**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**

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| **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)** |
|  | EMPI | Delhi |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved. |
|  | 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. |
|  | NIT Sikkim | Sikkim |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved. |
|  | IIIT Bhagalpur | Bihar |  | Cyber-Physical System | The spoke has conducted training activities. | MoU signed, Space  and core committee  to run spoke has  been approved |
|  | UIT Himachal University | Shimla, Himachal Pradesh |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved |
|  | NERIEST | Arunachal Pradesh |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved |
|  | DCRUST | Murthal, Haryana |  | Cyber-Physical System | Established the centre in the campus named iHUB DCRUST. |  |
|  | NIT Surat | Surat, Gujarat |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved |
|  | GMR Institute of Technology | Andhra Pradesh |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved |
|  | IIT Bombay | Maharashtra |  | Cyber-Physical System |  | MoU signed with  IIT Bombay and is a virtual spoke for  training and  entrepreneurship  related activity. |
|  | DIT University | Dehradun |  | Cyber-Physical System | Established the centre in the campus named iHUB DIT. |  |
|  | Shivalik college | Dehradun |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved |
|  | 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. |
|  | University of Jammu | Jammu & Kashmir |  | Cyber-Physical System |  | MoU signed, Space  and core committee  to run spoke has  been approved. |
|  | 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. |
|  | 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 |  |
|  | 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. |
|  | iHub Foundation for Cobotics | IIT Delhi, Delhi |  |  | To launch **i2U** ( idea to unicorn) program for startups. Startups will have flexibility to get incubated at Delhi, Noida, Roorkee and Sonipat. |  |
|  | 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. |  |