

F.No. 16-70/2009-DL/TEL
Government of India
Ministry of Human Resource Development
Department of Higher Education
(TEL Division)

216-D, Shastri Bhawan,
New Delhi, dated 18.01.2016

OFFICE MEMORANDUM

Subject: Minutes of the Second meeting of the Domain Experts Committee (e-Content, Pedagogy and Related Activities)

The undersigned is directed to enclose herewith a copy of minutes of the Second meeting of the Domain Experts Committee (e-Content, Pedagogy and Related Activities) under the chairmanship of Prof. H. P. Khincha, IISc, Bangalore held on 23.11.2015 in Conference Room of Central Secretariat of Library Building, G Wing, Shastri Bhawan, New Delhi for information & necessary action.


(K. D. Verma)
Under Secretary (TEL)
TEL No. 011-23073582

To,

1. Secretary, Ministry of Information & Broadcasting
2. Secretary, Ministry of Skill Development & Entrepreneurship
3. Vice Chancellor, EFLU, Hyderabad
4. Vice Chancellor, JNU, Delhi
5. Dr. A. K. Tripathi, Banaras Hindu University (BHU), Varanasi
6. Dr. Jayanthi Raj, IAS, VC of State University, Gujarat
7. Prof. Surendra Prasad, IIT Delhi
8. Prof. Uday Desai, IIT, Hyderabad
9. Prof. Sudhir Jain, Director, IIT, Gandhinagar
10. Prof. Pankaj Chandra, IIM, Bangalore
11. Prof. C. G. Mahajan, IISER, Mohali
12. Prof. Karmeshu, JNU, Delhi
13. Prof. Gonsalves, Director, IIT, Mandi
14. Prof. Jemmis, IISc, Bangalore
15. Prof. Sanjay Mishra, VC, Central University Tanjore
16. Prof. B. B. Somasekhar, NALSAR University of Law, Hyderabad
17. Prof. Mangal Sunder, IIT, Madras
18. Prof. Uma Kanjilal, IGNOU, Delhi
19. Shri Laxminarayan, NASSCOM
20. Shri Pradeep Kaul, Senior Consultant, NMEICT

Copy for information to:-

1. Prof. H. P. Khincha, IISc, Bangalore
2. PPS to Secretary (HE)
3. PPS to AS (TE)
4. Director (TE), M/o HRD
5. DS (ICT), M/o HRD

Copy for information & necessary action to:-

1. Project Manager (NMEICT)
2. Prof. Uma Kanjilal, Project Coordinator, SAKSHAT Portal, IGNOU – for uploading it on Sakshat Portal.

Ministry of Human Resource Development
Department of Higher Education
NMEICT

MoM Domain Expert Committee (e-Content)

Minutes of the 2nd Meeting of the Domain Expert Committee (e-Content, Pedagogy and Related Activities) held on 23rd November 2015 from 11 AM to 5 PM at Shastri Bhawan, New Delhi

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Participants:

As per the Attendance List at Annexure-II

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The Chairman welcomed the Members of Domain Expert Committee (DEC) (e-Content, Pedagogy and Related Activities) present in the meeting. After the members introduced themselves, the Chairman took up the agenda of the meeting. Detailed discussions were held on each of the Agenda Items, after the Pls' offered briefing, presentations, wherever invited. The recommendations/ decisions of the DEC in respect of Agenda item is as under:

Agenda Item No. 1.

Confirmation of Minutes of the last Meeting of the DEC, Content held on 14th July 2015 and Action Taken Report on the minutes of last meeting.

The TEL Bureau, informed that the minutes of the last meeting are in the process of approval and shall be circulated soon and members may offer comments, if any, on the receipt of minutes.

Agenda Item No. 2.

a) Status & Review: of NPTEL Phase-III e-Content development & transition plan to SWAYAM.

b) Project Proposal: NPTEL Phase IV and NPTEL Online Certification (NOC) for 2015-2017

Anchor Institute: Indian Institute of Technology Madras

PI: Dr. Andrew Thangaraj, Associate Professor, Deptt. of Electrical Engineering, IIT M & others.

