

File No.NMEICT(MS)/Apex/2-PAB/16  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education

30<sup>th</sup> September, 2010

To

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

**Sub: Minutes of the Second Meeting of the National Apex Committee and 16<sup>th</sup> Meeting of Project Approval Board of National Mission on Education through Information and Communication Technology held on 1<sup>st</sup> September, 2010 at 10.30 a.m.**

Sir/Madam,

Enclosed please find Minutes of the Second Meeting of the National Apex Committee and 16<sup>th</sup> Meeting of the Project Approval Board (PAB) of National Mission on Education through Information and Communication Technology held on **1<sup>st</sup> September, 2010 at 10.30 a.m. at Committee Room-B, Vigyan Bhavan Annexe, New Delhi** under the Chairmanship of Hon'ble Minister of Human Resource Development for information and necessary action.

Yours faithfully,



(Dr. Harvinder Singh)  
Director (PAE) &  
Nodal Officer (NMEICT)  
Tel: 011-23382604

Copy to:

1. PS to HRM
2. PS to MOS (HRD)
3. PSO to Secretary (HE)
4. PS to AS
5. AS&FA
6. JS(DL)
7. US(DL)

**National Mission on Education through Information and Communication  
Technology (NMEICT)**

**List of National Apex Committee Members**

<b>Sl. No</b>	<b>Name, Designation and Address</b>
1	Sh. Kapil Sibal Minister for Human Resource Development Chairman, Department of Secondary and Higher Education Dr. Rajinder Prasad Road, Shastri Bhawan, New Delhi-110001
2	Mrs Vibha Puri Das Secretary Department of Secondary and Higher Education Dr. Rajinder Prasad Road, Shastri Bhawan, New Delhi-110001
3	Smt. Sushma Nath Secretary Ministry of Finance. Department of Expenditure, 128 C, North Block New Delhi- 110001
4	Shri Rentala Chandrasekhar, Secretary, Department of Information Technology, Ministry of Communication and Information Technology, CGO Complex, Lodhi Road, New Delhi
5	Shri P.J. Thomas Secretary, Department of Telecommunications, 20, Ashoka Road, Sanchar Bhawan, New Delhi-110001
6	Ms. Anshu Vaish The Secretary, Department of School Education and Literacy, Shastri Bhawan, Dr. Rajinder Prasad Road, Shastri Bhawan, New Delhi-110001
7	Ms. Sudha Pillai Secretary, Planning Commission, Yojana Bhawan, Sansad Marg, New Delhi-110001

8	Prof. Sukhadeo Thorat Chairman University Grants Commission 9, Bahadur Shah Zafar Marg, Delhi 110002
9	<b>Prof. Dr. S. S. Mantha,</b> Chairman, All India Council For Technical Education 7th Floor, Chanderlok Building Janpath, New Delhi-110 001
10	Prof. Mohammad Akhtar Siddiqui Chairman National Council for Teacher Education, Hans Bhawan, Wing II, 1, Bahadur Shah Zafar Marg, New Delhi - 110 002.
11	Prof. V.N. Rajasekharan Pillai Vice Chancellor Indira Gandhi National Open University, Maidan Garhi, <b>New Delhi -110068</b>  Chairman Distance Education Council (DEC) (Ex-Officio) Vice-Chancellor, IGNOU
12	Prof. V.N.Rajashekhar Pillai Vice-Chancellor, Indira Gandhi National Open University (IGNOU), Maidan Garhi, <b>New Delhi-110 067.</b>
13	Vineet Joshi, IAS Chairman, Secretary & Chief Vigilance Officer Central Board of Secondary Education, PS-1-2, Institutional Area, I.P.Extn. Patparganj, Delhi-110 092.
14	<b>Prof. Krishna Kumar</b> Director, National Council of Educational Research and Training (NCERT), Sri Aurobindo Marg New Delhi-110016
15	Prof. Surendra Prasad Director, Indian Institute of Technology, Hauz Khas, New Delhi - 110016

