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CONTENT is the REASON search began In the FIRST PLACE...













HOD. COMPUTER SCIENCE & ENGINNERING DR. SMITAA KASAR



We are gratified that one more edition of the departmental magazine is being published for the academic year 2020-2021 Nurturing creativity and inspiring education are two of the key elements of a successful education. Our departmental magazine is the perfect amalgamation of both. It motivates students to bring out their creative energies and distil the essence of their inspired imagination in the most brilliant way possible.

In our department it is believed that excellence is a continuous process and in pursuit of which the department has deep forays into contributing renowned technocrats, successful entrepreneurs, competent leaders.

We take this opportunity to congratulate the faculty coordinator along with the student committee in the editorial board for making the efforts to bring out this magazine yet again. May all our students soar high in their career and bring glory to the department and institute with the wings of education.



G. S. Mandals's Maharashtra Institute of Technology, Aurnagabad



All Faculty members of Computer Science and Engineering with principal of MIT Dr. Santosh Bhosle and HOD of CSE department



To develop the department as a center of excellence in the field of Computer Science and Engineering by imparting knowledge & training to the students for meeting growing needs of the industry & society.

MISSION

Providing quality education through a well-designed curriculum in tune with the challenging needs of software industry by providing state of the art facilities and to impart knowledge in the thrust areas of Computer Science and Engineering.

PROGRAM EDUCATIONAL OBJECTIVES

- **PEO 1:** To prepare the students to achieve success in Computing Domain to create individual careers, innovations or to work as a key contributor to the private or Government sector and society.
- **PEO 2:** To develop the ability among the students to understand Computing and mathematical fundamentals and apply the principles of Computer Science for analyzing, designing and testing software for solving problems.
- **PEO 3:** To empower the students with the ability to quickly reflect the changes in the new technologies in the area of computer software, hardware, networking and database management.
- **PEO 4:** To promote the students with awareness for lifelong learning, introduce them to professional practice, ethics and code of professionalism to remain continuous in their profession and leaders in a technological society.

PROGRAM OUTCOMES:

PO1:

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

PO2:

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

PO3:

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

PO4:

Conduct Investigations of Complex Problems: Use researchbased knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of information to provide valid conclusions.

PO5:

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

PO6:

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

PO7:

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

PO8:

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

PO9:

Individual and Team Work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10:

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

PO11:

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

PO12:

Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest.

PROGRAM SPECIFIC OUTCOMES:

PSO1: Identify appropriate data structures and algorithms for a given contextual problem and also develop programs to design and implement applications.

PSO2: Design and manage the large databases and develop their own databases to solve real-world problems and to design, build, manage networks and also apply wireless techniques in mobile-based applications.

PSO3: Design a variety of computer-based components and systems using computer hardware, system software, systems integration process and use standard testing tools for assuring the software quality.







MET Bhujbal Knowledge City



Certificate of Appreciation

Object Oriented Programming(C++)

In Association With Computer Society of India(CSI), Nashik Chapter

This certificate is awarded to Gaurav Ashokrao kaje, has successfully participated in the online quiz on "Object Oriented Programming(C++)" organized by Department of Computer Engineering, MET's Institute of Engineering, Adgaon, Nashik, 03 on date 6/7/2020. We appreciate your efforts in participating the contest.

















Sanjivani Rural Education Society's
Sanjivani College of Engineering, Kopargaon filiated to Savitribai Phule Pune U Accredited, ISO 9001:2015 Certifi ent of Computer Engineering (NBA Accredited)

"DBMS Concepts with SQL"

has attended a national level online quiz on "DBMS concepts with SQL ",organized by Department of Computer Engineering, Sanjivani College of Engineering, Kopargaon, Ahmednagar, Maharashtra, india between 109" June 2020 to 11th June 2020 to 11^t

Mr.B.J.Dange

Dr.D.B.Kshirsagar Head

Dr.D.N.Kyatana Director









Sanjivani College of Engineering, Kopargaon

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Mr.B.J.Dange

Dr.D.B.Kshirsagar

Dr.D.N.Kyatanava Director









Sanjivani Rural Education Society's Sanjivani College of Engineering, Kopargaon

nous Institute, Affiliated to Savitribai Phule Pune Univ NAAC 'A' Grade Accredited, ISO 9001:2015 Certified Department of Computer Engineering (NBA Accredited)

"DBMS Concepts with SQL"



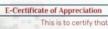
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College Dr.D.B.Kshirsagar Head

+884 Dr.D.N.Kyatanavar Director



N B NAVALE SINHGAD COLLEGE OF ENGINEERING, SOLAPUR Affiliated to Punyashlok Ahilyadevi Holkar Solapur University, Solapu NAAC Accredited "A" Grade with CGPA 3.12/4



W

Ratnaprabha sanjay purandare of MIT has successfully completed, "Microprocessor" Awareness quiz, organized by Department of Computer Science & Engineering, NBNSCOE, Solapur with score of 50%, conducted on 5/29/2020









Harshada Patil of Maharashtra Institute of Technology Aurangabad

has successfully completed "National Level Quiz on Internet of Things" with score of 73%, organized by Dept. of Computer Engineering, MET's Bhujbal Knowledge City, Institute of Engineering, Nashik-03 from date 02/06/2020 to 07/06/2020.



Soli.

Juny. Dr. M. U. Kharat HOD (Comp. Engg.)









Sanjivani College of Engineering, Kopargaon

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Mr.B.J.Dange Dr.D.B.Kshirsagar Coordinator Head

