

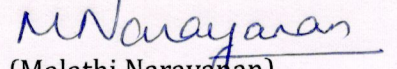
F. No.8-1/2020-TEL
Government of India
Ministry of Human Resource Development
Department of Higher Education
(TEL Division)

408-C, Shastri Bhawan, New Delhi
Dated 24.01.2020

OFFICE MEMORANDUM

Subject:- Minutes of the review meeting of the Project e-Yantra under Scheme NMEICT held on 10.01.2020 at 4.00 p.m. in the chambers of Addl. Secretary (TE)

The undersigned is directed to forward herewith the minutes of review meeting of the Project e-Yantra under Scheme NMEICT held on 10.01.2020 at 4.00 p.m. in the chambers of Addl. Secretary (TE) for information & further necessary action.


(Malathi Narayanan)

Deputy Secretary to Government of India
Tel.No. 011-2338 5220

To-

1. Prof Kavi Arya, PI, e-Yantra
2. Prof. Khodke, CPA, TEQIP

Copy to:-

1. PPS to AS (TE)
2. US(TEL)
3. Shri Parameswaran N, Advisor, NMEICT

Minutes of the review meeting of the Project e-Yantra under Scheme NMEICT held on 10.01.2020 at 4.00 p.m. in the chambers of Addl. Secretary (TE).

Prof Kavi Arya, PI made a presentation on the project. E-Yantra is a project undertaken by IIT Bombay for enabling effective education across engineering colleges in India on embedded systems and Robotics. The training for teachers and students is imparted through workshops where participants are taught basics of embedded systems and programming.

2. AS (TE) appreciated the efforts of the e-Yantra team.

3. The PI briefed about the outreach activities they have been doing across the country and requested for MHRD intervention in case of Bihar & Jharkhand specifically as they have found quite a challenge to establish e-Yantra labs in their colleges. As of now, they have established 370 labs across the country. The PI said that the notable achievement of the e-Yantra competition is that the students learn practical skills and application of embedded system, gain confidence and team work. Their higher order thinking skills improve tremendously through these competitions. Thereafter following decisions/action points emerged:

1. AS(TE) suggested that a MOOC course on e-Yantra be prepared linking it to AICTE curriculum. The course could be modular, allowing for a variety of hardware like Pi Esp-32 etc. This could be a credit based optional course. A proctored exam could be considered in colleges or conducted in workshop in IIT Bombay. The feasibility and possible timeline for a SWAYAM Course on the above lines may be sent to MHRD within **4 to 6 weeks**. Shri Parameswaran will follow up the issue from MHRD. **(Action:-PI)**

2. Data on the number of labs (eLSI) established and functioning in the AICTE colleges, TEQIP institutions, IITs, IIITs, NITs, IISERs and polytechnics separately may be compiled. MHRD will write to respective authorities to establish e-Yantra lab. A draft letter shall be suggested by PI to MHRD. **(Action:-PI)**

3. AS(TE) also requested PI e-Yantra to consider a self-funding sustainable model including franchisee model for continuation of the project. PI to suggest possible models within 4 to 6 weeks **(Action:-PI)**

4. A promotional video/material to be prepared and disseminated.

The meeting ended with the vote of thanks to the Chair.

Annexure

List of participants attended review meeting of the Project e-Yantra under Scheme NMEICT held on 10.01.2020 at 4.00 p.m. in the chambers of Addl. Secretary (TE)

1. Dr. Rakesh Sarwal, Additional Secretary (TE) - Chairman
2. Prof Kavi Arya, PI, e-Yantra - through VC
3. Ms. Malathi Narayanan, Deputy Secretary (TEL)
4. Prof. Khodke, CPA, TEQIP
5. Shri G S Malik, Adviser, NMEICT
6. Shri Parameswaran N, Adviser, NMEICT
7. Ms. Pushpa Gautam, Under Secretary (TEL)
8. Shri Saleh Nadim, ASO, TEL Division