advisory Board is established for continuous guidance and improvement in various activities. The board members are senior academicians and experts and leaders in software industries. The DAB members are as follows:

Sr. No.	Name of DAB Member	Designation & Organization
1.	Dr. P. J. Kulkarni	Professor, WCE, Sangali
2.	Dr. R. B. Kulkarni	Associate Professor, GCOE, Karad
3.	Mr. Pratap Sanap	Associate Principal, Data Science L&T InfoTech, Pune
4.	Mrs. Achal Patel	CEO, Eywa Solutions

5.	Mr. Laxmikant Kathare	CIO, Improsys, Pune
6.	Mr. Shantanu Phatak	ESD Co-ordinator Zensar Technologies
7.	Mr. Amit Jambure	Staff Engineer, Nutonics Ltd
8.	Mr. Rohit Miragane	Sr. Software Developer, GS Lab

4.2 Internship & Project in Industry by final year students

Our final year students have completed full one semester internship in various industries. The details are as follows:

Sr. no.	Name of Company	Number of Students	Stipend
1	TIAA GBS, India	4	30000
2	Intellise IT Solapur.	4	7000
3	MultiGenesys	1	3000
4	CDAC Pune Maharashtra	1	
5	Cyber Success	5	
6	Hexaware Technologies Limited	8	
7	IDBI Intech Limited	2	
8	Jspider	6	
9	Kanaka Software, Pune	6	
10	Qspider	8	
11	Saama Technologies.	1	
12	Sciqus Infotech Pvt. Ltd.	12	
13	Vertex Technologies.	5	
14	YBI Foundation Data Science	1	
15	Katare Informatics	1	
16	Maxgen Technologies Pvt., Ltd	1	
17	REDGATES	1	
18	EMBEL Technologies Pvt Ltd	1	
19	iNeuron Intelligence Pvt Ltd	1	
	Total	68	

5) SHORT TERM COURSES / CONFERNCES / WORKSHOPS ATTENDED BY FACULTY MEMBERS:

To bridge the gap between recent technologies used in industries and the syllabus which is framed in the curriculum there is need to upgrade knowledge of faculty members. Following faculty members have attended Workshop, Seminar and Short term training programs at various Institutes and organizations.

a) Prof. S. C. Papade has conducted workshop on Java Programming on 10th Jan 2023 for SE CSE Class.

b) Prof. M. B. Rangdal participated in the workshop on “Designing and Modelling of IoT, AI & ML Systems” on 1st to 5th August 2022 organized by All India Council for Technical Education (AICTE)

c) Prof. S. D. Dudhanikar has participated & successfully completed the 5 day online FDP on “Inculcating Universal Human Values in Technical Education” on 11th to 15th July 2022 organized by All India Council for Technical Education (AICTE)

d) Prof. A. R. Gyanbote and Prof. A. S. Adhatrao have participated in the Professional Development Programme on ‘Advanced Pedagogy’ on 29th Aug to 03rd Sep 2022.

e) Prof. S. D. Dudhanikar has successfully completed NPTEL- AICTE Faculty Development Programme on “Accreditation and Outcome Based Learning”

f) Prof. S. S. Kumbhar has successfully completed of one week Faculty Development Program on “Amazon Web Services” on 22nd Aug To 27 Aug 2022.

g) Certificate of mentorship awarded to Dr. Vipul Bag for Mentoring students in preparing exhibits and developing working innovation model AI Based Crop Monitoring System. This project was presented at the CiiA-2 Innovation Exhibition & Competition, held on the 1st -3rd Feb 2023 at the Nehru Centre, Worli, Mumbai.

h) Dr. V. V. Bag and Prof. S. D. Dudhanikar has participated in a 5 day National level online Faculty Development Program on Artificial Intelligence/ Machine Learning/Deep Learning from 20th Feb To 24 Feb 2023 organised by the Department of Computer Science & Engineering at DRK College of Engineering and Technology, in association with Invictus Engineers, Hydrabad.

i) Dr. V. V. Bag, Dr. M. B. Patil, Prof. M. S. Otari, Prof. M. B. Rangdal, Prof. P. D. Jwalkar, Prof. S. D. Dudhanikar, Prof. S. S. Kumbhar, Prof. S. S. Konda, Prof. S. D. Patil Prof. S. C. Papade, Prof. S. G. Sanmukh these all faculties have participated 5 Days online Faculty Development Program on Data Science with Python organised by Shridevi Institute of Engineering and Technology in Collaboration with ExcelR. On 30th Jan To 3rd Feb 2023.

j) Prof. S. S. Kumbhar has successfully completed Faculty Development Program on Data Science held during on 7th To 8th Jan 2023 organized by BMIT, Solapur.

k) Prof. V. D. Gaikwad, Prof. S. S. Konda, Prof. A. R. Gyanbote, Prof. S. S. Kumbhar these faculties have participated in 5 Days online Faculty Development program on AWS (Amazon Web Services) organized by AVS Engineering College in Collaboration with ExcelR on 27th Feb To 3rd March 2023.

l) Prof. V. D. Gaikwad & Prof. S. S. Konda both have participated in the Faculty Development Program on “Innovative Teaching and Learning Pedagogy” Jointly organised by research and journals committee and IQAC, St. Paul Institute of Professional Studies Indore (M.P.), Research Foundation of India & RFI-CARE from 01-08 April 2023.

m) Dr. V. V. Bag, Prof. S. S. Konda & Prof. S. D. Dudhanikar, Prof. M. B. Rangdal and Prof. P. D. Jawalkar these faculties have and has successfully participated in the 5 Days National Seminar on Emerging Trends in Intelligent Computing, organized by school of Computer Science and Engineering, VIT-AP University, Amaravati from 14th March to 18th March 2023.

n) All CSE Faculties attended training on “NoSQL and Future Databases” organized AI& DS Dept. on 27th May 2023.

o) Prof. V. D. Gaikwad has Successfully Completed NPTEL-AICTE one and half week National Level online Training FDP on NATE from jan-Apr 2023.

p) Prof. V. D. Gaikwad has Successfully Completed NPTEL online certification 12-week course on NBA Accreditation & Teaching Learning in Engineering from jan-Apr 2023.

q) Prof. V. D. Gaikwad has Completed National Level 5-days online Training Program FDP on Universal Human Values organized by AICTE from 26th dec to 30th dec 2022.

a) CO-CURRICULAR COURSES, WORKSHOPS AND INDUSTRIAL TRAINING ARRANGED FOR STUDENTS:

a) Dr. P. J. Kulkarni, Retired Sr. Professor, WCE Sangali has conducted expert session on “Recent Trend in AI & ML” on 8th Sept. 2022 for TY CSE students.

b) Mr. Sachin Harihar, Senior Architect, KPIT Tech, Pune has conducted expert session on “Expectations of industry from budding IT engineers.” on 23rd Sep 2022 for students of CSE Dept.

c) Mr. Akshay Phadke Founder Yog Pharichay & Digilate, has conducted expert lecture on “Cyber Security” on 10th Nov. 2022 for all students of CSE Dept.

d) Mr. Narendra Joshi and Manjunath Kakalmeli, District Judge and Senior Lawyer, Solapur have conducted expert lecture on “One day awareness camp on Cyber law” on 30th Nov. 2022 for students of CSE Dept.

e) Mr. Suraj Nimbalkar Asst. Police Inspector, Cyber Crime Dept. Solapur has conducted lecture on “Cyber Crime awareness.” On 30th Nov. 2022 for students of CSE Dept.

f) Mr. Sidramappa Dharne has conducted lecture on “Patent awareness how to file patent on 8th Dec.2022.

g) Mr. Amey Tambe Director, SoftTech Data Securities, Pune has conducted online expert session on “BlockChain & DevOpps Development” on 14th Dec 2022 for BE CSE Students.

h) Mr. Rohit Kshirsagar & Ramiz Tamboli both have conducted expert lecture on “Expectation of industry from budding IT Engineers” on 24th Dec 2022.

i) Mr. Anand Jaju & Ms. Sneha Bhaiya both have conducted lecture on “How to grow family Business” on 24th Dec 2022 for CSE Dept. students.

j) Dr. Pratap Sanap Head- Research & Innovation Neilsoft Pune conducted expert session on “Roadmap for programming skill Enhancement & Hackathon” on 31st Dec 2022 for CSE students for CSE Students.

k) Mr. Vardhman Chatla & Usman Patel conducted expert lecture on “Use of competitive programming platforms codechef and Leetcode for placement.” on 5th Jan 2023 for TY CSE students.

l) Mr. S. A. Yemul Senior Consultant, Hitachi Vantara, Pune has conducted lecture on “Hands on Experiment Using JavaScript.” On 14th Jan 2023 for SY CSE students.

m) Mr. R. D. Uttarkar Associate Developer Nutonics Ltd, Pune has conducted expert lecture on “Introduction & awareness to open source software.” On 4th Feb 2023 for CSE students.

n) Mr. Abhijeet Kulkarni, Sr. Software Architect Sky UK, London has conducted lecture on “DevOps Skills” on 21st Feb 2023 for TY CSE students

o) Mr. Yujrvendra Mahajan, Founder & Director, Deepstambh Foundation, Jalgaon has conducted expert lecture on Motivational Speech on 2nd Feb 2023.

b) EXPERT LECTURES BY OUR FACULTY OUTSIDE THE INSTITUTE :

The institute motivates faculty members to deliver lectures outside the institution. Following lectures were delivered by our faculty members in various institutes in and around Solapur.

a) Dr. V. V. Bag worked as Resource person for one week Faculty Development Program on “ICT Tools & Techniques” at Phaltan College of Engineering, Phaltan.

b) Prof. M. S. Otari and S. C. Papade, delivered lecture on “About Institute & Career opportunities” after 12th in Bharti Vidhyapeeth Jr. College, Solapur.

c) NPTEL COURSES PURSUED BY STUDENTS

I am happy to mention here that our students are actively participated & completed many NPTEL courses. The participation details for academic year 2022-23 are as follows:

Sr. No.	NPTEL Course	No. of Students Registered
1	Deep Learning	90 (B. Tech)
2	Introduction to Industry 4.0 and Industrial Internet of Things	130 (B. Tech)

These students took credit transfer for above subject in their final year DBATU exam.

d) ACTIVITIES OF CSE STUDENT ASSOCIATION (CSESA)

a) **CSESA Committee:** Computer Science and Engineering Student Association (CSESA) is formed for co-curricular and extra-curricular development of students. Following students were nominated as office bearers of CSESA for the academic year 2022-23

Mr. Yash Mete (TY- A) – President

Mr. Sampada Tikale (TY- A) – Vice President

Ms. Ruchita Mangalaram (TY- A) - Secretary

Ms. Sanket Jamadar (SE-A) - Joint- Secretary

Mr. Dipak Kale (TY- A- Treasurer

Mr. Sanjana Yerate (TY-B) – Technical Coordinator

Ms.Rachana Mangalaram (TY -A) – Event Manager

b) Activities conducted:

Sr. No.	Activities Conducted	Date
1.	Teacher’s Day Celebration	5 th Sep 2022
2.	Guest Lecture on 'Recent trends in AI and ML'	8 th Sep 2022
3.	TechFest + CSESA Inauguration	23 rd Sep 2022
4.	Vachan Prerna Diwas	15 th Oct 2022
5.	Ek Diva Manuskicha	22 nd Oct 2022
6.	Diwali Sparkle 2k22	28 th Oct 2022
7.	Unity Day	31 st Oct 2022
8.	Fresher's 2k22	25 th Nov 2022
9.	International Women's Day	8 th March 2023
10.	ORCHATHON '23	1 st April 2023
11.	Shantai Orphanage Donation	15 th April 2023
12.	Seniors Farewell	27 th May 2023

“THE BEST VIEW

COMES AFTER THE

HARDEST CLIMB”

(Dr. V.V. Bag)

Head, Department of Computer Science and Engineering



It gives me immense pleasure to present the annual report of E&TC Engineering department, which includes various activities and achievements during the academic year 2022-23. It is the TEAM work that has made the difference.

At the starting of odd as well as even semester, orientation sessions were conducted for each class by the Head of Department, Class Coordinators, Training & Placement Coordinator,

GATE & Career Counseling Coordinator and Industrial Training coordinator. These orientation sessions have helped the students to understand the academic, co-curricular and extra-curricular requirements and the activities to be performed.

This ensures that students are well prepared for placements and other career opportunities by the time they enter the final year.

1) ACADEMIC PERFORMANCE (ACADEMIC YEAR 2021-22)

B.Tech.(E&TC)

- **Class result: 100%**
- The first five rankers of B.Tech. areas follows.

Rank	Student Name	%
1	Putale Arpita Aravind	85
2	Burla Neharika Shrinivas	84.67
3	Hiremath Shravani Krishna	82
4	Nalla Rajesh Narendra	81.33
5	Patil Nikita Mahesh	80.67

TY(E&TC)

- **Class result: 100%**
- The first five rankers of TY are as follows.

Rank	Student Name	%
1	Chavan Abhinay Umesh	95
2	Korbu Saniya Salim	94.6
3	Rangrez Uzma Naaz Mehboob	94.6
4	Aishwarya Gurunath Awatade	94.6
5	Vijapur Meghana Rajshekhar	92.2

SY(E&TC) A Div

- **Class result: 100%**
- The first five rankers of SY areas follows.

Rank	Student Name	%
1	Parmali Mangesh Machindranath	81.29
2	Shaikh Farheensaba Nisar Ahmed	76.14
3	Mudgundi Laxmi Venugopal	73.43
4	Mergu Yogita Rajesh	73.14
5	Galpalli Bhagyashri Balkrushna	72.86

SY(E&TC) B Div

- **Class result: 100%**
- The first five rankers of SY areas follows.

Rank	Student Name	%
1	Pathan Farheen Khanam Arif Khan	88.00
2	Boga Laxmi Shrinivas	87.57
3	Biradar Mallikarjun Muttanna	83.43
4	Kalaburgi Vaishnavi Santosh	83.00
5	Kondubhairi Trupti Dattatray	77.43

Best outgoing student:

Based on the academic performance, co-curricular activities and extra-curricular activities, **Mr. Abhinay Chavan** has been selected as the best outgoing student of E&TC department for the academic year 2022-23.

2) TRAINING & PLACEMENT

The Training & Placement cell is taking utmost care for the placements and providing ample opportunities to the students. Soft skill and Aptitude sessions are added in daily

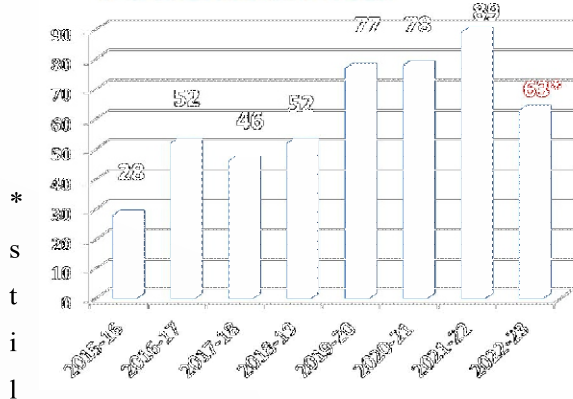
REPORT

E&TC Engineering Department

timetable for all the classes. Various activities were conducted in a planned manner, which are as follows.

- Pre-Placement Workshop was conducted for Final Year students on General Aptitude and Interview Techniques by in-house aptitude trainer and soft skill trainers.
- Special classes were conducted for TY students on general aptitude and soft skills by external agencies.
- For overall personality development of students, additional lectures on soft skills and aptitude were included in regular class timetable.
- Well planned company specific trainings were conducted before every Placement drive. As a result, total 63 students of Final year (E&TC) have been placed in different multinational and core companies still

No. of Students Placed



l ongoing

Drives of different companies are still in progress at the time of this report writing.

3) DEPARTMENT ADVISORY BOARD (DAB)

The aim of DAB is to review and enhance the quality of Curricular, Co-curricular, Extra-Curricular Activities, Student Internships

and Placements.

DAB meetings are conducted in online as well as offline mode to take valuable suggestions from DAB members.

Members of DAB committee are as follows:

Sr. No	Name	Designation & Company/Institute
1	Mr. P. Chandrasekar	Director, Technique Design Group, Secunderabad
2	Mr. Pradip Dhage	COO, STPINEXT INITIATIVES, Bengaluru
3	Mr. R.M. Deshmukh	Head- IT Dept., Volkswagen, Pune
4	Mr. Amar Pol (Alumni 2012)	Senior Embedded Engineer, John Deere, Pune
5	Mr. Ravi Shidore	Director, Shidore Microsys, Pune
6	Dr. Satish Ket	Professor (CSE), R.G.I.T., Andheri (W), Mumbai
7	Mr. Raj Salunkhe	Director, PMS Robotics, Pune
8	Dr. M. M. Sardeshmukh	HOD (E&TC Engg), J.S.P.M., Narhe, Pune
9	Prof. S.S. Dhotre	NKOCET, Solapur
10	Prof. Roshan Pushpan	NKOCET, Solapur

All faculty members of the department are also members of DAB.

4) PROGRAM ACADEMIC COMMITTEE (PAC)

The main objective of PAC is to improve and monitor the quality of teaching-learning process. The Program Academic Committee is formed with the following members:

Sr. No.	Module	Module Coordinator
1	Analog Electronics	Prof. A. A. Chandanshive
2	Basic Communication Engineering	Prof. S. S. Dhotre

3	Advanced Communication	Prof. Roshan Pushpan
4	Embedded Systems	Prof S. V. Bag
5	VLSI	Dr. P. D. Bahirgonde
6	Signal Processing	Prof. A.I.Nadaf
7	Computer Programming	Prof.U.A.Bongale
8	Mini and Major Projects	Prof. R. S. Bakare

Scope of PAC: The program academic committee plays an important role in ensuring the quality of course delivery and assessment.

The PAC members have worked actively to ensure:

- The teaching plans are in place before commencement of classwork.
- Mapping of lecture outcomes drafted by course coordinators are in line with course outcomes.
- Course outcomes drafted by the course coordinators are in line with the program outcomes.
- Mapping of course outcomes and program outcomes.

5) FACULTY PUBLICATIONS

- Dr. V. S. Shirwal** "IoT based smart traffic control and ambulance clearance system" This paper is presented and published in 40th GISFI STANDARDIZATION SERIES MEETING Jointly with International Conference on 6G And Wireless Network Technologies organized by Kolhapur Institute of Technology's College of Engineering (Autonomous), Kolhapur on 3-5 April 2023.
- Prof. R. S. Bakare** "User Interface Test in using Selenium WebDriver tool in Java" Published paper in UGC care journal on 8th Jan 23 ISBN-13-979-8372932128.
- Prof. A. I. Nadaf** published a research paper in International Conference on commu-

nication, devices and networking 2021 entitled as "Decision tree based classification of SEMG and accelerometer data of sign language".

- Prof. U. A. Bongale** published "Design And Implementation of Real-Time Web-Based Vehicle Tracking System Using Sim." Journal of Pharmaceutical Negative Results (2022): 2822-2828.
- Prof. S. R. Mulmane** published paper "Cloud based Smart Digital Water Billing Meter" Journal of Pharmaceutical Negative Results Volume 13 Special issue 10 (2022).
- Prof. S. A. Kashid** published Performance comparison of feature extraction method for Facial Expression Recognition" International Conference on 6G and wireless network technology, organised by KIT Kolhapur on 03-05, March 2023.
- Prof. S. A. Kashid** published "Performance Comparison of DNN and SVM classifier for face expression recognition" International Conference ICIEECE-2023 organised by Si. ANN's College of Engineering and Technology Chirala on 08-09 January 2023.
- Prof. S. A. Kashid** published "Development of Android Application for Doctor's Appointment" International Conference ICIEECE-2023 organised by Si. ANN's College of Engineering and Technology Chirala on 08-09 January 2023.
- Prof. S. A. Kashid** published "A Review of human facial expression recognition systems applied for wild dataset in last decade" at AIP Conference Proceedings on 31 Oct 2022.
- Prof. A. G. Dhanshet** published paper "Microcontroller Based Material Shifting Robotic Arm" Journal of Pharmaceutical Negative Results Volume 13 Special issue 10

(2022).

