



SMART INDIA
HACKATHON '17

World's Biggest Hackathon

Search by #tag or Title...

Ministry of Electronics and Information Technology (MeitY)

SEARCH

containing:



Ministry of Electronics and Information Technology (MeitY)

Ministry of Electronics & Information Technology (MEITY) promotes e-Governance for empowering citizens, promoting the inclusive and sustainable growth of the Electronics, IT & ITeS industries, enhancing India's role in Internet Governance, adopting a multipronged approach that includes development of human resources, promoting R&D and innovation, enhancing efficiency through digital services and ensuring a secure cyber space. 21 problem statements have been identified from this Ministry.

Designing of product specific product development cycle based on manufacturing model (business and technical) of the product. Product development cycle time needs to be minimized for the problem.

#MTY21

Total Submissions : 5

Brief Description:

Every product has its own product development cycle and manufacturing model. During handling of projects, the product development cycle needs to be minimized for development time for the specific product. Design an generic optimization technique to minimize development time based on Nair's product development model as depicted.



Sample Data Required: No

PARTICIPATE



[Create a program for year-wise listing of work done by researchers related to keyword input on web. Output should have country tags, institution tag and any other tag that could be provided to program through input.](#)

#MTY20

Total Submissions : 10

Project assessment and technology development requires lot of background check on feasibility and technology status. The most time consuming effort in this task is collection of relevant data (work done by different researchers all over the world). Several document sources such as patents, journal papers etc. needs to be looked into to arrive at a decent status know how and extract the feasibility of the project. To minimize the time, automation of this task is necessary.

Constraint: Output should be in html or .xls format

Sample Data Required: Yes

PARTICIPATE



[Classroom optimization, Laboratory optimization & Optimization of other resources](#)

#MTY19

Total Submissions : 19

Sometimes, it is found that all the classrooms are occupied while most of the labs are unoccupied and the machines are lying idle and vice versa.

A suitable optimization matrix will make maximum usability of all the resources.



Kids, adults and internet awareness. Kids educational apps

#MTY18

Total Submissions : 40

India specific apps for educational purposes will help in increasing the spread of education in virtually every subject and may cater from basic to advanced level.

Sample Data Required: No

PARTICIPATE



Automated questionnaire and test for basic cyber security learning for senior non-technical officers.

#MTY17

Total Submissions : 14

Automated questionnaire will help the trainees to master the subject and correct themselves.

Sample Data Required: Yes

PARTICIPATE



Lack of Cyber Security Awareness among Students in technical institutions

#MTY16

Total Submissions : 17

Conducting Cyber Security drills and treasure hunt kind of Games to enhance cyber security awareness and skill sets.

Sample Data Required: No

PARTICIPATE



Lack of Testbed for cyber security experiments



itself and the infrastructure from the attacks. Then there is a third team that oversees this drills. The available systems are very costly and we need indigenous solutions/equipment for training purposes.

Sample Data Required: No

PARTICIPATE



[Making of virtual environment for practicing cyber forensics learning.](#)

#MTY14

Total Submissions : 7

The virtual environment for practicing cyber forensics will be immensely useful for cyber crime investigators to gain a thorough understanding of the subject and creation of much needed technical manpower in this area.

This includes creation of virtual lab having a complete learning management system where students can access various tools of learning, lectures, animated demonstration sharing of costly equipment or resources etc.

Sample Data Required: No

PARTICIPATE



[Lack of Secure channel for communication among cyber security experts](#)

#MTY13

Total Submissions : 11

Developing Secure forums/groups for knowledge exchange among cyber security experts in the Country.

Sample Data Required: No

PARTICIPATE



[Problems faced in crypto domain](#)

#MTY12

Total Submissions : 9

App for monitoring the work done in Swachh Bharat Mission (GIS based)

#MTY11

Total Submissions : 23

App should be able to Geo-tag a photograph and upload the same. At any time given time, for same location progress can be monitored (in Real Time). Facility to upload by citizen. Can be linked to Municipal Bodies monitoring system for finding the loopholes and improve upon the reporting system.

Sample Data Required: Yes

Gram Panchayat-wise Rural Sanitation Coverage	https://data.gov.in/catalog/daily-data-rural-sanitation-coverage-under-swachh-bharat-mission
Fund released for Swachh Bharat Mission (SBM) under SBM during 2015-16 (From: Ministry of Urban Development)	https://data.gov.in/catalog/answers-data-rajya-sabha-questions-session-239
State/UT-wise Component-wise Central Share Expenditure Reported Under Swachh Bharat Mission (Gramin) (SBM) (G) from 2.10.2014 to 31.03.2016 (From: Ministry of Drinking Water & Sanitation)	https://data.gov.in/catalog/answers-data-rajya-sabha-questions-session-239

Automation in preparation of the tender documents

#MTY10

Total Submissions : 12

Preparation of a Tender document is a lengthy and time consuming process.

