Career Point University
Hamirpur (HP)

Office Order

No. CPUH/Estt/OO/2023- 20143-220

Dated: 11.09.2023

In view of internal hackathon (SIH 2023), the Competent Authority has ordered that the following departments/divisions shall work on the problems given against the names of their respective departments/divisions. Further, the Software problems have been distributed to two/three departments simultaneously: Department of CSE will help other departments in terms of technical support (Software/App development). Lead role will be taken up by different departments according to the problems/fields.

Sr. No.	Problem Statement No.	Organization	Problem Statement	Concerned Department
1.	14	Ministry of Jal Shakti	A mobile app that crowd sources water-related problems from around a community, open sources data, etc. and display them on a map.	Lead: Civil engineering Support: Department of CSE
2.	21	Government of Punjab	PGRKAM web application (www.pgrkam.com) and the PGRKAM Android application of the Punjab Government provides employment data to the prospective candidates.	Lead: Commerce and Management Sciences Support: Department of CSE
3.	22	Government of Punjab	PGRKAM web application (www.pgrkam.com) and the PGRKAM Android application of the Punjab Government provides employment data to the prospective candidates. The platform has a sizeable number of user base but it lacks integrated analytics tools to understand how the users are consuming the information.	Lead: Commerce and Management Sciences Support: Department of CSE
4.	28	Ministry of coal	Chatbot to respond to text queries pertaining to various Acts, Rules, and Regulations applicable to Mining industries	Lead: Department of Law Support: Department of CSE
5.	36	Government of Kerala	Domestic Waste Management	Lead: Civil Engineering Support: Department of CSE

6.	42	Ministry of Information and Broadcasting	A complete Digital Marketing solution for visible increase in online sale of DPDÃ/ÂcÂcâ€sÀ¬Âcâ€zÂcs journals and Employment News issues through various available new online sale channels (like website, apps , amazon, social media) by optimising various available or new digital marketing tools like email marketing, SEO, analytics, etc., subject to suitability, sustainability and cost-effectiveness.	**Lead: Commerce and Management Sciences Support: Department of CSE**
7.	48	Ministry of AYUSH	Application for Assessment of Quality of Textbook/ Reference Books/ E- Book	**Lead: Librarian Support: Department of CSE**
8.	49	Ministry of AYUSH	PG dissertation Management System Description.	**Lead : R & D Wing Support: Department of CSE**
9.	51	Ministry of AYUSH	Identification of Different Medicinal Plants/Raw materials through Image Processing Using Machine Learning Algorithms	**Lead: Department of Pharmacy Support: Department of CSE**
10.	54	Ministry of AYUSH	Chatbot to Known Individual Prakriti (Phenotype)	**Lead: Division of Ayurveda, Yoga and Naturopathy, Microbiology Support: Department of CSE**
11.	64	Ministry of Commerce and Industries	Sentiment analysis of Social Media presence	**Lead: Commerce and Management Sciences Support: Department of CSE**
12.	65	Ministry of Commerce and Industries	Image correctness for a product on marketplace	**Lead: Commerce and Management Sciences Support: Department of CSE**
13.	67	Ministry of Commerce and Industries	Price comparison of GeM products with other e-marketplaces	**Lead: Commerce and Management Sciences Support: Department of CSE**

14.	85	Govt of Himachal Pradesh	Optimizing Doctor Availability and Appointment Allocation in Hospitals through Digital Technology and AI Integration.	**Lead: Department of Chemistry Support: Department of CSE**
15.	88	Ministry of Commerce and Industries	Developing a software for dubbing of videos from English to other Indian regional languages.	**Lead: Department of languages, Journalism and Social Sciences Support: Department of CSE**
16.	93	Ministry of Environment	E-Waste Facility Locator	**Lead: Department of Botany and Civil Engineering Support: Department of CSE**
17.	95	Ministry of Environment	Virtual Zoo	**Lead: Division of Zoology Support: Department of CSE**
18.	98	Ministry of Micro, Small and Medium Enterprises	Development of business models for collection and utilization of single use plastics and various other industrial wastes	**Lead: Commerce and Management Sciences Support: Department of CSE**
19.	104	Ministry of Home Affairs	Chatbot based helpdesk for govt employees and departments	**Lead: Commerce and Management Sciences Support: Department of CSE**
20.	106	Ministry of Home Affairs	AI based IT training system	**Department of CSE Core**
21.	123	Ministry of Education	Identify slow learners for remedial teaching and capacity building for innovative methods.	**Lead: Department of Physics Support: Department of CSE**
22.	153	AICTE, MIC-Student Innovation	Student Innovation	**Lead: Department of Pharmacy Support: Department of CSE**
23.	154	AICTE, MIC-Student Innovation	Student Innovation	**Lead: Department of Physics Support: Department of CSE**