6) SHORT TERM COURSES / CONFERNCES / FDP / STTP / NPTEL COURSES BY FACULTY MEMBERS S

Faculty members have enthusiastically attended different workshops, STTPs and FDPs in online as well as offline mode, details are given below.

Name	Title of the FDP / professional development / administrative training program	Dates
Mr. Dhotre S. S.	One week online STTP on "Machine Learning", organized by Dept of IT, Sinhgad Institute of Technology, Lonavala.	7th to 11th Dec 2022
Mrs. S.V.Bag	One week FDP on Artificial Intelligence/Machine Learning/Deep Learning	20/02/23 to 24/02/23
Mr. Bakare R. S.	NPTEL Course on Speaking Effectively	Jan-Mar 2023
Mr. A.A. Chandanshive	NPTEL courses on "Computer Vision and Image Processing-Fundamental and Applications "	Jan-Mar 2023
Ms.Bongale U.A.	One Week Faculty Development Program on "Internet of Things-Industry 5.0" Organized by SINHGAD INSTITUTE OF TECHNOLOGY, LONAVALA	20 TO 24 FEB 2023
Mrs. Kashid S. A.	NPTEL course on "Accreditation and Outcome based Learning"	Aug-Oct 2022
Ms. S.S. More	NPTEL course on "Accreditation and Outcome based Learning"	Aug-Oct 2022

7) WORKSHOPS CONDUCTED FOR STUDENTS

- "Arduino workshop" for S.Y. students
- Date: 1st October 2022.
- Workshop Coordinator :
 - Prof. R.S.Bakare
 - Resource Persons:
 - Prof. Roshan Pushpan
 - Prof. S.R. Mulmane
- Prof. Vaibhav Nema
- No. of participants: 68

• Workshop on "C Programming" for students

- Date: 14th October 2022
- Workshop Coordinator: Prof. R. S. Bakare
- Resource Person: Mr. Pataskar
- Class: SY
- No. of participants: 68

8) INDUSTRY CONNECT

A) Students Industrial Training and Internships

Industrial training helps to make students industry-ready by exposing them to new technologies and engineering methodologies. Also, it provides a great platform to students for exposure to an industrial atmosphere & ethics.

Final year students are undergoing their internships of one semester in various industries listed below:

Sr. No	Name of Industry	No. of Students	Stipend (Rs.)
1	Vector India Pvt Ltd, Hyderabad	1	Nil
2	GAO Tek Inc, USA	1	Nil
3	Fourfront Pvt. Ltd, Pune	1	10000/-
4	OEN India Ltd, Pune	22	10000/-
5	Maxgen Technology Pvt	1	Nil
6	Vigyan Ashram, DIC, Pune	1	15000/-
7	The Kiran Academy, Pune	3	Nil
8	KATARE INFORMATICS, Solapur	1	Nil
9	PENTAGON SPACE PVT.LTD Bangalore	1	Nil
10	CYBER SUCCESS, Pune	4	Nil
11	GREENGOLD, Jaysingpur	1	Nil
12	Javaby Kiran, Pune	1	Nil
13	Mind Born Software Solutions Solapur	10	Nil
14	TCS, Pune	3	Nil

Sr. No	Name of Industry	No. of Students	Stipend (Rs.)
15	Globus Thenken, Pune.	1	15000/-
16	iNeuron Intelligence Pvt. Ltd, Bangalore	1	Nil
17	L&D INFOTECH PVT. LTD, Pune	2	Nil
18	Kwick Coder, Pune	1	Nil
19	Code World , Solapur	1	Nil
20	Sampanna Bharat Software Solution, Solapur	1	Nil
21	Codefeast, Pune	4	Nil
22	MAVEN Silicon, Bangalore	2	Nil
23	Salgem Info Tech Pvt. Ltd., Solapur	1	Nil
24	Naresh technologies, Hyderabad	2	Nil
Total students		67	

B) Industry Visit

A study tour for TY students was undertaken to Dudh Pandhari & Srujan Food Pvt. Ltd. on 02/04/2023. This visit was mainly focussed on to understand the advanced technology used in manufacturing, Processing & Packing of products.

Outcome of Industrial visit

The advanced technology and the equipment used for manufacturing, Processing & Packing of products.

- The various sensors used at milk processing Industry were explained.
- Discussion on the difficulties faced and possible solutions to overcome these difficulties was held.

C) EXPERT LECTURES BY EMINENT PERSONALITIES FROM VARIOUS FIELDS

Students are exposed to the most recent developments in technology through expert talks by different experts from industry. The details

areas follows:

Class:-S.Y.			
Sr. No	Resource Person	Date	Topic
1	Mr. Akshay Phadke	02/11/22	Need of Cyber Security and Domains in Cyber Security
2	Dr. Ajay Deshmukh (Bhaskaracharya Prathishthan, Pune)	26/05/23	Importance and Applications of different Distribution Functions
Class:-T.Y.			
Sr. No	Resource Person	Date	Topic
1	Mr. Santosh Bhandarkavathe (Founder IoT, Solapur)	13/10/22	How to choose project title, Literature Review, Product Design Life Cycle
2	Mr. Akshay Phadke	02/11/22	Need of Cyber Security and Domains in Cyber Security
3	Mr. Suhas Swami (J.T.O BSNL, Solapur)	09/05/23	Mobile & Digital Communication

9) ASSOCIATION OF ELECTRONICS & TELECOMMUNICATION STUDENTS (AEXS)

The department has an active student association – AEXS, which provides a platform for students' overall development. Through AEXS, various extra-curricular activities were organized. The details of the activities organized areas follows:

Sr.No.	Activities conducted	Date
1	Guru Purnima	13/07/22
2	Teacher's Day	06/09/22
3	Engineer's Day	19/09/22
4	Guest lecture on "Cyber security"	02/11/22
5	Department's Technical event "Espark 2022"	29/11/22
6	Fresher's Welcome	06/12/22
7	Farewell to Final year students	27/05/23

Office Bearers of AEXS areas follows:

- President
Mr. Pritam Hinge

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E&TC Engineering Department

- Vice-President
 - 1) Mr. Shashank Bugadi
 - 2) Mr. Mayur Zaveri
- Secretary & Co Secretary
 - 1) Mr. Amarnath Patil
 - 2) Ms. Priyanka Uttarkar
- Technical committee Head
 - 1) Mr. Raj Mhamane
 - 2) Ms. Nandini Modi
- Infogallery committee Head
 - 1) Mr. Abhishek Mane
 - 2) Ms. Madiha Shaikh
- Cultural committee Head
 - 1) Mr. Yash Talikoti
 - 2) Mr. Mayur Kamgonde
- Treasurer
 - Mr. Pramod Umbarje
 - Mr. Shashank Bugadi
 - Mr. Mayur Zaveri
 - Mr. Deepak Rathod
- Social Media & Photography Committee
 - Mr. Raj Mhamane

10) NPTEL COURSES

A lot of enthusiasm was observed in the students for online courses from NPTEL. Students registered for different courses for credit transfer and minor degree.

A) Credit Transfer from SWAYAM Platform Courses

As the All India Council for Technical Education (AICTE) has urged all universities and colleges to allow upto 20 percent credit transfer in every semester through the central government's SWAYAM, Students of final year are enrolled in following NPTEL courses on SWAYAM platform. Details of student enrolment is as given below.

Sr. No.	Class	NPTEL online course	No. Of students registered
1	Final Year B.Tech	Introduction to internet of things	39
2	Final Year B.Tech	Computer vision and Image processing	7

B) Honors and Minor Engineering Degree

Dr. Babasaheb

Ambedkar Technology University (DBATU) has announced Honors & Minor degree programs for students pursuing Bachelor of Technology as a major reform from the academic year 2020-21. DBATU, has become first of its kind in the State to have such a facility. Under this, students get to study two degrees with the program. While they can continue securing a degree in B.Tech, they can also opt for any minor program. While a student can opt for ENT Engineering as a main degree, the same student can go for Computer Science engineering as a minor degree. This will be a major boost to enhance student's employability.

11) CONTRIBUTION OF FACULTY

MEMBERS AT DEPARTMENT AND INSTITUTE LEVEL ACTIVITIES

There has been active participation of our faculty members in various department level and institution level activities, which is evident from the following table.

Sr. No.	Name of Faculty	Department and Institute responsibilities
1	Prof. S. S. Dhotre	<ul style="list-style-type: none">• Head of Department,• Chairman - Dept. Advisory Board• IQAC member• Member of Institute Innovation Cell• Member of Anti-Ragging Committee

2	Prof. I. I. Mujawar	<ul style="list-style-type: none"> • Dean (Student Counseling & Welfare) • PTA coordinator
3	Dr. P. D. Bahirgonde	<ul style="list-style-type: none"> • Dean (Academics) • NPTEL coordinator • R&D coordinator • Internal Complaint Committee Head
4	Prof. S. V. Bag	<ul style="list-style-type: none"> • POE & Test coordinator
5	Prof. Roshan Pushpan	<ul style="list-style-type: none"> • Training & Placement coordinator • Alumni coordinator • DAB Secretary • Suggestion Box Incharge*
6	Prof. R. S. Bakare	<ul style="list-style-type: none"> • CII coordinator* • AEXS coordinator • MOU coordinator
7	Prof. A. I. Nadaf	<ul style="list-style-type: none"> • Roboclub coordinator* • Cultural coordinator* • Virtual lab coordinator* • Student competitions and Hackathon coordinator
8	Prof. A. A. Chandanshive	<ul style="list-style-type: none"> • Project & Seminar coordinator • Accreditation & AMC coordinator • Innovation Cell coordinator • Equal opportunity coordinator
9	Prof. R. R. Shriram	<ul style="list-style-type: none"> • Sports coordinator* • Time table coordinator • Programming practice main

		<ul style="list-style-type: none"> • coordinator
10	Prof. S. R. Mulmane	<ul style="list-style-type: none"> • Website coordinator • Activity Register & Annual Magazine Report coordinator • Student welfare coordinator
11	Prof. U. A. Bongale	<ul style="list-style-type: none"> • Co-curricular courses coordinator • Internship & training coordinator • Spoken Tutorial coordinator
12	Prof. S. A. Kashid	<ul style="list-style-type: none"> • Newsletter Coordinator • Diploma Connect Coordinator
13	Prof. Vaibhav Nema	<ul style="list-style-type: none"> • Career Counseling & GATE coordinator • Central Library coordinator • Department Library coordinator
14	Prof. A. G. Dhanshetti	<ul style="list-style-type: none"> • Department Archives Coordinator • NPTEL coordinator

On behalf of E&TC Engineering Department, I express my deep gratitude towards all the individuals who are directly or indirectly involved in the department development.

(Prof. S. S. Dhotre)

Head of Department

Annual Report of Electrical Engineering Department for the Academic Year 2022-23

It gives me immense pleasure to put before you the Annual Report which includes various activities performed and the achievements during the academic year 2022-23 of our department.



1. ACADEMIC PERFORMANCE:

The students have shown excellent results in university examination. Result of S.Y, T.Y and B.E classes of 2022-23-II examination are as follows:

a) Class Ranks BE (Electrical)

Class Rank	Name of Student	%
1	PrernaUmakantDhayfule	85
2	SusmitaBaburaoTonape	84
3	RushikeshRavindraAnnaldas	82
4	PawanPurushottamKairamkonda	81
5	VinayakBasavrajKatte	81

TE (Electrical)

Class Rank	Name of Student	%
1	BhushettiUmeshRajshkhar	83.7
2	AsmaTaherSayed	83.1
3	Zendekar Prasad Keshav	80.7
4	DhaleShekharDhanraj	80.6
5	IngalgiGauriNagnath	78.8

SE (Electrical)

Class Rank	Name of Student	%
1	ShaikhAasamNaushad	79
2	MitthaParimalaNarasinhh	79
3	AishwaryaVishweshwarUmbre	78
4	PalampalleSantoshiMahadev	77
5	ChoudhariZarinShakeel	77

c) Class wise Results:

S.E. (Electrical) – 52.85 %
T.E. (Electrical) – 55.40 %
B.E. (Electrical) – 97.37 %

d) Best outgoing student:- Mr. SARANG ANIL BHISE

STUDENT PLACEMENTS: 2022-23

Sr. No.	Name of Company	No. of Students Placed
1	TCS	02
2	Hexaware	01
3	FourFront	03
4	Hidden Brain	01
5	Jaro Education	01
6	Tata Motor	01
7	LumiLight	04
8	Flash Education	06
9	OEN India Pvt. Lim.	07
10	Kinetic Green	04
11	Allied Digital	02
12	ZF Steering	01
Total		33

2. R & D Activities

a. FACULTY PUBLICATIONS:

Prof. IrfanMujawar published a paper titled “On Field Performance Analysis of Shunt Compensation of an Agricultural Feeder using Power Analyzer” in International Journal of Future Generation Communication and Networking Vol. 14, No. 1, (2021), pp. 3909 – 3918.

b. Webinar on RGSTC Scheme :-

The institute organized an online awareness program on 19th July-22 on Assistant for Science and Technology Applications Through University System. Through this university scheme, Rajiv Gandhi Science and Technology Commission, Government of Maharashtra provide Rs 5 lakh funding to UG, PG and research projects of the students. The key note address was delivered by Dr KV Kale Hon Vice Chancellor DBATU University. The scheme details were presented by Dr NG Shah, Member secretary RGSTC Government of Maharashtra and DrShivajiRaoJadhav scheme coordinator DBATU.

3. FACULTY ACHIEVEMENT:

- ·Dr. V. S. Shirwal& Prof. V. B. Bhosale RGSTC proposal accepted and received re grant of 2.5 lakhs for “ Intelligent Hybrid Vehicle”
- ·Prof. Irfan I. Mujawar is appointed as Associate Editor (technical program committee) for IPMU Journal of Energy Harvesting and Storage. This journal is open access, free-of-charge and peer-reviewed.
- ·Prof. V. B. Bhosale was awarded as best teacher of the department for academic year 2022-23 on the occasion of Teachers day on 5th September 2023.
- Prof. Viraj B. Bhosale is appointed as Primary Evaluator in Toycathon 2022 organized by Ministry of Education, Ministry of MSME, Govt. of India.

4. INDUSTRY - INSTITUTE INTERACTION:

- a) Testing and consultancy Activity:
Electrical Engg. Department has the state-of-art laboratories. The department has conducted Energy Audit of LaxmibaiBhauraoPatilMahavidyalaya, Solapur and KarmveerBhauraoPatilMahavidyalaya, Pandharpur.

b) Sponsored Projects:

Sr. No.	Project Title	Industry	Stipend	No. of Student
1	Solapur smart City CCTV and surveillance system integrated with command and control centre	Allied Digital & Tata Motors Ltd	-	04
2	Design and development of electromagnetic relay and electromagnetic switches	Forefront Pvt Ltd, Pune	10000	03
03	Quality Control of Electric Vehicle	Kinetic Greens Pvt Ltd, Ahmadnagar	10000	04
04	Design and development SCADA mapping for Solapur City substation	MSEDCL, Solapur		05
05	Relay Manufacturing	OEN India Pvt. Ltd., Pune	10000	06
06	Optimizing operation and maintenance of 10 MW Grid Connected solar PV plant.	Prozeal Engineering Pvt. Ltd, Malumbra, Tuljapur	-	04
07	Design & development of Buck converter	Siemens Ltd, Airoli Navi Mumbai	-	01

08	Integrated Electromotive Wheel Retrofit For Bicycle Electrification	Dessault System		01
09	Full Stack Web Development Using Java	JAVA By Kiran & Coding Ninja Education	-	02
10	Lighting Design for commercial Building	Lumilight solution, Solapur	20000	03
11	Vaccine Management System Using JAVA	Inhouse	-	05
Total				38

c) Internship/project in industry:

All S.Y. & T.Y. students have undergone 15 days of industrial training during winter vacation at various industries. Also many students have completed internship through online platform like udemy, NPTEL, & COURSERA

The prominent industries where students pursued internship are as follows

1. Indian Railway DRM section
2. Kirloskar ferrous industry, solapur
3. MSETCL
4. MSEDCL
5. Payal Pumps, solapur
6. Raj Electricals, osmanabad
7. Sidhanath Sugar mil, solapur

d) MoU With Industries

The department of Electrical Engineering has signed MoU with following industries to bridge the gap between industry and academia

1. Exa-Mobility, pune
2. Laxmi Hydraulics Pvt. Ltd. Solapur
3. Texas Industry
4. Spitzed Energy Solutions pune
5. MSEDCL, Solapur
6. Spartan Technology, Solapur

e) MoU with industries :-

- i. NKOCET Electrical Dept. with MSEDCL

- ii. MoU between GP Solapur & NKOCET, Sol.

f) Industrial Visits :-

On 5th April 2023, a group of 130 second year and third year Electrical Engineering students visited the 10 MW ACG Solar Power Plant located in Malumbra-Tuljapur. The aim of the visit was to gain practical knowledge about the installation, maintenance, and operation of a solar power plant.

7. SHORT TERM COURSES/ CONFERENCE/ WORKSHOPS ATTENDED/ ORGANIZED BY OUR FACULTY MEMBERS.

A) STTP/FDP ATTENDED

Following faculty members have attended 2 Day FDP on “Energy Conservation & Audit” conducted by GOVERNMENT POLYTECHNIC SOLAPUR, from 14.07.2023 to 15.07.2023.

1. Prof. Irfan I. Mujawar
2. Prof. A. J. Mehta
3. Prof. V.B. Bhosale
4. Prfo. D.D. Pawar
5. Prof. J. B. Patil
6. Prof. A.B. Auti

1) Prof. V. B. Bhosale has completed three days International Faculty Development Program (FDP) on “ADVANCED TOPICS IN CONTROL SYSTEMS” organized by Department of Electrical Engineering in Association with IET Nashik Local Network FROM 22nd to 24th September 2022

2) Prof. V. B. Bhosale&Prof. J. B. Patil has completed Two days ONLINE FDP on “Multiple Attributes Decision Making Methods” organized by Government Polytechnic, Solapur, from 20/07/2023 to 21/07/2023.

3) Following faculty members have completed 12 week FDP on “NBA Accreditation and Teaching and learning in Engineering (NATE)” conducted by IIT Madras.

1. Prof. J. B. Patil
2. Prof. K. B. Tamboli
3. Prof. P. B. Sakhare

4) Following faculty members have completed 8 week FDP on “Accreditation and Outcome Based Learning” conducted by IIT Madras.

1. Dr. N. K. Sharma
2. Prof. J. B. Patil

5) Following faculty members have completed one week PDP on “Advanced Pedagogy” from 29/08/2022 to 03/09/2022 conducted by NITTTR Chennai.

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3. Dr. N. K. Sharma
4. Prof. J. B. Patil
- 6) Prof. J. B. Patil completed the One Week Online Faculty Development Program on "Research and Development in Electrical, Electronics and Communication Engineering", organized by the Department of Electrical Engineering and Electronics & Telecommunication Engg. from 16th to 21th August, 2022.

B) WORKSHOP ATTENDED:

Two faculty members and two students have participated in the Training Workshop titled Energy for Irrigation: Focus on LT Network Design conducted under Unnat Maharashtra Abhiyan (UMA) sponsored by Directorate of Technical Education (DTE) and Higher and Technical Education Department, Maharashtra and organized by UMA cell, CTARA IIT Bombay and Bapurao Deshmukh College of Engineering, Sevagram, Wardha on 17th and 18th November 2022.