Control Number: AEC 3012201413260

Duration: January 2016 to 31st Dec 2018

Total Budget: Rs.93.00 Crores

PIs were present during the meeting. The PI informed the members on the initiatives undertaken in Phase-I, Phase II-III of NPTEL projects - including the launch of certification courses. These could be accessed on URL: <http://onlinecourses.nptel.ac.in>. The following updates were shared:

- Phase-I, had 263 (138 video & 125 web) and Phase II and III had 600 projected courses, which totaled to 863 courses due completion by 2014. The number of Courses produced has exceeded this number, however the Courses are mostly in one quadrant format.
- Current count of courses in Phase-I to III is 933 (512 video & 421 web) with about 150 in the pipeline by IIT Madras. The increase was also attributed to the increase of one year in the project deadline.
- Phase III ends on 31st Dec 2015 but might get extended till 31st Dec 2016 without any financial requirements.
- As on 31st March 2015 less than Rs.10.00 Crores are left with IIT's so would require more funds from start of 2016.
- Till date 93 MOOCs courses have been delivered that include 47 new & 46 repurposed.

As was proposed in last DEC meeting held on 14 July 2015, the PI has incorporated the amendments and submitted the modified Phase IV proposal, to the DEC.

The PI informed that the NPTEL-IV now proposes 200 new on-line courses for development & delivery. A detailed discussion on deliverable proposed by PI took place.

The PI has sought a total of Rs.93.00 Crores for the project. The break-up of deliverable over three years 2016-18 is given here under:

- i. Creation of open online courses is 300, spread equally over 3 years.
- ii. No. of courses for Repurposing Courses for Online Delivery is 300 spread equally over 3 years.
- iii. Rerun of open online courses is 200 spread as 30, 70 and 100 over 2016-18 respectively.
- iv. Lecture Series on Special Topics is 100 spread as 25, 40 and 35 over 2016-18 respectively
- v. Workshops and research conferences to be conducted will total to 200 spread over 80,60 and 60 over 2016-18 respectively
- vi. Budget of Rs.93.00 Crores to be spread as Rs.36.00 Crores for creation of open online courses, Rs.18.00 Crores for repurposing, Rs.10.00 Crores for rerun, Rs.6.00 Crores for lecture on special topics, Rs.10.00 Crores on workshops. Rest Rs.10.00 Crores on travel of coordinators for 3 years and office expenditure amounting total to Rs.93.00 Crores.

The PI informed that the costing of development and delivery of MOOCs as above is based on the "MOOCs Costing Committee" recommendations to be approved by the MHRD.

The Chairperson made the following observations:

PI is required to provide Finance and work outputs and also input analysis. To also include data analysis component. The Mission Secretariat is requested to verify the PRSG reports and all deliverable for NPTEL Phase I, II and III. A PRSG for the project shall be formed by the DEC-C.

On Certifications provided for NPTEL courses, suggestion to get a central logo was suggested. The Members were informed that Prof. Ravi Powaih group IIT Bombay had in the past worked on certain logos, which the Mission Secretariat has received. It may again be presented before the DEC-C so to take the issue further and comments shall be offered.

Questions from the Chair:

PI is requested to provide 'Impact based output' parameters for Phase IV deliverable.

The Members were informed that approximately a total 3000 courses are offered in all Engineering disciplines, while around 1000 courses have only been covered till date.

PI is requested to choose Lectures on special topics only.

Mission Secretariat was instructed to work out the budget for 'coordination expenses' as per norms.

Floor was open for questions by Chairperson.

DS (ICT) informed the Members that since NPTEL, CEC and UGC are in a big way contributing to the development of MOOCs Compliant e-Content development, MHRD has extended their project for a year, i.e., till 31st December 2016.

Clarification sought by the DEC in its meeting held on 14th July 2015 on different points was received from the PI and the Clarification is at Annexure-I. The DEC-C agreed with the clarifications provided by the PI.

The 'DEC-Content' approved the development of 300 MOOCs compliant fresh courses, 300 repurpose courses, rerun of 200 courses, production of 100 lecture series on special topics, conduct of 200 workshops & conferences and travel, honorarium etc., under NPTEL-IV, in next three years, as per the DPR submitted.