16	Prof. Devang Khakhar Director, Indian Institute of Technology, Powai, Mumbai – 400076 Maharashtra
17	Prof. S.C.Saxena Director, Indian Institute of Technology Roorkee Roorkee, Uttarakhand - 247667
18	Prof. Gautam Barua Director, Indian Institute of Technology Guwahati Guwahati 781039 Assam
19	Prof. Sanjay Govind Dhande Director, Indian Institute of Technology, Kanpur-208016 UP
20	Prof. Damodar Acharya Director, Indian Institute of Technology, IIT Kharagpur P.O. Kharagpur -721302
21	Prof. M.S.Ananth Director, Indian Institute of Technology Madras P.O. IIT-M Chennai -600036
22	Director, Indian Institute of Information Technology Allahabad Deoghat, Jhalwa Allahabad, 211012
23	Director Indian Institute of Information Technology, Design & Manufacturing, (IIITD&M) Kancheepuram Near GATE Office Indian Institute of Technology Madras Campus (IITM) Chennai 600 036
24	Prof. S. G Deshmukh, (Director) ABV-Indian Institute of Information Technology and Management Gwalior Morena Link Road, Gwalior Madhya Pradesh- 474010

25	Prof. Aparajita Ojha Director, Indian Institute of Information Technology, Design and Manufacturing Jabalpur Dumna Airport Road, P.O.: Khamaria, Jabalpur - 482 005, Madhya Pradesh
26	S. K. Barua Director, Indian Institute of Management Vastrapur Ahmedabad 380 015 Gujarat
27	Prof. Pankaj Chandra Director, Indian Institute of Management Bangalore Bannerghatta Road, Bangalore-560 076
28	Mr. Shekhar Chaudhuri Director, Indian Institute of Management, Calcutta Diamond Harbour Road Joka, Kolkata - 700104
29	Mr. Devi Singh Director, Indian Institute of Management Prabandh Nagar, Off Sitapur Road, Lucknow - 226 013 Uttar Pradesh
30	Dr. N Ravichandran Director Indian Institute of Management, Indore Prabandh Shikhar Pigdambar Rau Indore - 453 331 Madhya Pradesh-453331
31	Prof. Debashis Chatterjee Director, Indian Institute of Management Kozhikode IIMK Campus P. O., Kozhikode, Kerala- 673 570

32	Prof. Ashoke K. Dutta Director Rajiv Gandhi Indian Institute of Management Mayurbhanj Complex, Nongthymai, Shillong – 793 014
33	Prof. B. Balaram Director, Indian Institute of Science, Bangalore-560012 Karnataka
34	Prof. Deepak Pental Professor of Genetics and Vice Chancellor. University of Delhi, Delhi 110 007
35	Prof. B.B. Bhattacharya Vice Chancellor Jawaharlal Nehru University Nelson Mandela Road, New Mehrauli Road, New Delhi - 110067
36	Mr. Najeeb Jung Vice-Chancellor, Jamia Millia Islamia (A Central University) Maulana Mohammad Ali Johar Marg Jamia Nagar, New Delhi - 1100 25
37	Prof. K. P. Singh Director, IT-BHU Training & Placement Cell Institute of Technology Banaras Hindu University Varanasi - 221005
38	Prof. D.P. Singh Vice-Chancellor, Banaras Hindu University Varanasi -221 005 (U.P)
39	Prof. P. K. Abdul Azis Vice Chancellor Aligarh Muslim University, Aligarh 202 002

40	Prof. Rajat Kanta Ray Vice Chancellor VISVA-BHARATI PO : Santiniketan Dist. : Birbhum, West Bengal, India Pin 731235
41	Dr. Seyyed E Hasnain Vice-Chancellor, University of Hyderabad P.O. Central University Hyderabad - 500 046, Andhra Pradesh
42	Prof. J.A.K. Tareen Vice-Chancellor, Pondicherry University, R.V.Nagar, Kalapet, Pondicherry-605014
43	Prof. Mrinal Miri, Vice-Chancellor, North Eastern Hill University P.O. NEHU Campus Mawkynroh Umshing, Shillong - 793 022 Meghalaya
44	Prof. Tapodhir Bhattacharjee Vice-Chancellor, Assam University Silchar - 788 011, Assam
45	Prof. Mihir Kanti Chaudhuri Vice Chancellor Tezpur University, Napaam, Sonitpur, Assam-784 028
46	Prof. K. Kannan Vice-Chancellor Nagaland University (Opp. Congress Bhavan) Old Sectt. Complex P.O. Kohima, Nagaland PIN - 797001