Dr.D.N.Kyatan Director



























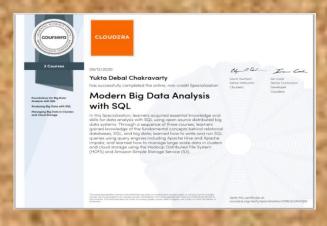
























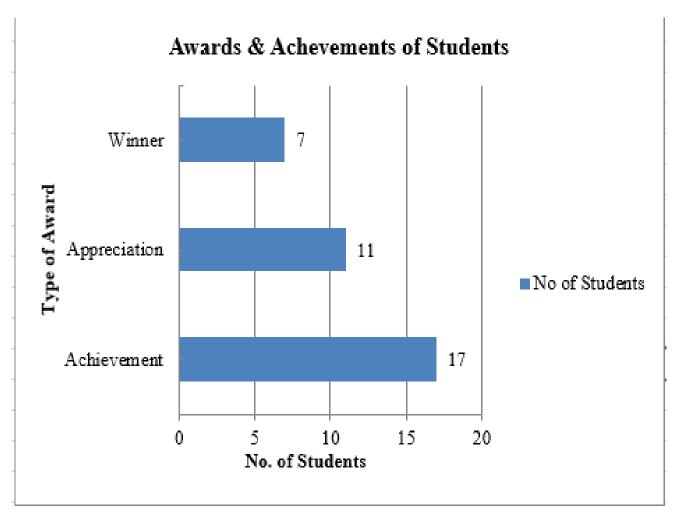


| Sr. No. | Student Name(Write the full name) | Name of the Event/Activity Participated in | Event Name | Level (State/ National/ international /inter college /college Level etc.) | State of Organizer Institute |
|------------|---|--|---|--|------------------------------------|
| 1 | Shrikant Raju Salve | Course | Foundation for Big Data Analysis with SQL | International | Maharashtra |
| 2 | Vaishnavi Santosh Mande | Course | Programming for Everybody (getting started with python) through Coursera | International | Michigan |
| 3 | Nikita Sanjay Patwa | Workshop | German Language Level-A | International | Maharahtra |
| 4 | Yukta Debal Chakravarty | Event | Hacker rank skill certificate for python(basic) | National | - |
| 5 | Priya Venkatrao Bacchewar | Course | The bit and bytes of computer networking | International | - |
| 6 | Priya Venkatrao Bacchewar | Course | Career edge - knockdown the lockdown | National | Maharashtra |
| 7 | shruti rajesh govindalwar | Short Term Training Program | programming for eveybody | International | Maharashtra |
| 8 | Shivali Jagdish Khokad | Workshop | German Language for Beginners Level A1 | International | Nagpur |
| 9 | Tidke Janabai Tukaram | Short Term Training Program | Training | National | Maharashtra |
| 10 | Ratnaprabha Sanjay Purandare | Inter College Competition | Problem solving algorithm | College | India |
| 11 | Aditi Bhagwan Kale | Course | Programming for everybody python | International | University of Michigan |
| 12 | Mayank Krishnakumar Patle | Inter College Competition | CSE digital Magazine | College | Maharashtra |
| 13 | Mayank Krishnakumar Patle | Course | Online course | National | India |
| 14 | Mayank Patle | Quiz | Ganga Quest 2020 | National | India |
| 15 | Aditi Bhagwan Kale | Quiz | Engineering mathematics quiz | College | Maharashtra |
| 16 | Priya Prashant Tangade | Quiz | DBMS concepts with sql | National | Maharashtra |
| 17 | shruti rajesh govindalwar | Workshop | The growing role of IOT in latest technological trends | National | Madhya Pradesh |
| 18 | Aakanksha Tripathi | Workshop | The growing role of IOT in latest technological trends | National | Madhya Pradesh |

| Sr. No. | Student Name(Write the full name) | Name of the Event/Activity Participated in | Event Name | Level (State/ National/ international /inter college /college Level etc.) | State of Organizer Institute |
|------------|---|--|---|--|------------------------------------|
| 19 | Jawale Shruti Pramod | Workshop | The growing role of IOT in latest technological trends | National | Madhya Pradesh |
| 20 | Jawale Shruti Pramod | Quiz | DBMS concepts with sql | National | Maharashtra |
| 21 | Aakanksha Tripathi | Event | Microprocessor awareness quiz | National | Maharashtra |
| 22 | Purandare Ratnaprabha | Quiz | DBMS concepts with sql | National | Maharashtra |
| 23 | Tejaswini Patil | Workshop | online international workshop on German language | international | Maharashtra |
| 24 | Tejaswini Patil | Quiz | quizz on environmental chemistry | college | Maharashtra |
| 25 | Tejaswini Patil | Quiz | knockdown the lockdown science aptitude test | college | Maharashtra |
| 26 | Tejaswini Patil | Workshop | Growing role of iot in latest technology trends | National | Madhya Pradesh |
| 27 | Tejaswini Patil | Quiz | COVID-19 Awareness Program | National | Maharashtra |
| 28 | Yukta Debal Chakravarty | Event | Covid-19 Awareness Quiz | National | Maharashtra |
| 29 | Pragati Prabhakar Lute | Sports | Zenith' 20 (2nd rank) | State | Maharashtra |
| 30 | Aditi Bhagwan Kale | Sports | Zenith' 20 (2nd rank) | State | Maharashtra |
| 31 | Tejaswini Patil | Sports | Zenith' 20 (2nd rank) | State | Maharashtra |
| 32 | Naman Chakrawarti | Event | CSI STPI-YIP Awards 2020 (Region VI) Special Mention (Third Prize) | State | Maharashtra |
| 33 | Suryadevsingh Jamwal | Event | CSI STPI-YIP Awards 2020 (Region VI) Special Mention (Third Prize) | State | Maharashtra |
| 34 | Apoorva Deshmukh | Event | TechnoMIT2019(Project Competition) | State | Maharashtra |
| 35 | Sneha Chandodkar | Event | TechnoMIT2019 (Project Competition) | State | Maharashtra |

| Awards and Achievements | No of Students |
|-------------------------|----------------|
| Achievement | 17 |
| Appreciation | 11 |
| Winner | 7 |
| Total | 35 |

Table 4: Awards and Achievements

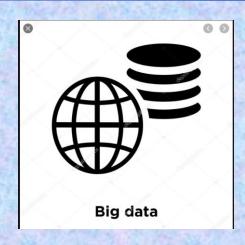


Graph 4: Awards and Achievements



BIG DATA





History of big data:

The concept of big data itself is relatively new, the origins of large data sets go back to the 1960s and '70s when the world of data was just getting started with the first data centers and the development of the relational database.

Around 2005, people began to realize just how much data users generated through Facebook, YouTube, and other online services. Hadoop (an open-source framework created specifically to store and analyze big data sets) was developed that same year. NoSQL also began to gain popularity during this time.

Definition:

Big data usually includes data sets with sizes beyond the ability of commonly used software tools to capture, curate, manage, and process data within a tolerable elapsed time. Big data philosophy encompasses unstructured, semi-structured and structured data; however, the main focus is on unstructured data. Big data "size" is a constantly moving target, as of 2012 ranging from a few dozen terabytes to many zettabytes of data. Big data requires a set of techniques and technologies with new forms of integration to reveal insights from data set that are diverse, complex, and of a massive scale.

Vs of big data:

1. Volume

The quantity of generated and sorted data. The size of the data determines the value and potential insight, and whether it can be considered big data or not.

2. Variety

The type and nature of the data. This helps people who analyze it to effectively use the resulting insight. Big data draws from text, images, audio, video; plus, it completes missing pieces through data fusion.

3. Velocity

4. Veracity

New Batches Starting Soon.....

The speed at which the data is generated and proceed to meet the demands and challenges that lie in the path of growth and development. Big data is often available in real-time. Captured to small data, big data are produced more continually. Two kinds of velocity related to big data are the frequency of generation and the frequency of handling, recording, and publishing.

It is the extended definition for big data, which refers to the data quality and the data values. The data quality of captured data can vary greatly, affecting the accurate analysis.

MIT BIG DATA ACADEMY cloudera cloudera Latest Batch! Pallavi Kamble Shivani Vaidva Surashri Videkar Apurva Kunde Dhiraj Narkhede B.Tech CSE B.Tech CSE B.Tech ETC B.Tech ETC B.Tech CSE Abhishek Hole Meghashri Chaudhari Saurabh Munde Avdhoot Mokashi Meghana Solunke Yukta Chakraborty TY CSE TY CSE TY CSE TY CSE TY CSE Big Data , Big Deal!



