

### **ACTION TAKEN REPORTS**

**Name of the Host Institute: IIT Roorkee**

**Name of the TIH: Divyasampark iHUB Roorkee for Devices Materials & Technology Foundation  
(iHUB DivyaSampark)**

**Technology Vertical: Device, Technology and Materials**

<b>Recommendation of TIPS Workshop</b>	<b>Action Taken</b>
Whether the representative of AS & FA, DST (not below the rank of Deputy Secretary) has been included as special invitee to HGB	Yes

#### **Update on problems taken-up by line ministries**

	<b>Problem Area/details</b>	<b>Name of line ministries/States Govt/PSUs/industries</b>	<b>Collaborating TIH</b>	<b>Collaborating Partner other than TIH</b>	<b>Projects undertaken</b>	<b>Technology/ product developed (current status)</b>	<b>Any other update</b>
W.r.t. problem statement shared by MO on 20.07.2021							
Other direct Initiatives		Govt. of Uttarakhand	iHUB DivyaSampark (TIH) at IIT Roorkee		Traffic Signals Integration with Safe City Surveillance & CCTV Operations (TISCO Project)		Our team is conducting a survey and holding regular meetings to implement the same.
		Govt. of Bihar	iHUB DivyaSampark (TIH) at IIT Roorkee		Skill Development Program		Conducted Two- day Faculty Development Program in Patna, Bihar. As part of our collaboration with DST Bihar, we are conducting online training for 12000 students of Bihar.
		Govt. of Bihar	iHUB DivyaSampark (TIH) at IIT Roorkee		DPR for Smart City		
		Jharkhand Government	iHUB DivyaSampark (TIH) at IIT Roorkee		Verification of DPR for Jharkhand State Data Center 2.0		The Suggestion have been made to the Jharkhand Government.

		Government of Assam & Mizoram	iHUB DivyaSampark (TIH) at IIT Roorkee		Skill Development Program		Conducting training program in the new age technologies in the North-Eastern States on the recommendation of DST
		EPFO	iHUB DivyaSampark (TIH) at IIT Roorkee				At the negotiation stage with EPFO for Skill Development Program.

Inter Hub Collaboration and Spokes-Spike details						
S.No.	Name of the Hub/Spoke/Spike	Place	List of Projects undertaken (if any)	Research Area (if any)	Progress / Outcome	Remarks (If Any)
1.	EMPI	Delhi		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved.
2.	Shoolini University	Solan, Himachal Pradesh		Cyber-Physical System	Established the centre in the campus named iHUB Shoolini. Organised Skill development programs /training programs.	Now planning to organize Hackathon and one day symposium on AI.  Taking more initiative to promote the activities of the Mission.
3.	NIT Sikkim	Sikkim		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved.
4.	IIIT Bhagalpur	Bihar		Cyber-Physical System	The spoke has conducted training activities.	MoU signed, Space and core committee to run spoke has been approved
5.	UIT Himachal University	Shimla, Himachal Pradesh		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved
6.	NERIEST	Arunachal Pradesh		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved
7.	DCRUST	Murthal, Haryana		Cyber-Physical System	Established the centre in the campus named iHUB DCRUST.	
8.	NIT Surat	Surat, Gujarat		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved
9.	GMR Institute of Technology	Andhra Pradesh		Cyber-Physical System		MoU signed, Space and core committee

						to run spoke has been approved
10.	IIT Bombay	Maharashtra		Cyber-Physical System		MoU signed with IIT Bombay and is a virtual spoke for training and entrepreneurship related activity.
11.	DIT University	Dehradun		Cyber-Physical System	Established the centre in the campus named iHUB DIT.	
12.	Shivalik college	Dehradun		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved
13.	Sharda university	Greater Noida		Cyber-Physical System	Established the centre in the campus named iHUB Sharda.	Initiated the recruitment process to speed up the activities as well as many applications is also received for the UG Fellowships via iHUB Sharda.
14.	University of Jammu	Jammu & Kashmir		Cyber-Physical System		MoU signed, Space and core committee to run spoke has been approved.
15.	I-HUB QUANTUM TECHNOLOGY FOUNDATION	IISER Pune, Pune, Maharashtra			In discussion with I-HUB QUANTUM TECHNOLOGY foundation for launching the joint projects in the area of Quantum Technology with special focus on quantum materials. Few IITR professors are involved with quantum related projects.	IIT Roorkee is the only TIH having a vertical of device materials and hence close collaboration with IISER pune would be very helpful for the future quantum technologies and for the quantum mission announced in budget 2020.
16.	IIT PALAKKAD TECHNOLOGY IHUB FOUNDATION	IIT Palakkad, Kerala			Will provide incubation support at IIT Roorkee & Greater Noida Extension Centre and similarly IIT Palakkad Technology ihub	

					foundation will provide the support at IIT Palakkad for the incubation	
17.	Vishleshan iHub Foundation	IIT Patna, Bihar			Collaboration with IIT Patna on identifying good quality startups, bringing operational efficiency of the hub at IIT Patna and helping IIT Patna hub to understanding Hub & Spoke model	TIH IIT Roorkee CEO visited IIT Patna with mission officials to help the team with initial policy formulation for UG, PG, PhD fellowship, finance related process like purchase policy etc.
18.	iHub Foundation for Cobotics	IIT Delhi, Delhi			To launch <b>i2U</b> ( idea to unicorn) program for startups. Startups will have flexibility to get incubated at Delhi, Noida, Roorkee and Sonipat.	
19.	AI4ICPS iHUB FOUNDATION	IIT Kharagpur, West Bengal			Collaboration on increasing the operational efficiency of the hub like exchange of policy related documents. Discussions are on for joint project and other technical activities.	