24.	155	AICTE, MIC-Student Innovation	Student Innovation	**Lead: Department of Microbiology Support: Department of CSE**
25.	158	AICTE, MIC-Student Innovation	Student Innovation	**Lead: Division for Hospitality and Hotel Management Support: Department of CSE**
26.	168	AICTE, MIC-Student Innovation	Student Innovation	**Lead: Department of Law Support: Department of CSE**

Hardware Problems:

Sr. No.	Problem Statement No.	Organization	Problem Statement	Concerned Department
1.	2	Ministry of Jal Shakti	Estimation of inflow to a reservoir from the rainfall considering soil moisture in its catchment and releases from upstream reservoirs and automatically opening of reservoir gates for moderately releasing the water to avoid the flooding in a basin.	**Department of Civil Engineering**
2.	11	Government of Kerala	Developing a system for Patient Care in the Health Sector	**Department of Pharmacy**
3.	12	Ministry of Jal Shakti	Call for cost-effective ways of making water source for piped drinking water supply sustainable in Rural areas	**Department of Civil Engineering&Commerce and Management Sciences**
4.	24	Ministry of Micro, Small and Medium	Uncontrolled growth of water Hyacinth in lakes	**Division of Botany**

5.	30	Ministry of Jal Shakti	Technological solutions for safe disposal of menstrual waste	**Department of Pharmacy**
6.	42	AICTE, MIC-Student Innovation	Student Innovation	**Division for Hospitality and Hotel Management**
7.	43	AICTE, MIC-Student Innovation	Student Innovation	**Department of Chemistry and Physics**
8.	48	AICTE, MIC-Student Innovation	Student Innovation	**Division of Microbiology**
9.	49	AICTE, MIC-Student Innovation	Student Innovation	**Division of Languages, Journalism and Social Sciences**
10.	54	Ministry of AYUSH	Automatic Drug Dispenser	**Department of Pharmacy**

HODs are requested to ensure the submission of idea(s) before last date i.e. 15.09.2023 to **Dr Rahul Sharma, Single Point of Contact (SPOC), #SIH2023** on his mail ID: rahul.che@cpuh.edu.in & Internal Hackathon shall held on dated: 20.09.2023 venue for the same will be University Auditorium. Further, a meeting of all HODs has been scheduled on dated: 12.09.2023 at 09:00 AM in the boardroom under the chairmanship of Dr Hem Chander, President, IIC. HODs are also requested to kindly make it convenient to attend the same.

All concerned to note accordingly.

By Order
Vice Chancellor

Endst No. Even   Dated: 11.09.2023

Copy of above is forwarded to the following for information and necessary action:
1. Dean Academic Affairs CPUH
2. All Deans/ Associate Deans CPUH
3. All HODs CPUH
4. All Faculty members CPUH
5. PS to VC

Registrar

Institution's Innovation Council [IIC] & Innovation Club, CPUH

Organizing

Internal Hackathon

For the Screening of 6th edition of

Smart India Hackathon 2023

For more information click the link provided below:
https://www.sih.gov.in/

Last date for application in prescribed format :
15-09-2023

Date of Internal Hackathon :
20-09-2023

Venue : University Multi-Purpose Hall

Highlights — Indigenous · Engaging · Futuristic · Collaborating · Empowering

For more details contact : Dr. Rahul Sharma, Single point of contact, IIC CPUH

CAREER POINT UNIVERSITY, HAMIRPUR

📞 70180-64918   🌐 rahul.che@cpuh.edu.in

Date:

Title:

Problem statement:

Sub: Smart India Hackathon 2023 – Nomination

Team : (Team Name)

	Name	**Gender (M/F)**	**Email id**	**Mobile no.**	**Stream**	**Year**
Team Leader						2023
Team Member						2023
Team Member						2023
Team Member						2023
Team Member						2023
Team Member						2023
Mentor 1 (Optional)						2023
Mentor 2 (Optional)						2023
Team Leader						2023

Note: (Remove highlighted lines while sending the final proposal)
Instructions for Team formation
1) All team members should be from same college; no inter-college teams are allowed. However, members from different branches of the same college/ institute are encouraged to form a team.

2) Each team would mandatorily comprise of 6 members including the team leader.

3) Each team must have **AT LEAST ONE FEMALE TEAM MEMBER**.