Faculties participated:

1. Prof. Irfan Mujawar
2. Prof. Viraj Bhosale

Students participated:

1. Mr. Samarth Swami (TY Electrical)
2. Mr. Vijay Bhimarathi (TY Electrical)
2. A team of faculty members and students have participated and presented the carried work in the follow up Workshop titled Energy for Irrigation: Focus on LT Network Design - II conducted under Unnat Maharashtra Abhiyan (UMA) organized by MIT Aurangabad and conducted by CTARA IIT Bombay on 24th February 2023.

Faculties participated:

1. Prof. Irfan Mujawar
2. Prof. Viraj Bhosale

Students participated:

1. Mr. Karan Tatikonda (TY Electrical)
2. Mr. Navin Dornal (TY Electrical)
3. Three days training workshop on PLC and SCADA is conducted for TY Electrical students from 9th to 11th March 2023 by Sofcon Training, Pune. Total 65 students are enrolled. Workshop was coordinated by: Prof. P. B. Sakhare & Prof. K. B. Tamboli.

8. DEPARTMENT ADVISORY BOARD:

Electrical Department Advisory Board meeting was conducted on 5th May 2023. The purpose of this meeting is to understand how industries working under lockdown COVID-19 situation as well as to discuss the post COVID-19 working in industries taking into consideration the various measures with proper precautions. For this meeting 3 Industry Representative and 2 Alumni were participated as follows:

1. Mr. Suneel Pendse, MD, Onkar Trading, Solapur
2. Mr. Gajanan Bijjargi MD Laxmi Control, Solapur
3. Mr. Sagar Katte MD JDK Enterprises, Solapur
4. Mr. Gujan Tipe, Mechatronics Engineer, EInfotek, Hyderabad
5. Mr. Ramling Chougule, System Engineer, AVL Electronics, Pune

The meeting underlines the importance of new knowledge areas such as Artificial intelligence, Machine learning is part of future work requirement irrespective of branch of engineering. Also the opportunity for Electrical Engineer in Machine Installation, Programming and maintenance will rise in near future. E-vehicle and facilities for its charging stations will be in huge demand. The key message from the meeting is stay safe and keep Hygiene at work place.

9. NPTEL COURSES:

Class	Name of the course	No. of Student registered
SE	Non-Conventional Energy Resources	14
	Power System Engineering	20
TE	Advance power electronics & Control	55
	Control Engineering	54

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Industrial Automation And Control	58
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CO-Curricular courses from students

Name of the course	CLASS & No. of Student completed
1. Coursera Platform	
Electrical Power System	SE-48 TE-17
Python for Everybody	SE-68 TE-17
Wind Energy	SE-05 TE-02
Solar Energy Basics	SE-20
Electrical Industry Operation and Marketing	SE-03
Interpersonal communication for engineering leaders	SE-31
Oral Communication/Communication skills for engineers	SE-14 TE-10
Personality types of work	SE-04
Grammar and punctuation	SE-06
Introduction to soft skills	SE-10
Business English: basics	SE-06
C for everyone	SE-03
Conversation English skill	SE-20
Machine Learning	SE-05
AI for everybody	SE-04
2. Energy Swaraj Foundation Platform(IIT Bombay)	
Learn to design your own solar home system	SE-60 TE-03

3. TATA Steel Platform	
Induction Motor	SE-15 TE-04
Transformer	SE-22
Natural gas	SE-05 TE-02
4. AutoCAD Platform	
SE-55	
5. TCS ION career Edge/knockdown to Lockdown	
SE-22 TE-03	

10. CO-CURRICULAR COURSES FOR STUDENTS

The department conducted various Co- Curricular courses for our students as follows.

1. Dept. of Electrical Engg. Organized two weeks workshop on “Basics of Matlab” from 17th Sept. 2022 to 26th Sept. 2022 for SY Electrical student
2. Dept. Electrical Engg. Organized one week workshop on PLC SCADA and its Application from 6th March 2023 to 11th March 2023 for TY Electrical student.

11. CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENT & INSTITUTES ACTIVITIES

Sr. No.	Name of faculty	Portfolio
1	Prof. V B Bhosale	Head of Electrical Engineering Department
		EDP Coordinator (Institute level)
		Solar Coordinator
2	Prof. B Sampathkumar	Expert lecture Coordinator
		R&D Coordinator
		CII Coordinator
		Power Electronics & Drives Lab. In charge
3	Prof. C H Mallareddy	Career Counselling / GATE coordinator
		Departmental C Programming coordinator
		Department VLAB Coordinator
		PLC & SCADA Lab Incharge
		Magazine Coordinator
4	Prof. A. J. Mehta	DSE Admission

		Coordinator
		Maintenance Incharge (Institute Level)
		Dept. Timetable Coordinator
		FE Admission Coordinator
		DBATU Exam Coordinator
		DBATU POE Coordinator
		Electrical Machine I Lab Incharge
		Electrical Machine II Lab Incharge.
5	Prof. P B Sakhare	Class Coordinator (TE)
		Website Coordinator
		ACEE Committee faculty Coordinator
		BEE Lab Incharge
6	Prof. A B Auti	Class Coordinator (BE)
		Departmental NAAC/NBA coordinator
		Computational Lab I Incharge
		Mini Project Coordinator
		BE Project coordinator
		Project Lab Incharge
7	Prof. K B Tamboli	Self-learning module coordinator
		NPTEL/Online Course Coordinator
		Switchgear & Protection Lab Incharge
		Archive Coordinator
		Industry visit coordinator
8	Prof. D. D. Pawar	TNP Coordinator
		Industry connect coordinator
		Industry-Institute Partnership / MoU coordinator
		Alumni Coordinator
		Magazine Coordinator (Technical Section).
		Analog & Digital Electronics Lab Incharge
		DAB Coordinator
9	Prof. J. B. Patil	Class coordinator (SE)
		Departmental NAAC/NBA coordinator
		Academic Monitoring Committee Member
		Industrial training coordinator
		Co-curricular course coordinator
		Computational Lab II Incharge
		Electrical Measurement Lab Incharge
10	Prof. M P Kokare	Control System Lab Incharge
		Parent Teacher

		Coordinator (PTA)
		Departmental News Letter Coordinator
		Library Coordinator

12. AWARDS WON BY STUDENTS IN VARIOUS COMPETITIONS

Sr. No.	Name of student	Class	Competition	Organized by	Prize
1	SumitBadure	TE	Technical Event	Karmyogi Institute	2 nd
2	Anjali Gudur	SE	FESTA	SVERI	1 st
3	ShekharDhale	TE	Technical Event	VVPIET	1 st
4	Anjali Gudur	SE	Stand-up Comedy	Solapur Youth Festival	1 st
5	VinitBhandare	TE	Technical Event	NBN Sinhgad	1 st

13. AMBITIOUS CANAL OF ELECTRICAL ENGINEERING (ACEE) ACTIVITIES:

a) ACEE Committee:

Following students were elected as office bearers of Ambitious Canal of Electrical Engineering Students Association (ACEE) for the academic year 2022-23.

Sr no	Name of Students	Post
1	SarangBhise	President
2	Karan Tatikonda	Vice-President
3	RaturajKotiwale	Secretary
4	ShrinathDesai(Treasurer)	Vice Secretary
5	NandiniManepatil(Treasurer)	Assistant Secretary
6	Samarth Rathod	
7	VaishnaviLokare(Head)	
8	MoizTamboli	
9	VaishnaviVadnal	Anchoring
10	OnkarKshirsagar	
11	Naveen Dornal	
12	SudhirPatil(Head)	
14	Vijay Bhimrati(Head)	
16	Pratik Hanamgao	
17	MadhuriUdatta	
18	RevatiKumbhar	
19	GauriIngalgi	Technical
20	VaishnaviJankar	
21	AkashNagansur	
22	SiddeshHippargi	
23	Anjali Sonawane(Head)	
24	AsmaSayed (Head)	

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25	SonaliVhatkar	Decoration
26	PruthvirajPatil	
27	VinayakAmbalgi	
28	ShivaniAndage	
29	Ashish Joshi	
30	AnkitaKhobare(Head)	
31	VinitBhandare (Head)	
32	SumitBadure	Photo & Gallery
33	Aishwarya Mali	
34	PriyankaKolekar	
35	AjitZodmote	

	Transformer	Assistant Engineer, MSEDCL	2023
4	High Performance Surface Coatings- Opportunities in Industry and Gaps in Academics	Mr. SandipSoley, Managing Director, Dazzle Dynacoates Pvt. Ltd.	27-02-2023
5	Career Enhancement & Self-Motivation	Mr. YajuvendraMahajan, Motivational speaker	02-03-2023
6	Women Empowerment	Ms. Swati Ankalgikar, Assistant Professor SSWP Solapur	08-03-2023
7	Electrical Drives	Dr. VimleshVerma, Assistant Professor, NIT Nagpur	10-04-2023
8	Control System	Dr. Jay Prakash Singh, Assistant Professor, NIT Nagpur	15-04-2023
9	Life Style for Environment	Dr. B. K. Sonage, I/C Principal, NKOCET Solapur	25-05-2023
10	Three Phase Induction Motor	Mr. JuberShaikh Assistant Engineer, MSEDCL	29-05-2023

b) Events Organized By ACEE Committee in A.Y. 2022-23

Events	Activity
Guru Poornima	Student Speeches
Fresher's Party	Welcome of 2nd Year Students
Teachers Day (5th Sept 2022)	Felicitation of Teachers, Drama On importance of Teacher
Engineer's Day (15th Sept 2022)	Technical Events- <ul style="list-style-type: none"> ❖ Poster Presentation ❖ Treasure Hunt ❖ Quiz Competition
Mahatma Gandhi Jayanti (2nd Oct 22)	Introduced life and efforts taken by Mahatma Gandhi for freedom of Nation by performing Drama, Speeches and shown documentary.
Marathi BhashaPandharwada (5th Jan 2023)	Speeches and Poster Presentation
Technovation 2K20 (9th March 2023)	Technical Event for Diploma Students & Non-Technical Events for 11 th & 12 th Students
Cultural Programs	Blue Day Mismatch Day Bollywood Day Twins Day
Inter-Department Sports	Cricket and Volleyball Matches

d) Expert Lecture Arranged by ACEE for Benefit of Students

Sr. No.	Topic of expert lecture	Guest	Date
1	Career guidance for civil services examinations.	Miss AshwiniShivaji Kale from Ashwamedha IAS academy Pune	04-12-2022
2	How to crack the GATE with good rank	Mr. Shankar Wadne (AIR-231, Faculty Ace Engg. Academy, 10 years Exp.)	13-12-2022
3	Three Phase	Mr. JuberShaikh	21-01-

e) Department Upgradation :-

New 16 kit for Measurement Lab are purchased and installed for student in Electrical Measurement lab for conduction of practical's.

Total cost:- 138709/-

(Prof. V. B. Bhosale)

Head

Department of Electrical Engineering

REPORT

Mechanical Engineering Department

It gives me immense pleasure to present before you the annual report of Mechanical Engineering Department.



Prof. S. S. Kale

It includes various achievements of students and faculty members and different activities conducted during the academic year 2022-23.

We believe that “Talent wins games, but teamwork and intelligence win championships.”

1. ACADEMIC PERFORMANCE:

Our students have shown excellent results in university examination in the academic year 2021-22. Result of S.E, T.E and B.E classes in the academic year 2021-22 examination are as follows:

A. Performance in University Exam

Rankers of the Class:

First five rankers of SE, TE, and BE Mechanical class are as follows:

BE(Mechanical)

Rank	Name of Student	Percentage SGPA
I	TAMBE PRASHANT RAJENDRA	9.1
II	BHALERAO PANKAJ JAYARAM	8.95
III	KULKARNI SHRIDHAR SANJAY SHAIKH IMRAN HARUN SOLANKAR DEVRAJ DHANANJAY	8.8
IV	BAGALE BHIMASHANKAR REVANSIDDHA	8.75
V	MIRAJE ONKAR HANAMANT	8.7

TE(Mechanical)

Rank	Name of Student	Percentage
I	Tambe Prashant Rajendra	65.67
II	Kulkarni Shridhar Sanjay	64.33
III	Shrigadi Sagar Purushottam	62.33
IV	Bhalerao Pankaj Jayram	62.00
V	Saggam Anant Dinesh	60.33

SE(Mechanical)

Rank	Name of Student	Percentage
I	Thorat Nikita Dattatray	91.00
II	Katgaonkar Mayur Santosh	89.80
III	Pankaj Hanchate	89.60
IV	Donge Jayshankar Suryakant Atharva Parkhe Kawathe Prathamesh Prasahnt Yunnus Rajesab Shaikh	89.20
V	Kamble Rohan Ashok	88.80

B. Success in GATE-2023 Examination

Mechanical Engineering Department conducted one month crash course in winter vacations for preparation of GATE-2023 examination. We arranged Motivational and informative session by the experts and previous years GATE qualified students were conducted for SE to BE students. Prof. D.D. Bhoge worked as Career Counseling Coordinator in our Department also he has conducted various seminar on GATE to Students. Following are the list of qualified students in GATE-2023.

Sr. No.	Name of Student	Score/AIR
1	Rishikesh Shirish Marathe	10675

C. Success in GRE/TOEFL/ IELTS Examinations

Following students of Mechanical Engineering Department have cracked IELTS examination for pursuing their Master's Degree in universities abroad. Dr. Shriniwas S. Metan, worked as coordinator and guided these students for exam preparation, University selection, Application Process, Visa Interviews etc.

4	Mr. Onkar Sutar	Technische Universität Berlin, Germany	Master's Program in Global Production Engineering
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Sr. No.	Name of Student	Exam
01	Mr Abhishek Khirsagar	IELTS 6.0
02	Mr Chaitnya Salunke	IELTS 6.5
03	Mr Harshal Kulkarni	IELTS 7.0
04	Mr Onkar Sutar	IELTS 7.0

Admissions to Masters

in Universities Abroad:

This year 04 Mechanical Engineering students got admits from Germany and United Kingdom Universities and have gone for their Masters studies abroad.

Sr. No.	Name of Student	University	Master's Program
1	Mr. Abhishek Khirsagar	Hochschule Fresenius Berlin, Germany	Master's Program in Sustainable System Engineering
2	Mr. Chaitnya Salunke	Kingston University, Surrey, UK	Master's Program in MSc Engineering Projects & Systems Management
3	Mr. Harshal Kulkarni	Hochschule Fresenius Berlin, Germany	Master's Program in Industrial Engineering and International Management

2. PATENT FILLING:

In the academic year, 2022-23, total 8 Patents in were published from Mechanical Engineering Department faculty members.

- Dr.S. S. Metan has filed a Design Patent on "Solar Operated Self balancing Vehicle (Segway)" with Battery charged with Solar Energy on-road and off-road with one charge @40 Km Travel. (Application Number 384619-001)
- Dr.S. S. Metan has filed a Design Patent on "KisanMitra" with unique Solution for Bird Repellent and Insect trapping with IOT based data management.(Application Number 386620-001)
- Dr.N.R. Patil has filed a Design Patent on "Flexible over ear headphone speakers" with Application Number 202221064529, dated 27/01/2023.
- Prof. C.V. Papade has filed a Design Patent on "Day Night Solar Operated DC Water Pump" with Application Number 375789-001, Cbr No. 209973 dated 04/04/2022.
- Prof. B. R. Birajdar filed a Design Patent on "Improved Roof top Ventilator" with application number 202321020876.
- Prof. B. R. Birajdar filed a Design Patent on "Triangular Roller Scale" with application number 202321033859.
- Prof. B. R. Birajdar filed a Design Patent on "Triangular Roller Scale" with application number 386266-001.
- Prof. B. R. Birajdar filed a Design Patent on "Alidade Having Central Compass and Spirit Levels at Ends" with application number 386698-001.

3. INDUSTRY- INSTITUTE INTERACTION:

- MOU

Mr.Chanrashekhar Reddy MD Balaji Amines was invited for future tie ups with Mechanical and Civil Engineering Department on 16th September 2022. He has guided the students and appreciated the efforts from Team Mechanical in Solar, Aircraft and Team Avengineers presented their work. Even they have visited to Environment Lab in Civil. He has proposed a MoU with Balaji Amines. Dr. S. S. Metan was the coordinator.

4. SPONSORED PROJECTS & INTERNSHIP:

Following data shows the sponsored projects & internship from various industries in the academic year 2022-23.

- i. Two Students Mr Prathmesh Thakare and Miss Pradnya Bagul got Six-month Industrial Internship along with stipend of Rs:- **25000/-** per month at Dassault Systemes Lab Solutions, Pune. Dr S. S. Metan was the coordinator and SOP for this Internship.
- ii. Two students from Mechanical, one from Electrical, one from ENTC student got Six-month Industrial Internship along with stipend of **Rs:- 10000/-** per month.
- iii. Twelve Students got five-month Industrial Internship along with stipend of Rs:- **12000/-** per month at Saurabh FlexipackSystemes Ltd, Pune. Dr S. S. Metan was the coordinator and SOP for this Internship.
- iv. 2 Students got Six Monthly Industrial Internships Along with a stipend of Rs. **15000/-** per month at CG Power & Industrial Limited, Ahmednagar. (May be Placed 2 students at the end of this month)
Sponsored project title:-Supply Chain Management of Motor Parts by using SAP Software under the guidance of Prof. C. V. Papade
- v. 1 Student got Six Monthly Industrial Internships Along with a stipend of Rs. **12000/-** per month at Mechanical CAD Engineer ” in Pune. Also Placed with Package of Rs. **20000/-** permonth salary.
Sponsored project title:- Design and CFD analysis of the front Wing of F1 Car under the guidance of Prof. C. V. Papade.
- vi. 1 Student got Six Monthly Industrial Internships Along with a stipend of Rs. **6000/-** per month at SambhUya R Energy PVT.LTD, Pune.

Sponsored project title: -Design & Modeling of Biogas Plant for cooking application under the guidance of Prof. C. V. Papade.

- vii. 1 Student got Six Monthly Industrial Internships Along with a stipend of Rs. 10000/- per month at Vigyan Ashram, Pabal, Shirur, Pune.

Sponsored project title:- Design and Modeling of Sand Battery as heat storage under the guidance of Prof. C. V. Papade.

- viii. 1 Student got Six Monthly Industrial Internships Along with a stipend of Rs. 10000/- per month at SOURABH Flexipack Pune.

Sponsored project title: - Assembly of Kawach 450 Machine parts for packing purposes under the guidance of Prof. C. V. Papade.

- ix. 2 Students got Six Monthly Industrial Internships Along with a stipend of Rs. 7000/- per month at Four Front, PVT LTD, Pune.

Sponsored project title:- Calculation of Cycle Time and Defects Analysis of Rocker Switch under the guidance of Prof. C. V. Papade.

- x. One Student got six-month Industrial Internship along with stipend of Rs:- **18000/-** per month at Sharda Motors and got selected under the guidance of Prof. B. R. Birajdar.

- xi. One Student got six-month Industrial Internship along with stipend of Rs:-**12000/-** per month at Giridhar Air Systems, Chinchwad Pune under the guidance of Prof. B. R. Birajdar.

- xii. 4 students got selected for internship at Vigyan Ashram Pabal, Pune, under the guidance of Prof. K. A. Shaikh and Dr. S.S.Metan.

- xiii. Received sponsorship for Design and Development using Solidworks 3D Experience-Bio Arm from Dassault Systemes Solution Lab India, due to efforts of Dr. S. S. Metan.

- xiv. Received sponsorship for Creating Assests for Immersive Experience project from Dassault Systemes Solution Lab India, due to efforts of Dr. S. S. Metan.

- xv. Received sponsorship for Optimisation of Oil Extraction Packers project from Shivamtech Design Engineering Pvt Ltd, Pune, due to efforts of Dr. S. S. Metan.