RED HAT



Linux Automation (RH294) Training Batch

| Sr. No. | Name of Students |
|---------|--------------------|
| 1 | Mayur Bidwe |
| 2 | Prachi Yerekar |
| 3 | Swati Sharma |
| 4 | Ritu Gour |
| 5 | Omkar Narsikar |
| 6 | Aniket Giri |
| 7 | Aarti Zawar |
| 8 | Pranita Dombale |
| 9 | Harshada Patil |
| 10 | Manisha Rashinkar |
| 11 | Abhishek Choudhari |
| 12 | Bhushan Narkhede |
| 13 | Praful Ingle |
| 14 | Kunal Pusdekar |
| 15 | Mayank Khandelwal |
| 16 | Saurav Padghan |
| 17 | Rutuja Naikwade |

Red Hat certified System Administrator (RHCSA) Current Batch

| Sr No. | Name of Students |
|--------|-------------------|
| 1 | Pushkar Khare |
| 2 | Vaibhav Chauhan |
| 3 | Pranav Rathod |
| 4 | Vedika Deshmukh |
| 5 | Akash Dhanue |
| 6 | Manoj Bodkhe |
| 7 | Yash Mitkar |
| 8 | Utkarsha Wankhede |
| 9 | Geeta Pathrikar |
| 10 | Piyush Sonkamble |
| 11 | Kunal Ghule |
| 12 | Vaibhav Dharekar |
| 13 | Vartika Patil |
| 14 | Mansi Rathod |
| 15 | Mahesh Chandak |
| 16 | Ankit Gaur |
| 17 | Aditi Bhosle |
| 18 | Piyush Kolharkar |





Work from home is an exquistic way to prevent spreading of this fatal stabbing so called the "COVID-19 Pandemic". This is an unbareable situation which we are facing right now. Such fatal situations should be handled with coherence and sanity. This confinement in homes is for the safety of ourselves and to knockdown this lockdown. This Pandemic has both positives and negatives. We have to choose to enrich our assets or liabilities. Some benefits of this state of affair the so called Corona Virus is getting an experience of learning things online, hunting our own hidden potentials within us and many more things to explore. Discussing about the positives of this situation is only fruitful state we can endure. This condition enabled us to learn and work from home which was never thought in the minds of ourselves. Work from home proved to be a great contribution in the field of teaching - learning process of this generation. Thanks to all persons working behind this pandemic to make us safe. A feeling of gratitude to those who are working hard to make us learn from wherever we are.

Article Writing -: <u>COVID-19 Pandemic</u>:-

Introduction:-

Corona Virus Disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus.

Most people who fall sick with **COVID-19** will experience mild to moderate symptoms and recover without special treatment.

Spread:-

The virus that causes **COVID-**19 is mainly transmitted through droplets generated when an infected person cough, sneezes. The droplets are too heavy to hang in the air, quickly falls on floor or surface.

Symptoms:-

COVID-19 affects different people in different ways. Most infected people will develop mild to moderate illness and recover without hospitalizations.

:] Serious

- Difficult y breathing or shortness of breath.
- Chest pain or pressure.
- Loss of speech or movement.

Prevention :-

Protect yourself and others around you by knowing the fact and making appropriate precautions.

- Clean your hands often, use soap and water, or an alcohol-based hand rubs.
- Maintain a safe distance from everyone who is coughing or sneezing.

COVID-19 Impact On Indian Economy:

Economic impacts of 19-20 coronavirus pandemic in India has been largely disruptive.

The world Bank and credit rating agencies have downgraded on India growth for fiscal 2021 with the lowest figure India has been in three decades since India's economic liberalization in 1990's.

COVID-19 Impact on Education

The **COVID-19** pandemic has affected educational system worldwide, leading to the near total closures of school, university and institution.

School closures impact not only students, teacher and families, but have far reaching economic and social consequences.

:] Technology Benefits [:

The technology is not helping the fight with the current health pandemic but will in the future how we deal with recurrent of such health scare.

- MANISH PATLE

GARDENING

A hobby is an interesting pursuit which a person engages himself in for pleasure and recreation, in his leisure hours. It is not one's chief occupation. Everybody seeks relief from the monotony of his daily round of duties. People look forward to gardening every day because it is a rewarding hobby. You get to raise plants that would remain seeds without you and sometimes enjoy the literal fruits of your labor after a harvest. Depending on the size of your garden, you may spend a couple of hours taking care of it or check on it a few times each day.

Benefits of Gardening as a Hobby

Plants Clean Your Air Most people learned in school that trees filter CO2 out of the air. They absorb CO2 and exchange it for fresh oxygen, cleaning the atmosphere a little bit at a time. Smaller plants do the same thing, even in your backyard.

Don't worry about having to grow the traditional spider plants to breathe fresh air in your yard. You can also grow plants like gerbera daisies and peace lilies. Most indoor plants that typically clean indoor air can grow in your outdoor garden without an issue.

Gardening Relieves Stress

It's no mistake that you feel better after you finish taking care of your garden for the day. The routine of tending your plants and working with your hands helps relieve even the worst stress.

Dutch researchers proved this scientifically with a study focused on stressedout groups gardening or reading. The gardening group experienced lower cortisol levels, which is the hormone related to stress. Making a positive change in the world banishes stress and improves your stress levels.

Your Heart Gets Stronger

Other scientists were curious about how gardening affects your heart, so a team of researchers with the British Journal of Sports Medicine conducted a study. Their results found that gardening counts as a moderate-intensity exercise, which reduces heart attack odds by 30% for people over 60 years old. It's an easy, low-impact exercise for those who can't jog on the treadmill or access a gym.

You Reduce Your Carbon Footprint

Gardening as a hobby also helps the planet in more ways than one. If you grow food in your garden, like tomatoes and lettuce, you're also reducing your carbon footprint.

When you eat veggies from your backyard, you're spending less money on pre-packaged and transported products at the grocery store.

Currently, the food industry is responsible for emitting 26% of global CO2 waste by transporting food from suppliers to grocery stores. Stop funding this ecological waste by growing what you can in your garden for your meals.

Your Self-Esteem Grows

Anyone who has raised a successful garden knows how great it feels to see it bloom and harvest your food. That confidence comes from your self-esteem, which quickly grows as you watch your garden flourish.

The best way to experience this benefit is to incorporate new garden plants into your routine and challenge your skills. This year, grow something you've never tried, like a vine plant or fruit tree. As you adapt to new gardening habits, your self-esteem will flourish alongside your plants.

- TEJAS DEVDA







Fig.1 Lady finger (Abelmoschus esculents)

Fig.3 Pineapple (Ananas comosus)



Blockly

Introduction to blockly:

Blockly is a library that adds a visual code editor to web and mobile apps. The Blockly editors uses interlocking, graphical blocks to represent code concepts like variables, logical expressions, loops, and more.

Blockly is for developers. Blockly apps are for students. If you're here to use educational apps rather than build them, check out these Computer Science Learning Opportunities.

Building a Blockly app from a user's perspective, Blockly is an intuitive, visual way to build code. From developer's perspective, Blockly is a ready-made UI for creating a visual language that emits syntactically correct user-generated code. Blockly can export blocks to many programming languages, including these popular options:

- JavaScript
- Python
- PHP
- Lua
- Dart

Here's a high-level breakdown of what goes into building a Blockly apps:

Integrate the Blockly editor. The Blockly editor at its simplest consists of a toolbox to store block types, and a workspace for arranging blocks. Learn more about integrating Blockly in the Get Started docs for Web or Android.