The DEC further suggested the NPTEL-IV to look into all disciplines in Engineering, (i) all courses in Engineering discipline are taken up for development of MOOCs Compliant Courses and (ii) involve (other than the present 7 IIT's & IISc) more partners in NPTEL group i.e., other IIT's, NIT's etc., in the development of MOOCs Compliant Courses in other disciplines in engineering.

Agenda Item No. 3

Status Review UGC PG e-Content development & transition plan to SWAYAM.

Representative from UGC was not present, to brief the Members on current progress of the project.

Committee was informed that UGC in the year 2010 was awarded e-content development in 77 PG subjects, which appear in NET examination. The UGC took some more time to organizing itself by drafting Guidelines; MOU & other documents and involved a number of universities in the development of e-content in PG subjects. Also the e-PG Pathshalla programme does not have infrastructure, studio's or editing facilities, facilities as enjoyed by the CEC & NPTEL, hence delay in engaging free lancers to shoot & complete editing.

Since the representative from UGC was not present, Prof. RC Kuhad, VC, CU, Haryana & Chairman, Technical Expert Committee, e-PG Pathshalla, made a presentation on the work done, so far. He informed all the content are getting completed in 4 quadrants approach. So far about 5000 modules in Static format (text only) and about 2500 modules in 4 quadrants have been developed. To meet the deadline to complete the project by December 2015 (as was communicated by the MHRD), the UGC could assign job for only 68 Subjects and that too all subjects are not approaching to saturation. Prof. Kuhad stated that since now the time of project has been extended till 31st December 2016, the UGC shall undertake completion of content in all 77 subjects and that too to saturation.

It was informed that Courses developed under UGC programme are MOOC's Compliant and can be repurposed as and when the MHRD communicates it, however, PI's will have to be trained in MOOCs pedagogy appropriately.

The DEC observed the progress on development of e-content is slow and requested the UGC to take more proactive approach in completing the remaining courses by June 2016 in totality & in saturation. The representative from UGC may be invited to make a PPT & sample presentation to the DEC in its next meeting.

Agenda Item No. 4

Status Review CEC UG e-Content development & transition plan to SWAYAM.

The PI shared updates on CEC projects.

The PI declared with pleasure that Phase-I project has been completed. It comprises of 29 UG subjects with 8940 modules delivered. It was also informed that 26 subjects out of 29 have been uploaded on the CEC website. On the funds status, the MHRD has approved Rs.18.5 Crores on Phase-I and has released to CEC Rs.15.92 Crores and the PI requested the remaining funds to be released at the earliest, since the Phase-I has now been completed.

Phase II has 58 subjects assigned with approximately 16,300 modules, of which so far 3000 modules are complete, while the remaining are in process. DEC was informed that the budget released so far for Phase-II is Rs.17.80 Crores out of budget approved Rs.63.82 Crores. The project has exhausted the funds and PI requested the release of remaining part of sanctioned budget also at the earliest.

The DEC recommended the PI to hold PRSG Meeting, submit the Minutes of previous PRSG and the Utilizations Certificate to the TEL Bureau. The DEC asked the PI to submit matrix of all courses to Mission Secretariat.

The PI made two more requests for kind consideration of the committee:

1. PI's be provided academic incentive apart from remuneration to encourage participation
2. Budget for conduct of workshop and training's as part of proposal & DPR be sanctioned at the earliest.

Recommendations:

The DEC recommends, after submission of PRSG Report and Utilisation Certificate, the release of (i) balance funds to the PI for completion of Phase-I and) Next installment of Rs.17.8 Crores on account of Phase-II, should be made. The DEC also recommends release of Funds to PI for conduct of workshop and training's as per the DPR.

Agenda Item No. 5

Status Review T10KT project.

Prof Kannan made a PPT presentation on Spoken tutorials and status of T10KT project.

The PI made a request that:

- a) Request for release of the balance Rs.37.60 Crores.
- b) Balance of Phase I amount, Rs.4.51 Crores due of AVIEW project be released.
- c) PAB be approached for extension on timelines to 31st Dec 2016.

