



Government College for Men (A)

Kadapa, Andhra Pradesh
(NAAC Re-accredited at "B" Grade)

National level Idea Challenge Covid-19-Ideathon



Organizing Committee

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APCCE

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Innovation Center
Co-ordinator

Co-convenor
Smt. B. Rajeswari
HOD, Dept. of Chemistry

Organizing Secretary
Dr. S. Khadar Basha
IQAC Co-ordinator



Cash Prizes

1st Prize: Rs 3000

2nd Prize: Rs 2000

3rd Prize: Rs 1000

About the College

Government College for Men, Kadapa was established in 1948. It is one of the oldest and the most prestigious institution in Rayalaseema with 2000 students offering 19 UG courses (B.Sc, B.A & B.Com programmes), so also six PG courses. It has been making a benchmark in educating the stakeholders who have reached their goals successfully. The APCCE identified this college as ID College for Kadapa District. Recognizing the worth and the calibre of the faculty, the college was conferred with Autonomous status in 2012 by UGC. This college was re-accredited with B-grade under III-cycle by the NAAC (2019).

About the Department

Department of Chemistry was established in 1954 with an objective of providing quality science education in the conventional areas of sciences. It is the major department in the college with 10 sanctioned posts with 600 chemistry students serving 6 chemistry combinations (MPC, BZC, GPC, BCBioTech, ZCBiotech & BCH) in undergraduate programme. The department is gifted with dedicated, motivated and enthusiastic group of faculty members actively involving in both teaching and research. The department encourages the stakeholders in doing MOOCs, Internship and Innovative activities.

About Ideathon

Ideathon is a brainstorming event to help young students to innovate new ideas to Covid-19. Covid-19 is highly contagious and is transmitted through the exposure to respiratory droplets of infected people or via contact transmission etc. To prevent the infection, social distancing, washing hands frequently, wearing gloves and masks to protect exposed body parts are recommended. We want to harness the creativity of solvers and ask you to propose a COVID-19 Challenge that could help mitigate this global outbreak.

Organized by
Department of Chemistry
In Collaboration with
IQAC & Innovation Center

Objectives

This task gives an opportunity to the students, academicians and innovative brains to think differently. As well, apply the acquired knowledge to find alternative solution to the real challenges. To make the students be a part of the mission against coronavirus.

Expected outcome

At the end of this challenge, the participants may not only know the real problems with Covid-19 but also involve physically and mentally to solve the given challenge. In addition to that, they may get an idea, how to write the effective proposal to fulfill the requirements of seekers. It makes the solvers think differently and generate an idea which comes into existence with affordable cost, to solve the community problems which are feasible to be implemented in the best interest of the society.

Important Information

#The participants will get appreciation certificate after submission of challenge

#This is theoretical challenge requires only a written proposal

#The solvers are not required to transfer IPR to the seeker



Challenge 1: An alternative liquid for hand washing or sanitization

Corona virus is highly contagious and is transmitted through contact transmission via hands is higher, frequent hand wash reduces the transmission of COVID-19. However, it is difficult to clean our hands regularly, when we are outside, as it requires plenty of water to clean hands. On the other hand, the alcohol based sanitizers are not only volatile (prone to fire) but also have less wet contact time to kill the virus. Frequent use of alcohol based sanitizers and soap liquids create skin rashes and irritation.

We are looking for ideas which establish an alternative liquid (like gel or foam or thin film or masking cream) for hand washing or sanitization. When it is applied to hands and other open parts of the human body would prevent people from being infected with the COVID-19 virus.



Challenge 2: Corona virus protecting devices

Masks and hand gloves are common personal protective equipments (PPEs) to reduce corona virus attack. However, wearing gloves can give you a false sense of security, because, the virus adheres well to latex and other types of gloves, if you touch your face at any point, you have still potentially exposed yourself to the virus. On the other hand, gloves may protect us from direct catching of virus to our hands. So, when we are outside, we would most likely use gloves, because we may not have access to soap water, hand sanitizers to clean hands regularly. Gloves are essential tool for doctors, nurses, sanitary workers and health care professionals.

Keep in mind that anything you touch with your gloves could technically be contaminated too. So, cross contamination is most dangerous thing to spread corona virus. We are looking for new ideas related to PPEs to prevent the transmission of corona virus either in the form of corona virus inactivating gloves or wipes or masks.



Who can participate

Anybody who has innovative brain can participate in this challenge. We do expect more number of young students and researchers may participate in this Ideathon.

Important dates

#Last Date of Submission: 10th June, 2020

#Announcement of Winners: 15th June, 2020

Note: Any problem arises in submission via Google Form, the ideas may be send to

bramachandra84@gcmkadapa.ac.in

Address for Correspondence

Dr. B. Ramachandra, Covenor

Govt. College for Men (A),

Kadapa-516004, AP,

Email: bramachandra84@gcmkadapa.ac.in

Phone No: 91-9492753765

For submission of challenge,
Scan QR Code
(OR)

Click on the following link

https://docs.google.com/forms/d/e/1FAIpQLSeCLbA3IRBTBEdXVragoIA_RJ_eXX8tYOxFIVWMVFFsqf7HKw/viewform?usp=sf_link



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