Create your app's blocks. Once you've got Blockly in your app, you need to create blocks for your users to cade with, then add them to your Blockly toolbox. Learn hoe in Create Custom Blocks Overview. Build the rest of app. By itself, Blockly is just a way to generate code. The heart of your app is in deciding what to do with that code. Give Blockly attribution. If you'd like to let people know that you used Blockly to build your app, you can grab a Built on Blockly badge from the Attribution page.

Blockly's strengths and other options Blockly is one of a growing number of visual programming environments. Deciding which one to use in your app is an important step, so here are a few of Blockly's biggest strngths to help you make the decision:

Exportable code: Users can extract their block-based programs to common programming languages and smoothly transition to text-based programming.

Open source. Everything about Blockly is oprn: you can fork it, hack it, and use it in your own sites and Android apps.

Extensible. Tweak Blockly to fit your needs by adding custom blocks for your API or removing unneeded blocks and functionality.

Highly capable. Blockly is not a toy. You can implement complex programming tasks like calculating standard deviation in a single block.

International. Blockly has been translated to 40+ language, including right-to-left versions for Arabic and Hebrew.

- AAKANKSHA TRIPATHI

Courtesy: https://developers.google.com/blockly/guides/overview

Virtual Meetings Facts

Whether you're conducting sales meetings with colleagues or checkins with clients, learn methods to improve your communication skills over video and increase attendees' participation.

With the COVID-19 pandemic changing our very way of life, businesses are rethinking everything. More and more real estate professionals are working from home, which means while you once met with clients and colleagues face to face, you must now meet virtually. The good news is that platforms like Zoom and Google Hangouts make it easy for team leaders to host sales meetings or agents to host client check-ins online. The bad news is that leading virtual meetings requires a skill set many practitioners may not have.

Remote meetings are inherently different from in-person meetings, and this means they are often poorly run. That's a serious concern even in normal times, but in times like these, it can be disastrous. It's crucial that agents and brokers get meetings right—right away.

Another bit of good news (which we need plenty of right now) is that well-run online meetings can be extremely beneficial. According to the Harvard Business Review, online meetings can be even more effective than in-person meetings when done right. Luckily, there are plenty of simple things you can do to make online meetings as impactful as possible.

Don't underestimate the socialization factor. There are various reasons to hold meetings: sharing information, brainstorming solutions, and coordinating activities. But one big reason is socialization. Remotely located teams need virtual meetings to build social bonds in order to work better together. And with the real estate business being built on relationships, agents need to use virtual meetings with clients to build trust.

Right now, you may need to hold more meetings than usual because so many people are feeling isolated and disconnected. The more you can build a sense of community, the better everyone's emotional health and work performance will be. A well-run meeting can actually be a bright spot in an otherwise dreary and depressing day. Establish the mood up front. Meeting attendees likely will be coming from a wide range of emotional spaces—many of them negative—when they arrive. Take control of their mindset and mood by facilitating casual conversation before the official start time of the meeting. Don't let it be awkwardly silent or dominated by a side conversation between just a few of the many people on the line. You can't not acknowledge the pandemic—that wouldn't be authentic—but keep topics around it as positive as possible. You might ask if anyone has a funny story to share, or if they've seen a creative way their community is pulling together or giving back.

Encourage meeting attendees to keep their cameras on. The effectiveness of meetings will increase exponentially if everyone has their cameras on, turning an audio call into a videoconference. This keeps people engaged because they know what they're doing is visible to everyone else. These days, most of your participants will have sufficient bandwidth, and nearly all computers have cameras, so any barriers are largely mattering of habit.

Be strategic about sequencing of activities and announcements. The first item on your meeting agenda should be a restatement of the purpose of the meeting. After that, strategize on the sequence of your activities. For example, if there are any "elephant in the room" topics, deal with those early or they will be a distraction. If you have a fun or exciting announcement, you may want to hold it for the end, letting the participants know that it is coming but keeping the outcome a surprise to create suspense. If an agenda item may be intense or create some heated discussion, don't address it at the top of the meeting. Get people warmed up and feeling productive first, then hit them with the challenging topic.

Find creative ways to keep people engaged. Many online meeting platforms have the ability to issue multiple-choice polls and then show a graph of participant responses.

The same can be done with chat questions. You could also make everyone a presenter, even if you simply ask them to read a slide to the group. Additionally, a breakout workshop allows more participation because people break into smaller groups to do work. Several of the major online meeting platforms, including Zoom and Google Hangouts, now offer breakouts.

Try to give everyone a task. It's possible for one person to present content, facilitate questions, ensure the meeting stays on time, and take notes—but why? Usually there are others who can take on some of these responsibilities. Seek to distribute the roles of facilitator, presenter, timekeeper, and note taker among the participants. If you have a standing meeting, it can be rewarding to rotate these roles to different members of the team for each meeting. Or, you may find someone "finds their home" with a particular role and wants to play it on an ongoing basis.

Gear up with a good headset. If you will be participating in or leading online meetings regularly, purchase a headset that you plug into your device's jack. A good headset will make your voice sound both clearer and richer and will eliminate more of the background noise.

Keep your background visually clean and professional. Pay attention to what is visible behind you onscreen. Ensure the background is neat and professional. Alternatively, some tools such as Skype for Business will blur the background or allow you to automatically insert a substitute background, hiding the environment around you. Also, avoid bright areas of the background, such as a window on a sunny day, as this may put you into shadow.

Sharpen your presenting skills. Use storytelling as an engagement tool. People tend to snooze when you start talking in bullet points. Keep it brief, and look to the meeting outcomes to determine what your audience really needs to know. Vary your tone, changing up your pitch, rhythm, and volume. It will make your presentation more interesting to listen to. And use body language, which can help convey your story.

Wrap things up with a polished completion. Leave time in your agenda for at least a two-minute "ending" to the online meeting. As part of the ending, remind everyone what the objectives of the meeting are, and measure progress against the objectives. If the team fell short, indicate what the plan is to address the remainder. Thank the participants and especially anyone who presented or made a particularly big contribution, and ask the rest of the group to thank them as well. Applause is perfectly appropriate.

- RAMESHWAR CHAVAN



AtmaNirbhar Aahar!

Omkar Bahiwal 25/05/2020

Perspective: AtmaNirbhar Bharat and Food Self-Sufficiency

As a growing movement across India, people are opting for local products. In my opinion, student should opt for local products and promote them. More and more families should be making the choice to buy food from local food producers, even if it's just a portion of their weekly grocery supply. Our Prime Minister has appealed the people of India for an "AtmaNirbhar Bharat" (Self Dependent India). Food is an integral part of our life, Duh! It is also a huge economy influencer. In a nutshell, when you choose to spend money on locally grown food, it keeps your money in your community, from a broader perspective, in your country. Instead of supporting large supermarket chains, you can support individuals in your own community and help them prosper. This will directly help India become a self-sufficient economy in the aspect of food with greater food security.

Locally Grown Food

Locally grown food has countless benefits to offer. There are many benefits to buying locally grown food, and each person makes their choice for different reasons. Locally grown food creates important economic opportunities, provides health benefits and helps to reduce environmental impact. It also helps bring the community together and gives people the opportunity to make a difference.

Additionally, many people feel local food tastes better and lasts longer. They also find peace of mind knowing exactly where their food came from and how it was grown. For others, supporting community economics and building relationships with local food producers is incredibly important, as is protecting the environment. Whatever the reason, buying locally grown food is an important movement to support within your community.