- **The DEC recommends that the Balance funds, due on Phase I, amounting to Rs.4.51 Crores, regarding AVIEW, be released after receiving the PRSG report and a letter from IIT Bombay that due diligence on AVIEW project has been made and the project has been completed as per deliverables committed.**
- **PAB may be approached by the TEL Bureau, for extension on timeline of the project till 31st Dec 2016 and release of the balance Rs.37.60 Crores.**

Agenda Item No. 6

Review all ongoing Projects for Continuation, Extension or Closure.

The DEC was informed that the 29th PAB in its meeting held on 20th May 2015, has while considering the Extension for continuing NMEICT Projects, decided Projects of sanctioned amount of one Crore or less, the respective PRSGs for Projects be held immediately to review the deliverables are completed as per the PAB approval.

The DEC recommends the TEL Bureau may look into list of projects, which are less than Rs.1.00 Crore budget in pipeline, send a communication to such PI's.,

that PI should ensure the respective PRSGs of the Projects wherever relevant are held immediately & the Committee to review the deliverables are completed as per the PAB approval and UC's are in order and the Report is submitted to DEC by February 5, 2016.

Agenda Item No. 7

E-content Generation and Delivery Management for Student - Centric Learning, NIT Warangal.

The members were informed that project has been approved by the PAB and has started in February 2010. NIT Warangal is executing the project. The targets set for the project are as follows:

- 1) Setting up of the studio for Content generation for Engg. & Tech. Subject.
- 2) Software matrix to be integrated with each of the Content Modules.
- 3) Training of 500 faculty per year and Human Resource Development through continuing Educational Programmes/Workshops/Conference.
- 4) A Resource Center to Conduct / Deliver Managed e-learning for desiring Engineering Colleges

To ascertain the achievement of deliverables as per target and for closure of the project, PRSG has to be constituted. Since there has been no formal request from the PI for either constituting the PRSG or holding the PRSG meeting, DEC may decide at its own for the members of the PRSG before subsequent notification by MHRD/ TEL Bureau.

The Chairman Domain Experts Committee considered the constitution of PRSG as under, so that further action can be taken by PRSG for monitoring and review of the project.]

1. Prof Mangalsunder, Chairperson
2. Prof Neelkantan, PSG college of Technology
3. Prof Uma Kanjilal, IGNOU New Delhi
4. Representative from NME-ICT (Shri Pradeep Kaul).

Agenda Item No. 8

Vidwan Expert Database and National Researcher's Network. INFLIBNET Centre.

The PI, vide letter dated 24th June 2015 has requested the Domain Expert Committee (e-Content) to constitute PRSG Committee of the project.

The Chairman Domain Experts Committee considered the constitution of PRSG as under, so that further action can be taken by PRSG for monitoring and review of the project.]

1. Prof Mangalsunder, Chairperson
2. Prof Neelkantan, PSG college of Technology
3. Prof Uma Kanjilal, IGNOU New Delhi
4. Representative from NME-ICT (Shri Pradeep Kaul).

Agenda Item No. 9

Discuss draft 'Guidelines for Development and Delivery of MOOCs', by Director, CEC & Member Sub-Committee of MOOCs Development & Implementation Committee.

The Members were informed that MHRD wide its orders Dated, 7th August 2015 has Constituted a Sub-Committee to List MOOCs Courses & frame Guidelines on MOOCs under the Chairmanship of Prof. R.C. Kuhad, Vice-Chancellor, Central University, Haryana. Prof. Rajbir Singh, Director has submitted the Draft Guidelines on MOOCs. The Chairman, Sub-Committee thanked Prof. Rajbir Singh, for having compiled the report and having submitted the Guidelines and informed the DEC, that he will go through the report, deliberates with the Sub-Committee Members and shall incorporate suggestions if any & submit the final report to the MHRD.

Agenda Item No. 10

A-VIEW, Phase-II, PI Prof. Kamal Bijlani, Amrita University.

