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IEEE Women in Engineering
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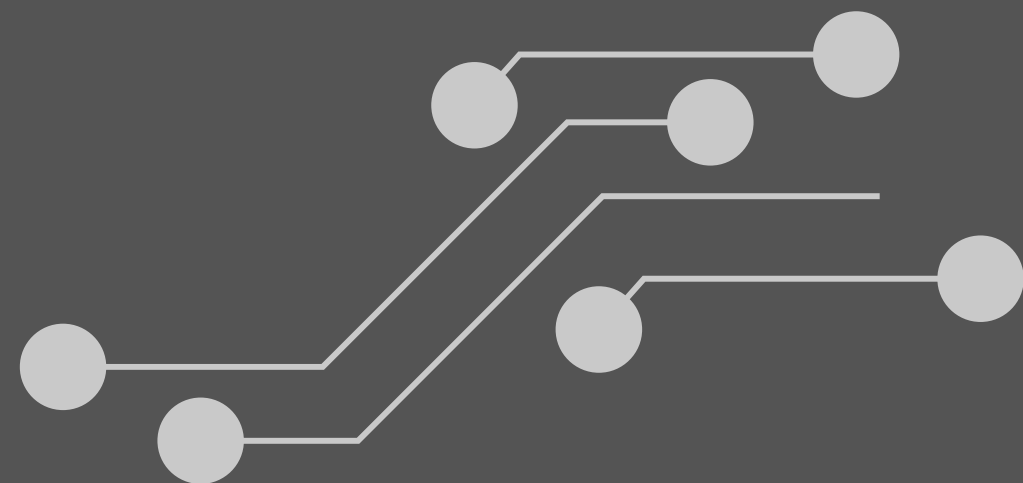
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PRESENTS

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Code4Covid

ONLINE HACKATHON





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About Hackathon:

Hackathons allow young minds to flex their creative and technical muscles to solve real-world scenarios.

Code4Covid hopes to harness the intellect of the students to provide viable solutions while providing a virtual environment to learn and apply relevant technology. In these times of uncertainty, **Code4Covid** aspires to provide you with the opportunity to implement a solution to the challenges of COVID-19 that is impacting everyone's family members and friends. It's time for the students to hunker down and geek out.

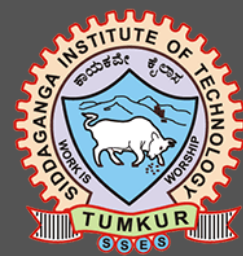


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Theme Description:

Code4Covid is an opportunity for developers to build software solutions that drive social impact, to tackle some of the challenges related to the covid pandemic. Given the isolation currently being experienced, we want to create an online space where young developers can ideate, experiment, and build software solutions and have a try to help address this crisis. **Code4Covid** is here to help spark your ideas and solve problems around us to curb this pandemic.

Theme: Post Covid Solutions



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Event flow:

1. Selected teams should attend the **orientation program** at **7:30 AM** on the contest day, where all instructions and doubts regarding the event will be clarified by the Mentor.
2. The contest will begin at sharp **8:00 AM** and end at **6:00 PM**.
3. At every **checkpoint**, Mentor will check your progress and give some suggestions, if necessary.
4. There will be **3 checkpoints** in the contest. **Scores** will be assigned at every checkpoint based on your progress and changes made based on the suggestions by the mentors.
5. Based on **points** scored, teams will be shortlisted for the next round. Based on the performance in the **second round**, the **winner** will be decided.



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Timeline:

Date: 27th June

Reporting time: 7:30 AM

Event start time: 8:00 AM

Event End time: 6:00 PM

Participants: Minimum 2 and Maximum 4 members

Registration fee: ₹200/- per team

Last date for Registration: 22nd June

Last date for abstract submission: 22nd June



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Registration details:

1. Registration has to be done in a team with a minimum of 2 and a maximum of 4 members.
2. Each team must choose a problem domain and prepare an abstract of their proposed solution for the problem. The abstract format will be sent via email.
3. Each team can register for more than one problem domain, the best out of all of their solutions would be selected and this increases your chances of selection.
4. The submissions will be reviewed and the teams will be selected to participate in "Code4Covid" based on their innovative solution.
5. The selected teams will only be invited to come to the event on the specified date.



