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File No.NMEICT (MS)/PAB/22
Government of India
Ministry of HRD
Department of Higher Education

7th December, 2011

To

All Members of Empowered Committee of Experts
(Project Approval Board) of National Mission on
Education through Information and Communication
Technology (As per list enclosed)

Sub: Agenda and Change of Venue - 22nd Meeting of the Empowered Committee of
Experts (Project Approval Board) of National Mission on Education through
Information and Communication Technology (NMEICT) to be held on 9th
December, 2011 at 4.00 p.m.

Sir/Madam,

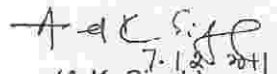
Please refer to our letter of even number dated 22nd November, 2011 regarding
22nd Meeting of the Empowered Committee of Experts (Project Approval Board) of
National Mission on Education through Information and Communication Technology
(NMEICT) to be held on 9th December, 2011 at 4.00 p.m. The venue of the meeting has
been changed. Now the meeting will be held at the following venue:

**Conference Room (First Floor)
Central Secretariat Library (CSL) Building
Shastri Bhavan
Dr.Rajendra Prasad Road
New Delhi-110001**

Agenda for the meeting is enclosed.

Kindly make it convenient to attend the meeting.

Yours faithfully,



(A.K. Singh)

Director (ICT)

Tel: 011-23384276

Copy to:

1. PSO to Secretary (HE)
2. PS to AS(TEL)
3. PS to JS&FA
4. US(TEL)

AGENDA FOR 22nd MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY TO BE HELD ON 9TH DECEMBER, 2011 AT 4.00 P.M. IN CONFERENCE ROOM (FIRST FLOOR), CSL LIBRARY, SHASTRI BHAVAN, NEW DELHI.

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Item No.1

The Minutes of the 21st Meeting of the Project Approval Board held on 11th August, 2011 are placed below (**Appendix-1 Page No._____**) for kind perusal and confirmation please.

Item No.2

The Action Taken Report on the Minutes of the 21st Meeting of the Project Approval Board held on 11th August, 2011 is given at **Appendix-2- (Page No.____)**.

Item No.3

Approval of New Projects recommended by Standing Committee

The following projects were put up to PAB in its 21st meeting held on 11th August, 2011. PAB deferred the project for the next meeting:

Standing Committee in its various meetings recommended the following projects:

Standing Committee Meeting - 8th January,2011

3.1. E-COURSE DEVELOPMENT, Project investigator: Dr N.BASKARAN, DEPARTMENT OF PHILOSOPHY, NATIONAL COLLEGE, TIRUCHIRAPALLI-1 Control Number: Ne04011010497

Standing Committee in its Meeting held on 8th January, 2011 recommended the project:

The extracts of the minutes meeting are as follows:

Name of the Project: E-COLIRSE DEVELOPMENT

Control No. Ne - 0401 1010497

Name of PI(s): Dr N.BASKARAN (e-mail ID: sakthibass~yahoo.com), DEPARTMENT OF PHILOSOPHY, NATIONAL COLLEGE, TIRUCHIRAPALLI-1

Proposed Budget: 18 (Subjects) X 7, 00,0001- = Rs.1, 26, 00,0001-

Observations and Recommendations of SC

The PI proposed to produce e-content courses in Philosophy for PG students in 18 subjects at a cost of Rs.1.26 crores. The PI has already presented his proposal last year. After seeing the presentation, the SC advised the PI to evolve e-content production using the 4-quadrant approach and advised to produce Two Pilot courses of minimum 40 lectures each. The SC recommended Rs.14 lakhs for creating Two Pilot courses of minimum 40 lectures each.

However, the PI may submit the budget along with detailed appraisal in the prescribed format. The detailed appraisal will be conducted in the next/subsequent meeting of the Standing Committee to be notified.

The Appraisal done by the Standing Committee is enclosed (**Appendix-3 – Page No.37**)

The Standing Committee recommended for a total amount of Rs. 13.45 lakhs.

Standing Committee Meeting – 5th March, 2011

3.2. Development of e-courses in B.com, M.com, MBA

Prof. H. Venkateshwarlu Haripuram, Principal, University College of Commerce & Business Management, Osmania University, Hyderabad

The extracts of the SC meeting are as follows:

*PI: Prof. H. Venkateshwarlu Haripuram, Principal
Institute: University College of Commerce & Business Management,
Osmania University, Hyderabad-500007
email: Haripuram@yahoo.com
Mobile: 09848209660
Title: Development of e-courses in B.com, M.com, MBA
Control no.: Pe-14120910459*

*Proposes to deliver 175 courses of 7,000 hours in 4-quadrant
Demonstrated some lessons that the PI developed.*

The SC recommends the following two courses:

- a. Business environment*
- b. Financial accountancy*

with a total outlay of Rs. 14 lakhs.

The Committee recommends that the rest of the courses be proposed in a consortium mode and a presentation made again before further funding.

The Appraisal done by the Standing Committee is enclosed (**Appendix-4 Page No. _____**).

The Standing Committee recommended Rs.14 lakhs for two pilots (One in Business Environment and second in Financial Accountancy). However, PI/Co-PI honorarium without participation in content development not recommended by the Standing Committee.

3.3. e-content for all media courses

PI: Dr. N.S. AshoK Kumar, Professor & Coordinator, Dept of Electronic Media Bangalore University, Palace Road, Bangalore

The extracts of the SC meeting are as follows:

*PI: Dr. N.S. AshoK Kumar, Professor & Coordinator
Institute: Dept of Electronic Media Bangalore University, Palace Road,
Bangalore-560009
email: kumarnaashi@yahoo.com
Ph: 080-22961282*

*Title: e-content for all media courses
Control number: De-03081011176*

Broadcast journalism.

To produce multimedia lessons and video documentaries, to teach the nuances of TV and radio production. To incorporate motion video, graphics, animation, audio clips. To teach how to create multimedia.

27 e-courses that require TV studio will be useful to colleges that do not have access to such expensive studios.

Proposes to make them in 4-quadrant approach, suitable for 40 hours of lecture.

The total budget for this project is Rs. 1.89 crore, which is as per the funding norms of this Mission.

He proposes to make available these courses in Kannada language also.

The SC is appreciative of the project proposal. There has been no other proposal in this area. The PI is recommended to do two courses (Electronic media and animation) at Rs. 14 lakh as a pilot phase. The PI should also explain the use of FOSS tools as a part these courses. He is urged to complete the two courses ASAP.

After a review of these two courses, funds for the remaining courses can also be made available.

The Appraisal done by the Standing Committee is enclosed (**Appendix-5 – Page No. _____**)

The Standing Committee recommended Rs.14 lakhs for two pilots (One - Introduction to Mass Communication and second Graphics and Animation).