- xvi. Received sponsorship for Design and Development of Cup Filler for Kavach 450 Packaging Machine project from Saurabh Flexipack Systems, Pune, due to efforts of Dr. S. S. Metan.
- xvii. Received sponsorship for Analysis from Water Turbine Blade project from Eleation Pvt Ltd, Pune, Pune, due to efforts of Dr. S. S. Metan.
- xxviii. Received sponsorship for Design and Development of Pumps project from Laxmi Drunken Ltd Solapur, Pune, due to efforts of Dr. S. S. Metan.
- xix. Dr S. S. Metan guided successfully 08 students for the “Solar Energy for Sustainable Cities” 3 students from Polytech Nancy France and 05 students.
- xx. Received sponsorship for project titled “Design and development of fixture to trim engine seal ends” from Cross International Ltd., Solapur by the efforts of Dr. N. R. Patil.
- xxi. Received sponsorship for two mini-projects from Gujrat Rubber Ltd., Solapur by the efforts of Dr. N. R. Patil.
- xxii. Received Sponsorship of 1,57,00/-by La Foundation Dassault System for the project titled “Integrated Electromotive Wheel Retrofit for Bicycle Electrification” due to efforts of Prof. S. S. Kale.
- xxiii. Received Sponsors by JalsamrudhiAgro Agency, Ule for the project titled “Design and Development of Mini JCB for Agricultural Application” due to efforts of Prof. S. S. Kale.
- xxiv. 1 student Student Mr. Aditya Chandanshive got project internship at JCB India Limited from 01-02-2023 to 24-05-2023 under the guidance of Prof. M. B. Awate.
- xxv. Research Grant proposal “Solar Tree Optimization”, is approved by Dassault Systemes Foundation’s board with a funding approved is: **Rs 475,000** (Rs Four Lak Seventy Five Thousand) and Self-Institute funding institute funding project is **Rs50,000/-** (Rs Fifty Thousand). So Total Funding for “Solar Tree Optimisation” Granted is **Rs 525,000/-** (Rs Five Lakhs Twenty Five Thousand) in May 2023. Principal Investigator Dr. Shrinivas S. Metan.
- xxvi. Prof. D. D. Bhoge received **Rs3,00,000/-** Research grants for “Smart Building Technologies For Decarbonization And To Enhance Energy Efficiency In Buildings” under “DBATU Vice Chancellor’s

Research Promotion Grants 2023”(DBATU-VC-RPG 2023).

5. CO-CURRICULAR COURSES CONDUCTED:

Following data shows the co-curricular courses conducted in the academic year 2022-23.

- i. Dr. S. S. Metan Organized Two Days Workshop RC Aircraft Building on 24th and 25th September 2022 by Aeronuts Bangalore and Team Avengineers at N K Orchid College of Engineering and technology, Solapur. Total 80 students were present.
- ii. Prof. C. V. Papade conducted Solar Ready Engineer Course Conducted for UG Students (60 hrs) 1st September 2022 to 15th September 2022.
- iii. Prof. D. D. Bhoge Organized Two Days Workshop on Vehicle Dynamics from 23rd to 24th Sep 2022 to Mechanical Engineering Department Students.
- iv. Prof. D. D. Bhoge Arranged GATE Orientation Session of Mr. Shankar Wadane to CE, ME, EE students on 13/12/2022
- v. Prof. D. D. Bhoge Organized session on Career Guidance in Govt. by Ms. Kale (Director Ashvmedh Pune) on 3/12/2022 to ME, CE, EE students.
- vi. Prof. K. A. Shaikh organized 3 Two-week Inhouse Internship courses on SRE, CATIA V-5 and JAVA.
- vii. Dr. A. B. Magar conducted courses on Ansys for BE (Sem-I, 22 students) and TE (Sem-II, 49 students) of FEM group.
- viii. Prof. S. K. Khillare Conducted Internship training course on ‘CATIA V5’ for T.E. Mechanical Engineering students from 1st Sept. 2022 to 15th Sept. 2022.
- ix. Prof. B. R. Birajdar Conducted a session on “DESIGN & DEVELOPMENT” for Third Year Mechanical Engineering Students under Ready Engineers Program in association with Tata Technologies.
- x. Prof. A. S. Dhobale conducted 3 days training on Autodesk Fusion 360 for DSE aspirants.
- xi. Prof. A. S. Dhobale Organized two days training on “CNC Machine” by Ace Micromatics, Pune on 21st and 22nd December 2022.

6. FACULTY PUBLICATIONS:

Following data shows the faculty publications in the academic year 2022-23.

- i. Dr. N. R. Patil published a paper on “**Design & Development of Filterless Air Purifier and Humidifier**” International Research Journal of Engineering and Technology (IRJET) e-ISSN: 2395-0056 Volume: 09 Issue: 09 | Sep 2022 www.irjet.net p-ISSN: 2395-0072.
- ii. Prof. S. S. Kale Published Paper in Springer Nature Techno-Societal 2022: 4th International Conference on Advanced Technologies for Societal Applications titled “**Improving Conversion Efficiency of Solar Panel by Cooling System**” Scopus indexed.
- iii. Prof. S. S. Kale Published Paper in Springer Nature Techno-Societal 2022: 4th International Conference on Advanced Technologies for Societal Applications titled “**Heat Transfer Augmentation in Forced Convection with Regularly Spaced Inserts– A Review.**” Scopus indexed.
- iv. Prof. S. S. Kale Published Paper in Springer Nature Techno-Societal 2022: 4th International Conference on Advanced Technologies for Societal Applications titled “**Energy Generation System through Solar and fast moving Vehicles.**” Scopus indexed.
- v. Prof. S. S. Kale Published Paper in International Journal of Scientific Research in Engineering and Management (IJSREM) on Volume 07 Issue 06, June, 2023 titled “**Performance Evaluation of Domestic Solar Dryer using Force Convection**” Google Scholar.
- vi. Prof. C. V. Papade Published paper on “**Binary salt phase change material for concentrated solar cooker: storage and usages, Energy Sources, Part A: Recovery, Utilization, and Environmental Effects**”, Vol.44, pp.6698-6708, Aug. 2022.
- vii. Prof. C. V. Papade published paper on “**Characterization of Nano-Mixed PCM for Solar Cooker Application**” in International Conference (ICRAMM 2022-23) at Velala COET, Erode, Tamil Nadu.
- viii. Prof. C. V. Papade Published book chapter on “**Nano-mixed phase change material for solar cooker application**” Book Chapter-Energy Storage Systems Optimization and Applications, Springer; 978-981-19-4502-1, Oct. 2022
- ix. Prof. C. V. Papade published paper on “**Characterization of Nano-Mixed PCM for Solar Cooker Application**”, Elsevier Materials Today proceedings., March 2023.
- x. Prof. C. V. Papade and A. B. Sirsikar published paper on “**Experimental Analysis of Solar Operated Automatic Mawa Making Machine**”, International Journal of Innovative Research in Advanced Engineering (IJIRAE), Vol.9, Issue.08, August 2022 (Elsevier Indexed)
- xi. Prof. C. V. Papade and Tanveer T. Shaikh published paper on “**Design and Analysis of an Elliptical Bicycle for Outdoor Exercise**” International Journal of Latest Research in Engineering and Technology Vol.9(1).pp.34-43 April-2023.
- xii. Prof. C. V. Papade published paper on “**a review on solar operated milk pasteurization system**” International Research Journal of Engineering and Technology (IRJET); Vol.9;12;662-670; Dec.2022.
- xiii. Prof. B. R. Birajdar Published paper on “**Energy Generation System Through Solar And Fast Moving Vehicles**” in 4th International Conference on “Advanced Technologies for Societal Applications”.
- xiv. Prof. B. R. Birajdar Published paper on “**A review on epoxy polymer matrix composite, its mechanical and thermal properties**” in 4th International Conference on “Advanced Technologies for Societal Applications”.
- xv. Prof. B. R. Birajdar Published paper on “**Improving Conversion Efficiency of Solar Panel by Cooling System**” in 4th International Conference on “Advanced Technologies for Societal Applications”.
- xvi. Prof. A. S. Dhobale translated a book on “Engineering Graphics” under Technical Book Translation initiative by AICTE and Government of India and the book is published by Khanna Publications New Delhi ISBN: 978-93-5538-004-3 Published by Hon. Minister Higher and Technical Education Mr. Chandrakant Dada Patil and Mr. Subhash Sarkar Minister Education Govt. of India at Mumbai University Kalina Campus Mumbai (14th Nov. 2022).
- xvii. Prof. A.H. Kambale, Prof. Y. B. Patil, Prof. D. D. Bhoge published a paper on “**An experimental**”

investigation of different cooling pad materials of desert cooling pad material of desert coolers for less consumption of water and effective cooling”, IJREAMV ISSN 2454-9150 Vol-08, Issue-10, Jan 2023.

- xviii. Prof. K. A. Shaikh published a paper on “Performance Evaluation of domestic solar drier using forced convection” Journal: International Journal of Scientific Research in Engineering and Management, Volume 7, Issue 6.

7. FACULTY MEMBERS WHO WORKED AS RESOURCE PERSON AT OTHER INSTITUTIONS:

- i. Dr. S. S. Metan delivered the Expert Lecture on “Hydroelectric and Nuclear Power Plant” TE Students in October 2022 at GP Polytechnic, Solapur.
- ii. Dr. S. S. Metan conducted one-day seminar on Career opportunities in after 12th Science for the students Chh. Shivaji Jr. College, Osmanabad in December 2022, 60 students were present.
- iii. Dr. S. S. Metan conducted one-day seminar on Career opportunities in after 12th Science for the students Tuljapur Tution Class in December 2022, 30 students were present.
- iv. Dr. S. S. Metan conducted one-day seminar on Career opportunities in after 12th Science for the students from Prof Pramod Mashalkar Chemistry Teacher from Omarga in our Campus in November 2022, @30 students were present.
- v. Dr. S. S. Metan conducted one-day seminar on Career opportunities in after 12th Science for the students from Shivaji Jr College from Omarga in their college in November 2022, @40 students were present.
- vi. Dr. S. S. Metan coordinated for the six students of Team Ashwamedh who had participated in India EV International Show at Pune on 12/11/2022.
- vii. Prof. S. S. Kale worked as resource person for one week FDP "Use of ICT Tools and Resources in Online Teaching Learning Process" organised by Fabtech College of Engineering, Sangola.
- viii. Prof. S. S. Kale worked as resource person for one week FDP "Use of ICT Tools and Resources in

Online Teaching Learning Process" organised by Phalatan College of Engineering, Phalatan.

- ix. Prof. S. S. Kale conducted Workshop on “Recent Advances in Automobiles for Diploma Students”.
- x. Prof. C. V. Papade conducted a One Day Workshop on “Applications on Solar Energy” for Govt. ITI Students and Faculties, Solapur 18/1/2023.
- xi. Prof. C. V. Papade conducted the Expert Lecture on “Introduction to Boiler” TE Students on 28/10/2022 at GP Polytechnic, Solapur.
- xii. Prof. C. V. Papade conducted the Expert Lecture on “Fire Tube Boiler” TE Students on 29/10/2022 at GP Polytechnic, Solapur.
- xiii. Prof. C. V. Papade conducted the Expert Lecture on “Water tube Boilers” TE Students on 31/10/2022 at GP Polytechnic, Solapur.
- xiv. Prof. C. V. Papade conducted the Expert Lecture on “Advanced Technology in Boilers” in TE Students on 1/11/2022 at GP Polytechnic, Solapur
- xv. Prof. C. V. Papade conducted the Expert Lecture on “Solar Systems” TE Students on 06/04/2023 at SES Polytechnic, Solapur
- xvi. Prof. D. D. Bhoge delivered Expert Lecture at GP Solapur on 7th and 9th Nov 2022.
- xvii. Prof. B. R. Birajdar and Prof. M. B. Awate conducted the online training session on “Mechanical Engineering Design” on 26/02/2023 to Southco India Private Ltd. Ranjangaon Industrial M.I.D.C. Pune.
- xviii. Prof. A. S. Dhobale delivered a session to SVIT Students at on “Entrepreneurship.”
- xix. Prof. A. S. Dhobale was Was invited for 2 guest lectures GP Solapur on Surface and Other Measurements (12 Dec 2022)
- xx. Prof. A. S. Dhobale delivered a session at SVIT Solapur on Statistical Quality Control (6 May 2023)

8. SHORT TERM COURSE / CONFERENCE / WORKSHOPS ATTENDED / ORGANISED BY OUR FACULTY MEMBERS:

- i. Dr S. S. Metan attended and presented NKOCET Solar Research work in One Days “Regional Water Conference” on 26th September 2022 at Balaji Sarovar, Solapur. 04 students and 3 faculty members were present.

- ii. Dr. S. S. Metan attended and presented the Solar work by NKOCET in One Days “Regional Water Conference” on 26th September 2022 at Balaji Sarovar, Solapur. 04 students and 3 faculty members were present.
 - iii. Dr S. S. Metan attended 3 Days Conference “CIIA-2 Innovation Exhibition & Competition” organized by CIIA at Mumbai on 1st to 3rd February 2023. At the Nehru Center, Worli, Mumbai.
 - iv. Dr S. S. Metan attended One Day Workshop on Advancing Higher Education with Industry led Micro Credentials by Coursera for Campus on 2nd February 2023.
 - v. Dr S. S. Metan attended One Day Workshop on Connecting Curriculum to Career: Mastering for Credit Online Learning by Coursera for Campus on 3rd May 2023.
 - vi. Prof.S. S. Kale Participated in ISTE approved One Week Online Faculty Development Programme (FDP) on “Future Perspective of Nonconventional, Renewable & Clean Energy Resources” held during 9th to 13th May 2022 organized by Department of Mechanical Engineering of Sanjeevan Engineering and Technology Institute, Panhala.
 - vii. Prof. S. S. Kale coordinated one day workshop and exhibition of Solapur District Two-Wheeler Mechanics association on 14/12/2022.
 - viii. Prof. S. S. Kale attended one week FDP “Electric Vehicles” at Sinhgad College, Solapur on date 27th Feb to 3rd March 2023.
 - ix. Prof. C. V. Papade completed One Week’s Workshop on “Advances in Electrical Vehicle Industry” organized by Sardar Patel COE, Mumbai, and Sant Gadge Baba COE, Bhusawal in Collaboration with SAE INDIA. Nagpur” from 14th Nov. -18th Nov. 2022.
 - x. Prof. S. K. Khillare attended workshop on “Introduction to Embedded Systems and Robotics” conducted on June 10th - 11th, 2022 held at Indian Institute of Technology, Bombay.
 - xi. Prof. B. R. Birajdar completed 12 week NPTEL course on Composite Material from July to October 2022.
 - xii. Prof. B. R. Birajdar attended one week FDP on Autodesk FUSION 360 at WIT Solapur from 27th Feb to 3rd March 2023.
 - xiii. Prof. A. H. Kamble attended NPTEL Course on An Introduction to Mechanical Micromachining.
 - xiv. Prof. K. A. Shaikh attended and Passed NPTEL 8 Week Course on Outcome Based Education.
 - xv. Prof. K. A. Shaikh attended One Week FDP on E-Vehicle.
 - xvi. Prof. K. A. Shaikh attended and Passed 12 Week NPTEL course on NATE.
- 9. CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS ACTIVITIES:**
- i. Dr. S. S. Metan has guided for Team KisanMitra from Mechanical Engineering Department NK Orchid College of Engineering and Technology Solapur Won the National Competition Aakruti 2022. And also to 28 other teams for the Aakruti 2021.
 - ii. DrS. S. Metan has guided for Team Mechanizer's from Mechanical Engineering Department NK Orchid College of Engineering and Technology Solapur were in the Semifinals of National Competition Aakruti 2021. And also to 28 other teams for the Aakruti 2022.
 - iii. Dr S. S. Metan has guided for Team Segway from Mechanical Engineering Department NK Orchid College of Engineering and Technology Solapur Finalists in the National Competition KPIT Sparkle 2022. And also to 04 other teams for KPIT Sparkle 2023.
 - iv. Dr S. S. Metan successfully guided “Team Dominators in Aakruti 2022 National event to bag the Second Prize in Quiz Competition on 17th August 2022.
 - v. Prof. D. D. Bhoge Organized Session for all students of institute on **Career Enhancement and Self-Motivation** by Yajuvedndra Mahajan (Founder and Director of Deepstambha Foundation) on 02/03/2023.
 - vi. Prof. D. D. Bhoge Worked as Convener for AWIM Solapur Olympic at IPS Kandalgaon 24/12/2022.
 - vii. Prof. M. B. Awate worked as Mentor for “Styling Module of Ready Engineers Training Program 2022-23” organized by TTL, Pune.
 - viii. Prof. M. B. Awate organized Basketball Camp of One Day as a President of “Basketball Selection & Eligibility Committee Solapur Division” for

the Players of DBATU Solapur Zone Basketball Team on 17/11/2022 at Solapur.

10. AWARDS WON AND SPECIAL ACHIEVEMENT BY THE STUDENTS AND FACULTY MEMBERS:

- i. Dr. S. S. Metan has successfully guided "Team KisanMitra" in the National Competition. The "Team KisanMitra" Won the National Competition Aakruti 2022.
- ii. Dr S. S. Metan has guided Team Mechanizer's, they were in the Semifinals of National Competition Aakruti 2022. And he also guided to 08 other teams for Aakruti 2022.
- iii. Dr S. S. Metan has guided Team Segway in the National Competition KPIT Sparkle 2023. The Team Mechanisers was the Finalists (Gold Medalist) amongst 20 top teams from IITs,NITs and renowned Institutes from India. And he also guided to 04 other teams for KPIT Sparkle 2023.
- iv. Dr S. S. Metan successfully guided "Team Dominators" in Aakruti 2022 National event to bag the Second Prize in Quiz Competition on 17th August 2022.
- v. Dr S. S. Metan successfully guided "Team Mechanizes" with a product "Community Based Cost Effective Solar Operated Water Purifier "in Avishkar 2023 where in Zonal Level they got the Gold Medal,
- vi. Dr S. S. Metan's has successfully guided "Team KisanMitra" "IOT Enabled Insect Trapper and Bird Repellent System" project was shortlisted at CIIA Mumbai and participated in Exhibition on 1st to 3rd February 2023 at the Nehru Center Worli, Mumbai.
- vii. Dr S. S. Metan got selected as Faculty Mentor for 4 Semester Design Internship program by Dassault Systems with team of 4 students working on Development of Gyroscope 3D Modelling and Simulation.
- viii. Dr S. S. Metan is nominated as a main Collaborator with Dasault Syatem for Aakruti 2023 National Competition.
- ix. Dr. S. S. Metan coordinated and selected as Faculty Mentor for 4 Semester Design Internship program by Dassault System with team of 4 students.
- x. Project Proposal "Solar Ready Engineers course (Season 2023)", funding • 300,000 (Rs Three Lakhs) is approved by Dassault Systemes Foundation's board and Self-Institute funding for project is • 30,000 (Rs Thirty Thousand). So Total Funding for "Solar Ready Engineers course (Season 2023)" Granted is • 330000/- (Rs Three Lakhs Thirty Thousand) in May 2023. Dr S. S.Metan the Principal Investigator and Prof C. V.Papade is Co- Investigator for this funding.
- xi. Dr. S. S. Metan received **The Most Influential Professor Award** by World Education Congress at Hotel Taj Land Ends Mumbai on 6th July 2022. One of the Proud Moment being a Teacher to get this Prestigious Award. 16 Faculty Members from all over India were felicitated for their selfless contribution for more than 20 years of contribution in the Education Field.
- xii. Dr. S. S.Metan have received "**The Best NGO Professor**" award by the hands of Dr Anand Deshpande (CEO Persistent Systemes, Pune) in the **Connecting Startups with Corporates Conference** organised by J4E and DeAsra in Pune on Saturday 16th July 2022. He received the award for his contribution in educating and guiding the students for their Higher Education Abroad selflessly. Till date he has guided more than 120 students from Solapur, Pune, Mumbai and Bangalore and in that 51 students from our Institute. He was also Guest of Honor and shared a round table with Dr. Anand Deshpande.
- xiii. Prof. D. D. Bhoge's project Back Rest for Bike Shortlisted at CIIA Mumbai and Participated in Exhibition on 3/2/2023.
- xiv. Prof. A. S. Dhobale got selected as Mentor for Design Internship program by Dassault Systems with team of 4 students.
- xv. Prof. A. S. Dhobale coordinated participation and training of 03 teams in Autodesk design competition held at WIT, Solapur where 01 team won conciliation prize. Students were trained for 1 week by Autodesk.