Locally grown food is a broad term that describes food that was grown within a geographical region that could be considered local to your particular area. Whether it's within your county, city, neighborhood or even your own backyard, locally grown food can take many forms.

When buying locally, you may choose to buy food that was grown as locally as possible. Locally grown food can often be found in your regular grocery store, at farmers' markets or within community-supported agriculture programs.

Their approach is based on a concept of food that is defined by three interconnected principles: good, clean and fair.

- GOOD: quality, flavoursome and healthy food
- CLEAN: production that does not harm the environment
- FAIR: accessible prices for consumers and fair conditions and pay for producers

Locally grown food can be producing like fruits and vegetables, or dairy products and eggs, or even locally raised meats. Other popular foods to purchase locally include dairy products, like milk and cheese from cows or goats. Local, organic and farm fresh eggs are another popular food that families pick up at the weekend farmers' market. Even specialty foods like honey, nut butters or canned foods can often be purchased from local producers.

Health Benefits

When we look at the countless benefits of buying locally grown food, it's easy to see why individuals and families are making it a staple part of their diet. Many local food producers choose to use organic and natural pest repellants to preserve the health of the food they distribute. Locally grown food doesn't require long trips to be transported across the country until they reach their final destination. For this reason, food doesn't need to have any preservatives and other chemicals added to it in order to keep it fresh during transit.

Food safety is another growing concern, especially for families with young children and seniors. Food safety refers to a food's level of contamination risk. With imported food, it can pass through several different hands before it reaches your kitchen, increasing the chance of contamination. When you choose to buy locally grown food, you can incorporate more healthy proteins, fruits, vegetables and whole grains into your diet, as opposed to choosing processed and packaged foods that don't provide a balanced diet.

Local Restaurants

Most of the youth today is attracted towards consumerism and blinded by marketing campaigns run by the big multi-national food chains. They look at eating junk-food in a chain restaurant as prestigious. In my opinion, this should be avoided. The Youth should realise that they are demoting the economy of India by doing so. The fast-food chains are not reliable, the food is not fulfilling and makes a big hole in the student's pocket. A lot of chain restaurants buy frozen food in bulk to cut down on costs, resulting in a loss of freshness and flavour. At a Local Restaurant, everything is made in-house. That means all of your food is served fresh. Local, family-owned restaurants care about the quality of their food. They'll never skimp just to save a buck. Buying local means investing in your community.

When you eat at a chain restaurant, their profit goes elsewhere, and it may never come back to benefit your area. Local restaurants keep their spending within the community, so your patronage ultimately helps your country prosper

The Message

Choosing to purchase local food is an important way to support your local economy, contribute to your community, improve your health and do your part to protect the environment. Getting involved in the local food system helps us to gain back the separation we created between humans and food production.

Many of us today, including students, don't have the same awareness about food that we did before modern agriculture practices. Because of this, people are looking to repair their detachment from food production and actively learn more about their local food economy. If you make small weekly purchases from local food producers, your money and support can go a long way toward strengthening your local food system and the Indian economy.

Why there is a unbalance of give and take in life?

Why we sacrifice things but don't get reward in return?

Why there is always a barrier to our own contentment?

Why we choose to get hurt rather hurting others?

When there is only single moment of peace why flare-up of sorrow come about?
The cause of all atop stages is we choose to make them happen instead of contending those.

Always remember upholding a tradition of being silent and creating mess inside Will endure the sufferings......

- AK AQSA KHAN



EVENTS OF DEPARTMENT

Digital Poster Design And Movie Making Competition

National Level Online Project Competition TECH-PRO

Comp-Create 2020

Smart India Hackathon

Digital Poster Design & Movie/Animation Making Competition

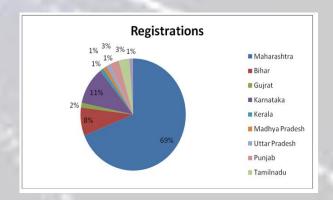
Date of Event:

16th May 2020 to 25th May 2020

Convener and Coordinator: Ms. Sushma Deshmukh

Description:

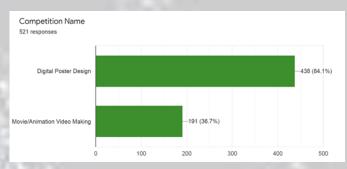
Department Computer Science of and Engineering had organized National Level "Digital Poster Design Online Movie/Animation Making Competition" in association with Computer Society of India, during Covid-19 pandemic situation to engage the student's interest in Covid-19 issues and raise awareness about this issue in a way that is visual, inclusive and fun.



Winners:

First Winner - Mr. Siddharudh Salgar from Walchand Institute of Technology, Solapur.

Second Winner - Mr. Sai Saudar from, Maharashtra Institute of Technology, Aurangabad.





SECOND WINNER POSTER

FIRST WINNER POSTER



Winner Movie

https://drive.google.com/file/d/1LG1wEmzLjsVWbfWlibrqKEoBnGtnZMT-/view

Certificate:





Students feedback:

I really enjoyed it and had a great experience.

It's so intresting and unique I'm really enjoyed it.

Overall compitition is excellent and topics are good.

It was good compítition in lockdown time we can improve our skills.

National Level Online Project Competition TECH-PRO

Date of Event: 27th June 2020

Sponsored by: Findability Science

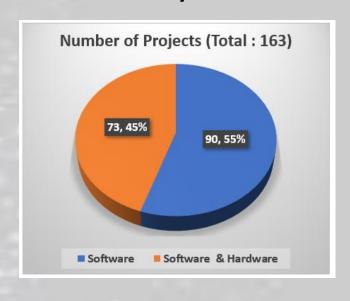
Partner with: Red Hat

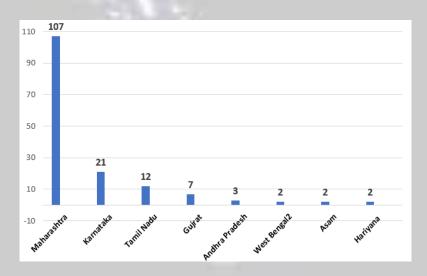


Description:

Department of Computer Science & Engineering, Maharashtra Institute of Technology, Aurangabad, Maharashtra, India in association with The Institution of Engineers India, Aurangabad Branch, and Computer Society of India, was organized National Level Online Project Competition.

State wise entry:





Winners of Tech-Pro:

| | Panel Number | Project Title | Institute Name | City,State |
|--|-------------------------------------|--|--|---------------------|
| | Panel 1 (Software) | Time Series Prediction of Viable Embryo and Automatic Grading in IVF using Machine Learning | Institute of Technology, Nirma University | Ahmedabad, Gujrat |
| | Panel 2 (Software) | Crop Auction | Atharva College of Engineering | Mumbai, Maharashtra |
| | Panel 3 (Software) | Analog Document Search | Bangalore Institute Of Technology | Bangalore,Karnataka |
| | Panel 4 (Software & Hardware) | Automated Hydroponics with Remote Monitoring and Control Using IoT | Vivekanand Education Society's Institute of Technology | Mumbai, Maharashtra |
| | Panel 5 (Software & Hardware) | Traffic Signal Controlling by Vehicle to Vehicle Communication for Emergency Vehicles Using Li- Fi | K. K. <u>Wagh</u> Polytechnic | Nasik, Maharashtra |

Student Coordinator:





Comp-Create 2020

Date:

1st Feb 2020

Convener and Coordinator: Mr. Saurabh Deshmukh sir

Description:

Department of computer science and engineering, Maharashtra Institute of Technology had organized model design competition using Waste Material. BEST OUT OF WASTE is one craft which follows the environment friendly principle and at the same time creates useful and picturesque objects out of waste.