47	Prof. A. N. Rai Vice-Chancellor Mizoram University, Post Box No. 190, Aizawl – 796009 (MIZORAM)
48	Professor Chabungbam Amuba Singh Vice-Chancellor Manipur University, Canchipur, Imphal – 795003 (MANIPUR)
49	Prof. B. Hanumiah Vice Chancellor, Babasaheb Bhimrao Ambedkar University (A Central University) Vidya Vihar Rae Bareli Road Lucknow - 226 025 Uttar Pradesh
50	Prof. Mohammad Miyan Vice Chancellor, Maulana Azad National Urdu University 8-2-523/67-68, Brindavan Colony Tulichowki, Hyderabad-500032, Andhra Pradesh
51	Shri Vibhuti Narain Rai Vice Chancellor, Mahtama Gandhi Antarrashtriya Hindi Vishwavidyalaya Post Box No.16, Panchtila, Wardha, Maharashtra
52	Prof. Prof. Rajendra Govind Harshe Vice Chancellor, University of Allahabad Senate Hall Allahabad - 211002 Uttar Pradesh
53	Vice-Chancellor Rajiv Gandhi University Rono Hills, Itanagar Arunachal Pradesh India - 791 112
54	Professor Mahendra P. Lama Vice Chancellor, Sikkim University, 6th mile, Samdur, P. O. : Tadong-737102 Gangtok, Sikkim



55	Prof. Arunoday Saha Vice Chancellor, Tripura University, Suryamaninagar, West Tripura-799130S
56	Prof. Mohammad Miyan Vice Chancellor, English & Foreign Languages University Hyderabad -500007 Andhra Pradesh
57	Prof. C.D. Singh Vice Chancellor Indira Gandhi National Tribal University, Amarkantak, Kapil Dhara Road , Mekal Sadan Amarkantak, Dist-Anuppur(M.P.) Pin- 484886,
58	Prof. Pradip Narayan Ghosh Vice Chancellor, Jadavpur University 188 Raja S. C. Mullick Road, Jadavpur, Kol-32
59	Dr.R. Chidambaram Principal Scientific Advisor to Gol 318, Vigyan Bhawan Annexe Maulana Azad Road New Delhi-110011
60	Prof. U.B.Desai, Director, IIT, Hyderabad Indian Institute of Technology Ordnance Factory Estate Yeddumailaram 502205 Hyderabad Andhra Pradesh, INDIA
61	Prof. M.K.Surappa Director, Indian Institute of Technology Ropar, Nangal Road, Rupnagar, Punjab-140001
62	Director, IIT Gandhinagar, Vishwakarma Government Engineering College Complex, Chandkheda, Visat-Gandhinagar Highway, Ahmedabad, Gujarat-382424

63	<p>Prof. Prem K. Katra  Director , IIT Rajasthan  Camp off. MBM engineering college.  Residency Road,  Jodhpur 342011</p>
64	<p>Prof. Madhusudan Chakraborty  Director,  Indian Institute of Technology  Bhubaneswar-751 013</p>
65	<p>Prof. Anil K. Bhowmick  Director,  Indian Institute of Technology Patna  Navin Government Polytechnic Campus  Patliputra Colony  Patna 800 013</p>

**Project Approval Board of National Mission on Education through Information and  
Communication Technology (NMEICT)**

**List of Members**

<b>S.No.</b>	<b>Name, Designation and Address</b>
1.	Secretary, Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan, New Delhi <span style="float: right;"><b>Chairperson</b></span>
2.	Additional Secretary & Financial Adviser, Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan, New Delhi
3.	Secretary, Planning Commission, Yojana Bhawan, New Delhi-110001
4.	Secretary, Department of Telecommunications, Sanchar Bhawan, New Delhi-110001
5.	Secretary, Department of Information Technology, Ministry of Communication and Information Technology, CGO Complex, Lodhi Road, New Delhi-110001
6.	Secretary, Department of Space, Lok Nayak Bhawan New Delhi-110001
7.	Dr. A.Mukhopadhyay Adviser/Scientist 'G', SERC Division, M/o Science & Technology, D/o Science & Technology, Technology Bhawan, New Delhi-110016
8.	Director, Indian Institute of Technology, Powai, Mumbai - 400076
9.	Director, Indian Institute of Technology, Roorkee-247667 Uttarakhand
10.	Director, Indian Institute of Technology, North Guwahati Guwahati-781039 Assam