11. NEW INITIATIVES:

- i. Dr S. S. Metan and Prof. A. S. Dhobale has successfully received MODROB Grant by AICTE as Coordinator of Rs. 16 Lakh and is being utilized for Lab development.

- ii. Dr S. S. Metan was the Program Coordinator and Project Guide for the Three Months Internship Program on Solar Energy Engineering for Sustainable Cities for the Polytech Nancy French University students. Prof C V Papade was the Course Coordinator for this program. This Course is conducted at Solar Research Center, N.K. Orchid College of Engineering and Technology, Solapur.
- iii. Dr. S. S. Metan worked as coordinator for the exhibition on 15th September 2022 where Solar Research Center 2 products were kept in the Exhibition in Dassault Systems Pune. Mr Charles Bernald CEO of Dassault Systems and Team from France office. Total 14 students were participated in this Exhibition. Our products were highly appreciated.
- iv. Dr. S. S. Metan Developed First RC Controlled Drone with the interdisciplinary department students and Developing New Drone for the Surveillance Purpose Cord craft.
- v. Prof. C. V. Papade along with Prof. S. S. Kale and Dr. S. S. Metan, coordinated and conducted three months Internship on Solar Energy Engineering for Sustainable Cities at Solar Research Center, N.K. Orchid College of Engineering and Technology, Solapur for 3 Students of Polytech Nancy University, France.
- vi. Prof. C. V. Papade participated in the Regional Meet of Institutions Innovation Council MoE^S Innovation cell at Symbiosis International University, Pune (1st August 2022, Pune).
- vii. Prof. D. D. Bhoge worked as Technical Consultant at Trend Innovation Pune (Online/offline meeting were conducted for technical discussion and guidance).

12. MECHANICAL ENGINEERING STUDENTS ASSOCIATION (MESA):

A) Following students were elected as the office bearers of MESA for the academic year 2022-23.

Post	Name of Student
President	Kiran Nurandappa Dindure (BE-A)
Vice President	Bhimashankar Bagale (BE-A)

Secretary	Pradnya Bagul (BE-A) (BE-A)
Joint Secretary	Premkumar Allagi (BE-B)
Treasurer	Shakyaputra Uggupta Choudhari (TE-B)
Coordinator	Yash Madolayya Hiremath (SE-A)
Coordinator	Ammar Shaikh (BE-A)
Coordinator	Sohel A. Rajak Mujawar (TE-A)
Coordinator	Abhishek Pandit Kirat (BE-B)
Coordinator	Prajwal Kishor Cherkupalli (BE-B)
Coordinator	Sohel Khaleed Mujawar (TE-A)
Coordinator	Pankaj Rajesh Hanchate (TE-B)

B) Expert Lectures Arranged by MESA

Sr. No.	Event	Date
1	A Session on "Workflow in Product based Software Company" by Mr. Somnath Rangrej who is alumni of Mechanical Department NKOCET, Solapur and currently working as Sr. SQA Engineer Veritas, Pune. He has a total experience of about 6 years and he guided the students of SE and TE mechanical.	04/10/2022
2	A session on "Engineering in Military Aviation Treading a Cutting Edge" by SQN Leader Supriya Bhosale who has worked in Indian Airforce for 10 years. SQN Leader Supriya Bhosale shared her career journey at Indian Air Force and also talked about the career opportunities.	04/11/2022
3	An Expert session on "High Performance Surface Coatings - Opportunities in Industry and Gaps in Academics" by Mr. Sandip Soley, Managing	27/02/2023

	<p>Director, Dazzle Dynacoates Pvt. Ltd. Sangali, Maharashtra. The session was arranged for TE Mechanical and Electrical Engg students. In 2007, Soley sir's company stood first in India for completing the coating work of biggest ever manufactured job in India, manufactured by ISRO for GSLV 200 'Project Chandrayan'. Also successfully completed the coating contract of all the Moulds & Fixtures of 'PINAKA' Missiles in India and other Missiles like Agni, Brahmos, Akash, Veda, Dhanush, Mark I, II & III etc. Other accomplishments include Project GAGANYAAN, latest Rocket SSLV etc. He guided the students on his life journey and also the opportunities in the coatings sector.</p>	
4	<p>An expert session on "Entrepreneurship Awareness" by Mr. S.A. Jeurkar SAJ Consultancy, Solapur. This session was arranged for TE Mechanical Engg students. Mr. Shekhar Jeurkar is having huge academic as well as industry experience in the field of Material Sciences and Metallurgy and also in Entrepreneurship. He guided the students on Entrepreneurship Opportunities and the prior preparations and mindset requirements for it.</p>	20/05/2023

	<p>BTech 2022 students and Felicitation of students placed in campus drives</p>	
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13. EXPERT LECTURES ARRANGED BY DEPARTMENT

- i. Dr. S. S. Metan arranged a session of Sqn Ldr Supriya Bhosale "Engineering in Military Aviation Treading a Cutting Edge" on 4th November 2022.
- ii. Dr. S. S. Metan arranged One Day Workshop on Aakruti 2023 a Nationwide Design Contest by Mr. Yash Dhake and Mr. Shubham Arora on 27th May 2023. Total about 200 students were present.
- iii. Dr. S. S. Metan arranged a Session on "Higher Education Opportunities in France and Polytech Nancy" by Tarek and Caroline to First Year All Branch Engineering Students and SE Mechanical and AIDS students on 26/04/2023. Total about 500 students were present.
- iv. Dr. S. S. Metan Organized one-day workshop for the First Year students on "Preparing for Your Dream Career" by Mr Hemant Gadgil (Executive Director La Fondation Dassault Systemes, Pune) conducted the session on 5th January 2023. Total 200 students were present.
- v. Dr. S. S. Metan organized one-day session on "How to get in Top 10 Teams in Aakruti 2023" by Mr. Rohit Magar Expert from Dassault Systems Pune on 8th September 2022. Total 50 students were present.
- vi. Dr. S. S. Metan Organized One Day visit of Mr. Salim Huzefa on 25th February 2023 for conducting session for the students and faculty on Solar Domain projects and initiatives in Future. Solar Ready Course and some research aspects were discussed in detail during the Faculty Session.
- vii. Dr. S. S. Metan Conducted the Session on "Career Opportunities in Mechatronics, Aerospace, Robotics and Study Abroad" is organized by Team Av Engineers of NK Orchid College of Engineering and Technology Solapur in Orchid College Solapur on 6th October 2022 Thursday at 11:00 AM. Total 26 students present for this Session.

C) Other Activities Conducted by MESA:-

Sr. No.	Name of Activity	Date
1	Fresher's Party 2022-23	22/12/2022
2	Send off ceremony to	05/02/2023

- viii. Dr S. S. Metan organized one-day Seminar on 3rd November 2022 by Dr Kulkarni from Vigyan Ashram Pabhal, Pune.
- ix. Dr. S. S. Metan On 13th August 2022 organized a session to Team Avengineers on “Future Projects Development and 2 Seater Aircraft Development Facts and Challenges” by Dr Shirish Valsangkar and Dr. Neville Bharucha and Mr. Praful Thavare.
- x. Prof. D. D. Bhoge arranged Expert session on Wind Energy of Mr. Shankar Kulkarni to BE Students on 17/12/2022.
- xi. Prof. S. K. Killare Arranged Industry guest lecture for B.E. Mechanical Engineering student of subject CAD/CAM on 28/12/2022.
- xii. Prof. A. H. Kamble arranged guest lecture on “Strengthening Mechanisms” organized for SE students, Resource person Mr. S. A. Jaurkar (SAJ Consultancy Services).
- xiii. Prof. A. H. Kamble arranged guest lecture on “Powder Metallurgy” organized for SE students, Resource person Mr. S. A. Jaurkar (SAJ Consultancy Services)
- xiv. Prof. K. A. Shaikh arranged a guest Lecture on “A session on Entrepreneur Awareness” by Mr. S. A. Jeurkar on 20/05/2023.

14.INDUSTRIAL VISITS:

- i. TE Mechanical students visited to RudraliHiTech Tools Pvt. Ltd. Solapur for the subject Manufacturing Process-II on 18/04/2023. Students able to see Wire Cut Edm, Tool Insert manufacturing of CBN, Diamond PCD Surface grinding, Profile Cutter, Brush Honing etc. Total 115 students attended the visit along with Faculty Members Dr. Mahesh Shinde, Prof. A. S. Dhobale, Prof. M. B. Awate, Prof. A. A. Nimbalkar, Prof. R. V. Sanga.
- ii. TE Mechanical students visited S. T. Workshop Solapur on 17/04/2023 for the subject Internal Combustion Engine. Students able to see Maintenance of IC Engine, Fuel Injector Calibration, Supercharger and turbocharger, working structure of workshop. Total 50 students attended the visit along with faculty members Prof. S. S. Kale, Prof. C. V. Papade, Prof. M. B. Awate, Prof. D. D. Bhoge.

- iii. Prof. A. S. Dhobale coordinated the industrial visit to Laxmi DruckenKomponents Pvt. Ltd. Solapur on 17/04/2023 for the subject Engineering Metrology and Quality Control. Total 32 students attended the visit along faculty members Prof. A. S. Dhobale, Dr. M. S. Shinde and Prof. A. A. Nimbalkar. Students observed the industrial use of various instruments like Vernier Caliper, Micrometer Screw Gauge, Dial Gauge, Pneumatic Comparator, Limit Gauges, Slip Gauges, Thread Gauges etc.
- iv. Prof. A. H. Kamble organized Industrial visit of SE students to Thirumala Precicasts, Ule.

15.GROUP ACTIVITIES

TEAM AVENGINEERS:

- Dr S. S. Metan is the Mentor for Team Avengineers, developing “RC Aircraft”
- i. **Team Avengineers** developing 1/3rd RC Aircraft of Sessana Aircraft Model from last 2 Months. Design is done and now 30% Fabrication is done and remaining will be done in next Semester.
 - ii. One More RC Aircraft or AeroDesign Competition is preparing with new team members. 20% fabrication is done.
 - iii. Conducted and coordinated One Day IPEV Road Drive by Indian Air Force Workshop for the College Students on 9th March 2023.

TEAM ASHWAMEDH (SAE SUPRA)

- i. Team Ashwamedh having 25 team members is going to developing SAE Supra Vehicle. SUPRA is the national level engineering student competition where teams from various engineering colleges participate. In this student design and fabricate a formula-style vehicle.
- ii. Team has completed the Design and Modelling of Vehicle. In this semester they are going to fabricate the complete vehicle for the competition. Prof. B. R. Birajdar & Prof. D. D. Bhoge are working as mentor for this team Ashwamedh.

16. TRAINING & PLACEMENT:

- i. Dr. S. S. Metan referred 05 students resume to Dassault Systemes Pune for the interview and four got the interview calls and out of that Mr. SiddharamKotnoor is selected as R&D Quality Assurance Associate Engineer in Dassault Systemes Solutions Lab Pvt Ltd with **7 Lakhs** Package.
- ii. Dr. S. S. Metan initiated high quality industry placement to Mr. Prathmesh Thakare, selected as R&D Quality Assurance Associate Engineer in Dassault Systemes Solutions Lab Pvt Ltd with & 5.5 LPA Package through Internship and Miss Pradnya Bagul, selected as Design 3DVIA in Dassault Systemes Solutions Lab Pvt Ltd with & 7.52 LPA Package.
- iii. Prof. D. D. Bhogearranged Placement drive of Thermax Ltd Pune and 2 Students successfully placed.
- iv. Prof. A. S. Dhobale Arranged Aqua Chill Systems placement drive 2 times. One at NKOCET and Other pooled at SVERI. – 01 Student got placed.
- v. Prof. A. H. Kamble Placed one student in Konecranes & Demag Pvt. Ltd.
- vi. Prof. K. A. Shaikh in association with Prof. A. I. Nadaf (ENTC) placed 4 students in Tox Pressotechnik (India) Pvt Ltd, Pune.

17.PARENT MEET

Parent-Teacher Association (PTA) meet for academic year 2022-2023 was held on 15th April 2023. HOD Mechanical briefed about our college achievement for academic year 2021-22, review of the activities & happenings in Mechanical Engineering Department for academic year 2021-22.

The Parent's meet was conducted for S.Y class on, 15th April 2023 (Saturday) from 03:00 PM to 05:00 PM. Total 35 parents and 7 Faculty member were present for meeting.

Parents meet for T.Y. class was conducted on 29th April 2023 from 03:00 PM to 05:00 PM. Total 64 parents and 6 Faculty members were present for meeting.

There was at length discussion about students' performance in this semester and students' appreciation for good results in exam from their parents. Also, Parents were briefed about the placement activity during academic year 2022-23 and discussed about detail schedule of PPW session & test to enhance the skills of the students.

In the suggestion and feedback session, parents asked queries about job opportunities in different sectors. Parents were happy about the efforts taken by Mechanical Engineering department about students Industrial Training & Placement activities. They assured us that in future the relation between the college and parents will give fruitful results to the students. HOD has briefed about Department Achievements and Future Plans. Prof A. S. Dhobale briefed about TNP Achievements and Future Plans. Prof D. D. Bhoge briefed about GATE Achievements and Future Plans. Prof. B. R. Birajdar coordinated all the Parents meet with respective class coordinators.

18.WORKSHOP CONDUCTED FOR MECHANICAL ENGINEERING STUDENTS:

- i. Dr. S. S. Metan organized Two Days Workshop RC Aircraft Building on 24th and 25th September 2022 by Aeronuts Bangalore and Team Avengers at N K Orchid College of Engineering and technology, Solapur. Total 80 students were present.
- ii. Dr. S. S. Metan organized One Day Training on 20th May 2023 on "Aircraft Design and Maintenance for Team Avengers at Carver Airport Baramati. Total 26 students were present.
- iii. Dr. S. S. Metan organized Two Days workshop on "Drone Development", Mr Amit Thool (Managing Director Dalvik, Pune) conducted the session on 5th and 6th November 2022. Total 60 students were present.

Annual Report of General Engineering Department for the Academic Year 2022-23

I am pleased to present the Annual Report of our General Engineering Department for the academic year 2022-23



1) STUDENT DEVELOPMENT PROGRAMS: -

a) Orientation Sessions: - FE HOD, Head Training and Placement, Class Coordinators and respective subject teachers, conducted Orientation Sessions for the students.

b) Induction Programme: Induction program of 1 week was conducted comprising of various activities like Imbibing Human Values, Interaction with all the Departments, motivational session “Excel the Excellence” etc. in the beginning of the first semester. This helped the students to be acquainted with the new environment and with the subjects mentioned in the curriculum. The department also conducted a session on Humanities and Moral Values for all newly admitted students.

c) Internship: First Year Students successfully completed their 1 week internship on “Campus to Corporate” (Communication Skills and Soft Skills) by Eminence

d) Personal Counseling: - Mrs. Alka Kakade conducted psychological counselling session for the First Year Engineering Students.

e) Motivational Lectures: -

1) Prof. I.I. Mujawar conducted a motivational lecture for the first year students on “Excel the Excellence” on 14th December 2022.

2) Mr. Yajuvendra Mahajan conducted a motivational lecture for first year students on “Career Enhancement and Self Motivation” on 2nd March 2023.

f) Parent Meet: -

The department organized Parent Meet of all Divisions in March & June 2022. The meet was conducted to interact with the parents and resolve their doubts. The parents were informed about the progress of the students, the Departmental Activities and Academic Practices. 110 parents were present for the Parent Meet.

g) Proctor System: - A group of 20 students is assigned to each faculty member. These faculty members work as their local guardian, mentor and guide and help the students to cope up with their academic and personal problems. The faculty members

inform the parents about academic performance and the attendance of the students.

h) Book Bank Scheme: - Book Bank Scheme to each student for entire semester helped the student for easy availability of books for their self-study & knowledge gain.

i) Prelim Exam: - Prelim Exam was conducted which helped the students to improve their Academic Performance in the University Exam.

2) FACULTY ACHIEVEMENTS:

1) Prof. U.K. Jadhav was awarded PhD in English from Savitribai Phule Pune University (SPPU), Pune in December 2022 on the topic “A study of Code Mixing in the Selected Plays of Mahesh Dattani”

2) Prof. A.S. Sadlapurkar was awarded PhD in Chemistry, from Punyashlok Ahilyadevi Holkar, Solapur University, Solapur in August 2023 in “Extractive Spectrophotometric Determination of Selective Metal Ions by using Benzaldehydethio Carbohydrazone”

3) Prof. S.D. Jadhav received Award of Excellence for Meritorious contribution in Teaching (Mathematics) for Academic Year 20221-22 at NKOCET, Solapur.

4) Dr. M.S. Shaikh received Best English Teacher Award by Saarthi Sunday English Speaking Club, Solapur.

5) Dr. M.S. Shaikh is appointed on Board of Studies (English) at Sangameshwar College, Solapur (Autonomous)

2) FACULTY PUBLICATIONS:

1) Prof. S.D. Jadhav published a Paper entitled “The Role Of Mathematics In Machine Learning” Published in Journal of Data Acquisition and Processing.

2) Prof. S.D. Jadhav published a paper entitled “Advancements in topology-Review Article” in the international Journal of Research and Analytical reviews.

3) Dr. P.A. Ubale published a paper on “Chemical synthesis, spectral characterization and biological activities of new diphenylsulphone derived Schiff

- base ligand and their Ni(II) complexes”, Results in chemistry, 2022, 4, 100162. DOI:10.1016/j.rechem.2022.100617
- 4) Dr.P.A.Ubale published a paper on Preparation, Characterization and In Vitro Biological Activities of New Diphenylsulphone Derived Schiff Base Ligands and Their Co(II) Complexes” *Molecules* 2022, 27(23), 8576; *Molecules*, DOI:https://doi.org/10.3390/molecules27238576
- 5) Dr.P.A.Ubale published a paper on “*In vitro* Anticancer Screening, Molecular Docking and Antimicrobial Studies of Triazole-based Nickel(II) Metal Complexes”, *Molecules*, 2022, 27(19), 6548; *Molecules*, DOI:https://doi.org/10.3390/molecules27196548
- 6) Prof. M.T.Ingale published a paper entitled "Use of Nanofibers synthesized from Corn Cob (Agro-Waste) as an adsorbent for Copper Removal from Aqueous Solution" in the journal of "Environment International".
- 7) Dr.A.V.Sadlapurkar published a paper on "Development of new efficient and cost effective liquid-liquid extractive determination method for cobalt(II): Analysis of water, alloys and nano powder" in *Journal of Trace Elements and Minerals*
- 8) Dr.P.A.Ubale Presented Paper in National conference on Recent trends in chemical sciences (RTCC-2022) held at Department of Chemistry, Sangola Mahavidyalay, Sangola on "Remarkable *In Vitro* anticancer activities of Ni(II) Metal Complexes of diphenylsulphone Derived Schiff Base Ligand" on 14th Sept. 2022
- 9) Prof S.D.Jadhav presented a paper on "Univalent Functions in Two-Dimensional Free Boundary Problems" in National Conference on Current innovations in Mathematics on 20 Dec 2022.
- 10) Prof. A.H.Kangale, presented paper on "Existence and uniqueness of implicit fractional differential boundary value problem" in International conference on Computational Mathematics (ICM) held at SGM College Karad
- 11) Prof. A.H.Kangale presented a paper, on Abstract, Applied and Computational Mathematics (NCAACM) in a National conference held in NBNCOE Solapur entitled "Existence and uniqueness of implicit proportional fractional differential equation"
- 12) Prof.A.V.Sadlapurkar presented research paper in National seminar On "Recent trends in Chemical Sciences (RTCS -2022)", held at, The Department of Chemistry, Sangola College, Sangola Sangola college 14th September 2022.
- 13) Prof.A.V.Sadlapurkar presented poster in "Emerging Trends in Separation Science and Technology" (SESTEC-2022), held at, Institute of chemical technology Mumbai during NOV 22-26, 2022.
- 14) Dr.P.A.Ubale presented Paper at International conference on "Synthesis, physicochemical characterization and biological evaluation of Schiff bases and their Ni (II) complexes" organized by National Institute of Engineering and Technology, Hyderabad on 10th June 2023

3) FACULTY INTERACTION WITH OTHER INSTITUTIONS

- 1) Prof.S.D. Jadhav conducted a session on "Career Opportunities after 12th" at SVCS Jr. College, MIDC, Solapur on 13 Dec 2022.
- 2) Prof.S.D. Jadhav conducted a session on "Career Opportunities after 12th" at SVCS Jr. College, Bhavani Peth, Solapur on 20 Jan 2023.
- 3) Dr.M.S.Shaikh conducted an online session on "Content Writing" for Sangameshwar College, Solapur on 5th September 2022.
- 4) Dr.M.S.Shaikh conducted a session on "Opportunities after 12th" at M.A.Pangal Junior College.