Participated Model:













Contestant:





















Winner team



Smart India Hackathon

Date:

22nd Jan 2020 to 23rd Jan 2020

Description:

Smart India Hackathon is a nationwide initiative to provide students with a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mindset of problemsolving. The first three editions SIH2017, SIH2018 and SIH2019 proved to be extremely successful in promoting innovation out-of-the-box thinking in young minds, especially engineering students from across India.

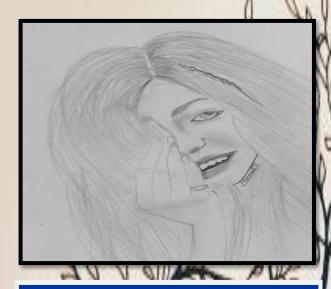


SIH Team:

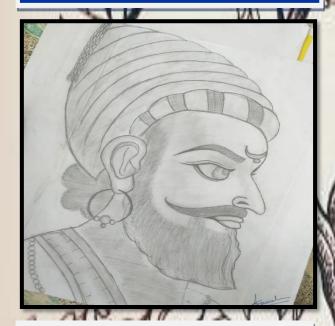




SKETCHES



MANMEET KAUR



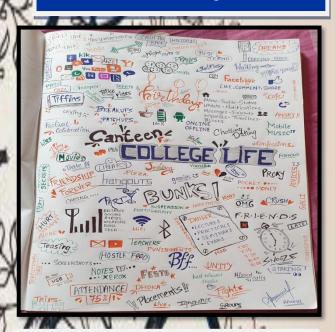
SHRUTI JAWALE



RATNPRABHA PURANDARE



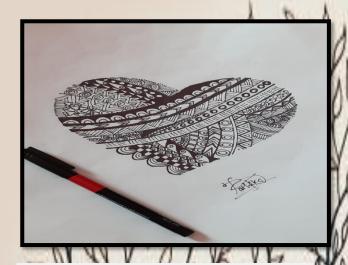
PATHIKA TATKONDWAR



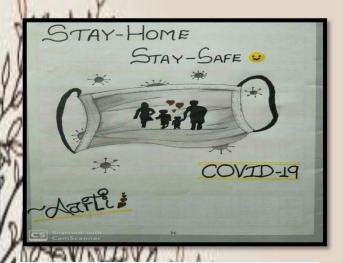
APOORVA DESHMUKH



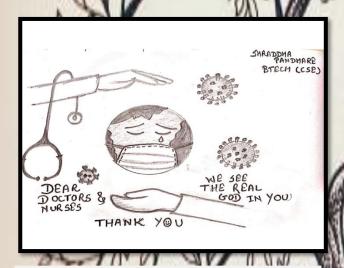
PATHIKA TATKONDWAR



PATHIKA TATKONDWAR



AARTI ZANWAR



SHRADHHA PANDHARE



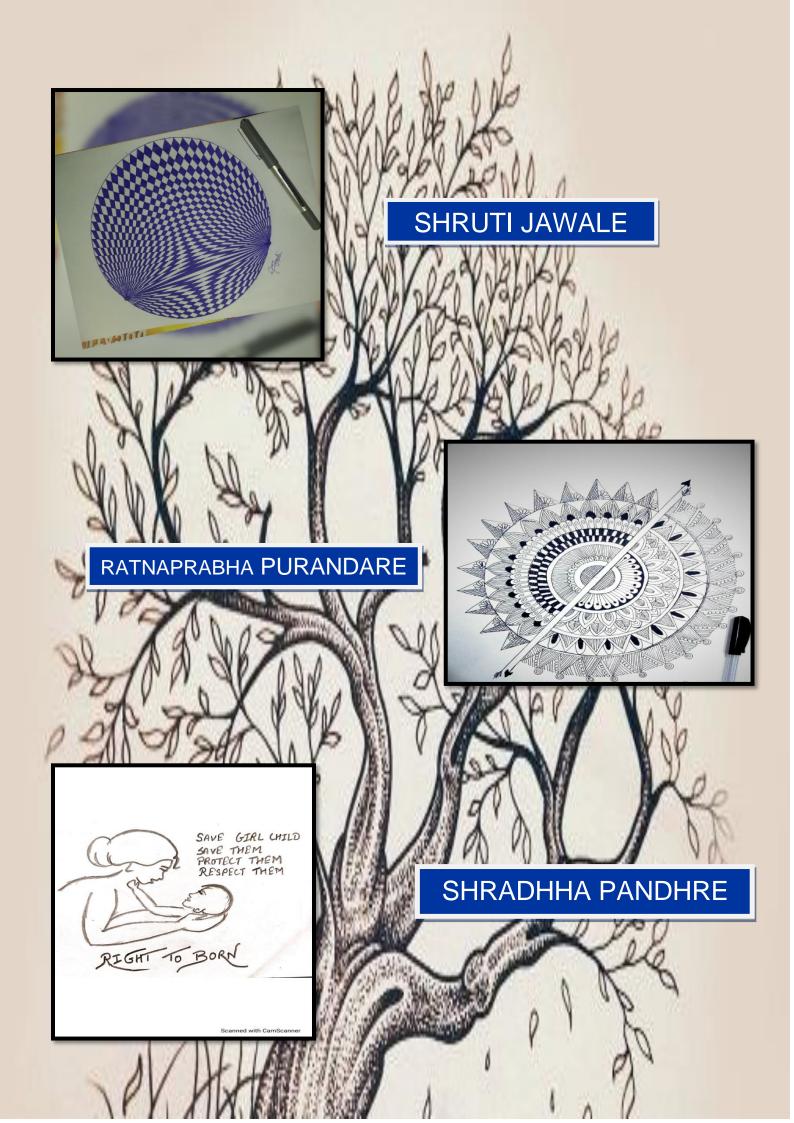
PATHIKA TATKONDWAR



SHRUTI GOVINDALWAR



MANMEET KAUR





SPACE) FOR HEART

"CREATIVITY IS
ALLOWING YOURSELF
TO MAKE MISTAKES.
ART IS KNOWING
WHICH ONES TO KEEP."

