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Universal College of Engineering

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An Initiative By



Department of Information Technology

#Satyavachan



“Every work has got to pass through hundreds of difficulties before succeeding. Those that persevere will see the light, sooner or later.”

Swami Vivekananda

Staff Coordinators:

- Ms. Shraddha Sandimani
- Mrs. Mudra Doshi

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Top 5 skills to become the best robotics engineer in 2023

- At this moment, robotics engineering is quickly becoming one of the most in-demand and up-and-coming occupations in the field of technology. It is the area of study that is concerned with the development, building, application, and operation of robots. The objective of robotics engineers is to develop intelligent devices that can assist and be of use to people in their day-to-day lives, particularly in the performance of labour-intensive activities that are often beyond the capabilities of a single person. This article presents the top robotics engineering skills for 2023 that you need to learn before entering the domain. As you continue to grow your interest and enthusiasm for robotics in the following years, this post offers you the top robotics engineering skills that you need to master.

Micro-robotics:

- The use of micro robotics is becoming more commonplace as each day passes. Using only manual control, microrobots are being put to use for a variety of important tasks, including drug delivery, cell manipulation, micro assembling, and biosensing. These tasks are currently being carried out. The use of microrobots has also shown to be highly helpful in relief efforts after natural disasters. Therefore, professionals working in modern robotics engineering and aspiring roboticists should make an effort to master this skill if they want to achieve success in their careers.

Automation:

Learning about automation in conjunction with the development of robots is something that robotic engineers are practically required to study. Robotic activities may be manipulated and processed more efficiently with the help of automation. Engineers specialising in robotics may put their expertise of automation, computer engineering, electrical engineering, and mechanical engineering to work to cut down on the demand for human labour in manufacturing facilities.

- **Programming and Coding Skills:**

- Engineers need to be well-versed in many programming languages such as C, C++, Python, and Java in order to have a successful career in robotics. However, there are a number of key differences between the programming that is done for robotics and the programming that is done for software development.

- **Linux:**

Linux is an operating system that is quite similar to Unix and is used by millions of people all over the world. The Android operating system is really powered by the open-source Linux operating system. The programme is well-known for its ability to safeguard complex computer systems. This is an ability that advanced robotics systems really need to master in order to be able to construct safe robotic systems.

- **CAD:**

Engineers that specialise in robotics are capable of authoring a wide variety of patents, electrical designs, electric power evaluations, and CAD models. The process of designing robots may be rather challenging, however, CAD can help with the process of modelling robotic components.

- **Source:**

<https://content.techgig.com/upskilling-at-techgig/top-5-skills-to-become-the-best-robotics-engineer-in-2023/articleshow/100062507.cms>

- Mr. Akshay Agrawal
(Assistant Professor)

Beware of scammers



WhatsApp scam alert: Beware of calls, messages from international numbers

WhatsApp scam alert: Although the calls are made from phone numbers with country codes of Indonesia, Vietnam, Malaysia, and Ethiopia, they are not necessarily made from these countries.

Most of these calls come from phone numbers that start with +251 (Ethiopia), +60 (Malaysia), +62 (Indonesia), +254(Kenya), and +84 (Vietnam). Although they carry the country codes, the calls can be made from any part of the world as WhatsApp calls are done via the internet and there are agencies that sell international numbers for WhatsApp calls in different cities.

If you respond to these calls or messages on WhatsApp, the person on the other side is likely to offer a job that sounds lucrative with little effort, but may eventually end with you losing all your money.

The scammers pretend to be from a reputed company offering part-time jobs that can be carried out from within the comfort of your home. In most cases, they first lure people by offering them a small reward for completing a "task". Once the user gets their money, they begin to trust the "employers" and get caught up in a much larger scam costing them a lot of money.

Billionaire and Zerodha CEO Nithin Kamath recently shared how his friend lost Rs 5 lakh over a similar scam via WhatsApp.



Source :

<https://www.moneycontrol.com/news/trends/whatsapp-scam-alert-beware-of-calls-messages-from-international-numbers-10547861.html>

- Dr. Yogita Mane
(Head Of Department)



WHAT'S APP SCAM INTERNATIONAL CALL COMING



STAY ALERT!!