4) SHORT TERM COURSES/ CONFERENCES/ WORKSHOPS ATTENDED/ORGANISED BY OUR FACULTY MEMBERS.

1. Prof.S.D.Jadhav

- Participated in one week workshop on "Outcome Based Education through Student Centric Teaching-Learning Process" held from 22/05/2023 to 26/05/2023 Organized by Department of Engineering Science, BSIOTR Wagholi, Pune.

REPORT

General Science Department

- Attended one week FDP on “Innovative Teaching and Learning Pedagogy” organized by Parul University, Gujrat from 24 to 28 April 2023.

2. Dr. M.S. Shaikh

- Attended online FDP on Pedagogical Implications in ELT organized by School of English, Kumaraguru College of Liberal Arts and Science, Coimbatore, Tamilnadu from 13th to 17th Feb 2023

3. Prof. M.T. Ingale

- Participated in one week workshop on “Outcome Based Education through Student Centric Teaching-Learning Process” held from 22/05/2023 to 26/05/2023 Organized by Department of Engineering Science, BSIOTR Wagholi, Pune.
- Attended one week FDP on “Innovative Teaching and Learning Pedagogy” organized by Parul University, Gujrat from 24 to 28 April 2023.
- Attended one-week FDP on “Patent Drafting and Filing” organized by Sanjivani College of Engg. Kopargaon from 5 to 9 June 2023.

4. Dr. P.A. Ubale

- Participated in IP awareness/training programme under National intellectual property awareness on 22nd Feb 2023

5. Dr. U.K. Jadhav

- Online FDP on Pedagogical Implications in ELT organized by School of English, Kumaraguru College of Liberal Arts and Science, Coimbatore, Tamilnadu from 13th to 17th Feb 2023.

6. Prof. I.N. Birajdar

- Attended FDP on Advanced Pedagogy organized by NITTR Chennai from 29/8/2022 to 3/9/2022
- Completed NPTEL course: Speaking effectively on 2023

- Completed NPTEL course: NBA accreditation and outcome based education in technical education in 2023
- Online webinar on capital Market awareness organized by DBATU and CDSL.

7. Prof. S.S. Newale

- Attended National Conference on “Abstract, Applied and Computational Mathematics” on 27th May 2023 organized by NB Navale Sinhgad College of Engineering, Solapur.
1. Participated and Successfully completed Eight week NPTEL course on “Speaking Effectively” on Jan-Mar 2023.
 2. Participated and Successfully completed Eight week NPTEL course on “Accreditation and Outcome based Learning” on Aug-Oct 2022.
 3. Participated in online One Week National Level Faculty Development Programme on Artificial Intelligence, Machine Learning and Applications” from 25th July -29th July 2022, organized by BIGCE, Solapur.
 4. Participated and Successfully completed 5-days Online Faculty Development Programme on “Inculcating Universal Human Values in Technical Education” organized by AICTE from 18th July-22nd July 2022.

10. Prof. S.V. Chavan

- Attended FDP on Advanced Pedagogy organized by NITTR Chennai (23/08/2022 to 03/09/2022)
- Completed UHV Course in March 2023
- Attended workshop on Writing Research Paper and Patent Registration from 9th March 2023 to 10th March 2023

5) CONTRIBUTION OF FACULTY MEMBERS IN VARIOUS DEPARTMENT & INSTITUTE LEVEL ACTIVITIES

Sr. No.	Name of faculty	Contribution
1.	Prof. S.D. Jadhav	Head, of Dept. General Engineering
		Admission Coordinator
		Core- Committee member

REPORT

General Science Department

		Member of College Development committee
2.	Prof. A.H. Kangale	AMC coordinator FE FE Library committee member I-card coordinator institute level Exam Coordinator
3.	Prof. Mrs. A.V. Sadlapurkar	Girls Hostel Rector Mess/Catering Committee member Induction Program Coordinator Proctor coordinator Attendance coordinator Junior College Connect Coordinator
4.	Dr. M.S. Shaikh	NAAC Criteria 7 Coordinator at Institute Level Magazine Coordinator Soft Skill Coordinator Junior College Connect Coordinator
5.	Dr. P.A. Ubale	Internal Complaint committee member Result analysis coordinator F.E. Admission data coordinator Exam Coordinator
6	Prof. Mrs. M.T. Ingale	Psychological counseling coordinator Academic Plan Coordinator Student's Stationary Coordinator
7	Prof. U.K. Jadhav	Co-Editor College Magazine Publicity and Media Cell – Member Admission Coordinator : Murum - Omerga Region
8	Prof. I.N. Birajdar	Website coordinator(FE Department) Kannada lang. section Coordinator: Orchid Aura

		Minutes of meeting coordinator(FE Department) Akkalkot City centre incharge FE Admission
9	Prof. Ms. S.S. Newale	Remedial Exam Coordinator Study Session Coordinator Department Tea club coordinator Ladies common room coordinator
10	Prof. S.V.Chavan	Motivational Lecture Coordinator Notice Board Coordinator Furniture Maintenance Coordinator

This was a brief review of the General Engineering Department. The academic practices of the department resulted in excellent academic results and the overall development of the students.

(Prof.S.D.Jadhav)
Head
Department of General Engineering

It gives me immense pleasure to present the Training & Placement Cell report for the Academic Year 2022-23.



The T & P Cell provides ample opportunities to the students to develop their personality by conducting training programs regularly on communication skills and soft skills. We have added Soft Skill & Aptitude Sessions in our daily time-table for all the classes SY Onwards. We have three full time Soft Skill trainers & One Aptitude trainer. Training activities are organized throughout the year in an effort towards preparing the prospective students for the campus selection process. Training & Placement Cell also make strive to the students Industry-ready candidates. The Cell is well equipped with generous infrastructure in terms of Seminar Halls, Meeting Hall for Pre-Placement Talk, Presentations, Interview, & GD Cabins etc.

Our Team:

Dr. R. R. Patil- Dean T & P

Prof. Y. B. Patil- T & P Coordinator, Mechanical

Prof. Roshan Pushpan- T & P Coordinator, E&TC

Prof. S. D. Dudhanikar- T & P Coordinator, CSE

Prof. D. D. Pawar- T & P Coordinator, Electrical

Prof. R. G. Maske- T & P Coordinator, Civil Engg.

Soft Skills & Aptitude Training Team-

Dr. M. S. Shaikh- Soft Skill Trainer

Dr. U. K. Jadhav- Soft Skill Trainer

Prof. A. K. Ohol- Aptitude Trainer

The focused Trainings for Placements:

We conduct TWO Pre-Placement Workshops **PPW-I** is arranged after TY Sem.-I for 10 days which includes Aptitude by External Agencies.

PPW-II is arranged after TY Sem.-II for 20 days which includes **Soft Skills & Aptitude** training for 10 days by in-house trainers & **Technical** training for 10 days by External Agency. During this PPWs Students are profiled according to their performances and necessary feedback is given for the improvement. Also, Technology Specific training is arranged every year in the month of June/July for the students entering into Final Year. This Academic Year we have conducted training from 1st to 30th June 2021.

CST (Company Specific Training): Company Specific Training includes Mock Group discussion, Mock Interviews; Aptitude & Technical trainings are arranged for eligible students before any company visits for campus recruitment.

3rd Party Training by Various organizations & well known Training Institutes:

We have conducted 20 Days rigorous Technical Training on JAVA, Python, AI & ML by Giri Tech Hub, IDBI Intec, Zensar Technology and the Aptitude Trainings by APT TECH Solution, due to these training we are getting very good results in the campus recruitment drives.

Placements 2022-23:

I am glad to present placement records till 30th June 2022. We have successfully Placed Students of all the departments. The summary of placements is as follows.

REPORT

Training & Placement Cell

Sr. No.	Branch	No. of Student Selected
1	Computer Science & Engg.	142
2	E & TC	68
3	Mechanical Engg.	95
4	Electrical Engg.	38
5	Civil	71
	Total	414

(*Still Ongoing)

Computer Science & Engg. Dept.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	TIAA	14	10.48
2	Jaro Education	3	6.4
3	Kanaka Software	2	5
4	KPIT Technology	1	4.65
5	Deloitte	1	4.5
6	Hexaware	23	4
7	Parent Pay	4	4
8	Sankey Solution	1	4
9	Softenger India	2	3.5
10	TCS	22	3.36
11	QSpider	7	3
12	IDBI Intech	3	3
13	Core Integra	2	3
14	Quakity Kiosk	1	3
15	Pentagaon Space	4	2.4
16	The Kiran academy	2	After Training it will be 3.00
17	Kodnest	3	2.4

18	Dynomerck Controls	2	2.4
19	Cyber Success	7	After Training it will be 3.00
20	Code Fiest	3	After Training it will be 3.00
21	Kwik Koders	8	1.8
22	Sciqus Infotech,Pune	21	1.8
23	FIS Global	1	4.65
Total - 142			

****Highest package of the Dept. is 10.48 Lakh P/A****

Electrical Engineering Dept.			
Sr. No.	Name of Company	No. of Student Placed	CTC (in Lakh P/A)
1	Jaro Education	1	6.4
2	Hexaware	1	4
3	TCS	2	3.36
4	FOUR FRONT	2	3
5	Hidden Brain	1	2.4
6	Lumilight	4	2.4
7	Kinetic Green	4	2.4
8	Dynomerck Controls	5	2.4
9	ZF Sterring	10	1.98
10	Flash Electronics	6	1.92
11	Allied Digital Services,Mumbai	2	1.44
Total- 38			

****Highest package of the Dept. is 6.40 Lakh P/A****

REPORT

Training & Placement Cell

Electronics & Telecommunication Engg. Dept.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	Jaro Education	1	6.40
2	Disys	1	4.5
3	Hexaware Technologies	1	4.00
4	Softenger	2	3.5
5	TCS	5	3.36
6	Fourfront	1	3.00
7	DynomerK Controls,Pune	1	2.4
8	Kinetic Green	2	2.4
9	OEN	24	1.98
10	Flash Electronics	3	1.92
11	Code Fiest	1	1.8
12	Qspider	6	After Training
13	Kiran Academy	3	After Training
14	Cyber Success	9	After Training
15	Kwik Koders	2	1.8
16	Code Fiest	4	2.4
Total-66			

****Highest package of the Dept. is 6.4 Lakh P/A ****

Civil Engineering Dept.

Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	Elevation	1	4.5
2	Shriram Finance	1	3.5
3	Softenger India	1	3.5

4	TCS	1	3.36
5	Acmegrade Pvt. Ltd., Bangalore	1	3.25
6	Spaze Vision	1	3.25
7	Neilsoft Pune	1	3
8	Precesion Precast Pune	1	3
9	Riddhi Siddhi Construction	1	3
10	RA-Tech	1	2.76
11	JW Consultants LLP	1	2.6
12	Nagarjuna Construction	2	2.4
13	Allied Digital ,Mumbai	1	2.4
14	Apte Consultants, Pune	1	2.4
15	Eagle Infra India	1	2.4
16	GEM(Green Ecomes)	2	2.4
17	INDUSCAD CENTER,	1	2.4
18	QSpider	1	2.4
19	Suroj Buildcon	4	2.4
20	Urban Pandit Infra.	1	2.2
21	Arwade Infrastructure	6	2.16
22	Siddhivinayak MEP	1	2.16
23	Watmov Engineering	1	2
24	Agre India Engineering	3	1.8
25	AVS Designs,	1	1.8
26	Balsan Infrastructure	1	1.8
27	D G Design Construction	1	1.8
28	Edifice Construction	1	1.8
29	Gourav Enterprises	1	1.8
30	Gubbi Civil Engg. Ltd	6	1.8
31	Kashec Pune	1	1.8

REPORT

Training & Placement Cell

32	Monarch Surveyor	3	1.8
33	Sthapati Designer	5	1.8
34	Suwarnasatya design	3	1.8
35	Vikram Infotech	1	1.5
36	Om Constructions	4	1.46
37	Telge Project Pvt Ltd	1	1.4
38	M.S.Facade PVT.LTD.	4	1.2
39	SM Awtade,Pune	1	1.2
Total-71			

****Highest package of the Dept. is 4.5 Lac. P/A***

Mechanical Engg.			
Sr. No.	Company	No. of Student Placed	CTC (in Lakh P/A)
1	Dassault Systems	2	5.5
2	Election	2	4.5
3	Kone Cranes	1	4
4	EZ Solution	1	4
5	Softenger India	3	3.5
6	Shriram Finance	2	3.5
7	TCS	3	3.36
8	Four Front	6	3
9	Aqua Chill	1	3
10	Tox Pressotechnik	4	3
11	Sharada Motors	1	2.67
12	Kinetic Green	5	2.4
13	Surine Automotive	3	2.4
14	Dynomerk Controls,Pune	3	2.4

15	ZF Sterring	36	1.98
16	Flash Electronics	9	1.92
17	Saurabh Flexipack	11	1.4
18	Atharva Engineering	1	1.2
19	Pentagaon Space	1	2.4
20	QSpider	1	Training
Total-95			

****Highest package of the Dept. is 5.5 Lakh P/A****

This year has been remarkable for the institute and Placement Cell as we have set a new record for ourselves by placing highest number of students ever till date. This couldn't be possible without focused and relentless efforts of entire Training and Placement team.

It is my pride and privilege to share view facts about placements. I express my sincere gratitude to Principal, Management, all faculty members, Soft Skills Trainers, Aptitude Trainers, and TNP Coordinators, who have extended their co-operation to the T & P Cell in accomplishing its Endeavour successfully.

Dr. R. R. Patil
Dean, Training & Placements

We feel extremely glad to present before you the annual report of our Gymkhana, which has not only lived up to expectation of all students but also moved a step ahead. We are proud to put on records that in the academic year 2022-23 our students participated in various university sports events such as Cricket, Volleyball, Chess, Basketball, Kho-Kho, Kabaddi, Badminton, etc.

Our achievements in various Intercollege DBATU Tournaments are as follows.

Sr. No.	Sport	Team of Students	Achievements
1	Kabaddi	Mr. Vaijinath Pandit Bagale	Got selected in ' DBATU Kabaddi Team ' & participated in Kabaddi Men State (Interuniversity Krida Mahotsav) held at DBATU, Aurangabad
2	Basketball	Mr. Chaitaniya Salunke	Got selected in ' DBATU Basketball Team ' & participated in Basketball Men State (Interuniversity Krida Mahotsav) held at DBATU, Aurangabad
		Mr. Parth Vijay Udnoor	
3	Kho-Kho (Women)	Ms. Gattu Nikita Tomas	Got selected in ' DBATU Solapur Zone Kho-Kho (Women) Team ' & participated in Kho-Kho (Women) Interzonal sports Competition held at Samarth Institute of Pharmacy Belhe, Junnar, Pune.
		Ms. Ghodake Rutuja Vilas	
		Ms. Shelake Sanika Prakash	
		Ms. Sneha Balaji Sarne	
4	Cricket	Mr. Vaibhav Dattatraya Jawale	Got selected in ' DBATU Solapur Zone Cricket (Men) Team ' & participated in Cricket (Men) Interzonal sports Competition held at R. C. Patel I.O.T., Shirpur, Dhule
5	Basketball	Mr. Chaitaniya Santosh Salunke	Got selected in ' DBATU Solapur Zone Basketball (Men) Team ' & participated in Basketball (Men) Interzonal sports Competition held at Samarth Institute of Pharmacy Belhe, Junnar, Pune.
		Mr. Shreyash Venkatesh Pobatti	
		Mr. Parth Vijay Udnoor	
		Mr. Omkar Unmesh Kamalpure	

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		Mr. Brijesh Naresh Gurram	
6	Volleyball	Mr. Shoaib Sagari	Got selected in ' DBATU Solapur Zone Volleyball (Men)Team & Team secured 1st place in Volleyball (Men) Interzonal sports Competition held at Samarth Institute of Pharmacy, Belhe, Junnar, Pune.
		Mr. Chanda Mateen	
7	Badminton	Mr. Hamja Shaikh	Got selected in ' DBATU Solapur Zone Badminton (Men)Team & participated in Badminton (Men) Interzonal sports Competition held at Samarth Institute of Pharmacy Belhe, Junnar, Pune.
		Mr. Alok Dake	
8	Kho-Kho (Men)	Mr. Sonu Rupsingh Pawar	Got selected in ' DBATU Solapur Zone Kho-Kho (Men)Team & participated in Kho-Kho (Men) Interzonal sports Competition held at Samarth Institute of Pharmacy Belhe, Junnar, Pune.
9	Kabaddi	Mr. Vaijinath Pandit Bagale	Got selected in ' DBATU Solapur Zone Kabaddi (Men)Team & Team secured 1st place in Kabaddi (Men) Interzonal sports Competition held at Samarth Institute of Pharmacy, Belhe, Junnar, Pune.
10	Kho-Kho (Women)	Ms. Rutuja Ghodake	Team Secured Runner up position in ' DBATU Solapur Zone Kho-Kho (Women) Competition held at Fabtech Sangola.
		Ms. Nikita Gattu	
		Ms. Sanjeevani Irashetti	
		Ms. Nikta Kale	
		Ms. Vaishnavi Jankar	
		Ms. Teja Mhetre	
		Ms. Sanika Shelake	
		Ms. Shraddha Sonane	
		Ms. Sanskruti Chavan	
		Ms. Sneha Sarne	
		Ms. Nikita Zingade	
Ms. Gayatri Madiwal			
11	Volleyball	Mr. Chaitanya Salunke	Team Secured Runner up position in ' DBATU Solapur
		Mr. Shoaib Sagari	

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		Mr. Jayshankar Dongare	Zone Volleyball (Men) Competition held at VDF, Latur.
		Mr. Chanda Mateen	
		Mr. Aftab Choudhary	
		Mr. Mubeen Bagewadi	
		Mr. Yash Hiremath	
		Mr. Shaikh Arif	
		Mr. Akash Mashale	
		Mr. Mayur Katgaonkar	
		Mr. Sayyed Husan	
		Mr. Gadekar Nagesh	
12	Chess (Men)	Mr. Deshpande Pranav	Team Secured Winner position in 'DBATU Solapur Zone Chess (Men) Competition' held at MDA College of Pharmacy, Kolapa, Latur.
		Mr. Devkate Suhas	
		Mr. Vhate Anup	
		Mr. Katke Omkar	
		Mr. Patil Aniket	
13	Badminton (Men)	Mr. Chaitanya Salunke	Team Secured Winner position in 'DBATU Solapur Zone Badminton (Men) Competition' held at A.G. Patil, Solapur.
		Mr. Alok Dake	
		Mr. Navin Vanga	
		Mr. Shubahm Pital	
		Mr. Hamja Shaikh	

Apart from the above achievements our students have also participated in various DBATU Zonal Tournaments are as follows.