The PI on the AVIEW Phase-I project made a Presentation. It was informed the PAB has approved a budget of Rs.34.46 Crores and Rs.29.95 Crores have been released so far. The Project has since been concluded and a balance of Rs.4.51 Crores is pending and the PI requested the remaining funds to kindly be released. PI also made a presentation on AVIEW Phase II project, its silent features, deliverables, time line and the budget required.

The DEC recommends since the IIT Bombay is the main PI and in the past there was some IPR issue on the project, the PI IIT Bombay may certify that the source code on the AVIEW development has been received by IIT Bombay. Meanwhile, Prof. Kamal Bijlani is required to get the Phase-I project reviewed by the PRSG, to verify the deliverables and the UC of AVIEW-I are in order and commensurate with the approval of the PAB. Accordingly, the funds pending may be released by the MHRD to the PI.

Agenda Item No. 11

Tabled Agenda, e-Yantra Next Phase.

Prof. Kavi Arya, IIT Bombay could not submit the proposal, nor did he attend the meeting.

Additional Agenda Item No. 12

Any other item with the permission of the Chair.

(A)

Project: "Translation and subtitling of Higher Education Video Lectures in Indian languages"

PI: Dr. Prathap Haridoss, IIT Madras

Anchor Institute: Indian Institute of Technology Madras

Control Number: PEC2602201513271

Project Cost: Rs.39.00 Crores

The PI made a PowerPoint presentation on the project proposed. The Members appreciated the proposal, offered some comments and commented that since the proposal was not circulated in advance to members, the Members shall now go through the proposal & the proposal may then be taken up in next DEC Meeting for deliberation.

(B)

Representatives from Skill Development Ministry provided a brief on schemes and similar programmes (e-content, e-books etc.) run by the Ministry. The Members appreciated the work being undertaken by Skill Development Ministry and the DEC expressed willingness to extend its help that may be required in development of e-content, MOOCs or any thing else that the Skill Development Ministry may want to have.

The Skill Development Ministry representatives sought to seek help on following 2 areas:

1. Experts required to deliver lectures in ITI's e content development
2. Help with upload of e content already developed.

The DEC recommended the representative of the Ministry of Skill Development and Entrepreneurship may in this case approach Additional Secretary (TE) & Mission Director, NMEICT, MHRD.

(C)

A discussion took place whether the MOOC's content development will be part of the DEC on Content, was also raised and whether it should be renamed to include MOOC too.


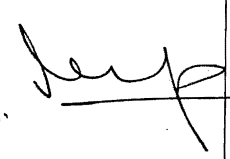

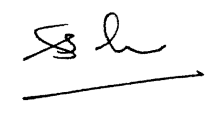


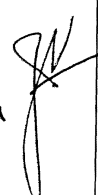
The DEC suggested that whether the MOOC's content development will be part of the DEC-Content, it is for the Ministry and Mission to take a call, accordingly a notification on it to be issued.

The Meeting ended with thanks to the Chair.

ATTENDANCE OF SECOND MEETING OF "DOMAIN EXPERT COMMITTEE (e-Content)"

Date & Time : 23rd November, 2015 at 11:00 hrs



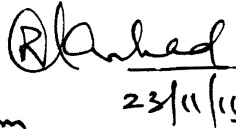
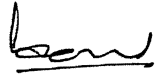

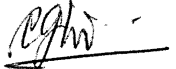

Venue : Conference Hall, Central Secretariat Library, G-Wing,
Shastri Bhawan, New Delhi.

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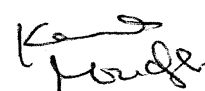

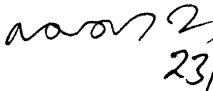

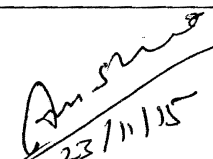
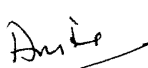
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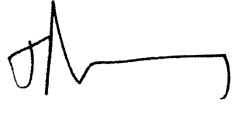



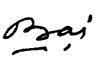


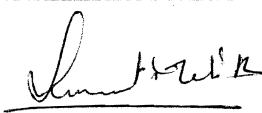
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