3.4. Designing, developing and Delivery of subject Hospital Support Services e-content for students of Hospital and Health care Management by Dr. L. Kalyan Viswanath Reddy, Hemchandracharya North Gujarat University, Gujarat

The extracts of the SC meeting are as follows:

**Designing, developing and Delivery of subject Hospital Support Services e-content for students of Hospital and Health care Management by Dr. L. Kalyan Viswanath Reddy, Hemchandracharya North Gujarat University, Gujarat
Control No: DE-15011111724**

Objectives:

- To design and develop an e-content of the subject Hospital Support Services for the students of Hospital and Health Management.

- The major areas of application of this subject include Billing services, CSSD, Medical records, Housekeeping, Security services, Bio Medical engineering department, Tele medicine, Food and beverages, Administration of Hospital etc.

Deliverables:

- The designing and developing of this subject is done by 4 ways
 - e content generation.
 - Video lecture with animations and flash.
 - Webiliography.
 - Self assessment questions with quiz and online exam after the topic.
- Total topics to be developed – 10 topics
- Total number of video lectures developed – 41
- To be completed in 7 months

Total Budget required: 6.472 lakhs

Recommendation: Project is recommended as per the budget submitted by PI.

The Appraisal done by the Standing Committee is enclosed (**Appendix-6 – Page No._____**)

The Standing Committee recommended for a total amount of Rs.6,47,200/-

Standing Committee Meeting - 26th March, 2011

**3.5. e-Content Generation For Specialized Training Programs Of Bio-Medical and Electronics Product Design domain, PI: Chetan Manchanda, CDAC, Mohali
Control Number:-CE-10011111669**

The extracts of the SC meeting held on 26th March, 2011 are as follows:

PI: Chetan Manchanda

**Title: e-Content generation for specialized training programs of electronics hardware and animation domain Institute: CDAC Mohali
CONTROL NUMBER: CE-100 11111 669**

Propose to create 16 courses (9+7) in two years, at a cost of Rs. 112 lakh.

Biomedical electronics - 3

Multimedia and animation - 6

Repair and maintenance of PC and peripherals - 1

Microcontroller (architecture, programming and interfacing) - 1

Wireless and Broadband (VoIP) - 3

Electronic product design and technology - 2

A pilot of two courses, one in the area of (1) biomedical electronics, technology and maintenance and (2) electronics product design and technology is recommended at a total project cost of Rs. 14 lakh.

The Appraisal done by the Standing Committee is enclosed (**Appendix-7 Page No.71**)
The Standing Committee recommended a pilot of two courses, one in the area of (1) biomedical electronics, technology and maintenance and (2) electronics product design and technology is recommended at a total project cost of Rs. 14 lakh.

Standing Committee Meeting - 16th July, 2011

3.6. Development of E-content for academic courses and professionals in the areas of the IT enabled Management, Dr.Deepali Singh, De-0403100569, ABV-Indian Institute of Technology and Management, Gwalior

Standing Committee in its Meeting held on 16th July, 2011 recommended the project:
The extracts of the meeting are as follows:

Dr.Deepali Singh, De-0403100569, ABV-Indian Institute of Technology and Management, Gwalior

- E-content for IT enabled management
- ABVIIT, IITD, and IIM Shilong (partners)
- Training of teacher and professionals in above courses.
- Workshop for finalization of course curriculum
- Testing of e-content through students.
- 14 lakhs funds required.
- How the four quadrants will be made? Answered satisfactorily. Content will be prepared in four quadrants.
- Recommended the release of Rs.14 lakhs in the beginning of the project for two courses.
- Recommended that a project monitoring committee be formed. The onus of reviews getting done lies with PI.

The Appraisal done by the Standing Committee is enclosed (**Appendix-8 – Page No.75**)

Standing Committee recommended the release of Rs.14 lakhs

3.7. e-Content Development for the course “Extension Education, Dr. Avani Maniar, Department of Extension and Communication, M.S University, Vadodara. Control No. _AE-11071011058

Standing Committee in its Meeting held on 16th July, 2011 recommended the project:

The extracts of the meeting are as follows:

Dr. Avani Maniar, Department of Extension and Communication, M.S University, Vadodara.

- E-content development for the course on extension education
- Extension education in digital form
- Content will have audio video, live example
- Econtent validation to be done

- Evaluation by experts for verification
- Will be placed online for access.
- Rs.7.03 lakhs requested.
- Rs.7 lakhs recommended at the beginning of project subject to feedback received from at least three experts in the area.

The Appraisal done by the Standing Committee is enclosed (**Appendix-9 Page No.79**)

Standing Committee recommended Rs.7 lakhs at the beginning of project subject to feedback received from at least three experts in the area.

Item No.4

NIFT Chennai coordinated consortium

Title: E-content for Fashion Design and Technology subjects

CONTROL NUMBER: De-1008 1011 211

This item was discussed in the 19th meeting of the PAB held on 15th March, 2011 as Additional Item. The extracts of the meeting are as follows:

NIFT Chennai coordinated consortium

Title: E-content for fashion design and technology subjects

CONTROL NUMBER: De-1008 1011 211

“Prof. Kannan Moudgalaya (Member, Standing Committee) from IIT, Bombay informed PAB that the above mentioned proposal submitted by NIFT to NMEICT has been examined and scrutinized by the Standing Committee but could not be included in the Agenda Papers for this meeting of PAB held today i.e. 15.3.2011. He also informed that this is a good proposal and Standing Committee has recommended Rs.7.75 crore approximately for this project. PAB felt that since no agenda has been circulated, it would be better that Chairperson, PAB may be authorized to take a decision in this regard. Accordingly, Chairperson was authorized to take the decision in the matter. It was also decided that simultaneously, this Agenda item may be circulated to all members of PAB through e-mail.”

The agenda papers as circulated through e-mail are attached at **Appendix-10 (Page No._____)**

The comments received from Adviser, Department of Science & Technology are attached at **Appendix-11 (Page No._____)** However, no comments from any other members of PAB have been received.

PAB may consider the above and take the decision.

Item No.5

**GNUKhata,
PI, Shri Manik Shingare and Krishnakant Mane of Master Dinanath Mangeshkar College
of Arts and Commerce, Aurad, Shajani,Tq.Nilanga,Distt.Latur**

As per the approval of the PAB in its 16th meeting held on 1st September, 2010 an amount of Rs.23 lakhs was approved. The project was awarded to Shri Manik Shingare and Krishnakant Mane of Master Dinanath Mangeshkar College of Arts and Commerce, Aurad, Shajani,Tq.Nilanga, Distt.Latur and as per the approval, the funds were to be routed through IIT Bombay.

Consequent to issue of sanction order dated 10th January, 2011, Prof.Kannan Moudgalya of IIT Bombay vide mail dated 25th March, 2011 (**Appendix-12 Page No._____**) has sought permission to run the project from IIT Bombay itself and in his mail he stated that he did not intend to transfer the funds to the PI's Institute.

The matter was put up to Standing Committee in its meeting held on 6th August, 2011. The extracts of the meeting are as follows:

“The case of GNUKhata was discussed. This project has already been sanctioned and routed through IIT Bombay. The project is supposed to be carried out by Manish Shingare of Latur College and Krishnakant Mane. IIT Bombay may coordinate this project, while ensuring that Mr. Shingare and Mr. Krishnakant Mane deliver the work assigned to them.”