COOKING & BAKING

By AAKANKSHA TRJPATHJ

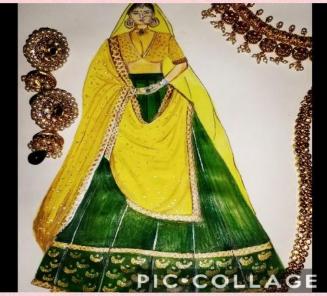


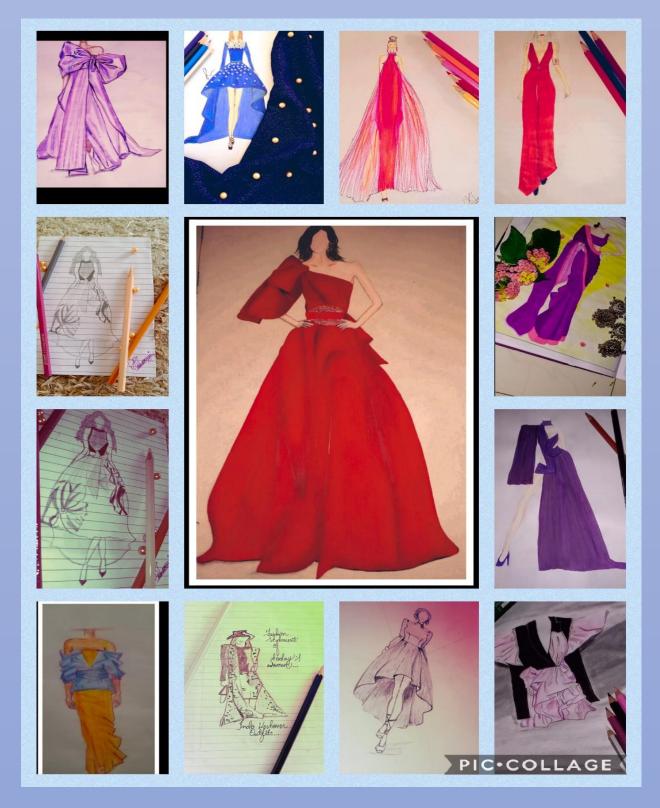
As someone stated wisely, good food is actually the need for a good life and there could be nothing better than to have a hobby of cooking. This is the perfect way of adding spices to one's life. Also baking lets me explore the joy of sweetness both in my emotions as well as in the cakes, cookies, cupcakes, etc.

FASHJON BY RUTUJA MAHAMUNJ



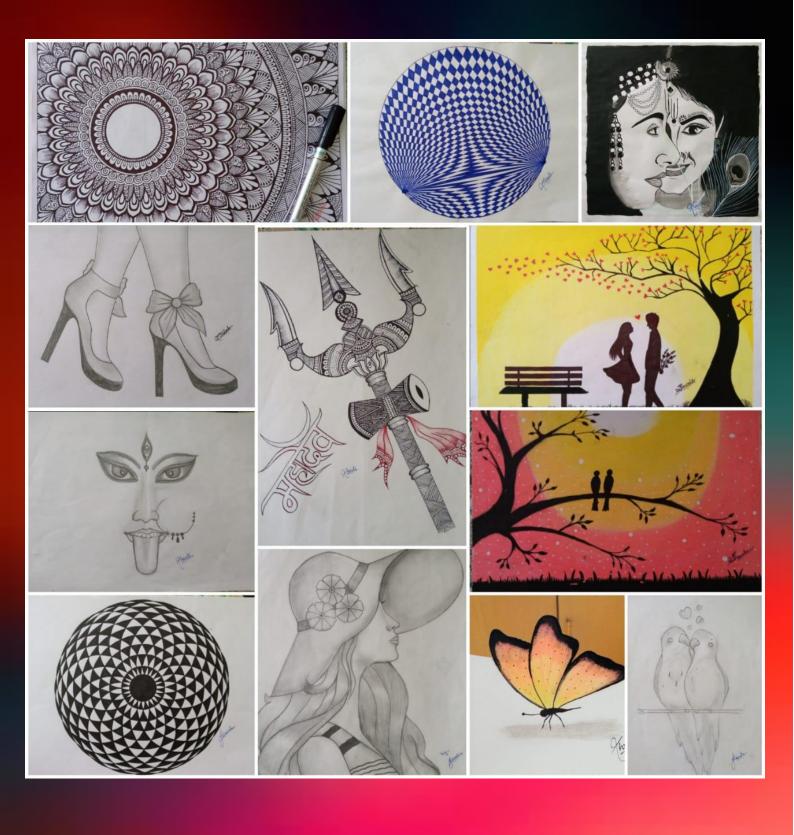






Fashion is a popular aesthetic at a popular time, place and in a specific context, specially in clothing, footware, lifestyle, accessories, makeup, hairstyle and body properties. Whereas a trend often cannotes a peculier aesthetic expression and often lasting shoter than a season, a fashion is a distinctive and industry-supported expression treditionally tied to a fashion season and collection. Style is an expression that lasts over many season and often connected to cultural movements and social markers, symbols, class, and cultre

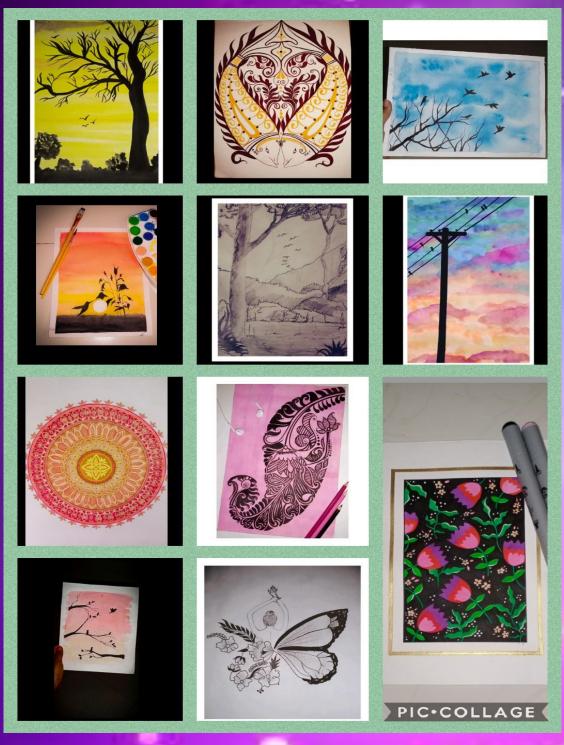
ART BY SHRUTJ JAWALE





I love to do painting and sketching because a good painting and sketching to me has always ben like a friend, it gives me company, comfort and happiness. I dream my painting and drawing and I draw my dreams....its my passion it is an infinitely minute part of my personality...

ART BY RUTUJA MAHAMUNJ



love to look at art and painting, and I almost feel like the experience isnt complete until 1 have made something of my own. All you need to paint is a few tools. A little instructions and a vision in your mind. 1 love to draw a painting which make me happy, the art is for me is experience.

Painting is the practice of applying paint, pigment, color or other medium to a solid surface. The medium is commonly applied to the base with a brush but other implements such as knives, sponges and airbrush can be used.

In art the term Painting describes both the acts and the result of the Action.

