

I-HUB QUANTUM TECHNOLOGY FOUNDATION

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- Introduction of HUB GOVERNING BODY Members
- Presentation about NM-ICPS Mission by Dr. K. R. Murali Mohan.
- DPR presentation about HUB by Dr. Umakant D. Rapol.

MINUTES OF THE FIRST HUB GOVERNING BODY MEETING HELD ON 24.8.2021 at 2:00 p.m. on Zoom platform

The following persons attended the meeting:

Prof. D. D. Sarma, Indian Institute of Science, Bangalore - Member

Prof. K. Thyagarajan, Bennett University - Member

Industry Representatives

Mr. Ashish Bhandari, MD and CEO, Thermax Global - Member

Dr. Gargi Dasgupta Director, IBM Research India and - Member

CTO IBM India/South Asia

Dr. Rohini Srivathsa, National Technology Officer, Microsoft India - Member

MeitY, Govt. of India Representative

Dr. B. K. Murthy, Scientist G and - Member

Group Coordinator, MeitY, Govt. of India

Mission Director, Mission Office, DST

Dr. K. R. Murali Mohan, Scientist G - Member

(Mission Director, NM-ICPS, DST Govt. of India)

Project Director TIH

Dr. Umakant Rapol, (Associate Professor and Director IHUB-QTF)

- Member Secretary.

Special Invitees

Dr. T S Mahesh (Professor and Director IHUB-QTF)

Prof. Tarun Souradeep (Professor and Director IHUB-QTF)

C.A. Vasundhara Laad (Joint Registrar, Finance and accounts, IISER Pune)

Chairman of the HUB Governing Body welcomed and introduced the members of the Governing Body.

Mission Director made a presentation about NM-ICPS Mission.

Project Director of the Company made a presentation on DPR of the HUB.

1. Members discussed about the line items of the targets set in the DPR and suggested the following:

a. Sl. No. 1.3 – Publications – There should be an aggressive approach regarding more number of publications (at least 2 times the current target). Alignment of the targets in Sl. No. 1.1 – Number of Technologies vs 1.3

b. Sl. No. 3 – Human Resource Development – The targets should be in alignment of the job creation Sl. No. 2.8.

Members discussed about the priority of the I-HUB.

Mission Director confirmed the priority of the I-HUB as follows:

- a. Develop Technology and facilitate start ups
- b. Develop Product
- c. Human Resource Development

Confirmation and Approval items:

ITEM No. HUB-01/06: Record the mandate of the HGB as per the tripartite agreement

Members discussed about the mandate of the HUB Governing Body.

Mission Director clarified that since HUB is a Section 8 Company and governed by the Companies Act, all the administrative and financial powers are vested with the Board of Directors of the Company.

The HUB Governing Body is Research driven Advisory and strategic Body to render scientific directives. It is a synergy between Researchers and Industry to translate research into products. the HUB has no Administrative and Financial Powers.

However, the Project Director drew attention of the HUB Governing Body towards the Tripartite Agreement signed between DST, IISER Pune, the Promoter of the Company and I-HUB where it has been mentioned that the administrative and financial powers are with the HUB governing Body.

The chairman, Hub governing board asked the Mission Director to send a written document on the roles and responsibilities of HGB. The Mission Director confirmed that the corrigendum to the tripartite agreement will be sent clarifying the role of the HUB Governing Body.

The mission director drew attention to the minutes of the minutes of the second mission coordination committee meeting held on 21 may, 2021 wherein the collective ownership of the Academia, Industry and government be brought in through the constitution of the HGB having a minimum of 1/3 participation in Board of Directors and Hub Governing board from members of the Academia, Industry and Government.

The Chairman, Board of directors asked the mission director for a written confirmation on the composition of the Board of Directors which the mission director confirmed that a written document will be issued.

In view of the above, there were no items to be confirmed and/or approved by the HUB governing body.

Discussion items:

Item No. HUB-01/19 - Proposals for collaboration

Project Director discussed about proposals that has been received by the _- Hub:

A. Expression of intent received from Synergy Quantum Founded by Synergy Asset Management (Switzerland) DESIRING to establish partnership with The Hub with the aim to develop and promote the areas of Quantum cryptography, QKD and Quantum Computing.

B. Quanfluence Private Ltd. A core team of 6 people with an Objective to build a world class quantum computer in India to address real world quantum use cases. They have Over 20 years of technology experience each, bringing expertise from diverse fields in deep tech and business domains.

C. CDAC. Recently there was a visit by the director general of CDAC, Pune and his team to IISER Pune. They expressed interest in collaboration with the HUB for joint development of Quantum computer and the necessary hardware and software stacks on top of the quantum core.

The project director presented the broad engagement terms in the form of MOU to be signed with the above parties.

The activities to be covered in the MoU will be the following:

- a) Exchange and training of scientific and technical personnel;
- b) Exchange of available scientific and technological information and data;
- c) Develop joint research and commercialization of the projects described in this MOU;
- d) Exchange visits by Government officials and International technical experts for collaboration on quantum practices, policies, frameworks, incentives, and technologies with financing mechanisms;
- e) Any other modalities as may be agreed upon mutually by the Parties.

The members agreed in general to signing the MOUs, however the members specifically mentioned that the MOU's should lead to meaningful benefits to the parties and the overall objectives of the HUB.

Item No. HUB-01/20 - Incorporation of Spokes and their roles

In view of the ongoing program on Quantum Enables Science and technologies (QUEST) By DST, there is a large R&D program being executed in the country. The Mission director drew attention to this program and suggested that the QUEST be integrated in such a manner that some of the projects which are in advanced stages of R&D, be inducted into the HUB through the roles of the spokes. This suggestion was well received. In addition, it was also pointed out that individual researchers (as 'spikes' of the HUB) can also be inducted into the HUB, who can add and bring value to the execution of the overall goals of the HUB.


Member Secretary


Director