The above is put up to PAB for decision please.

Item No.6

Directions of PAB in cases where Principal Investigators (PIs) are no longer in the institutions concerned- Case of Visvesvaraya Technological University (VTU), Mysore

An Item (Item No.5) "Directions of PAB in cases where Principal Investigators (PIs) are no longer in the institutions concerned" was placed before the PAB. PAB decided the following:

"PAB deliberated on the issue and decided that such cases may first be referred to Standing Committee and its views/comments/recommendations may be placed before PAB for decision. PAB also directed that SC may also explore the possibilities of adjudicating whether Co-PI can carry forward the project in the event of PI leaving the institute. PAB further directed that any person should not be more than 70 years of age to become PI."

The case of Visvesvaraya Technological University (VTU), Mysore regarding change of In-charge of the pilot project was discussed in the Standing Committee held on 6th August, 2011 and Standing Committee decided that **"The new Vice Chancellor of VTU could continue with the projects assigned to the VC of VTU."**

The above is placed before the PAB for information.

Item No.7

Development of Vocational Educational Modules and use of Haptic Devices – Virtual Laboratories and VLSI and Embedded Systems, Mizoram University

This item was placed before the PAB in its 21st meeting held on 11th August, 2011 and the same was deferred for the next meeting.

IIT, Delhi was requested vide MHRD's letter dated 29th June, 2011 for recommendations of the expert committee for evaluating the above pilot project. In this connection the technical evaluation made by IIT, Delhi in respect of VJTI, Mumbai, NIST, Behrampur and GP Pant Engg College, Delhi and the reports submitted are enclosed (**Appendix-13 – Page No.**_____ for information.

Item No.8

Status of Expenditure under NMEICT

The detailed agenda will be placed in the meeting.

Item No.9

Brainstorming for Future Roadmap of NMEICT

Broadly under the NMEICT Scheme, connectivity has been provided to approx. 389 universities and around 13000 colleges in various parts of the country. The e-content for various courses is being generated by IIT-M, Chennai under their NPTEL Programme. The CEC and UGC are also developing e-content for various under graduate and post graduate courses respectively. A low cost access device to be provided to students has already been launched by Hon'ble HRM in October 2011.

The above information is submitted to PAB for discussion on the future roadmap of NMEICT Scheme.

**Appendices to the Agenda Papers will
be placed in the meeting**

MINUTES OF 21st MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY HELD ON 11th AUGUST, 2011 AT 4.00 P.M. IN CONFERENCE ROOM NO.112-C-WING, SHASTRI BHAWAN, NEW DELHI

The 21st Meeting of the Empowered Committee of Experts (Project Approval Board) (PAB) of National Mission on Education through Information & Communication Technology was held on 11th August, 2011 at 4.00 p.m. in Conference Room No.112-C-Wing, Shastri Bhawan, New Delhi under the Chairpersonship of Secretary, Department of Higher Education, MHRD.

The list of participants is at **Annexure**.

Mrs.Vibha Puri Das, Secretary, Department of Higher Education welcomed all the participants. Thereafter, the agenda items were discussed and the following decisions were taken:

Item No.1:

Chairperson requested all the members to give their comments on the Minutes of the 20th PAB Meeting. No comments were received. Thereafter, the Minutes of the 20th Meeting of the Project Approval Board held on 2nd May, 2011 were confirmed.

Item No.2

The Action Taken Report on the Minutes of the 20th Meeting of the Project Approval Board held on 2nd May, 2011 was noted by the PAB.

Item No.3

Approval of New Projects recommended by Standing Committee

The following projects were discussed by PAB and decisions taken as mentioned against each:

- 3.1. E-content generation for adult and non-formal education programme**
SUBMITTED BY :- R. Pandya, Faculty of family and community sciences, MS University, Baroda
CONTROL NUMBER :- DE-21071011123

PAB considered this proposal and opined that this project should be funded by the Adult Education Bureau of MHRD. PAB directed to check with that Bureau whether it is possible for that Bureau to fund this project. PAB further decided that this project will be funded through NMEICT if Adult Education Bureau is not in a position to fund this project. In that case, funds to the tune of Rs.14,08,800/- may be released from NMEICT.

3.2. Development of e-content for undergraduate students in science in the area of chemical process industries, Dr. Nirmal Kumar Kantibhai Patel, NV Patel College of Pure and Applied Sciences.

DE-13091011333

PAB approved the project. PAB also decided to release Rs.7.00 Lakhs to IIT, Madras, which is executing NPTEL project. PAB further directed that PI may be asked to join NPTEL.

**3.3. Development of e-courses in B.com, M.com, MBA
Prof. H. Venkateswarlu Haripuram, Principal, University College of Commerce & Business Management, Osmania University, Hyderabad**

Control no.: Pe-14120910459

Deferred for the next Meeting.

3.4. e-content for all media courses

**PI: Dr. N.S. Ashok Kumar, Professor & Coordinator, Dept of Electronic Media
Bangalore University, Palace Road, Bangalore**

Control number: De-03081011176

Deferred for the next Meeting.

Item No.4

Proposal for Production of Courseware E-Content for Postgraduate Subjects, UGC, New Delhi (Control Number: UE-30041111980)

The proposal was discussed in detail by the PAB. JS & FA said that commitment from UGC may be obtained that it will execute the project and deliver the output in a specific time frame, e.g. by a specific month, with identifiable deliverables to be achieved. This was accepted by the PAB. Subject to this, after deliberations, PAB approved the proposal as recommended by the Standing Committee. PAB, therefore, approved Rs.84.00 crore, to UGC. PAB also decided that Chairman, UGC will be the Chairman of the Programme Implementation Committee. PAB further decided that due diligence by Standing Committee will continue.

Item No.5

Virtual Labs Project (Remote Triggered Labs)

Prof. Ranjan Bose of IIT Delhi explained the details about the project. He informed that due diligence has already been done by the experts and the Standing Committee. He requested for separate amount for continuation of labs and extension of pilot project. PAB advised that these labs should be cost effective and only costly experiments can be made virtual and inexpensive experiments may not be covered. PAB suggested that these facilities can also be provided to the students who cannot afford these types of high-cost labs. It was also suggested that students and teachers should be motivated to use these virtual labs and a circular to all the universities/colleges/institutions by the statutory bodies like AICTE/UGC may be issued for

making use of these labs. Chairperson stressed that the fundamental purpose of the Mission should be fulfilled. PAB considered the proposal as recommended by the Standing Committee and approved Rs.2268.23 Lakhs to IIT, Delhi. PAB also decided that Mission Director (NMEICT) may request AICTE/UGC to issue a circular to the universities/colleges/institutions, requesting them to encourage and motivate students to make use of such virtual labs and consider giving some weightage in academic process. Prof. S V Raghavan suggested inclusion of Doctoral Courses as well while writing to AICTE/UGC.