S.No.	Name, Designation and Address
11.	Director, Indian Institute of Technology, P.O. Kharagpur -721302
12.	Director, Indian Institute of Technology, P.O. IIT Chennai Chennai -600036
13.	Director, Indian Institute of Technology, Kanpur-208016 UP
14.	Director, Indian Institute of Science, Bangalore-560012 Karnataka
15.	Director, Indian Institute of Science, Hauz Khas New Delhi-110016
16.	Prof. V.N.Rajashekhar Pillai Vice-Chancellor, Indira Gandhi National Open University (IGNOU), Maidan Garhi, New Delhi
17.	Prof. Pramod Tandon Vice-Chancellor, North Eastern Hill University (NEHU), Shillong
18.	Prof. H.P.Kincha Vice-Chancellor, Visvesvarya Technological University, Belgaum- 590018
19.	Mr. R.P.Agrawal Former Secretary C 1/17, Bapa Nagar New Delhi
20.	Prof. U.B.Desai IIT Hyderabad Ordnance Factory Estate, Yeddumailaram- 502205 Hyderabad Andhra Pradesh
21.	Prof. M.K.Surappa IIT Ropar Nangal Road, Rupnagar (Ropar) Punjab 140001
22.	Prof. Sudhir K. Jain IIT Gandhinagar Room: 112A Western Laboratory Extension Chandkheda, Gandhinagar -382424 Gujarat

S.No.	Name, Designation and Address
23.	Prof.Prem K. Kalra Director , IIT Rajasthan Camp off: MBM engineering college. Residency Road, Jodhpur 342011
24.	Prof. Madhusudan Chakraborty Director, IIT Bhubaneswar Office of the Director Indian Institute of Technology Bhubaneswar Samantapuri (Rearside of Hotel Swosti Plaza) Nandan Kanan Road Bhubaneswar-751 013
25.	Prof. Anil.K.Bhowmik Indian Institute of Technology Patna Navin Government Polytechnic Campus Patliputra Colony Patna 800 013
26.	Shri Pramod Bhasin Chairman, National Association of Software and Services Companies (NASSCOM), International Youth Centre Teen Murti Marg Chanakyapuri New Delhi 110 021
27.	Dr. Ajay Khare Director School of Planning & Architecture, Transit Campus: Sports Complex, MANIT, Bhopal-462051
28.	Prof. S.G.Deshmukh Director IIIT Gwalior Morena Link Road, Gwalior 474 010
29.	Dr. M.D.Tiwari Director IIIT Allahabad Deoghat, Jhalwa Allahabad

**Copy also to:**

1.	Dr. S.V. Raghavan Scientific Secretary to Principal Scientific Adviser to Govt. of India Vigyan Bhawan New Delhi
2.	Dr. B. K. Gairola Director General National Informatics Centre, Department of Information Technology Ministry of Communications and Information Technology A-Block, CGO Complex, Lodhi Road New Delhi
3.	Shri. N. Ravishankar Joint Secretary Dept of Information Technology Electronics Niketan 6, C.G.O Complex Lodhi Road, New Delhi
4.	Prof. A.K.Bakhshi Director Institute of Lifelong Learning (ILL) Academic Research Centre University of Delhi, Delhi-110007
5.	Shri Anil Kumar Jain Sr. General Manager (Network Planning-BB) BSNL, Room No.212, Bharat Sanchar Bhawan New Delhi
6.	Dr. B. K. Murthy Head NKN Division Dept of IT Ministry of Communications & IT Electronics Niketan 6, C.G.O Complex Lodhi Road New Delhi

**MINUTES OF THE SECOND MEETING OF THE NATIONAL APEX COMMITTEE AND 16<sup>TH</sup> MEETING OF PROJECT APPROVAL BOARD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY HELD ON 1<sup>ST</sup> SEPTEMBER, 2010 AT 10.30 AM IN COMMITTEE ROOM-B, VIGYAN BHAWAN ANNEXE, NEW DELHI**

The second meeting of the National Apex Committee and 16<sup>th</sup> meeting of Project Approval Board of National Mission on Education through Information and Communication Technology was held on 1<sup>st</sup> September, 2010 at 10.30 AM in Committee Room-B, Vigyan Bhawan Annexe, New Delhi under the chairmanship of Hon'ble Minister of Human Resource Development.

2. List of participants is at **Annexure**.

3. Joint Secretary (Distance Learning), MHRD welcomed Hon'ble Minister of Human Resource Development and Hon'ble Minister of State (HRD). Chairman then requested Joint Secretary (Distance Learning), Department of Higher Education to explain the Agenda items one by one. Accordingly, Joint Secretary (Distance Learning) explained the same and Agenda items were taken up and decisions, as given below, were taken:

i. Item No.1 Confirmation of the Minutes of the 1<sup>st</sup> Meeting of the Apex Committee held on 11<sup>th</sup> September, 2009.

