

# IIT Tirupati Navavishkar I-Hub Foundation

(Registered under Section 8 of Companies Act 2013)

Technology Innovation Hub on Positioning and Precision Technologies

## Minutes for First Hub Governing Body Meeting

**Meeting Mode: Online**

### Call to Order

The Hub Governing Body meeting of IIT Tirupati Navavishkar I-Hub Foundation (INiF) was held on February 25, 2021. It began at 17:00hrs and was presided over by Prof. K.N. Satyanarayana, with Dr. Roshan Srivastav as secretary.

### Attendees

Members in attendance:

1. Prof. K. N. Satyanarayana, IIT Tirupati
2. Dr. K. R. Murali Mohan, DST NM-ICPS
3. Dr. Ajit T. Kalghatgi, Antrix (ACL), DOS
4. Major Gen. Dr. R. Siva Kumar, IIC Technologies Ltd.
5. Dr. Y. V. N. Krishna Murthy, IIST, Trivandrum
6. Prof. Onkar Dikshit, IIT Kanpur
7. Dr. E. Anil Kumar, IIT Tirupati
8. Dr. Roshan Srivastav, IIT Tirupati

Special Invitees in attendance:

1. Dr. Ambrish Saxena, Chief Manager, SRC, IIT Tirupati
2. Dr. Arijit Sharma, Faculty, IIT Tirupati
3. Dr. Rama Krishna Sai Gorthi, Faculty, IIT Tirupati
4. Dr. Panchatcharam Mariappan, Faculty, IIT Tirupati
5. Dr. Hiran Vedam, Faculty, IIT Tirupati

Members not in attendance:

1. Shri. Sanjay Jain, SIDBI

### Proceedings

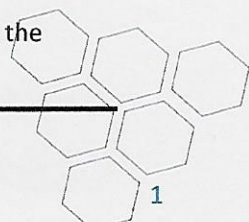
#### Agenda

#### Item 1 – Introduction of Members

Prof. K. N. Satyanarayana welcomed the HGB members and special invitees. He then introduced the HGB members.

#### Item 2 – Status of TIH

- a. Dr K. R. Murali Mohan gave an overview of the expectations and objectives of TIH and the role of HGB in the administration of the TIH.







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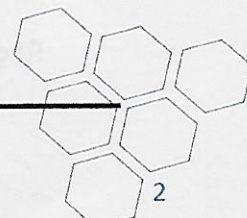
- b. Prof. K. N. Satyanarayana presented the details about the Host Institute and its capabilities.
- c. Dr. Roshan Srivastav presented the status of TIH and the salient features of the Detailed Project Report (DPR) submitted to DST and Mission Office.

## Item 3 – Approval of DPR

The members approved the submission of DPR and were appreciative of the same in its current form.

The members have suggested the following points

- a. Maj. Gen. Dr. R. Siva Kumar: Stressed on the inclusion of more products and industry-academia collaborations.
- b. Prof. Onkar Dikshit: (i) Need to develop a lot of sensors, reduce the cost of equipment, work in the area of hardware; (ii) collaboration with Centre of Geodesy; (iii) Hub should focus on hardware; (iv) Interested in the development of Atomic clock; (v) MoU with Centre of Geodesy
- c. Dr. Y. V. N. Krishna Murty: (i) Deliverables timeline can be shorter (24 months); (ii) Focus should be on the current market need and end-users requirements; (iii) Possible study areas to be included are weather, Ionosphere, better signal, satellite.
- d. Dr. Ajit T. Kalghatgi: Suggested that (i) TIH can contribute to the aerospace and defence segment, strategic use mainly on technology development, positioning and precision systems and mostly dependent on foreign or imported elements have to become self-sufficient and indigenous (ii) there is a lot of scope for the development of products related to instrumentation, instrumented/augmented landing systems (iii) Establish procedures for identification of project, call for proposals, project review and monitoring and deliveries of identified projects; (iii) Focus on Industry liaisoning and partnership that has to be brought in as partners or contributors.
- e. Dr. K. R. Murali Mohan: (i) DST will be providing a suggesting framework to process and procedures for identification of projects; (ii) TIH needs to have a telescopic view that in the next five years What and how the hub is going to take forward the TIH. What are processes and procedures in place and also structuring the TIH so that all possible interaction can be taken; build an ecosystem for industries – raising funds, a technology from industry to TIH, win-win tie-ups; (i) Focus on technology development/research activities of TIH which addresses the potential economic value of the activities, nurture the startups, requirements of the industry, call for proposals (industries, partners, grant-in projects); (iii) Addressing grand challenges through – adopting already existing proven technologies, engaging individuals through consultancy projects, structuring of the TIH for industries – way forward for industries: CSR funds, Industry of for-profit structure, venture capital funds ( board of VCs), alternative investment funds and fund of fund; (iv) TIH should have the structure ready to receive and give the funds







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## Item 4 – Recruitment of Staff

HGB approved the CEO's appointment for the TIH, and the advertisement for this position may be released. It was suggested that the incumbent CEO may take the initiative to build further on the human resources for the company in consultation with the Chairman and Project Director.

## Item 5 – Call for UG, PG, PhD fellowships, Discussion on profession services, TIH Funds

- a. HGB suggested initiating research activities through UG, PG, PhD fellowships in Positioning and Precision Technologies. The framework for the fellowship needs to be established.
- b. The Board of Directors of the company will take a necessary decision in hiring professional services for the company's operations and functioning.

## Adjournment

The meeting closed with Prof. K. N. Satyanarayana thanking all the members for their participation and suggestions. It was proposed that the next meeting will be held in about six months, preferably in Tirupati, the Covid situation permitting.

(Project Director)  
[INiF]

(Chairman)  
[INiF]