Item No.6

Extension of pilot project, namely, ‘text transcriptions of technical video index, metadata and online quizzes’ sanctioned to Indian Institute of Technology, Madras under National Mission on Education through Information and Communication Technology Scheme.

PAB approved extension of pilot project, ‘text transcriptions of technical video index, metadata and online quizzes’ upto 31.3.2012 to Indian Institute of Technology, Madras. It was also suggested that text may be shown as tickers in the videos. Further PAB decided that the task of giving extension of time to projects sanctioned under NMEICT may be entrusted to the Standing Committee which may decide such matters on case-to-case basis.

Item No.7

Budget Estimates for 2011-12 for TSG/Mission Secretariat of NMEICT

PAB approved budget estimate of Rs.435.63 lakhs for the Mission Secretariat for the year 2011-12.

Item No.8

Requirement of Furniture for Mission Secretariat of NMEICT

PAB approved an amount of Rs.10-12 lakhs for purchase of office furniture for Mission Secretariat within the overall budget. PAB also thanked the VC, IGNOU for providing office space to the Mission.

Item No.9

Development of Vocational Educational Modules and use of Haptic Devices – Virtual Laboratories and VLSI and Embedded Systems, Mizoram University

PAB deferred this item for the next meeting.

Item No.10

Management Information System (MIS) of NMEICT

A presentation was made by Prof. Uma Kanjilal of IGNOU highlighting various aspects of MIS being developed on the sakshat portal which include tracking of projects, regular monitoring and creation of other relevant database. PAB suggested that inclusion of aspects such as delivery of e-contents to learners may be made part of MIS with in-built feedback mechanism. It was decided that a detailed presentation in this regard may be made to PAB separately. Mission Secretariat will organize this.

Item No.11

Strengthening of the Standing Committee of NMEICT

The item was discussed in detail. PAB suggested that the Standing Committee while recommending any project must see that inputs from a minimum of 3 subject experts should be taken and there should be a minimum score of 4 on a scale of 5. It was decided by PAB that minimum of seven Standing Committee Members who attended a minimum of 30% of last 12 months' meetings should be present, deliberate, recommend and sign the minutes. However, attendance of members/experts through video-conferencing may also be counted. It was further decided that the existing method of evaluation of the project on the basis of the ten-point Appraisal be continued.

Item No.12

Extension of pilot project, namely, "Establishing e-training environment for training technical teachers and students (creation of four courses)" sanctioned to National Institute of Technical Teachers Training and Research (NITTTR), Chennai.

PAB decided that Standing Committee may decide extension up to 31.12.2011 to National Institute of Technical Teachers Training and Research (NITTTR), Chennai for executing the pilot project namely, "Establishing e-training environment for training technical teachers and students (creation of four courses)". PAB, therefore, decided to refer this matter to Standing Committee.

Additional Agenda

Item No.1

Appointment of Consultants under NMEICT

The item was discussed. After discussion, PAB noted the following:

1. Mr.Pradeep Kaul who was recommended by Selection Committee for deputation and has retired on 30th April, 2011 can be offered contractual appointment on a remuneration of Rs.75,000/- p.m. subject to the remuneration and pension plus DA admissible on pension not exceeding his last pay drawn plus DA admissible on last pay drawn.

- (b) Similarly, as recommended by the Selection Committee contractual appointment may be offered to Prof.M.U. Deshpande on a remuneration of Rs.75,000/- p.m. subject to the remuneration and pension plus DA admissible on pension not exceeding his last pay drawn plus DA admissible on last pay drawn.

Item No.2

Approval of projects recommended by Standing Committee

- 2.1 E-COURSE DEVELOPMENT, Project investigator: Dr N.BASKARAN, DEPARTMENT OF PHILOSOPHY, NATIONAL COLLEGE, TIRUCHIRAPALLI.
Control Number: Ne04011010497**

Deferred for the next meeting.

- 2.2. Designing, developing and Delivery of subject Hospital Support Services e-content for students of Hospital and Health care Management by Dr. L. Kalyan Viswanath Reddy, Hemchandracharya North Gujarat University, Gujarat
Control No: DE-15011111724**

Deferred for the next meeting.

- 2.3. e-Content Generation For Specialized Training Programs Of Bio-Medical and Electronics Product Design domain, PI: Chetan Manchanda, CDAC, Mohali
Control Number:-CE-10011111669**

Deferred for the next meeting.

- 2.4. Development of E-content for academic courses and professionals in the areas of the IT enabled Management, Dr.Deepali Singh, De-0403100569, ABV-Indian Institute of Technology and Management, Gwalior**

Deferred for the next meeting.

- 2.5. e-Content Development for the course "Extension Education, Dr. Avani Maniar, Department of Extension and Communication, M.S University, Vadodara.
Control No. _AE-11071011058**

Deferred for the next meeting.

- 2.6. PI: Vishal Sahni, Institute: DEI, Partners: IITD, IITK, Title: Quantum Nano Systems, CONTROL NUMBER: VS24220099870**

A presentation was made by Dr.Vishal Sahni with regard to his project before PAB. After discussion and taking into account the recommendations of the Standing Committee, PAB approved release of the next installment of 30% of Rs.5 crore, i.e., Rs.1.5 crore to Dayal Bagh Educational Institute, Agra for the main project. It was also suggested by PAB that wherever costly equipments are being purchased for any project, market survey and proper purchase procedure should be followed. It should also be seen that the same can be used by other PIs and become property of virtual labs so that there should not be any duplication.

**2.7. e-Content Development, PI: Tilak R. KEM, CEC
CONTROL NUMBER: DE-19111011541**

The proposal of CEC was discussed in the PAB. PAB approved the balance amount of Rs. 6.1 crores to CEC as recommended by the Standing Committee.

**2.8. Technology for Analysis of Rare Knowledge Systems for Harmonious Youth Advancement (TARKSHYA), PI: Dr. Ramanujan, CDAC, Bangalore
CONTROL NUMBER: Pe-24090910307**

It was informed to PAB that this project was earlier presented in the PAB and PAB had initially approved the pilot component of Rs. 50 lakhs. The pilot project is now completed with favourable inputs from the referees.

Dr. Ramanujan, Director, CDAC, Bangalore was requested to give details of the project and the same were given by him. PAB wanted to know as to how many students have been benefited from the programme. It was informed by Dr. Ramanujan that about 1000-2000 students are being benefitted. Keeping in view the cost:learner ratio, PAB advised Dr. Ramanujan to join hands with UGC who are going to develop all e-contents for PG level courses.

**2.9. S&T inputs from Sanskrit for modern times, PI: Dr. Ramanujan, Institute: CDAC, Bangalore
CONTROL NUMBER: De-02031010560**

Dr. Ramanujan presented his pilot project proposal for Rs. 25 lakhs for a project that gives S&T inputs from Sanskrit for modern times. PAB wanted the presenter to explore whether this would cover content generation for any course being offered by any university and if so, then come back.