The Minutes of the first Meeting of Apex Committee held on 11<sup>th</sup> September, 2009 were confirmed.

ii. Item No.2 Action Taken Report on the Minutes of the 1<sup>st</sup> Meeting of the Apex Committee held on 11<sup>th</sup> September, 2009.

The Action Taken Report on the Minutes of the first Meeting of Apex Committee held on 11<sup>th</sup> September, 2009 was noted.

iii. Item No.3 Confirmation of the Minutes of the 15<sup>th</sup> Meeting of the Project Approval Board held on 24<sup>th</sup> May, 2010.

The Minutes of the 15<sup>th</sup> Meeting of Project Approval Board held on 24<sup>th</sup> May, 2010 were confirmed.

iv. Item No.4 Action Taken Report on the Minutes of the 15<sup>th</sup> Meeting of the Project Approval Board held on 24<sup>th</sup> May, 2010.

The Action Taken Report on the Minutes of the 15<sup>th</sup> Meeting of the Project Approval Board held on 24<sup>th</sup> May, 2010 was noted.

v. Item No.5 Connectivity to colleges and universities.

Shri N.K. Sinha, Joint Secretary (Distance Learning) summarized this Agenda item and said that when NMEICT was sanctioned, it had three major components, namely, Connectivity, Content Generation and Access Device. For NMEICT network BSNL-MTNL combine was entrusted the job of connecting Universities and Colleges (on copper wire). For National Knowledge Network (NKN), 3 public sector undertakings, namely, BSNL, RailTel and Power Grid are the agencies to execute the work. NMEICT was

approved in January, 2009 whereas NKN was approved in March, 2010. NKN has a timeframe of 2 years. MHRD had gone ahead and so far Rs. 472.00 crores has been released to BSNL for providing connectivity to both Universities and Colleges. The Universities are to be connected to NKN PoPs. BSNL has covered much ground in this regard and the work is going on. NKN was approved for providing connectivity to 400+ universities. In the meantime, a new dimension has come into being and the number of universities, which is around 504 as of now, is growing further and it is expected after two years, this number could be around 800. For connecting 800 universities, neither NMEICT nor NKN has the money. As of now, money for connecting 419 Universities is available with both the networks. Secretary, DOT also expressed the view that 419 Universities be connected as early as possible, preferably, by 30.9.2010 or after taking one more month. Thereafter, Joint Secretary (Distance Learning), MHRD added that since NKN has a timeframe of two years, MHRD will need this lead time to prepare Professors and students to start using the network/resources that are created and MHRD cannot wait for two years. Chairman, then, sought the views of representatives of Department of Information Technology. Chairman categorically said that there should not be any duplication of work.

In response, Joint Secretary, Department of Information Technology (DIT) said that National Knowledge Network is approved by Cabinet Committee on Infrastructure (CCI) for connecting 419 Universities and further connectivity thereof. DIT is required to furnish utilization certificate for the same. He also said that the proposal that is being made under this Agenda item is that as soon as reimbursement is made by NKN, connectivity will be provided to the colleges. He further said that the term 'reimbursement' appears to be out of place. He requested that DIT should be given list of 419 Universities by MHRD. At this point, Joint Secretary (DL), MHRD and Chairman said MHRD will keep giving the list of Universities beyond 419 Universities for which work is already entrusted to BSNL. Regarding technical aspects, Dr. B.K. Gairola, DG, NIC, DIT said that conceptually the two networks i.e. NMEICT and NKN are totally different. Design of NMEICT was broadband based system and the idea was to provide broadband connectivity to every individual PC. Later on, there has been change over to gigabit connectivity. Briefly mentioning about NKN network, he said that it is a low latency, high bandwidth network and is connected to a set of global networks. It is also connecting all knowledge institutions. NIC is using only fibre from telephone companies. It is important to have end-to-end service quality assurance which cannot be achieved as DIT has been saying. Cabinet Committee on Infrastructure (CCI) has approved NKN to support universities and money so saved could be used for redesigning the college network.

He also referred to the meeting taken by Secretary, Expenditure on overlap/duplication of work between NMEICT and NKN and only after that CCI approved establishment of NKN.

Chairman then asked DIT/NKN whether they can take control of providing connectivity to Universities and Colleges, both on optical fibre, using the money already given by MHRD to BSNL. DG, NIC responded to say that college connectivity is not mandated to NKN network. It was then decided that DIT may move Cabinet to include college connectivity on optical fibre in NKN network, including providing LAN to Universities and Colleges. The connectivity to Universities should be completed by December, 2010.