By using automated tender document preparation, specific requirement for the tender may be given and can made in shortest possible time. Also, it would facilitate in adhering to the laid out rules and procedures strictly without any dilution. Though exceptions can be captured into the developed system wherever possible.

Sample Data Required: No



#MTY9

Total Submissions : 31

Generally, in government offices telephone and newspaper bills are submitted on paper for reimbursement.

By facilitating online submission of these bills, it would avoid wastage of paper and time in the government offices.

Sample data required: No

PARTICIPATE



Easy Navigation System for Visually Impaired Persons

#MTY8

Total Submissions : 57

GIS based navigation system to help blind persons to navigate in open & constrained areas, buildings, offices and specific locations.

The system should have multi-lingual support and speech interface integrated with it.

Sample data required: No

PARTICIPATE



Digital Rights Management System

#MTY7

Total Submissions : 10

Various knowledge content like Text, Scripts, Audio, Video, Images, Gifs etc when collected from various sources / resources persons can be digitally managed. Rights to the shared content might be free/open or charged per-usage.

A system is to be developed to digitally manage such work-out between various sources.

Sample Data Required: No

PARTICIPATE





Total Submissions : 11

According to E-waste Management Rules 2016, waste EEE's proper disposal is responsibility of producer. For such purpose producer's need to track their products for at least 5 to 10 years in which time that product stops functioning and enters into electronic waste stream. Which product will enter the waste stream at what phase is difficult to ascertain in terms of product life due to two primary factors; one, in India, products are repaired/ refurbished multiple times before it enters waste stream and second electronic waste collection is a major challenge for most of the states in India. So, tracking an EEE product is best way to provide yearly collection targets for producers in India.

Constraint/s: Tracking cannot be based on ownership as it will violate their privacy.

Sample data required: No

PARTICIPATE



[Accurate detection of impersonation in online examination](#)

#MTY5

Total Submissions : 27

Impersonation detection is a major problem in conducting any examination, especially in Online examination. The main cause of the difficulty is the lack of efficiency and/or integrity on the part of the Invigilator. In order to have a fool-proof automated system, it is advised to remove the human factor in impersonation detection. Hence, an accurate system for detection of impersonation in online examination is the need of the hour

Sample Data Required: No

PARTICIPATE



[Networking \(Inter-Connected\) Healthcare Technology](#)

#MTY4

Total Submissions : 55

Currently, Hospitals/Healthcare centre work in isolation. The means for co-ordinated/inter-connection among them is still a long way to go in India. Patient records (medical life history as well as case to case) are not digitalized / transcribed and the data/record of medical history of a patient is not readily available/accessible online or on-demand across various Hospitals/Healthcare.

Networked devices will let hospitals monitor patients when they are away, and recommend interventions when a serious problem is imminent.

National Disaster Mitigation Plan (Drought, Floods and Cold Wave/Frost)

#MTY3

Total Submissions : 15

Drought is a normal, recurrent feature of climate and characterized in terms of its spatial extension, intensity and duration. Conditions of drought appear when rainfall is deficient in relation to the statistical multi-year average for a region, over an extended period of a season or a year, or even more. Drought is a temporary aberration unlike aridity, which is a permanent feature of climate.

Mitigation measures are initiatives undertaken to reduce the incidence or minimise impacts of drought. Besides drought proofing, these measures help in adapting to climate change, restoring ecological balance and bringing development benefits to the people. However, drought mitigation programmes are not to be construed stand-alone interventions that are to be implemented only in the wake of a drought; but must form part of developmental planning in the domain of soil conservation, watershed development and forestry. As such, drought mitigation measures are to be mainstreamed in regular development programmes of Central and State Governments.

Sample data required: No

PARTICIPATE



Security Surveillance System (Video Surveillance / Analytics)

#MTY1

Total Submissions : 40

Video Surveillance solutions are security tools that help reduce crime and protect people and property. These solutions deter revenue loss from stolen merchandise, destruction of valuable information and vandalism.

Video Summarizer, Individual camera view, switch camera view for detailed view, Voice enabled activation, development of efficient Security Algorithms, Video Surveillance Cameras, Hosted Video services, On-site video monitoring, Video Alarm verification, video analytics, Risk management, integrated video solutions.

Sample Data Required: Yes

PARTICIPATE



Electronic Personal Safety System



Sample Data Required: Yes

PARTICIPATE



[Home](#)

[Terms & Conditions](#)

[Sitemap](#)

[Associate with Mygov](#)

[Contact Us](#)

[About Us](#)

[Feedback](#)

[FAQ](#)

[Link to Us](#)



© Content owned, updated and maintained by the MyGov Cell. MyGov platform is designed, developed and hosted by National Informatics Centre, Ministry of Electronics & Information Technology, Government of India.

Last Updated: December 1, 2016 at 1:10 pm -- innov-web-sp-83-145.mygov.in