2.10. NPTEL, PI: Prof. M. S. Ananth, IIT Madras

Prof.M.S.Ananth, Ex-Director, IIT Madras explained the details and the current status of NPTEL. It was suggested by PAB that a proper Action Plan may be prepared for more mileage to be derived from NPTEL. It was also suggested that AICTE be requested to issue a circular mentioning that the NPTEL material is available for the learners and students/learners should be encouraged to use it. After detailed discussions, PAB approved release of the remaining amount of Rs. 40 crore to IIT Madras for NPTEL Programme under NMEICT Scheme, as recommended by the Standing Committee.

**2.11. Developing E-Content in Shastri (Hons.) & Acharya courses, PI: Prof. Ramesh Panda, BHUIT,
Control Number: RE-28111011549**

The Pilot project proposal of Prof. Ramesh Panda for the development of 5 Sanskrit courses was discussed. PAB advised that this project may be taken up by CEC-UGC who are developing other UG courses and Prof. Ramesh Panda may be advised to work with CEC.

Item No.3

Inclusion of private colleges under the N-LIST programme

The item was discussed. After discussion, PAB approved that the N-list programme be allowed to enroll private colleges at par with Government colleges. It was suggested by PAB that a circular to other colleges who have not so far registered with N-LIST programme may be sent on monthly basis by INFLIBNET.

Item No.4

Allocation of funds to States for NMEICT Awareness related issues

The item was discussed. It was informed to PAB that during the last zone-wise meeting of Principal Secretaries/Secretaries of Higher Education & Technical Education of States/Union Territories held in MHRD, it was suggested that to propagate the objectives of NMEICT and create awareness among the different institutes/universities, States/Union Territories may be allocated some funds.

After discussion, PAB approved funding of Rs.10 lakhs for bigger States and Rs.5 lakhs for smaller States & Union Territories respectively, for this purpose based on their requirement. The funds will be transferred through Mission Secretariat.

Item No.5

Approval for extension of projects under NMEICT

The item was discussed. After discussion PAB decided that extension of all projects may be decided by the Standing Committee based on the merits of each case. PAB, therefore, directed to refer the matter to Standing Committee.

Item No.6

Presentation on Communication and Bulk Storage Servers

It was informed that PAB in its 17th meeting held on 26th November, 2010 had constituted a Committee on "Communication and Bulk-Storage Servers at 100 premier institutions" under NMEICT Scheme.

A presentation on the progress made in this regard was made by Mr. R S Mani, NIC, New Delhi and Dr.Huzoor Sharan of IIT Delhi. Prof. Raghavan also briefed the PAB about the progress made in this regard in various meetings of the Committee.

The item was discussed in detail. It was indicated by the members of the Committee that an amount of Rs.20 crores for setting up a small Research & Development facility and approx. Rs.60 crores to NIC for setting up national data centres is required. PAB suggested that it may be seen if some other funding route for R&D facility may be explored. Director, IIT, Hyderabad

suggested participation of private sector in this process, as far as possible. After detailed discussion, PAB decided that the Committee should come out with a clear cut, comprehensive and concrete recommendations as per Terms of Reference of the Committee set up for the purpose. While recommending the proposal, aspects such as data safety, storage, cyber security, etc. issues also need to be taken care of.

Item No.7

Presentation by BSNL

A presentation was made by Mr.Anil Jain of BSNL on the progress made with regard to providing connectivity to universities and colleges under NMEICT.

It was informed by Mr.Jain that 377 universities and 12188 colleges have been connected. It was also informed by him that there are about 6500 colleges in the country where even no computer is available. In the absence of any system, connectivity, if provided to colleges, cannot be tested. He has requested that PAB may consider providing LCADs, being developed/procured under NMEICT, to these colleges where computers are not available. PAB noted the status of Connectivity to Universities/Colleges.

Table Agenda

Item No.1

Approval for Sitting Fee to members of Evaluation Committee

PAB was informed that recently an Evaluation Committee has been constituted by MHRD to rigorously conduct evaluation of the NMEICT Scheme. As per the present norms, a sitting fee of Rs.1,000/- is being paid to non-official members of PAB and Rs.2,000/- for subject experts evaluating the DPRs. The issue of sitting fee to members of the Evaluation Committee was discussed. The Chairperson suggested that the matter may be decided internally with Integrated Finance Division of MHRD and may be put up to PAB for information/ratification later.

Other Issues :

PAB took the following decisions:

- (i) Costly equipment purchased by the Institutions out of funds released under NMEICT may be used for Virtual Labs after completion of projects.
- (ii) While examining proposals, Standing Committee will also look into the procedure to be adopted for purchase of costly equipment by the institutions concerned and also make some comparison of cost of equipment with available equipments in some other places. This will be incorporated in Standing Committee's recommendation to PAB.

- (iii) Standing Committee will assess and make suggestions to PAB in the next meeting as to what is the material in the form of e-contents, which is ready and can be delivered to the learners.

There being no other item, the meeting ended with a Vote of Thanks to the Chair.

Annexure

Attendance of the 21st Meeting of the Project Approval Board (PAB) of the National Mission on Education through Information & Communication Technology (NMEICT) held on 11th August, 2011 at 4.00 p.m. in Conference Room No.112-C Wing, Shastri Bhawan, New Delhi

S.No.	Name, Designation and Address	Phone No., Fax and Email
1	Ms. Vibha Puri Das Secretary (HE) MHRD, Shastri Bhawan, New Delhi	Chairperson
2	Dr. S.V. Raghavan, Scientific Secretary to Principal Scientific Advisor, Govt. of India Vigyan Bhawan, New Delhi	
3	Shri. N.K.Sinha Additional Secretary(TEL) Department of Higher Education, MHRD, Shastri Bhawan, New Delhi	23387781 nksinha.edu@nic.in
4	Shri. A.N. Jha JS & FA Ministry of Human Resource Development Shastri Bhawan New Delhi	ajay.jha@nic.in 9911118581
5	Shri R.P Agrawal Chairman BOG IIT, Delhi 31, Greenwoods Society Phase 2, Sector Omega 1 Pocket P2 Greater Noida-201308	9910823311 rpa1949@gmail.com
6	Prof. V.N. Rajashekharan Pillai Vice- Chancellor Indira Gandhi National Open University (IGNOU) New Delhi	vc@ignou.ac.in vnr.pillai@ignou.ac.in 011-29532484 9810982888 Fax- 011-29535933
7	Prof. M.S. Ananth Former Director IIT, Madras	ananth@iitm.ac.in
8	Prof. U.B.Desai, Director, IIT, Hyderabad Indian Institute of Technology Ordnance Factory Estate Yeddumailaram 502205 Hyderabad Andhra Pradesh	09491440801 Ph. (040) 2301 6032 ubdesai@iith.ac.in , director@iith.ac.in