Shri Anil Jain, Sr. GM, BSNL sought direction as to whether they could continue providing copper wire connectivity to colleges. It was clarified that BSNL will continue to do so. However, BSNL will seek guidance from NKN with regard to technical aspects. For technical issues/specifications, the Technical Advisory Committee of NKN which is headed by Dr. S.V. Raghavan, Scientific Secretary to Principal Scientific Adviser to Govt. of India, will be broad based to include BSNL and other stakeholders concerned.

Shri Anil Jain, Sr. GM, BSNL also apprised the National Apex Committee of NMEICT of the progress achieved so far under the NMEICT network in respect of Universities and Colleges. Chairman categorically stated that whatever investment under NMEICT has been made in this regard will be protected and whatever has been done cannot be undone. Dr. B.K. Gairola, DG, NIC also endorsed this. DIT will also take care of Service Level Agreement (SLA) in respect of connectivity to universities.

Chairman, National Apex Committee of NMEICT and Joint Secretary (Distance Learning), MHRD also said that if more money is needed from MHRD, that will be released in this regard.

Chairman, National Apex Committee also suggested to explore the possibility of empowering the young school going children with innovative use of ICT also. Joint Secretary (DL) mentioned that Department of School Education & Literacy has a separate ICT scheme for the school sector.

vi. Item No.6 Connectivity to Government Polytechnics.

After detailed discussions, National Apex Committee of NMEICT decided that all Polytechnics be provided copper wire connectivity at par with colleges. In so far as Optical Fibre Cable connectivity to colleges is concerned, DIT will take over after getting approval of the Cabinet.

vii. Item No.7 Approval for Setting up a Committee on DTH

Suggestions were sought from Department of Space and other members present so that a comprehensive Committee could be formed. Representative of Department of Space shared the views of MHRD and said that he would send in some names for inclusion in the Committee on DTH. After detailed discussions, National Apex Committee of NMEICT decided that Prof. S.V. Raghavan, Scientific Secretary to Principal Scientific Advisor, Govt. of India will coordinate this matter, suggest methodology of work and Terms of Reference of the proposed Committee, keeping in view the objectives of NMEICT scheme. It was also decided that private players in this field may also be co-opted to assist the system. This Committee will take care of infrastructure and content aspects both. Apart from this, it was also decided that a Specialist in Indian Languages may also be included in the said Committee. Prof. Raghavan will submit his response to MHRD at the earliest.

viii. Item No.8 Awareness Building and Publicity Strategy Formulation

The Proposal was approved.

ix. Item No.9 Approval of extension of pilot projects upto 31<sup>st</sup> March, 2011

The Proposal was approved.

x. Item No.10 Approval of 15 projects recommended by Standing Committee.

The following proposals were approved:

**1. e- CONTENT DEVELOPMENT**

Control No.: 23011010521

Name of the Institute(s): CSK HP Krishi Vishvavidyalaya, Palampur, HP

Name of PI(s): Dr. SP SHARMA

Amount approved: Rs. 7 lakh for one course as pilot.

**2. E-Books on Introduction to High Energy Physics, Introduction to Astroparticle Physics and Instrumentation methods in Astroparticle Physics.**

Control No. se-16120910469

Name of the Institute(s): Dayalbagh Educational Institute, Agra

Name of PI(s): Dr. Sonali Bhatnagar

Amount approved: Rs. 14 lakhs for two courses as pilot.

**3. Library Automation and Resource Sharing Network**

Control No. Ue-05031010571

Name of the Institute(s): Indira Gandhi National Open University, New Delhi

Name of PI(s):

1. Prof. Uma Kanjilal, School of Social Sciences, IGNOU, New Delhi
2. Prof. K. S. Raghavan, Professor, DRTC, Indian Statistical Institute, 8th Mile, Mysore Road, Bangalore 560 059
3. Dr. Parthasarathi Mukhopadhyay, Assistant Professor, Department of Library and Information Science, University of Burdwan, West Bengal.

Amount approved: Rs.1,82,00,000/- for the project.