01

Turn on Two-Step Verification

WhatsApp's Two-Step Verification adds a security layer with a six-digit PIN to prevent phishing attacks and account takeover.

02

Block and Report that number

Report suspicious accounts/messages on WhatsApp and avoid sharing personal info, sending money, or answering calls from unknown numbers to prevent scams.

03

Set Group Privacy Settings

WhatsApp privacy settings and group invites help users boost privacy by controlling group additions, reporting suspicious groups, and leaving them.

04

Hide Personal Information

WhatsApp privacy settings let users limit the visibility of personal information and online presence to contacts, safeguarding their account and information from bad actors.

05

Stop and Think

Avoid giving up sensitive information to scammers, users should stop and think when receiving suspicious texts or requests, avoid acting impulsively, and never click on suspicious links.



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ITDA, UTTARAKHAND

INFORMATION TECHNOLOGY DEVELOPMENT AGENCY, UTTARAKHAND

- Mrs. Sanketi Raut
(Assistant Professor)

How to deal with exam stress

Exam season can bring on levels of stress and burnout that can hinder your studies. Here are some handy tips on how to manage your anxiety. Exam stress affects most students in varying ways. It is important to manage this stress and find little ways of helping to eliminate the risk of burnout. For some students, exams can be a breeze; revision is second nature to them and they could ace an exam with their eyes closed. But for others, sweaty palms and heart palpitations are just a part of the territory, and it seems that nothing is more impossible than sitting down and revising. Here are some handy tips that can help to dissipate stress and make sure you can get through exam season.

1. Take regular breaks and schedule in fun things to look forward to Even the most intense exam timetables will allow a little time for a study break. This can include 20-minute breaks during your revision day, and longer activities that you can look forward to. Go out for dinner with friends, go to the cinema, attend a gig, anything that you like doing in your spare time that will take your mind off exams. Spending a little time away from the books will leave you feeling more refreshed and relaxed the next time you revise.

2. Exercise and get outdoors - Easily one of the most frustrating things about exam season is that it seems to occur just as the weather brightens up. Use this to your advantage and go out for a walk, or a run, or head to the gym or swimming pool. As well as keeping you healthy, exercise is known to boost your mood and can help to make you more productive while revising.

3. Don't (always) listen to others As the old saying goes: "comparison is the thief of joy". While it is helpful to discuss topics with fellow students and often to revise together, try not to compare other peoples' revision to your own. Chances are you're doing just fine, and listening to other people talk about what they've learnt will only stress you out and may make you feel like you aren't progressing as well as them. Plus, if they themselves are stressed this can rub off on to you and other people's stress is not what you need right now.

**- Mrs. Rovina D'britto
(Assistant Professor)**

4. Speak to someone - If the stress gets to a point where it is overwhelming, and is affecting your day-to-day life, try and speak to someone about it. Your university or school should have a service where you can speak to people about your concerns, and will be able to offer more advice on how to manage it. If that seems like too big a step, open up to a family member or a friend about the pressure you feel. You'll be amazed to know that you aren't alone in feeling like this.

10 quick ways to help eliminate exam stress

Watch a film, a TV show or listen to a podcast or comedian that makes you laugh.

Drink some herbal tea or a hot chocolate. It's a well known fact that hot drinks are known to soothe the soul (avoid too much caffeine though!).

A shower or a bath can help to relieve stress.

Cook or bake something. Just the thought of having something delicious to eat can bring you joy. As a bonus side note, try and cook something healthy too. You can't feed your mind well, if you don't feed your body well.

Get some sleep. The virtues of a good night's sleep during exam season should not be underestimated.

Keep things in perspective. Yes, exams are important. But you are so much more than your exam results.

Avoid other stressed people. You know the ones I mean. The ones with cue cards outside of the exam hall, frantically trying to remember key dates and equations. They will do nothing for your stress levels.

Avoid the exam "post-mortem". You don't need to know how other people fared in the exam. You've done your best, you can't go back and change your answers so the second you step out of the exam hall, focus on your next exam.