9	Shri Ajay Khare Director School of Planning & Architecture Bhopal	director@spabhopal.ac.in 0755-2670910 09425019780
10	Dr. H. Maheshappa Vice Chancellor Visvesvaraya Technological University Belgaum Karnataka	9880288083 vc@vtu.ac.in
11	Prof. Somnath Sengupta Dean (CE) IIT, Kharagpur	ssg@ece.iitkgp.ernet.in
12	Prof. Kannan Moudgalya IIT, Bombay	9869326979 022-25767213 kannan@iitb.ac.in
13	Shri Anil Jain Sr.GM (NWP-BB) B.S.N.L	akjain@bsnl.co.in 011-23734057 9868887007
14	Prof. Hazur Saran Professor IIT, Delhi	saran@iitd.ernet.in
15	Shri R. Saji Kumar Additional GM (NWP-BB) BSNL	rsajikumar@bsnl.co.in 9868280066
16	Shri. R.S.Mani Senior Technical Director NIC	rsm@nic.in 9868209134
17	Dr. Jagdish Arora Director, INFLIBNET Ahmedabad-380009	9725051200 jarora@inflibnet.ac.in
18	Prof. Ranjan Bose IIT, Delhi	9818253072 rbose.iitd@gmail.com
19	Prof. Uma Kanjilal Professor School of Social Sciences IGNOU	9810488895 umakanjilal@ignou.ac.in
20	Shri Navin Soi Director (Finance) MHRD New Delhi	
21	Shri Rajesh Singh Dy. Secy (TEL) MHRD New Delhi	rajeshsingh.edu@nic.in
22	Dr. P. Ramanujan Director C-DAC Bangalore	rama@cdac.in 09449088616

23	Shri Jaison A. Manjaly Assistant Professor IIT, Gandhinagar	09227508985
24	Dr. Ramesh Chandra Panda Dean, Faculty of Sanskrit Learning and Theology Professor & Head Department of Vyakarana (Sanskrit Grammar) Banaras Hindu University Varanasi-221005	91-9415992108 rcpanda@bhu.ac.in
25	Shri Raj Kumar Under Secretary Department of Higher Education Room No. 225 "C" Wing MHRD, Shastri Bhawan New Delhi	23384187 raj64in@indiatimes.com
26	Dr. Vishal Sahni Project Coordinator Quantum-Nano Centre Faculty of Engineering Dayalbagh Educational Institute Dayalbagh, Agra 282 110	09319211231 deivishalsahni@rediffmail. com
27	Dr. Sorav Bansal Assistant Professor CSE OS, Virtualization @ Cloud Computing IIT, Delhi	sbansal@cse.iitd.ac.in 9810719524

ACTION TAKEN NOTE ON THE

21ST MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY HELD ON 11TH AUGUST, 2011

Item No.	Action Taken
<p>Item No.1:</p> <p>Chairperson requested all the members to give their comments on the Minutes of the 20th PAB Meeting. No comments were received. Thereafter, the Minutes of the 20th Meeting of the Project Approval Board held on 2nd May, 2011 were confirmed.</p>	<p>Minutes confirmed</p>
<p>Item No.2</p> <p>The Action Taken Report on the Minutes of the 20th Meeting of the Project Approval Board held on 2nd May, 2011 was noted by the PAB.</p>	<p>Noted please.</p>
<p>Item No.3</p> <p>Approval of New Projects recommended by Standing Committee</p> <p>The following projects were discussed by PAB and decisions taken as mentioned against each:</p> <p>3.1.E-content generation for adult and non-formal education programme SUBMITTED BY :- R. Pandya, Faculty of family and community sciences, MS University, Baroda CONTROL NUMBER :- DE-21071011123</p> <p>PAB considered this proposal and opined that this project should be funded by the Adult Education Bureau of MHRD. PAB directed to check with that Bureau whether it is possible for that Bureau to fund this project. PAB further decided that this project will be funded through NMEICT if Adult Education Bureau is not in a position to fund this project. In that case, funds to the tune of Rs.14,08,800/- may be released from NMEICT.</p>	<p>Adult Education Bureau has indicated their inability to fund the project. File is put up to IFD.</p>
<p>3.2. Development of e-content for undergraduate students in science in the area of chemical process industries, Dr. Nirmal Kumar Kantibhai Patel, NV Patel College of Pure and Applied Sciences. DE-13091011333</p> <p>PAB approved the project. PAB also decided to release Rs.7.00 Lakhs to IIT, Madras, which is executing NPTEL project. PAB further directed that PI may be asked to join NPTEL.</p>	<p>Sanction letter issued.</p>

<p>3.3. Development of e-courses in B.com, M.com, MBA Prof. H. Venkateshwarlu Haripuram, Principal, University College of Commerce & Business Management, Osmania University, Hyderabad <i>Control no.: Pe-14120910459</i></p> <p>Deferred for the next Meeting.</p>	-
<p>3.4. e-content for all media courses PI: Dr. N.S. AshoK Kumar, Professor & Coordinator, Dept of Electronic Media Bangalore University, Palace Road, Bangalore</p> <p><i>Control number: De-03081011176</i></p> <p>Deferred for the next Meeting.</p>	-
<p>Item No.4</p> <p>Proposal for Production of Courseware E-Content for Postgraduate Subjects, UGC, New Delhi (Control Number: UE-30041111980)</p> <p>The proposal was discussed in detail by the PAB. JS & FA said that commitment from UGC may be obtained that it will execute the project and deliver the output in a specific time frame, e.g. by a specific month, with identifiable deliverables to be achieved. This was accepted by the PAB. Subject to this, after deliberations, PAB approved the proposal as recommended by the Standing Committee. PAB, therefore, approved Rs.84.00 crore, to UGC. PAB also decided that Chairman, UGC will be the Chairman of the Programme Implementation Committee. PAB further decided that due diligence by Standing Committee will continue.</p>	Funds released
<p>Item No.5</p> <p>Virtual Labs Project (Remote Triggered Labs)</p> <p>Prof. Ranjan Bose of IIT Delhi explained the details about the project. He informed that due diligence has already been done by the experts and the Standing Committee. He requested for separate amount for continuation of labs and extension of pilot project. PAB advised that these labs should be cost effective and only costly experiments can be made virtual and inexpensive experiments may not be covered. PAB suggested that these facilities can also be provided to the students who cannot afford these types of high-cost labs. It was also suggested that students and teachers should be motivated to use these virtual labs and a circular to all the universities/colleges/institutions by the statutory bodies like AICTE/UGC may be issued for making use of these labs. Chairperson stressed that the fundamental purpose of the Mission should be fulfilled. PAB considered the proposal as recommended by the Standing Committee and approved Rs.2268.23 Lakhs to IIT, Delhi. PAB also decided that Mission Director (NMEICT) may request AICTE/UGC to issue a circular to the universities/colleges/institutions, requesting them to encourage and motivate students to make use of such virtual labs and consider giving some weightage in academic process. Prof. S V Raghavan suggested inclusion of Doctoral Courses as well while writing to AICTE/UGC.</p>	Funds released

