

Internship through Drug Discovery Hackathon with massive training sessions from 13 th July 2:30 pm onwards on YouTube Channel: MHRD Innovation Cell.

Dear Students/ faculty members and researchers,

1. Hon'ble PM Shri Narendra Modi suggested to conceptualize a 'Hackathon' involving our technology youngsters to associate in identifying/designing and development of new drugs against Covid-19 using 'Computational Drug Discovery Approaches'. Considering this suggestion, Ministry of HRD, S and T, AICTE, CSIR under the guidance of Principal Scientific Advisor, Govt. of India conceptualized the 'Drug Discovery Hackathon' against Covid-19, which was launched on 2nd July 2020.

2. Already 29 Problem Statements have been announced and the professionals, faculty, researchers and students from different fields (eg; Computer Science, Pharmacy, Bioinformatics, Chemistry, Biotechnology, etc.) are expected to collaborate and form teams to offer new solutions/drug molecules for the announced problem statements.

3. For high quality submissions for this Hackathon, the 'Massive Online Trainings Sessions' will be conducted by best experts in the field, so that participants can be more productive with a good understanding of the drug discovery field.

4. Vertical-1 will focus on various aspects of Drug Discovery and is primarily for Engineering and Technology professionals/students/faculty having a good understanding of Artificial Intelligence/Machine Learning/ Deep Learning/Graph theory, etc. so that these professionals can apply their expertise in the field of drug discovery.

<https://drive.google.com/file/d/14fzhcO9TGpTNVkBKWij0En7RmawlcPP/view?usp=sharing>

5. Vertical-2 is primarily for Chemists/Pharmacists/Biologists (Domain experts) having good knowledge of Drug Discovery but keen on learning AI/ML/DL, so that they can think beyond conventional drug discovery approaches,

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6. Vertical-3 is 'Practical Training' for all, keen on having Hands-on experience on various drug discovery tools like Schrodinger, Chemaxon, TopKat, AMBER, R-packages, CDAC Virtual Drug Discovery tool room, etc.

https://drive.google.com/file/d/1AIMOSeDVWXcjCWBISB6rjvNmp9OBfe7_/view?usp=sharing

7. More importantly, each Vertical will be 35-50 hrs and currently 'aCSIR', the academic wing of Council for Scientific and Industrial Research (CSIR) is considering to recognize them with 3 transferable Academic Credits. Also each trainee successfully completing any Vertical will be eligible for a 'Certificate' signed by Prof. VijayRaghavan, PSA, Dr. Shekhar Mande, DG CSIR and Chairman AICTE.

Moreover, as 'Internship' is now compulsory for all technology students, enrollment in these trainings followed by entry submission in Drug Discovery Hackathon should be considered equivalent to an 'Internship' and should be eligible for appropriate academic credits from university/institutions.

8. Training is starting from 13th July 2020 from 2:30 pm onwards as per details

To join these training sessions starting tomorrow 13th July, please join YouTube Channel:
MHRD Innovation Cell.

PFA:-

https://drive.google.com/file/d/1AIMOSeDVWXcjCWBISB6rjvNmp9OBfe7_/view?usp=sharing
<https://drive.google.com/file/d/1WXeTWa9Z3Bxumn8xG5VCjBV1-Twr72q1/view?usp=sharing>
<https://drive.google.com/file/d/14fzhhcO9TGpTNVkBKWij0En7RmawlcPP/view?usp=sharing>

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