**4. Development of e-content for professional skill development in teacher-training**

Control No.: Je-05031010572

**Name of the Institute(s):** Department of Educational Technology, SNDT Women's University, Mumbai

**Name of PI(s):** Dr. Jayashree Shinde

Amount approved: Rs.93 lakhs for 360 hours e-content for 3 subjects. A proportionate amount of Rs. 10.33 lakhs is recommended to be released for completion of 40 hours and remaining should be released to the PI after evaluation by the constituted committee.

**5. Development of E-Content in the Areas of**

- 1. Insurance & Risk Management**
- 2. MBA (Agri-Business)**

Control No.: Se – 13021010543

Name of the Institute: Faculty of Management Studies, Banaras Hindu University

Name of PI: Prof. S.K. Singh

Amount Approved: Rs. 14 lakhs for two courses as pilot in Phase-I. For Phase II, Rs.70 lakhs for each slot of 10 courses after successful completion of Phase-I. The fund for Phase-II should be released after evaluation of content developed in Phase I.

**6. Development of e-Content in Physical Education for Undergraduate & Postgraduate Courses**

- (i) Anatomy and physiology**
- (ii) Kinesiology of body movements.**

Control No. Se-12011010504

Principal Investigator: Syed Tariq Murtaza (Ph.D.), Department of Physical Health and Sports Education, Faculty of Social Sciences, Aligarh Muslim University, Aligarh-202002.

Amount approved: Rs.7 lakhs x 2 courses = Rs.14 lakhs as pilot.

**7. Development of E-content for Slope Engineering**

Control No.: Re-10031010581

Name of the Institute(s): Institute of Technology, Banaras Hindu University

Name of PI(s): Dr .Rajesh Rai and Dr. GSPSingh

Amount approved: Rs.7 lakhs for one course as pilot project.

**8. Sakshat One Stop Education Portal**

Control No.: Ue-22031010754

Name of the Institute(s): **Indira Gandhi National Open University (IGNOU), New Delhi**

Name of PI(s): **Prof. Uma Kanjilal**

Amount approved: Rs.93,93,000/- till 31<sup>st</sup> March, 2012. However, Sakshat being official website of NMEICT, the above may be implemented by the Mission Secretariat.

**9. Introduction to Programming and its Mathematical Foundations**

Control No.: Je-16031010655

Name of the Institute(s):

Keshav Memorial Institute of Technology, Hyderabad (KMIT), and  
Department of Computer Science, University of Mumbai (UDCS)

Name of PI(s):

1. Dr Jayant Kirtane (KMIT)
2. Dr Ambuja Salgaonkar (UDCS)

Amount approved: Rs.7 lakhs for pilot project.

**10. Creation of content for ISTQB (International Software Testing Qualifications Board) foundation certification (as proposed by PI) and Content creation for foundation course for Software Testing Qualification (as recommended by Standing Committee).**

Name of the Institute(s):

Keshav Memorial Institute of Technology, Hyderabad, A.P

**Chief Investigator:** Mr. Neil Gogte, Director,

Amount approved: Rs.7 lakhs for one course as pilot project.

**11. Software Defined Radio (SDR)- Architecture, Systems for 3G**

Control No.: SE-10051010858

Name of the Institute: Keshav Memorial Institute of Technology, Hyderabad

Name of PI(s): Prof. S.P. Venu Madhava Rao

Amount approved: Rs.7 lakhs for one course as pilot.

**12. e-Content Generation and e-skill test in Specialized Areas of Information Technology**

Control No. : Ve-25110910429

Name of the Institute(s) : Centre For Development of Advanced Computing , CDAC, Noida

Name of PI(s) : V.K.Sharma, Sr.Project Manager, CDAC, Noida

Amount approved: Rs.7 lakhs per course for 26 courses i.e. Rs.182.00 lakhs for the project.

**13. GNUKhata**

Control No. KE-29041010840

Name of the Institute(s): Master Dinanath Mangeshkar College of Arts and commers.

Name of PI(s): Manik Shingare, Krishnakant Mane

Amount approved: Rs.23.00 lakhs for the project.

**14. DEVELOPING E-CONTENT FOR LAW SUBJECTS**

**Name of the Institute(s):**

NALSAR UNIVERSITY OF LAW, Hyderabad, NATIONAL ACADEMY OF LEGAL STUDIES AND RESEARCH UNIVERSITY, Justice City, Shameerpet, R.R.District, Hyderabad-500078, A.P., (India)

**Name of PI(s):** Prof. M. Sridhar Acharyulu, Faculty, NALSAR, Hyderabad  
Prof (Dr) B.V. Somasekhar  
Prof. G.S.Srivatsa

Amount approved: Rs.7 Lakhs for one course as pilot.