<p>Item No.6</p> <p>Extension of pilot project, namely, ‘text transcriptions of technical video index, metadata and online quizzes’ sanctioned to Indian Institute of Technology, Madras under National Mission on Education through Information and Communication Technology Scheme.</p> <p>PAB approved extension of pilot project, ‘text transcriptions of technical video index, metadata and online quizzes’ upto 31.3.2012 to Indian Institute of Technology, Madras. It was also suggested that text may be shown as tickers in the videos. Further PAB decided that the task of giving extension of time to projects sanctioned under NMEICT may be entrusted to the Standing Committee which may decide such matters on case-to-case basis.</p>	<p>Extension granted.</p>
<p>Item No.7</p> <p>Budget Estimates for 2011-12 for TSG/Mission Secretariat of NMEICT</p> <p>PAB approved budget estimate of Rs.435.63 lakhs for the Mission Secretariat for the year 2011-12.</p>	<p>Noted</p>
<p>Item No.8</p> <p>Requirement of Furniture for Mission Secretariat of NMEICT</p> <p>PAB approved an amount of Rs.10-12 lakhs for purchase of office furniture for Mission Secretariat within the overall budget. PAB also thanked the VC, IGNOU for providing office space to the Mission.</p>	<p>Noted</p>
<p>Item No.9</p> <p>Development of Vocational Educational Modules and use of Haptic Devices – Virtual Laboratories and VLSI and Embedded Systems, Mizoram University</p> <p>PAB deferred this item for the next meeting.</p>	<p>-</p>

<p>Item No.10</p> <p>Management Information System (MIS) of NMEICT</p> <p>A presentation was made by Prof. Uma Kanjilal of IGNOU highlighting various aspects of MIS being developed on the sakshat portal which include tracking of projects, regular monitoring and creation of other relevant database. PAB suggested that inclusion of aspects such as delivery of e-contents to learners may be made part of MIS with in-built feedback mechanism. It was decided that a detailed presentation in this regard may be made to PAB separately. Mission Secretariat will organize this.</p>	<p>Prof. Uma Kanjilal made the presentation before Secretary(HE). MIS Reports are being submitted.</p>
<p>Item No.11</p> <p>Strengthening of the Standing Committee of NMEICT</p> <p>The item was discussed in detail. PAB suggested that the Standing Committee while recommending any project must see that inputs from a minimum of 3 subject experts should be taken and there should be a minimum score of 4 on a scale of 5. It was decided by PAB that minimum of seven Standing Committee Members who attended a minimum of 30% of last 12 months' meetings should be present, deliberate, recommend and sign the minutes. However, attendance of members/experts through video-conferencing may also be counted. It was further decided that the existing method of evaluation of the project on the basis of the ten-point Appraisal be continued.</p>	<p>Noted</p>
<p>Item No.12</p> <p>Extension of pilot project, namely, "Establishing e-training environment for training technical teachers and students (creation of four courses)" sanctioned to National Institute of Technical Teachers Training and Research (NITTTR), Chennai.</p> <p>PAB decided that Standing Committee may decide extension up to 31.12.2011 to National Institute of Technical Teachers Training and Research (NITTTR), Chennai for executing the pilot project namely, "Establishing e-training environment for training technical teachers and students (creation of four courses)". PAB, therefore, decided to refer this matter to Standing Committee.</p>	<p>As decided by PAB, the same was put up to Standing Committee (SC) in its meeting held on 26th November, 2011. SC recommended the extension upto 31.12.2011.</p>

<p>Additional Agenda</p> <p>Item No.1</p> <p>Appointment of Consultants under NMEICT</p> <p>The item was discussed. After discussion, PAB noted the following:</p> <p>1. Mr.Pradeep Kaul who was recommended by Selection Committee for deputation and has retired on 30th April, 2011 can be offered contractual appointment on a remuneration of Rs.75,000/- p.m. subject to the remuneration and pension plus DA admissible on pension not exceeding his last pay drawn plus DA admissible on last pay drawn.</p> <p>(b) Similarly, as recommended by the Selection Committee contractual appointment may be offered to Prof.M.U. Deshpande on a remuneration of Rs.75,000/- p.m. subject to the remuneration and pension plus DA admissible on pension not exceeding his last pay drawn plus DA admissible on last pay drawn.</p>	<p>Offers have been issued by EdCIL. Shri Pradeep Kaul has joined as Sr. Consultant in the Mission.</p>
<p>Item No.2</p> <p>Approval of projects recommended by Standing Committee</p> <p>2.1 E-COURSE DEVELOPMENT, Project investigator: Dr N.BASKARAN, DEPARTMENT OF PHILOSOPHY, NATIONAL COLLEGE, TIRUCHIRAPALLI. Control Number: Ne04011010497</p> <p>Deferred for the next meeting.</p>	<p>-</p>
<p>2.2. Designing, developing and Delivery of subject Hospital Support Services e-content for students of Hospital and Health care Management by Dr. L. Kalyan Viswanath Reddy, Hemchandracharya North Gujarat University, Gujarat Control No: DE-15011111724</p> <p>Deferred for the next meeting.</p>	<p>-</p>
<p>2.3. e-Content Generation For Specialized Training Programs Of Bio-Medical and Electronics Product Design domain, PI: Chetan Manchanda, CDAC, Mohali Control Number:-CE-10011111669</p> <p>Deferred for the next meeting.</p>	<p>-</p>

<p>2.4. Development of E-content for academic courses and professionals in the areas of the IT enabled Management, Dr.Deepali Singh, De-0403100569, ABV-Indian Institute of Technology and Management, Gwalior</p> <p>Deferred for the next meeting.</p>	-
<p>2.5. e-Content Development for the course “Extension Education, Dr. Avani Maniar, Department of Extension and Communication, M.S University, Vadodara. Control No. _AE-11071011058</p> <p>Deferred for the next meeting.</p>	-
<p>2.6. PI: Vishal Sahni, Institute: DEI, Partners: IITD, IITK, Title: Quantum Nano Systems, CONTROL NUMBER: VS24220099870</p> <p>A presentation was made by Dr.Vishal Sahni with regard to his project before PAB. After discussion and taking into account the recommendations of the Standing Committee, PAB approved release of the next installment of 30% of Rs.5 crore, i.e., Rs.1.5 crore to Dayal Bagh Educational Institute, Agra for the main project. It was also suggested by PAB that wherever costly equipments are being purchased for any project, market survey and proper purchase procedure should be followed. It should also be seen that the same can be used by other PIs and become property of virtual labs so that there should not be any duplication.</p>	Bond received on 30.11.2011. File is being processed.
<p>2.7. e-Content Development, PI: Tilak R. KEM, CEC CONTROL NUMBER: DE-19111011541</p> <p>The proposal of CEC was discussed in the PAB. PAB approved the balance amount of Rs. 6.1 crores to CEC as recommended by the Standing Committee.</p>	IFD sought some clarification. Reply is awaited from CEC.
<p>2.8. Technology for Analysis of Rare Knowledge Systems for Harmonious Youth Advancement (TARKSHYA), PI: Dr. Ramanujan, CDAC, Bangalore CONTROL NUMBER: Pe-24090910307</p> <p>It was informed to PAB that this project was earlier presented in the PAB and PAB had initially approved the pilot component of Rs. 50 lakhs. The pilot project is now completed with favourable inputs from the referees.</p> <p>Dr. Ramanujan, Director, CDAC, Bangalore was requested to give details of the project and the same were given by him. PAB wanted to know as to how many students have been benefited from the programme. It was informed by Dr. Ramanujan that about 1000-2000 students are being benefitted. Keeping in view the cost:learner ratio, PAB advised Dr. Ramanujan to join hands with UGC who are going to develop all e-contents for PG level courses.</p>	Letter issued.