COOKING & BAKING

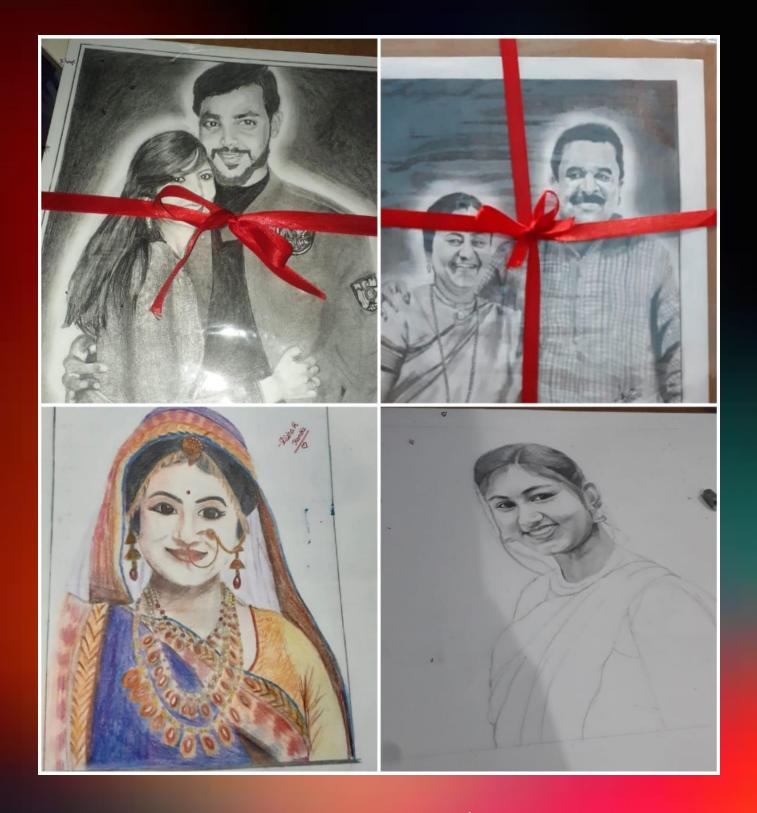
BY RATNAPRABHA PURANDARE



Cooking always me to show my creative side, and create something complex out of simple ingredient. I get to experiment with different foods, with different equipment.

ART BY DISHA KAMBLE





I like to draw sketches, human sketch, object sketch, etc.

i like to do detailed work, and I belive in perfection, and try my best
to achive that......

DRESS DESJGNJNG, STJTCHJNG & GUJTAR

BY AAKANKSHA TRJPATHJ











The way you look is the way people perceive you. For me to envision a design for a dress and then stitch it the way I want it to be is the most appealing thing. I believe this particular aspect allows me to be different from others and unique at the same time allowing me to look the best in my own creation.

Guitar and music for me goes hand in hand. Although I neither master in guitar nor in singing, but that is what lets me quote it as one of my hobbies. As what counts is the interest and belief in you.

QUOTES By Shreya Kotalwar

All of us are on a journey towards

Towards...

Drawing line to designing a dream...

Decline to incline...

From being swine to extremely fine..

Boring to Cheering...

Spending to Earning...

Leaving to Staying...

Caring to loving...

And...

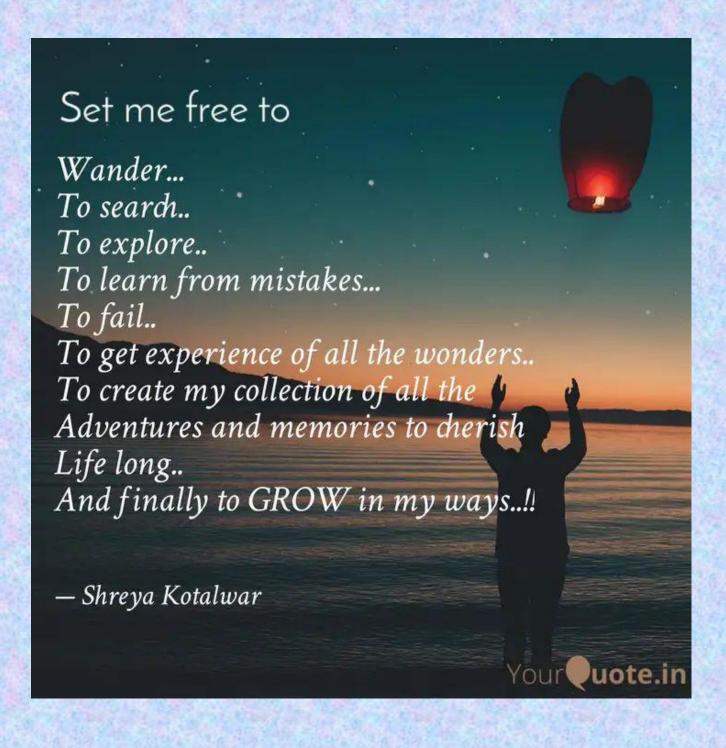
Living to dying...

Or

Dying to Living.....

— Shreya Kotalwar

Your **Quote.in**



There was a bird...
Love to dream..
Enjoyed flying in the free open sky..
Always trying to reach new heights daily...
And one day got trapped...
(Here is a short imaginary story..
Read in Caption)

Shreya Kotalwar



POEMS

BY MAYA SHELKE

उठ मानवा जाग आता सोड हे जातीयतेचे बोल, माणुस म्हणूमी जन्मास आला माणुस म्हणूमी डोल... ॥धू॥

पुढे रोजनी तोड टे जाळे बंधु भावान जगुया व्यगळे, परंपरा ही तोडून व्यारी जप स्कीचा मेत्र अनमोल 11911

> कोशी हिंदू, कोशी मुस्लिम कोशी म्हणता शिखक्वतःला, परी कोशीना जानीले माणुस म्हणूनी आला जाइमाल धर्म पंथाच्या तराजुमध्य माणुसकी तु तोल --- 11211

ठारिब दुब्छा क्रमाज सारा जा जातियतेने ग्रासुन गेला, अन्न एक ,वस्त्र एक असती एकच निवारा, मग का लावता त्यांना तु द्यमिचा पहारा नव्या जगातील नष्या सुमात सन्मानान बोल ॥ इ॥

- माया गीतम शेलके

काळजाला चिरुन जाठाारी मनाला मोहून टाकाणारी; शब्दरचना अशी असाबी कि वोळलेल्या झाडालाही पालवी फुटावी ॥ धृ॥

> शब्द नुसता शब्द नसावा त्यात आपला प्राण ओतावा जनमानाच्या हृदयावर, लेखणी अशी झिजावी

कि वाळलेल्या झाडाला पालवी फुटावी ॥१

पाहता क्षांचि मन अर्ज यावे नक्छत रास्य ओठांवर दिसावे अशी कोरावी मनात अन पापनी भिजावी कि वाळलेल्या आडालाही पालवी फुटावी --- 11211

> मुसती कविता लिहून चालत नाही अग्रंध नसेल तर फुलही कोगाला आवडत नाही प्रत्येक ओळीची असावी वेगळीच आकृती वाचुन मागसात व्हावी जागृती, प्रेम आणि मेत्री ने ती अशी नटावी कि वाळलेल्या झाडालाही पालवी फुटावी--- 1131

> > - माया गीतम शेळके.

Mehendj, rangolj design & Doodljng

BY AAKANKSHA TRJPATHJ



Rangoli in its own way gives a perfect blend of colors. It purely defines the right blend of colors at the correct places can surely create wonders



Cooking By rutuja mahamunj



Cooking or cookery is the art, technology, science and craft of using heat to prepare food for consumption. Cooking techniques and ingredients vary widely across the world, from grilling food over an open fire to using electric stove, to baking various types of ovens, reflecting unique environmental, economic, and cultural traditions and trends.



SKETCHING(drawing)

Drawing is a hobby of a lot of students. It is like meditation. It satisfies you a lot when you Draw a perfect art. It helps you to reduce stress and enjoy the time. You can enhance your skills and learn from various ways like YouTube and online course.

- SOMESH KHARAT

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