

HELD AT _____

ON _____

TIME _____



TIH FOUNDATION FOR IOT & IOE
3rd Floor, TIH Monash Research Laboratory Building
411, Naraina, Connaught Place, Mumbai 400076, Maharashtra, India
office.ph@tihae.in | www.tihae.ac.in
CIN: U73200MH2020NPL344467



**TIH Foundation for IoT and IoE
(CIN: U73200MH2020NPL344467)**

Minutes of Second Meeting of the

Hub Governing Body

**Held on
Monday, 24th May, 2021**

At

10:30 a.m. - 12:30 p.m. (IST)

Venue

Through Webex

Present

Directors:

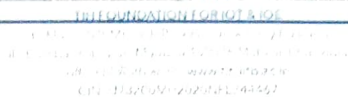
1. Prof. Subhasis Chaudhuri
2. Prof. Milind Atrey
3. Prof. P. P. Chakraborty
4. Dr. Mini Shaji Thomas
5. Dr. Harrick Vin
6. Dr. Lalitesh Katragadda
7. Mr. Jibak Dasgupta
8. Dr. K Murali Mohan
9. Prof. Leena Vachhani

Invitees:

1. Prof. Arnab Maity
2. Prof. Anirban Guha
3. CS Shirish Shetye – Company Law Consultant
4. Ms. Namita Lobo – Head Operations, TIH-IoT

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Prof. Leena Vachhani made presentation about various activities and developments since First HGB meeting as follows:

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 A HUB OF
HUMAN CAPITAL OF TECHNOLOGICAL INNOVATION

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IIT Bombay Campus, Mumbai 400075, Maharashtra, India
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- **CHANAKYA Fellowships** – CHANAKYA fellowship was conceptualised to encourage enhanced and continued involvement of students (UGs, PGs and PhDs), faculty of technical institutions with industries (including technology challenged MSMEs). One of the objectives of this initiative was to create a pool of trained professionals in CPS domain to be problem-solver or turn entrepreneurs. At TIH efforts were commenced on the following categories under CHANAKYA.

- **CHANAKYA Fellowships for UGs:** Call for proposal was sent out to undergraduate students in the month of January, 2021. After two levels of scrutiny five teams of UG students were selected on projects with the following topics:
 - A. H.E.A.R.T. : Hypertension Eradication App and Reliable Technology.
 - B. Fault detection in machines using vibration sensor.
 - C. Body size measurement using phones for custom fitted cloths.
 - D. Path Planning and Control Designs of IoE based Drone Delivery System.
 - E. Agrivators.

TIH was working on setting up process of disbursals. The disbursals will be done based on verification of all criteria.

- **CHANAKYA Fellowship for PGs and PhDs:** TIH was working on refining processes for designing CHANAKYA fellowship schemes to PG and PhD students. The ground work was being done so that TIH could send out a nation-wide call for proposal.
- **CPS-EIR Fellowship Grant:** Entrepreneurs-in-Residence (EIR) Grant Fellowship Programme was introduced to inspire the best talents to be entrepreneurs, minimise the risk involved in pursuing start-ups and to partially set off their opportunity costs of high paying jobs. The ground work on the call for proposal was done with the support from IITB Technology Business incubator, SINE. TIH had rolled out the announcement inviting applications from potential applications. The last date of application was 28th June, 2021.
- **Webinar Series:** As a first step towards enhancing the activities on translational research a series of webinars was held on 14th and 21st April, 2021 on “Designing EMI Immune Electronic System” of which the registration was free of cost by an industry expert. The first of series was attended by 160 people and second was attended by 73 people. Participants were from industry, academia, research and IITB staff.

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 CHAIRMAN'S INITIALS

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INNOVATION
HUB for IoT & IOTA VENTURE OF
INDIAN INSTITUTE OF TECHNOLOGY KOLKATA

ON

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TIME

3rd Floor, TIH Menach Research Building Building,
IoT Park, Campus, Midanpur, Kolkata, Maharashtra, India
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CIN: U73200MH2020NPL244467

- Call for proposals on COVID related problems: TIH had initiated this initiative to cater to the needs of the current pandemic. TIH intended to send out a call for proposal inviting applicants to come up with feasible technology solutions based on customer/ current needs. The time span of these projects would be between 3 months to 6 months. Projects which were on testing and development stage would be preferred to those proposals which were in a development stage.

Other developments which were reported to HGB members were as follows:

- Hiring of COO and CTO – TIH had appointed Mr. Ratanesh Srivastava as COO (Chief Operating Officer). He would be acting CEO and would take up the responsibility of CEO. His performance would be reviewed after two years for the position of CEO by the TIH board. Mr. Srivastava would be joining TIH on or before 22nd July, 2021.