Sr. No.	Sport	Team of Students
1	Kho-Kho (Men)	Mr. Ranjeet Shinde
		Mr. Sanket Mhamane
		Mr. Shekhar Patil
		Mr. Rahul Pawar
		Mr. Gurunath Chavan
		Mr. Sohail Mujawar
		Mr. Iresh Birajdar
		Mr. Ashish Pandit
		Mr. Yunnus Shaikh
		Mr. Aniket Mane
		Mr. Sonu Pawar
		Mr. Bhimashankar Bagale
		Mr. Ranjeet Shinde
		Mr. Sanket Mhamane
Mr. Shekhar Patil		
2	Kho-Kho (Women)	Ms. Rutuja Ghodake
		Ms. Nikita Gattu
		Ms. Sanjeevani Irashetti

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		Ms. Nikta Kale
		Ms. Vaishnavi Jankar
		Ms. Teja Mhetra
		Ms. Sanika Shelake
		Ms. Shraddha Sonane
		Ms. Sanskruti Chavan
		Ms. Sneha Sarne
		Ms. Nikita Zingade
		Ms. Rutuja Ghodake
3	Volleyball (Men)	Mr. Chaitanya Salunke
		Mr. Shoaib Sagari
		Mr. Jayshankar Dongare
		Mr. Chanda Mateen
		Mr. Aftab Choudhary
		Mr. Mubeen Bagewadi
		Mr. Yash Hiremath
		Mr. Shaikh Arif
		Mr. Akash Mashale
		Mr. Mayur Katgaonkar
		Mr. Sayyed Husan
		Mr. Gadekar Nagesh
		4
Mr. Devkate Suhas		
Mr. Vhate Anup		
Mr. Katke Omkar		
Mr. Patil Aniket		
5	Kabaddi (Men)	Mr. Vaibhav Jawale
		Mr. Abhijit Birajdar
		Mr. Anmol Kekade
		Mr. Mahesh Koli
		Mr. Yashpal Bhandare
		Mr. Rajpal Bhandare
		Mr. Avinash Chavan
		Mr. Vaijnath Bagale
		Mr. Vikas Mhetre
		Mr. Kirtikumar Koli
		Mr. Atharva Shinde
Mr. Rushikesh Bomane		
6	Kabaddi (Women)	Ms. Rutuja Ghodake
		Ms. Nikita Gattu
		Ms. Sanjeevani Irashetti
		Ms. Nikita Kale
		Ms. Vaishnavi Jankar
		Ms. Teja Mhetre
		Ms. Vaishnavi Khandekar
		Ms. Snehal Surwase
		Ms. Shifa Khan
Ms. Rohini Koli		

		Ms. Shravani Tukashetti
		Ms. Sudha Koli
7	Basketball (Men & Women)	Mr. Shreyas Pobatti
		Mr. Parth Udnoor
		Mr. Chaitaniya Salunke
		Mr. Brijesh Gurram
		Mr. Omkar Kamalapure
		Ms. Neha Shinde
8	Badminton (Men)	Mr. Chaitanya Salunke
		Mr. Alok Dake
		Mr. Navin Vanga
		Mr. Shubahm Pital
		Mr. Hamja Shaikh
9	Cricket (Men)	Mr. Pawar Sonu
		Mr. Vaibhav Rathod
		Mr. Pedarpatti Kunal

We conducted College level sports events 'SMASH 2022'. We received overwhelming response in various activities such as Volleyball, Chess, Cricket, Carom, Badminton, Football etc.

Gymkhana could achieve this because of the guidance and encouragement of our Principal Dr. B.K. Sonage and Coordinating Trustees.

We must thank Mr. Chaitanya Salunke (Sports Secretary) Mr. Vaibhav Jawale, Mr. Abhijit Birajdar, Mr. Vaijinath Bagale, Mr. Avinash Chavan, Mr. Samarth Punjal (Joint Sports Secretary), Mr. Kedar Borgaonkar, Mr. Anmol Kekade, Mr. Sonu Pawar, Mr. Pavan Ratakar, Mr. Vaibhav Jawale, Mr. Mateen Chanda, Mr. Jayshankar Donge, Mr. Aftab Choudhary, Mr. Mubin Bagewadi, Mr. Akash Mashale, Mr. Faran Shaikh, Mr. Mangesh Khobare, Mr. Rutik Banda, Mr. Hamja Shaikh, Mr. Shubham Pitale, Mr. Alok Dake, Mr. Premakumar Allagi, Mr. Vaibhav Nalla, Mr. Piyush Kulkarni, Mr. Chaitanya Patil, Mr. Salique Patel, Mr. Mahesh Koli, Mr. Raturaj Burgute, Mr. Sarang Bhise, Mr. Uzair Attar for working enthusiastically as volunteers to conduct College level sports events.

Finally, we thank all the concerned who helped us directly or indirectly to conduct various events.

(Prof. R.R. Shriram)
Gymkhana In charge

(Prof. M. B. Awate)
Gymkhana In charge

LIBRARY REPORT – 2022-23

Our 'library' is flourished with an enormous and excellent collection of books & journals. The total numbers of Titles are 6793& volumes are 60409. There are 652 books on Personality Development. We have subscribed to 74 National Journals and International e-journals of J-Gate Engineering Science & Technology.

Various Library Facilities such as Digital Library, Library automation, Book Bank facility to every student, Reference books, Reprography facility & News Paper facility etc. have been provided. E-granthalaya Library Software and Argox Software for bar coding is being used.

Library timing is 10.00 am to 5.15 pm for Circulation section & during night hours the reading hall remains open from 08.00 am to 11.00pm for the students to study.

We are associated with DELNET (Developing Library Network) a Library Network of many reputed Libraries encompassing Information of about One million bibliographic records, books, Journals, etc. so that we can share resources & information using the database.

The Ministry of Human Resource Development under its National Mission on Education through Information and Communication Technology has initiated the **National Digital Library (NDL)** pilot project to develop a framework of virtual repository of learning resources with a single-window search facility. Filtered and federated searching is employed to facilitate focused searching so that learners can find out the right resource with least effort and in minimum time. We have taken NDL membership.

Library has made available 1614 e-books of engineering domains on College archive.

Total investment till date for our library is 280 lacs.

The Library committee members are as follows

01) Prof. C. V. Papde (Coordinator)

02) Prof. D. S. Pawar

03) Prof. A. J. Mehta

04) Prof. U. A. Bongale

05) Prof. M. B. Rangdal

06) Prof. S. S. Newale

07) Prof. Ms. A. S. Adhatrao

LIBRARIAN

Dr. Vaijinath Shivaji Birangal

(M.A., M. Lib. & Inf.. Sci., M. Phil., Ph.D.)

NSS Annual Report 2022-23

As per DBATU guidelines, our institute has formed a NSS unit of 100 students. **Mr. Abhijit Khune** of TY Civil Engineering has been selected as Student Coordinator. Under his leadership, NSS has conducted 16 activities to sensitize the students for cleanliness awareness, gender equality, Vysanmukti, Tree plantation, Road safety awareness, blood donation, voter registration etc.

On 18th September, 2022 our NSS unit has campaign about safety while driving and some traffic rules which in turn very much required to obey for the safety of students.

On the eve of Birth Anniversary of Mahatma Gandhi, NSS has organized Swachh Bharat Abhiyan at NKOCET, Solapur campus. 15 to 20 NSS volunteers shown their interest to clean the campus by segregating plastic waste and other waste.

On the occasion of Birth Anniversary (31st Oct, 2022) of Sardar Vallabhbhai Patel, NSS unit of NKOCET, Solapur has prepared a presentation on Role of Sardar Patel for Unity of India and presented in each class. At the same time a pledge for Unity was taken by all the students.

On the occasion of Janjati Gaurav Diwas and Birth anniversary of Adivasi Leader Birsa Munda, an awareness campaigning was organized by NSS volunteers on 15th Nov, 2022. Students created awareness about the contribution of Adivasi leaders like Birsa Munda in freedom fight of India by presenting the work contribution of Birsa Munda through power point presentation in each class of NKOCET, Solapur.

On the occasion of formation of Preamble of Indian Constitution Day, NSS unit of NKOCET, has read the preamble in each class both in English and Marathi Language.

NSS unit of NKOCET, Solapur has conducted voter's registration drive for eligible students. They formed department wise volunteer teams and went to their respective department classes. Volunteers campaign about the drive and document students need to bring for registration on 28th Nov. 2022. On 2nd Dec, 2022 volunteers able to register 292 students successfully for voter ID using the app.

NSS volunteers of NKOCET, Solapur has organized IInd Blood Donation Camp of the Year on 5 th Dec,2022. They campaign about the Blood Donation Camp for explaining the importance and eligibility of donation. Damani, Ashwini Hospital and Civil Hospital blood banks were invited to collect the blood. Students and staff have shown their sense of responsibility to serve the society by actively participating in the camp. Total 182 bottles of blood were donated. This year total count of blood donation reaches to 416 bottles of blood.

As a part of respect and pride, NSS volunteers has conducted an online drive on 7th Dec 2022, to support our Armed Forces by taking the pledge on Mygovt.com website and posting their certificate on the WhatsApp group to motivate others to follow the same. More than 50 volunteers taken the online pledge and posted their certificate on our group.

The participation of NSS (National Service Scheme) volunteers from NKOCET, Solapur, in the "Swachata Abhiyan" (Cleanliness Campaign) at Sidheshwar Yatra, Home Ground in Solapur on January 29th, 2023, adds another layer of significance to this community initiative.

Participating in a Health Check-up Camp for migrant workers organized by the NGO, Sevadham Trust, at Sidheshwar Yatra along with NSS (National Service Scheme) volunteers of NKOCET on January 28th, 2023, is a significant and compassionate initiative.

The Swach Gaon Abhiyan Rally organized by the NSS (National Service Scheme) volunteers of NKOCET, Solapur, scheduled for 01/03/2023 in Tale Hipparga, in association with the Grampanchayat of Tale Hipparga, Solapur, is a significant community-driven event aimed at promoting cleanliness and hygiene in the local area.

The cricket ground survey and marking project for the villagers of Tale Hipparga, scheduled for March 3rd to 4th, 2023, led by NSS (National Service Scheme) volunteers from NKOCET, Solapur, with the consent and support of the Grampanchayat Tale Hipparga, Solapur. The primary goal of this project is to create a functional cricket ground that can be used by the villagers of Tale Hipparga for sports and recreational activities.

Street plays are an effective medium for spreading awareness about important issues, and organizing one on road safety is a commendable initiative by the NSS (National Service Scheme) team of NKOCET, Solapur. This street play, scheduled for 6th March 2023 in Tale Hipparga, aims to create awareness about traffic rules and safe driving among the local community.

Organizing a "VyasanMukti Abhiyan" (Campaign for Addiction-Free Living) rally in Tale Hipparga on 8th March 2023, conducted by the NSS Unit of NKOCET in collaboration with the Gram Panchayat, is an excellent way to raise awareness about addiction issues in the community. A rally, complete with slogans and posters, used to engage and educate the local population.

"Beti Bachav-Beti Padhao" Awareness Camp was conducted in Tale Hipparga, Solapur, by the NSS Unit of NKOCET in collaboration with the Gram Panchayat is a commendable initiative. This campaign aims to raise awareness about the importance of saving and educating the girl child. On 10th March 2023, the campaign involved displaying posters and organizing talks with elders of the village by girl students from NKOCET.

Planting trees as a green initiative is an excellent way to contribute to the environment and the community. The NSS Unit of NKOCET, in collaboration with the Gram Panchayat, in Tale Hipparga, Solapur, organised and planted 20 trees on 10th March 2023 on the street of Tale Hipparga.

NSS volunteers has showed active participation in all above activities.

Prof K.A. Shaikh and Prof Rajgiri D.

NSS Program Officer



I am very much happy to present in front of you the activities and achievements and success stories of the Study Abroad Cell (SAC) in the academic year 2022-23.

Following students are going to pursue their Masters in various countries USA, Germany, Australia. Till date total 56 students from our Institute have gone for pursuing higher education in abroad universities. 42 students have completed their Masters and working in Multinational companies in various countries like USA, France, Canada, Germany, Australia, United Kingdom, Ireland etc.

This year 07 students got admits from the various Abroad Universities and going for their Masters studies abroad. one student is still waiting for his admits.

Sr. No.	Name of Student	University	Master's Program
1	Mr Abhishek Khirsagar (Mechanical Engineering)	Hochschule Fresenius Berlin, Germany	Master's Program in Sustainable System Engineering
2	Mr Chaitnya Salunke (Mechanical Engineering)	Kingston University, Surrey, UK	Master's Program in MSc Engineering Projects & Systems Management
3	Mr Harshal Kulkarni	Hochschule Fresenius Berlin, Germany	Master's Program in Industrial Engineering and International Management
4	Mr Onkar Sutar (Mechanical Engineering)	Technische Universitat Berlin, Germany	Master's Program in Global Production Engineering
5	Mr Mrunal Gangji (Civil Engineering)	Lawrence Technological University, Michigan, USA	Master's Program in Construction Management
6	Mr Anup Shastri (CSE Department)	University of New Brunswick Fredericton, NB, Canada	Master's Program in Computer Science
7	Miss Shreya Chavan	University Deakin, Australia	Master of Cyber Security

In the academic year 2022-23, total 80 students from various departments have enrolled to the Study Abroad Cell. The students participated in various activities conducted by the Study Abroad Cell. Dr Shriniwas S Metan conducted session on "Career after Master's Degree in Abroad University" in First Year Mechanical Engineering Classes.

Dr. Shriniwas S. Metan conducted an introductory session on 26th November 2022. He briefed about the Career Opportunities after Master's Program in Abroad Universities, why to Study Abroad, Current trends in

interdisciplinary Masters courses, GRE, IELTS and TOEFEL preparation etc to the enrolled students. Mr Hamza Jamadar who is pursuing Masters in Engineering Management from North Eastern University, USA has conducted a Session on Career Opportunities and challenges in Master's Program on 15th December 2022 for the First Year Engineering Students. Mr Saleek Bijapure who is pursuing his Masters from HOCHSHULE STRALSUND has conducted a session for Team Ashwamedh and Team Avengineers for the Vehicle and Aircraft Development, Germany. Total 20 students participated for the session.

To create Awareness and to get acquainted with current situation abroad for admission procedure and availability of jobs after Master's Program following sessions were conducted by the Successful SAC students.

For the current academic year following students have qualified for the GRE, TOEFL and IELTS exams

Sr. No.	Name of Student	Exam	TOEFL/IELTS Score
1	Mr Abhishek Khirsagar	IELTS	6.0
2	Mr Chaitnya Salunke	IELTS	6.5
3	Mr Harshal Kulkarni	IELTS	7.0
4	Mr Onkar Sutar	IELTS	7.0
5	Mr Mrunal Gangji	IELTS	7.5
6	Mr Anup Shastri	IELTS	7.5
7	Mr Anup Shastri	GRE	305

We are making sincere effort to broaden the horizon, goal, to make this cell more interactive. Dr. Shrinivas Metan (Head of SAC), Mr Chaitanya Salunke, Mr Onkar Sutar, had taken countless efforts in organizing and successfully conducting SAC sessions. Mr.Samadhan Patil, Mr. Ram Bhosale, Mr Dada Pangale also worked hard for making the sessions happen for the students. The success of the SAC is due to the support of our Principal Dr. J.B.Dafedar and Incharge Principal Dr B K Sonage, all the Role holders, faculty members helped in conducting the sessions. Thanks to the management also for giving us opportunities to start the unique Cell Study Abroad Cell (SAC).

Dr. Shrinivas S Metan
(SAC In charge)

Annual Report of Artificial Intelligence and Data Science for the Academic Year 2023-24



It gives me great pleasure to present an overall report of Artificial Intelligence and Data Science for the academic year 2023-24.

1) ACADEMIC PERFORMANCE (A.Y.2022-23) SY AI&DS

- **Classresult:82%**
- The first five rankers of SY areas follows.

Rank	StudentName	CGPA
1	YELE NANDKISHOR AMBADAS	8.55
2	DESHPANDE NUPUR NITIN	8.41
	AURSANG KARTIK DATTATRAY	8.41
3	KADAM VEDIKA CHANDRAKANT	8.23
4	TUKASHETTI SHRAWANI SIDDHARAM	8.05
5	KSHIRSAGAR VAISHNAVI RUPESH	8

2) ACTIVITIES DURING ACADEMIC YEAR 2022-23

As we reflect on the AY 2022-23, we are thrilled to share with you the incredible progress we've made in nurturing talent, fostering growth, and strengthening the bonds within our academic community. At AI&DS NKOCET, we've been dedicated to creating a dynamic and enriching learning environment, and our annual report showcases just how far we've come:

a. Student Empowerment Through Internships

In the quest for holistic education, our students at the Second-Year level have taken their learning journey to new heights. They've embarked on internships via cutting-edge online platforms, gaining real-world experience that transcends traditional classroom learning. These internships have not only broadened their horizons but have also equipped them with invaluable skills for a bright and promising future.

b. Faculty Excellence Through Continuous Learning

Our esteemed faculty members have demonstrated their unwavering commitment to excellence. Through a plethora of online courses, workshops, Faculty Development Programs (FDPs), Short Term Training Programs (STTP), and training sessions, they have honed their expertise. This dedication to lifelong learning ensures that our students receive top-tier education from educators who are at the forefront of their respective fields.

c. A Stronger Parent-Teacher-Student Bond

At AI&DS we understand the pivotal role that parents play in their child's education journey. To strengthen the bond between the school, parents, and students, we conducted informative Online Proctor Meetings. Additionally, the Heads of Departments (HODs), Class Coordinators. Coordinators hosted a Parent's Meet. This session not only highlighted the importance of Placement Preparation Workshops (PPW) but also provided parents with valuable insights into our placement activities.

d. Vibrant Student Association - AIASA

Our vibrant student association, AIASA (AI&DS Student Association), has been instrumental in fostering creativity and community spirit.

AASA orchestrated exciting events, including the Logo Competition, which showcased our students' artistic talents and collaborative spirit. These events are a testament to the vitality of our student body and their dedication to creating a vibrant campus atmosphere.

3) TRAINING&PLACEMENT

The Training & Placement cell is taking utmost care for the placements and providing ample opportunities to the students. Soft skill and Aptitude sessions are added in daily timetable for all the classes. Various activities were reconducted in a planned manner, which are as follows.

- For overall personality development of students, additional lectures on soft skills and aptitude were included in regular class time-table.

4) DEPARTMENT ADVISORY BOARD(DAB)

The aim of DAB is to review and enhance the quality of Curricular, Co-curricular, Extra-Curricular Activities, Student Internships and Placements.

DAB meetings are conducted in online as well as offline mode to take valuable suggestions from DAB members. Important points for discussion were Vision, Mission, PEOs and PSO statements of department, placements and internships.

Members of DAB committee are as follows:

Sr. No.	Name of DAB Member	Designation & Organization
1.	Dr. P.J.Kulkarni	Professor, WCE, Sangali

2.	Dr. R. B. Kulkarni	Associate Professor, GCOE, Karad
3.	Mr. Pratap Sanap	Associate Principal, Data Science L&T InfoTech, Pune
4.	Mrs. Achal Patel	CEO, Eywa Solutions
5.	Mr. Laxmikant Kathare	CIO, Improsys, Pune
6.	Mr. Shantanu Phatak	ESD Co-ordinator Zensar Technologies
7.	Mr. Amit Jambure	Staff Engineer, Nutonics Ltd
8.	Mr. Rohit Miragane	Sr. Software Developer, GSLab

All faculty members of the department are also members of DAB.