<p>2.9. S&T inputs from Sanskrit for modern times, PI: Dr. Ramanujan, Institute: CDAC, Bangalore CONTROL NUMBER: De-02031010560</p> <p>Dr. Ramanujan presented his pilot project proposal for Rs. 25 lakhs for a project that gives S&T inputs from Sanskrit for modern times. PAB wanted the presenter to explore whether this would cover content generation for any course being offered by any university and if so, then come back.</p>	<p>Noted</p>
<p>2.10. NPTEL, PI: Prof. M. S. Ananth, IIT Madras</p> <p>Prof.M.S.Ananth, Ex-Director, IIT Madras explained the details and the current status of NPTEL. It was suggested by PAB that a proper Action Plan may be prepared for more mileage to be derived from NPTEL. It was also suggested that AICTE be requested to issue a circular mentioning that the NPTEL material is available for the learners and students/learners should be encouraged to use it. After detailed discussions, PAB approved release of the remaining amount of Rs. 40 crore to IIT Madras for NPTEL Programme under NMEICT Scheme, as recommended by the Standing Committee.</p>	<p>IFD has approved Rs.5 crore. Undertaking from IITM received. Fund is being released.</p>
<p>2.11. Developing E-Content in Shastri (Hons.) & Acharya courses, PI: Prof. Ramesh Panda, BHUIT, Control Number: RE-28111011549</p> <p>The Pilot project proposal of Prof. Ramesh Panda for the development of 5 Sanskrit courses was discussed. PAB advised that this project may be taken up by CEC-UGC who are developing other UG courses and Prof. Ramesh Panda may be advised to work with CEC.</p>	<p>Noted</p>
<p>Item No.3</p> <p>Inclusion of private colleges under the N-LIST programme</p> <p>The item was discussed. After discussion, PAB approved that the N-list programme be allowed to enroll private colleges at par with Government colleges. It was suggested by PAB that a circular to other colleges who have not so far registered with N-LIST programme may be sent on monthly basis by INFLIBNET.</p>	<p>Noted</p>
<p>Item No.4</p> <p>Allocation of funds to States for NMEICT Awareness related issues</p> <p>The item was discussed. It was informed to PAB that during the last zone-wise meeting of Principal Secretaries/Secretaries of Higher Education & Technical Education of States/Union Territories held in MHRD, it was suggested that to propagate the objectives of NMEICT and create awareness among the different institutes/universities, States/Union Territories may be allocated some funds.</p> <p>After discussion, PAB approved funding of Rs.10 lakhs for bigger States and Rs.5 lakhs for smaller States & Union Territories respectively, for this purpose based on their requirement. The funds will be transferred through Mission Secretariat.</p>	<p>File processed. Sanction is being issued.</p>

<p>Item No.5</p> <p>Approval for extension of projects under NMEICT</p> <p>The item was discussed. After discussion PAB decided that extension of all projects may be decided by the Standing Committee based on the merits of each case. PAB, therefore, directed to refer the matter to Standing Committee.</p>	<p>Noted</p>
<p>Item No.6</p> <p>Presentation on Communication and Bulk Storage Servers</p> <p>It was informed that PAB in its 17th meeting held on 26th November, 2010 had constituted a Committee on "Communication and Bulk-Storage Servers at 100 premier institutions" under NMEICT Scheme.</p> <p>A presentation on the progress made in this regard was made by Mr. R S Mani, NIC, New Delhi and Dr.Huzoor Sharan of IIT Delhi. Prof. Raghavan also briefed the PAB about the progress made in this regard in various meetings of the Committee.</p> <p>The item was discussed in detail. It was indicated by the members of the Committee that an amount of Rs.20 crores for setting up a small Research & Development facility and approx. Rs.60 crores to NIC for setting up national data centres is required. PAB suggested that it may be seen if some other funding route for R&D facility may be explored. Director, IIT, Hyderabad suggested participation of private sector in this process, as far as possible. After detailed discussion, PAB decided that the Committee should come out with a clear cut, comprehensive and concrete recommendations as per Terms of Reference of the Committee set up for the purpose. While recommending the proposal, aspects such as data safety, storage, cyber security, etc. issues also need to be taken care of.</p>	<p>Letter written to Committee for expediting the Report.</p>
<p>Item No.7</p> <p>Presentation by BSNL</p> <p>A presentation was made by Mr.Anil Jain of BSNL on the progress made with regard to providing connectivity to universities and colleges under NMEICT.</p> <p>It was informed by Mr.Jain that 377 universities and 12188 colleges have been connected. It was also informed by him that there are about 6500 colleges in the country where even no computer is available. In the absence of any system, connectivity, if provided to colleges, cannot be tested. He has requested that PAB may consider providing LCADs, being developed/procured under NMEICT, to these colleges where computers are not available. PAB noted the status of Connectivity to Universities/Colleges.</p>	<p>-</p>

<p>Table Agenda</p> <p>Item No.1</p> <p>Approval for Sitting Fee to members of Evaluation Committee</p> <p>PAB was informed that recently an Evaluation Committee has been constituted by MHRD to rigorously conduct evaluation of the NMEICT Scheme. As per the present norms, a sitting fee of Rs.1,000/- is being paid to non-official members of PAB and Rs.2,000/- for subject experts evaluating the DPRs. The issue of sitting fee to members of the Evaluation Committee was discussed. The Chairperson suggested that the matter may be decided internally with Integrated Finance Division of MHRD and may be put up to PAB for information/ratification later.</p>	<p>IFD has approved Rs.2,000/-.</p>
<p><u>Other Issues :</u></p> <p>PAB took the following decisions:</p> <p>(i) Costly equipment purchased by the Institutions out of funds released under NMEICT may be used for Virtual Labs after completion of projects.</p> <p>(ii) While examining proposals, Standing Committee will also look into the procedure to be adopted for purchase of costly equipment by the institutions concerned and also make some comparison of cost of equipment with available equipments in some other places. This will be incorporated in Standing Committee's recommendation to PAB.</p> <p>(iii) Standing Committee will assess and make suggestions to PAB in the next meeting as to what is the material in the form of e-contents, which is ready and can be delivered to the learners.</p>	<p>Noted.</p> <p>NPTEL-14 courses are ready for uploading.</p> <p>CEC-UG course – History & Commerce are ready for uploading.</p>