TIH had appointed Dr. Sachin Paramane as CTO (Chief Technical Officer). Dr. Paramane would be joining on or before 5th August, 2021.

- Signing an MoU with CDAC Kolkata: After deliberation and a few interactions, TIH was ready to sign an MoU with C-DAC Kolkata. The broad generic scope of this MoU was to collaborate with any C-DAC who would be one of the strategic partners of TIH in its mission aiming to create a strong foundation and a seamless ecosystem for ICPS technologies by coordinating and integrating efforts encompassing knowledge generation, human resource development, research, technology and product development, innovation and commercialisation. TIH intended to initiate MoUs related to specific projects with C-DAC Kolkata. Dr. Murali Mohan enquired about the details about the collaboration with C-DAC Kolkata and suggested to circulate the details among members as various Ministries were looking for different solutions where TIH IoT could play important role. Prof. Subhasis Chaudhuri assured to share documents and necessary steps in this regard. Dr. Murali Mohan stressed the importance of application value of the activities undertaken and merely research activity. Dr. Harick Vin also supported the idea of sharing information with all members, which would ensure industry participation in the activities of TIH.
- Developing Guidelines for Funding Technology Demonstration Projects: TIH had worked out on defining guidelines for funding technology demonstration projects. The document was intended as a reference point for the entire process of funding the technology projects. Further finer procedures were intended to be set up on identifying, evolution and progress monitoring of projects. The corresponding activities would be lined up shortly.

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CIN: U72900MH2020PT01241467



- Prof. Leena Vachhani also mentioned about the proposed steps to be taken in the field on Agriculture IoT. She also mentioned about the roadmap, targets and social impact of the proposed activities, which would help for qualitative assessment of TIH. She also mentioned about the steps to be taken for laboratory developments and proposed laboratories in different segments. Dr. Murali Mohan suggested to mention these activities as technology development infrastructure and not laboratories. Dr. Murali Mohan also suggested that, instead of creating parallel infrastructure, to use existing facilities on payment basis. Mr. Jibak Dasgupta enquired whether these facilities were available to industry, which was positively replied by Dr. Murali Mohan, which would be on payment basis. Prof. P. P. Chakraborty suggested to develop a module enabling participation of all stakeholders and develop a revenue stream. Dr. Murali Mohan also requested to provide necessary details about the funding of the proposed laboratories and the period over which it would be spent. Mr. Jibak Dasgupta suggested to develop collaboration model with industry. Dr. Harrick Vin mentioned that the connection to problem was missing. According to him the approach should be why we were doing or why we were not doing. Dr. Lalitesh Katragadda suggested to scale up the level of education in IoT and struck a balance.
- Filing for concessions on Tax and other registrations: In the process of filing for concessions on tax and registrations, TIH had encountered certain issues as mentioned below
- Registration under section 80G of the Income-tax Act – Application could be made only after registration under section 12A.
 - Exemption under section 10(23) – total exemption of income. Application could be made after 3 years' track record.
 - Weighted tax relief for contribution to Specified Institutions undertaking research. Application could be made after 3 years' track record.
 - Registration of the company with Ministry of Corporate Affairs for receiving CSR funds. TIH could file application only after completion of 3 years of its operations. Appeal might be made to include all TIHs in Schedule VII of the Companies Act, 2013.

TIH office had written to the Mission Director with updates and queries on 17th May, 2021.

Agenda Item No. 6: Briefing relating to expenses made so far and financial projections for the current financial year.

Prof. Arnab Maity made the presentation about the First Year Expenditure i.e. since incorporation till 31st March, 2021 and 1st April, 2021 till 15th May, 2021.

The HGB members noted the same.


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Agenda Item No. 7: To decide on dates for future HGB Meetings

As decided in the First HGB meeting, the HGB meeting will be held at least once in every quarter. The HGB members were requested to decide the dates about the future meetings. It was decided to hold the next meeting at the convenient date in the month of September, 2021.

Agenda Item No. 8: Any other business with the permission of the Chair

Prof. Subhasis Chaudhuri suggested to provide opportunity to HGB members to make presentation about their ideas. Dr. Harrick Vin requested to share the discussion in advance and get response from the members. Prof. Leena Vachhani accepted the suggestion and assured to share the concept paper with the members and to have a discussion in detail. Dr. Lalitesh Katragadda suggested to set up chip designing lab and to develop chip designing facilities. He also suggested to work on the solution for security aspects. Mr. Jibak Dasgupta suggested to identify revenue streams for short term and long term. He also suggested to start pilot projects and use data centre around Mumbai and to work on security aspects.

The meeting concluded at 12.20 p.m. with a vote of thanks to the Chair.

CHAIRMAN.