5) FACULTY ACHIEVEMENTS

1. **Dr. M. B. Patil** was recognized as reviewer made to Indonesian Journal of Electrical Engineering and Informatics (IJEI), ISSN 2089-3272.
2. **Dr. M. B. Patil** was recognized as Reviewer at the 3rd International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2023 organized by the National Institute of Technology, Arunachal Pradesh, India in Collaboration with NERIST AR- India, Emlyon Business School, France and California State University USA, 29-30, May 2023 in Online mode.
3. **Dr. M. B. Patil** was recognized as reviewer in the 2nd international Conference on The Paradigm Shifts in Communication, Embedded Systems, Machine Learning and Signal Processing (PCEMS 2023) organized by Visvesvaraya National Institute of Technology, Nagpur, India held during 5th-6th April 2023.
4. **Dr. M. B. Patil** received Best Reviewer Award in at the 2nd International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2023 organized by the National Institute of Technology, Arunachal Pradesh, India in Collaboration with NERIST AR- India, Emlyon Business School, France and California State University USA, 29-30, May 2023 in Online mode.

6) FACULTY PUBLICATIONS

Our Institute motivates Faculty members to publish their research in National and International Journals. The details of Publications are as follows.

- 1) **Dr. M. B. Patil** Published a Paper entitled "Crop Leaf Disease Detection in Soybean Crop Using Deep Learning Technique" in Techno-Societal 2022 Proceedings -Springer Scopus
- 2) **Dr. M. B. Patil** Published Paper Entitled "A Novel Approach for Optimization of handover mechanism using metaheuristic algorithms" ISSN 2665-917474.
<https://doi.org/10.1016/j.measen.2022.100467>.
- 3) **Dr. M. B. Patil** Published a Paper entitled "Improved Q-Reinforcement Learning Based Optimal Channel Selection in Cognitive Radio Networks" International Journal of Computer Networks & Communications (IJCNC), Vol. 15, No. 3, May 2023.

7) WORKSHOP, SEMINAR ,STTP ATTENDED BY FACULTY MEMBERS

Faculty members have enthusiastically attended different workshops, STTPs and FDPs in online as well as offline mode, details are given below.

Sr. No.	Course/Workshop/STTP/FDP attended	Organized by	Date
1.	Dr. M B Patil		
	5 Days online Faculty Development Program on Data Science with Python	Shridevi Institute of Engineering and Technology in Collaboration with ExcelR.	30th Jan To 3rd Feb 2023
	Training on “NoSQL and Future Databases	AI& DS Dept	27 th May 2023
2.	Prof. A S Adhatrao		
	5-days online FDP on the theme “Inculcating Universal Human Values in Technical Education”	All India Council for Technical Education (AICTE)	15 th July 2022.
	completed Live online Industrial Training on Machine Learning and Artificial Intelligence	by EduLakes Solution LLP In Association with National Service Scheme (NSS)-IIT Roorkee.	22nd May To 30th June 2023
	Short-Term Course on “Python Programming for Beginners”	Department of CSE NIT Warangal in association with CCE, NIT Warangal	22-08-22-2022 to 26.08-2022.
	8 Week FDP completed on Accreditation and Outcome Based Learning	NPTEL	Aug-Oct 2022
	One Week FDP on “Advanced Pedagogy”	NITTTR, Chennai	29/08/2022 03/09/2022
	8 Week FDP On Programming in Java	NPTEL	Jan-Apr 2023
	12 Week NBA Accreditation and Teaching Learning in Engineering (NATE)	NPTEL	Jan-Apr-2023
3.	Prof S G Sanmukh		
	5 days online faculty development program on “Data Science with Python”	Shridevi Institute of Engineering and Technology in Collaboration with ExcelR.	30th Jan To 3rd Feb 2023
4.	Prof. N B Aherwadi		
	“Microsoft Certified: Power BI Data Analyst Associate	Microsoft	
5	Mr. S. S. Nandurkar		
	“Speaking Effectively” Course, (8 Weeks).	NPTEL	Jan-Apr 2023

Introduction to MS Excel	SkillUP	04th Feb 2023
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8) FACULTY DEVELOPMENT PROGRAMS AND WORKSHOPS CONDUCTED AND ARRANGED

'Workshop on C Programming'

- Date: 8th to 14th November 2021.
- Date: 17th to 23rd January 2023
- Workshop Coordinator: Prof A S Adhatrao
- Resource Person: Prof A. S. Pataskar & Prof S. G. Sanmukh
- Class: SY
- No. of participants: 75
- Mode: Offline

9) INDUSTRYCONNECT

A) Students Industrial Training and Internships

Industrial training helps to make students industry-ready by exposing them to new technologies and engineering methodologies. Also, it provides a great platform to students for exposure of industrial atmosphere & ethics.

- GTT (Global Talent Track)- Five days Python Programming workshop for SE CSE class on 23rd To 27th Jan 2023

B) Expert Lectures by Eminent Personalities from Various Fields

Students are exposed to the most recent developments in technology through expert talks by different experts from industry. The details are as follows:

Class: -S.Y.			
Sr.No	Resource Person	Date	Topic
1	Dr.P.J.Kulkarni, Retired Sr. Professor, WCESangali	8 th Sept. 2022	Recent Trend in AI&ML
2	Sachin Harihar, Senior Architect, KPIT Tech, Pune	23 rd Sep 2022	"Expectations of industry from budding IT engineers."
3.	Akshay Phadke Founder YogPharichay & Digilate	10 th Nov. 2022	Cyber Security
4	Narendra Joshi and Manjunath Kakalmeli, District Judge and Senior Lawyer, Solapur	30 th Nov. 2022	One day awareness camp on Cyber law
5	Suraj Nimbalkar Asst. Police Inspector, Cyber Crime Dept. Solapur	30 th Nov. 2022	Cyber Crime awareness

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6	SidramappaDharne	8 th Dec.2022	Patent awareness how to file patent
7	PratapSanap Head- Research & Innovation Neilsoft Pune	3 rd Dec 2022	Roadmap for programming skill Enhancement & Hackathon
8	R. D. Uttarkar Associate Developer Nutonics Ltd, Pune	4 th Feb 2023	Introduction & awareness to open source software
9	YujrvendraMahajan, Founder & Director, Deepstambh Foundation, Jalgaon	2 nd Feb 2023	Motivational Speech

10) ARTIFICIAL INTELLIGENCE AND DATA SCIENCE STUDENT ASSOCIATION

The department has an active student association - AASA which provides a platform for students'

Sr.No.	Activities Conducted	Date
1.	Teacher's Day Celebration	5 th Sep 2022
2.	Guest Lecture on 'Recent trends in AI and ML'	8 th Sep 2022
4.	Vachan Prerna Diwas	15 th Oct 2022
7.	Unity Day	31 st Oct 2022
8.	Fresher's 2k22	25 th Nov 2022
9.	International Women's Day	8 th March 2023
10.	ORCHATHON'23	1 st April 2023
11.	Shantai Orphanage Donation	15 th April 2023
12.	Seniors Farewell	27 th May 2023

6	DESHPANDE NUPUR NITIN	AI&DS Co-ordinator
7	MULMANE SWAYAM YUVARAJ	AI&DS Co-ordinator
8	KOTA SUDHANSHU SHRINIVAS	Event Administrator
9	VIDHATE GAYATRI	Event Administrator
10	KARTHIKAYA SANTOSH PAWAR	Technical Co-ordinator
11	ATTAR UZAIR SALIM	Technical Co-ordinator

11) NPTEL COURSES

A lot of enthusiasm was observed in the students for online courses from NPTEL.

Sr. No.	NPTEL Course	No. of Students Registered
1	Programming in JAVA	75 (SY AI&DS)

Office Bearers of AISA areas follows:

Sr.No	Name	Role
1	DONTA SOUJANYA DEEPAK	President
2	DESHMUKHE ANURAG VIVEK	Voice President
3	ADAM SHASHANK ARVIND	Secretary
4	SHIFA RAQUEEB KHAN	Joint Secretary
5	VALLAMDESHI SHRIRAJ VASUDEV	Treasurer

12) STUDENT AWARDS AND ACHIEVEMENTS

Sr.No	Student name	Event/Competition	Organized by
1	Patwegar Abdul Basit Waseem Ahmed	Ideathon 3.0	Ankur 3.0 association with Aurangabad Government college of Engg on
2	Pathan Shadab Khan		
3	Attar Uzair Salim		

4	ShaikhAbdulgani Zahir Abbas	12/12/2022.
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13) CONTRIBUTION OF FACULTY MEMBERS IN DEPARTMENT & INSTITUTE LEVEL ACTIVITIES

There has been active participation of our faculty members in various department level and institution level activities, which is evident from the following table

Sr.No.	Portfolio	FacultyName
1	HODAI&DS	Dr.M.B.Patil
2	ClassCoordinator	SY-A Prof.S G Sanmukh
		TY-A Prof.N B Aherwadi
3	Prof.A S Adhatrao	1. Exam Coordinator 2. Time Table Coordinator 3. Accreditation Coordinator 4. Dept. Magazine Coordinator 5. AMC Coordinator 6. NPTEL Coordinator 7. Website Coordinator
4	Prof. S.G Sanmukh	1. SE Class Coordinator 2. Parent Teacher Association Coordinator 3. Proctor Coordinator 4. Library Coordinator
5	Prof. N.B. Aherwadi	1. TE Class Coordinator 2. T&P/ Internship Coordinator 3. Student Association Coordinator 4. AI Lab In charge

14) PARENT TEACHER ASSOCIATION(PTA)

PTA is a platform for parents to participate instudentsanddepartmentprogress.ThePTAincludes two parents from each class and facultymembers.PTAmeeetisconductedatleastonceinasemester.Alsoitisagoodinterfacebetween faculty, students and parents to put theirproblemsand resolve thesame.

Followingis thelistofPTAmembers.

Parent Teacher meet for SY class isconducted on 14/05/22. HODDr. M B Patil presentedDepartment'sachievements,studentinternshipsand placements.

Class	Name of Student	Parent Name
SY	1. AyushMahadik 2. Atharv Bhat 3. NidhishSangolkar 4. AfraNaikwadi	1. Mr.LaxmanMahadik 2. Mr.ParagBhar 3. Mr.AshwinkumarSangolkar 4. Mr.NazirNaikwadi

OnbehalfofAI&DS Department,Iexpressmydeepgratitudetowardsalltheindividuals who are directly or indirectly involvedinthedepartment development.

(Dr M B Patil)
HeadofDepartment
(Artificial Intelligence and Data Science)

ANNUAL REPORT OF THE INSTITUTE

1. Preamble:

I feel great privilege in presenting annual report of our institute for the academic year 2022-23. This is a critical juncture to look back at what the Institute has done in the last one year and where it stands today: Some facts first.

2. Admissions:

Admission to the first year engineering for 80% of the seats are made by the Director of Technical Education (DTE) through CAP rounds based on CET score. 20% of the seats are filled at Institute level as Institute quota. This year 446 students are admitted to first year engineering and 139 students are admitted to direct second year engineering courses through lateral entry of diploma holders at second year level. Also, 14 students are admitted to M. Tech. courses.

2.1 Affiliation to the Technological University-DBATU:

Since academic year 2016-17, Government of Maharashtra has started the Technological University for the State. The university is named Dr. BabasahebAmbedkar Technological University i.e. DBATU. Our institute is at the forefront in implementing the initiatives of DBATU.

2.2 Courses offered:

The Institute is offering following Under Graduate & Post Graduate courses.

UG Courses		
Sr. No.	Branch	Intake
1	Civil Engineering	120
2	Mechanical Engineering	120
3	Computer Science &Engg.	120

5	Electronics and Telecommunication Engineering	60
6	Electrical Engineering	60
7	Artificial Intelligence& Data Science	60
PG Courses		
8	Computer Aided Structural Analysis & Design Engg.	12
9	Thermal Engineering	06

3. Institute Achievements:

NKOCET has been rated amongst the Platinum Institute by AICTE-CII Survey of Industry Linked Tech. Institutes for last four consecutive years. Only 145 institutes out of 10,000 in the country are in the platinum band.

4. RESULTS

4.1 University Results:

In the academic year 2020-21, students had excellent academic record. Almost all the branches have 100% results of all the classes.

4.2 GATE Results:

The Institute encourages students not only for placements in MNCs but also for higher education abroad and in renowned educational Institutes through GATE. The focused and systematic training has brought exceptional results as 132 students have qualified in GATE exam till date.

4.3 GRE, TOEFL and IELTS:

The Study Abroad Cell (SAC) is an unparalleled initiative of NKOCET. Various talks, seminars and classes have been conducted for enrolled students in

order to make them aware about different aspects of studying abroad. In the current academic year, seven students have successfully passed GRE & IELTS with high grades for pursuing their master's degree abroad. Three students have got admission to pursue their MS in universities from Germany, France and US. 93 students have enrolled this year for SAC. Details are given in the SAC report.

5. NPTEL Courses:

NPTEL (National Program on Technology Enhanced Learning) is a joint initiative of the IITs and IISc. NPTEL has been offering self-study courses across engineering. To take this initiative forward and to encourage more students across colleges to participate in this initiative, we have set up NPTEL chapter in our college. Faculty and students from our institute participated and benefited through NPTEL Certification Courses under NPTEL Local Chapter in this year. I am very happy to mention that more than 1341 students registered for various courses offered in 2022-23.

6. DBATU INITIATIVES

6.1 Minor and Honor Degree

Dr. Babasaheb Ambedkar Technology University (DBATU) has announced Honors & Minor degree programs for students pursuing Bachelor of Technology as a major reform from the academic year 2020-21. DBATU, has become first of its kind in the State to have such a facility. Under this, students get to study two degrees with the program. While they can continue securing a degree in B.Tech, they can also opt for any minor program. While a student can opt for Mech/ Civil engineering as a main degree, the same student can go for Computer Science engineering/ Artificial Engineering/ Electrical etc. as a minor degree. This will be a major boost to enhance student's employability.

7. TRAINING & PLACEMENTS:

7.1 Students' Placements:

In the academic year 2022-23, 414 students are placed through Training & Placement cell. Under the guidance of the Placement Dean Dr. Ravindra Patil till date around 53 companies conducted placement activities for our student and total 414 students are placed in various companies as on 28th July, 2023. The campus recruitments are still ongoing.

7.2 Co-Curricular Courses Organized by different Departments:

Following add-on courses are conducted by different departments for the students to make them industry-ready and first day productive engineers.

Civil Engg. - STAAD-Pro, Revit, MS Project, AutoCAD, E-Tendering

E&TC Engg. – C Programming, PCB Design, Embedded, System Design, Python, Robotics

Electrical Engg. - PLC & SCADA, PCB Design, AutoCAD, Solar Energy, "Industrial Automation"

Mechanical Engg. - CREO 2.0, Integrated course in Catia V5, CNC Machining, C programming

CSE: Python, Java, php, Android Application Development, Cloud Computing, Software Testing, C Programming

AI&DS –AI&ML, Cyber Security Python, Java, php, Android Application Development, Cloud Computing, Software Testing, C Programming, Cyber Law

7.3 Soft Skills Training:

A novel concept of soft skill training was introduced for engineering students for personal and professional advancement of future engineers. Group and personality training were implemented by our soft skill trainers Dr. Mumtaj Shaikh & Dr. U.K. Jadhav during the academic year 2022-23.

8. FACULTY ACTIVITIES:

8.1 Higher Education of Faculty Members:

Presently, 20 faculty members are pursuing their Ph.D. at various renowned institutes.

8.2 Faculty Achievements:

1) Prof.U.K.Jadhav was awarded PhD in English from SavitribaiPhule Pune University (SPPU), Pune in December 2022 on the topic “A study of Code Mixing in the Selected Plays of Mahesh Dattani”

2) Prof.A.S.Sadlapurkar was awarded PhD in Chemistry, from PunyashlokAhilyadeviHolkar, Solapur University, Solapur in August 2023 in “Extractive Spectrophotometric Determination of Selective Metal Ions by using BenzaldehydethioCarbohydrazone”

3) **Dr. M. B. Patil** received Best Reviewer Award at the 2nd International Conference on Machine Learning and Big Data Analytics (ICMLBDA) 2023 organized by the National Institute of Technology, Arunachal Pradesh, India in Collaboration with NERIST AR- India, Emlyon Business School, France and California State University USA, 29-30, May 2023 in Online mode.

8.3 Faculty Publications:

Faculty members are encouraged to keep pace with recent developments in their respective fields by publishing papers in international and national journals and conferences.

Total 38 papers are published by faculty members in this academic year. Summary of the publication are as follows:

International Journals: 28

International Conferences: 10

Patent filled :05

Details of publications are given in respective department reports.

8.4 Winter and Summer Schools Attended by Faculty Members:

Total 69 faculty members from different departments have attended winter and summer schools at different institutes.

9.INDUSTRY CONNECT:

9.1 Implant Training & Summer Internship Program

Only theoretical knowledge is not sufficient to understand various aspects of engineering. Every young engineer shall undergo Implant training to enhance the technical knowledge. Second and Third year engineering students from all the branches underwent minimum two weeks Industry training at various industries across the country.

9.2 6 Months' Internship for Final Year Students:

DBATU has introduced 6 months' internship in the industry for the final year students which has given excellent exposure to the students of technologies practiced in the industries. Around 70% of the final year students, underwent the Internship in the renowned MNCs. Many of the industries have offered attractive stipend along with placement opportunity to the students.

9.3 MoU with Industries:

To enhance the Industry-Institute interaction, we have focused on solving industrial problems through our resources. Lot of effort is put on this front; Different industries also have shown their interest in this endeavor.

1. Mr. Chanrashekhar Reddy MD Balaji Amines was invited for future tie ups with Mechanical and Civil Engineering Department on 16th September 2022. He has guided the students and appreciated the efforts from Team Mechanical in Solar, Aircraft and Team Avengineers presented their work. Even they have visited to Environment Lab in Civil. He has proposed a MoU with Balaji Amines. Dr. S. S. Metan was the coordinator.

10. STUDENTS' ACHIEVEMENTS:

10.1 Special Achievements of the Students

- i. Dr. S. S. Metan has successfully guided “Team KisanMitra” in the National Competition. The “Team KisanMitra” Won the National Competition Aakruti 2022.
- ii. Dr S. S. Metan has guided Team Mechanizer's, they were in the Semifinals of National Competition Aakruti 2022. And he also guided to 08 other teams for Aakruti 2022.

- iii. Dr S. S. Metan has guided Team Segway in the National Competition KPIT Sparkle 2023. The Team Mechanisers was the Finalists (Gold Medalist) amongst 20 top teams from IITs, NITs and renowned Institutes from India. And he also guided to 04 other teams for KPIT Sparkle 2023.
- iv. Prof. D. D. Bhoge's project Back Rest for Bike Shortlisted at CHIA Mumbai and Participated in Exhibition on 3/2/2023.
- v. Prof. A. S. Dhobale got selected as Mentor for Design Internship program by Dassault Systems with team of 4 students.

10.2 College E-Magazine:

As per the tradition we published the college magazine Orchid Aura-2021 in last year. Meetings were conducted online. The articles were collected through google forms which got good response. The novel concept of e-magazine as well as Audio Magazine was appreciated by all the stakeholders and the society.

11. Institute Social Responsibility:

The institute has always been at the forefront in social advancement events. We also believe that educational institutes are equally responsible for Social transformation. Through our 'Institute Social Responsibility' initiative we have coordinated many such events. NKOCET has always supported numerous activities in following capacities which are of benefits to the society.

11.1 Career Awareness Sessions for Jr. College and Diploma Students:

To spread the awareness about Career Opportunities in Engineering NKOCET took the initiative and arranged sessions for Diploma and Jr. College students. More than 55 Sessions on Opportunities in Engineering, Time and Stress Management were conducted for students of Solapur, Tuljapur, Osmanabad, Omerga, Latur and Pandharpur regions.

I thank the management for their excellent support and my enthusiastic team of students, teaching and non-teaching staff for their efforts and commitment towards development of the institute.

Dr.B.K. Sonage

I/C Principal