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Rules, regulations and eligibility:

1. It is an 8 hours online hackathon.
2. Each team can have at least 2 members and can have a maximum of 4 members.
3. At max, 40% of the project can be completed before the hackathon.
4. A team may consist of students from a different college. All students with a valid identity card from their respective colleges are eligible to participate in the event.
5. Once a team has registered, any changes in the team members will not be entertained.
6. The organizers reserve the right to make any modifications in rules as they deem fit, important updates would be duly informed to the participants.
7. The decision of the judges will be final.

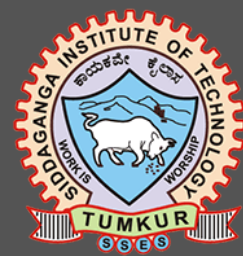


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Problem domains:

- 1. Healthcare**
- 2. Supply chain**
- 3. Workplace management**
- 4. E-learning**
- 5. Miscellaneous**



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Domain description:

1. Healthcare:

Health related challenges of the current coronavirus pandemic can be solved using available technologies. Think of how technology can solve the problems in the current healthcare infrastructure. You are expected to come up with innovative solutions built to address and scale a range of health initiatives, including preventative/hygiene behaviors, supporting frontline health workers, scaling telemedicine, contact tracing/containment strategies, treatment, and diagnosis development.



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Domain description:

2. Supply chain:

A supply chain encompasses everything from the delivery of source materials from the supplier to the manufacturer through to its eventual delivery to the end-user. But covid has left a significant impact on the global economy and all the levels of the supply chain are encountering various types of failures. Come up with innovative solutions that carry the supply chain back to its normal or even a better state, by solving the problems faced at different levels.

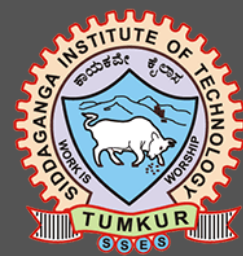


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Domain description:

3. Workplace management:

Workplace management is the cornerstone of maintaining the frictionless environment of the workplace where employees can work efficiently, safely, and ensuring that the overall execution of facilities management but sudden shift to working from home due to covid touches on many other aspects of the pandemic's impact on workers and organizations. They point to the economic, social, and psychological challenges which can be solved.



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Domain description:

4. E-learning:

As the world shifts to online learning, teachers are struggling to motivate disengaged students remotely. We are looking for innovative solutions improve the remote education experience and allow users to continue without disruption even in challenges like the COVID-19 pandemic, which forces schools and universities to close down. Propose and execute moonshot ideas to help learners of various universities and research institutes across the world to learn online.



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Domain description:

5. Miscellaneous:

Can't find a suitable theme for your innovative solution that could help people in the current coronavirus pandemic? Build the ideas that you believe in!

We invite all ideas across any domain targeting the pain point of this hack. Put on your thinking caps and start submitting your innovative ideas. Go creative with ideas that can help one, and help all in need.



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Judging Criteria:

1. There will be three checkpoints throughout the hackathon, at each checkpoint the evaluation will be done based on different parameters and points will be assigned.
2. Based on the points earned by the teams in the first round, top teams will be selected for the next round and the performance in the second round will decide the winner.



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FAQ's:

What do we have to do on that day?

Given the constraint that you are only allowed to complete 40% of your project before the hackathon. You need to develop the rest of your project within the 8-hour time frame. Technical assistance will be provided by the domain experts allotted to your team.

Who can participate?

Everybody is welcome and can apply. You don't have to be a programmer and you certainly don't need to have a degree in Computer Science! Specifically, we are looking for hackers, coders, makers but also for innovators, engineers, creative people, designers, data geeks, and startups. Because our challenges are not only limited to programming! We will nevertheless hand-select the participants and tell you the latest if you are invited to participate.

What is in for me?

Learning new skills, looks good on your CV, networking, winning cash prizes, working as a team, meet great people, have great food, and having fun!



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FAQ's:

Can we use any programming language?

Yes.

What should I have?

Bring your laptops, mobile phones, kinects, oculus rifts, leap motions, wearable computing devices, to whatever inspires you or you want to work with.

I have a question or concern what should I do?

Contact us. Don't be shy! We are here to help and create a great atmosphere.

What is the Program/Timetable?

Please check the agenda on the home page, small changes might occur.

When do I get the data information needed?

We will send you additional information beforehand and contact you before the hackathon.

Is it okay if are not able to complete the project?

It's okay if you are not able to complete the project. The evaluation will be done on the basis of the progress of your project from time to time.



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Contact Details:

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THANK YOU!



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