**15. E-course Development in Economics**

Control Number: Te-08061010897

Name of the Institute(s) : ANNAMALAI UNIVERSITY, TAMILNADU

Name of Principal Investigator : Dr. T. SUDHA

Co- Investigators: Dr. N. MALATHI and Dr. T. S. KALYANI

Amount approved: Rs.7 lakhs for one course as pilot.

- xi. Item No.11 (Table Agenda No.1) Proposal for testing of Low Cost Access-cum-computing devices.

In pursuance of unveiling of \$ 35 device by Hon'ble HRM on 22<sup>nd</sup> July, 2010, Dr. Prem Kumar Kalra, Director, Indian Institute of Technology, Rajasthan made a presentation on proposals for: (i) Testing of Low Cost Access-cum-

Computing Devices and (ii) Hardware and Software Optimization of Low Cost Access Devices. Dr. Prem Kumar Kalra explained various aspects of these proposals and said that the revised financial proposal is to the tune of Rs. 41.50 crores. After detailed deliberations, National Apex Committee and Project Approval Board of NMEICT approved procurement of one lakh pieces of Low Cost Access-cum-Computing Device and their field trials and extensive testing. For this purpose, Rs. 41.50 crores was approved by National Apex Committee and Project Approval Board for the project to Indian Institute of Technology, Rajasthan.

xii. Item No.12 Presentations

- Shri Pradeep Kaul, Joint Director, CEC, UGC made a brief presentation on the e-contents developed on History subject under the pilot project sanctioned to CEC, UGC under NMEICT scheme.
- Prof. A.K. Bakhshi from University of Delhi made a brief presentation on the e-contents developed under a pilot project sanctioned to University of Delhi under NMEICT scheme.
- Representative of Amrita Vishwavidyalaya made a brief presentation on 'Haptic Device' project sanctioned under NMEICT.
- Representative of Dayalbagh Educational Institute, Agra made a brief presentation on 'Motor Mechanic Course'.
- Shri Anil Jain, Sr. GM, BSNL made a brief presentation (as also included under Item No.5) on Connectivity matters under NMEICT.

xiii. Item No.13 Table Agenda 2

Table Agenda was duly circulated and no objections were made.

- xiv. Prof.Sridhar Iyer from IIT Bombay had presented the progress of the Open Source Software Initiatives at IIT Bombay before the Standing Committee in its meeting held on 20<sup>th</sup> Feb, 2010 where he was asked to submit the DPR. Prof. Iyer made the presentation and explained various aspects of the project – OSCAR++ - Open Source Courseware Animations Repository. Thereafter, National Apex Committee and Project Approval Board approved Rs. 3.00 crores for this project to IIT, Bombay.
- xv. During the discussion on Action Taken Note on the 15<sup>th</sup> meeting of PAB held on 24<sup>th</sup> May, 2010, Secretary, DOT offered necessary assistance for the project on Village Community Network. Thereafter, Dr. Soami Daya from Dayalbagh Educational Institute, Agra made a brief presentation on the proposal pertaining to The Village Community Network: Technology Development and Pilot Roll Out Plan for Low Cost Opportunistic Communication Networks for Rural Areas of India which submitted to NMEICT. Thereafter, National Apex Committee and Project Approval Board approved Rs.6.00 crores for this project to Dayalbagh Educational Institute, Agra.

- xvi. Representative of Amrita Vishwa Vidyapeetham made a brief presentation on the project pertaining to "***u-share : Multi-user Real time Shared Access platform for Remote Experimentation***" submitted to the NMEICT. Director, IIT Delhi was also present. Thereafter, National Apex Committee and Project Approval Board approved Rs.25.00 lakhs for this project Amrita Vishwa Vidyapeetham.

4. Other observations/suggestions

- Joint Secretary (Distance Learning), MHRD requested Vice Chancellors of the Central Universities present to pool together all Experts of the country to make NMEICT a big success. Inputs from VCs of Central Universities are crucial for improving the quality of education. They were, therefore, requested to actively participate in the Mission.
- Shri R.P. Agarwal expressed his apprehension that e-contents developed under NPTEL project were not reaching out to a large population of learners. Prof. Mangala Sunder Krishnan from IIT, Madras explained the response received by NPTEL courses on You-Tube website and said that the contents under NPTEL are being used by a large number of learners.

5. **The meeting ended with a vote of thanks to the Chair.**

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