Be flexible. While having a revision time table is one of the best tools in your arsenal for exam success, don't be too hard on yourself if you don't stick to it. If you accidentally oversleep, don't write the day off.

Write down everything you feel like you need to do and try and tick one thing off. Just the act of feeling like you are in control of your revision can help.

Source:

<https://www.timeshighereducation.com/student/advice/how-deal-exam-stress#survey-answer>

**- Mrs. Rovina D'britto
(Assistant Professor)**

Buddha purnima - 5th May 2k23

Buddha Jayanti: A Celebration of Love of Compassion

Buddha Jayanti or Vesak is the most important of festivals of the Buddhists all over the world. It is celebrated on the Full Moon Day of May (Vaisakh) and is celebrated as the thrice blessed day as all the important events in the life of Lord Buddha — His birth in Lumbini, His attainment of Enlightenment in Buddhagaya and entering into Mahaparinirvana in Kusinagar took place on this eventful day.

Buddha Purnima celebrates the birth of Siddhartha Gautama Buddha. It is celebrated on the Full Moon Day of Vaisakh. For Buddhists, Buddha Purnima is the most significant day, because on this day three important events of the Buddha's life took place: His birth, His attaining enlightenment, and His death, Parinirvana. On this day, people celebrate the Thrice Blessed Festival.

Gautama Buddha was raised in a prosperous family, but the suffering he witnessed in the world deeply troubled him. He, therefore, gave up his life at the age of 29, he left his palace and began a spiritual quest, seeking enlightenment and finding a way to end human suffering. He spent many years studying and meditating, until one day he had a special experience that helped him understand how to overcome suffering. He spent the rest of his life teaching others about compassion, mindfulness, and non-attachment to worldly desires, which became the foundation of Buddhism, a new religion.

Some important Quotes on Buddha Purnima

"The mind is everything. What you think you become."

"The way is not in the sky. The way is in the heart."

"To understand everything is to forgive everything"

"To conquer oneself is a greater task than conquering others"

"Three things cannot be long hidden: the sun, the moon, and the truth."

Source: <https://www.vedantu.com/blog/buddha-purnima-celebration>



**- Mrs. Shraddha Sandimani
(Assistant Professor)**

Important Days and Dates in June 2023

1 June – World Milk Day

World Milk Day is observed globally on 1st June every year to celebrate the important contributions of the dairy sector to sustainability, economic development, livelihoods and nutrition.



5 June- World Environment Day

World Environment Day is observed every year on 5 June and is celebrated by more than 100 countries. The environment is a major issue, which not only affects the well-being of the people but also hampers economic development throughout the world. The theme of World Environment Day 2021 is "Ecosystem Restoration".

12 June - World Day Against Child Labour

This day is launched by the International Labour Organisation (ILO) to focus attention on the worldwide extinction of child labour, efforts and the action required to eliminate it. In 2015, world leaders adopted the Sustainable Development Goals (SDGs) in which they included a clause to end child labour.



14 June - World Blood Donor Day

World Blood Donor Day is observed on 14 June every year to raise awareness about the urgency of blood donations all over the world and to acknowledge and appreciate blood donors for their support. This year's slogan is "Donating blood is an act of solidarity. Join the effort and save lives".

18 June - World Father's Day (3rd Sunday of June)

It is observed every year on the third Sunday of June to commemorate fatherhood and appreciates all fathers for their support and contribution to society. In 2023, World Father's Day falls on 18 June.



21 June – International Yoga Day

International Yoga Day is celebrated across the globe on 21 June to raise awareness about yoga in life and to make people aware of the benefits of yoga. In India, International Yoga Day is celebrated by the Ministry of AYUSH.

Certificate of Appreciation



We Appreciate student of TEIT Mr. Mann Kanse for actively participating as volunteer at the CSI CYBER FIFC conference and Cyber Security Awards 2023 held at IIT Bombay on 26th-27th May 2023

**DEPARTMENT OF INFORMATION TECHNOLOGY
WISHES ALL THE STUDENTS OF BE 2022-2023
BATCH A VERY GOOD LUCK AND BEST WISHES FOR
FUTURE ENDEAVORS**



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