File No.NMEICT (MS)/PAB/15
Government of India
Ministry of HRD
Department of Higher Education
National Mission on Education through Information & Communication Technology (NMEICT) New Delhi
(Mission Secretariat)
****

21st May, 2010

To

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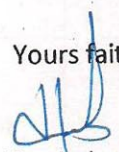Technology (As per list enclosed)

Sub: 15th 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 24th
May, 2010 at 4.00 p.m. in Conference Room No.112-C Wing, Shastri Bhawan, New Delhi

Sir/Madam,

        The 15th Meeting of the Empowered Committee of Experts (Project Approval Board) of National
Mission on Education through Information and Communication Technology (NMEICT) is scheduled to be
held on 24th May, 2010 at 4.00 p.m. under the Chairpersonship of Secretary, Department of Higher
Education, Ministry of Human Resource Development in Conference Room No.112-C Wing, Shastri
Bhavan, New Delhi.

2.   The Agenda papers are attached herewith.

3.   Kindly make it convenient to attend the meeting.

Yours faithfully,

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

Copy to:

PSO to Secretary (HE), PS to AS&FA and Joint Secretary(DL) – for information.

AGENDA FOR 15th MEETING OF THE PROJECT APPROVAL BAORD OF NATIONAL MISSION ON EDUCATION THROUGH INFORMATION AND COMMUNICATION TECHNOLOGY TO BE HELD ON 24.5.2010 AT 4.00 P.M. IN CONFERENCE ROOM NO.112-C, SHASTRI BHAWAN, NEW DELHI

Item No.	Subject
Item No.1	To confirm the Minutes of the 14th meeting of the Project Approval Board held on 22nd March, 2010 sent vide letter No. NMEICT (MS)/PAB/14 dated 10th May, 2010.
Item No.2	Action Taken Report on the Minutes of the 14th Meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology held on 22nd March, 2010.
Item No.3	Expenditure on holding workshops by NITs for connectivity
Item No.4	Budget Estimates for 2010-11 for TSG/Mission Secretariat of NMEICT
Item No. 5	Approval for including the team for maintenance of sakshat portal in the Mission Secretariat
Item No. 6	Payment of sitting fee to the non-officials invited in the Project Approval Board of National Mission on Education through Information and Communication Technology (NMEICT)
Item No. 7	Proposal for approval of projects
Item No. 8	Presentation by BSNL on the progress of connectivity to colleges and universities
Item No. 9	Accommodation for the Mission Secretariat

Agenda Item No.1

The Minutes of the 14th meeting of the Project Approval Board held on 22nd March, 2010 sent vide letter No. NMEICT (MS)/PAB/13 dated 10th May 2010, are placed below (**Appendix-I**) for kind perusal and confirmation please.

Agenda Item No.2

The Action Taken Report on the Minutes of the 14th Meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology held on 22nd March, 2010 is given at **Appendix-II.**

Item No.3

Expenditure on holding workshops by NITs for connectivity

For providing broadband connectivity to all the universities/institutions/colleges throughout the country, BSNL-MTNL combine has been engaged. Further, MHRD has constituted an Implementation-cum-Monitoring Committee on connectivity matters under the Mission vide orders dated 29.6.2009 and 25.11.09

The Implementation-cum-Monitoring Committee's role is to ensure proper implementation and roll out of the NMEICT through BSNL-MTNL combine at national level and to monitor the progress in expanding the connectivity throughout the country. The committee was broad-based by including the Principal Secretaries/Secretaries of Higher & Technical Education of all the States/UTs, Directors or their representatives of the respective IITs & NITs in different states and representatives of colleges and universities.

As per the above, Sub-Committees in different States are being formed by the State Governments. The Directors of NITs of all the States have been taken as convener of the Sub-committee. They will also provide administrative support. The expenditure incurred on meetings of the sub-committees will be reimbursed by the Mission Secretariat of NMEICT to the convener. The following norms may be fixed:

Per head maximum expenditure for a day-long workshop.

Tea/Coffee (2 times)   Rs. 20/-

Lunch   Rs. 100/-

PAB may please consider the above proposal for approval.

Item No.4

Budget Estimates for 2010-11 for TSG/Mission Secretariat of NMEICT

The Department of Higher Education, Ministry of HRD had signed a Service Agreement with EdCIL (India) Limited for establishing a Mission Secretariat for the National Mission on Education through Information & Communication Technology (NMEICT). The Mission Secretariat consists of a Technical Support Group(TSG), Consultants and the Support Staff dedicated to the Scheme to provide support to the Department of Higher Education, MHRD for smooth execution of the project . As per the Service Agreement, EdCIL has set up a TSG, part of the Mission Secretariat which has a camp office at Curzon Road Barracks K.G. Marg for providing day-to-day support to the Nodal Officer and the Mission Director of the project.

Besides being providing support in organizing various meetings like Standing Committee, Implementation-cum-monitoring Committee, Project Approval Board, etc. the TSG is also providing on the spot payment facility for Travelling Allowance and Honorarium being paid to the members and the participants of various Committees. EdCIL had provided a budget (recurring and non-recurring) of Rs.233.62 lakhs for the year 2009-10 against which an amount of Rs.140.00 lakhs was released to EdCIL during the year. An amount of Rs.85 lakhs (approx.) has been spent on the project during the year 2009-10 and balance amount of Rs55 lakhs may be adjusted during the current year.

The total budget for the NMEICT project for the year 2010-11 has been kept at Rs.860 crores. The Budget Estimates for the Mission Secretariat of NMEICT has been provided for a total amount of Rs.556.43 lakhs including Non-recurring Expenditure of Rs.78.11 lakhs and Recurring Expenditure of Rs.451.82 lakhs as per the details enclosed at **Appendix-III & IV**.

The budget proposed for the year 2010-11 for the Mission Secretariat is well within the overall ceiling of 1% of the total outlay fixed for the project.

PAB is requested to consider and approve budget of Rs. 556.43 lakhs for the Mission Secretariat for the year 2010-11 and release of 1st instalment of Rs.278.21 lakhs (being 50% of the total budget) after adjusting the unspent amount available with EdCIL.

Item No.5

Approval for maintenance of sakshat portal and payment of salary and other services through EdCIL

The Department of Higher Education, Ministry of HRD had signed a Service Agreement with EdCIL (India) Limited for establishing a Technical Support Group (TSG) for the National Mission on Education through Information & Communication Technology (NMEICT). The Mission Secretariat consists of the TSG, Consultants and the Support Staff dedicated to the Scheme and to provide support to Department of Higher Education. As per the Service Agreement, EdCIL has set up a TSG, part of the Mission Secretariat and all the activities are being coordinated and carried out by the Mission Secretariat.

For bringing transparency and disseminating the workings of NMEICT, a portal (www.sakshat.ac.in) is being maintained at Indira Gandhi National Open University (IGNOU). During the year 2009-10, IGNOU was sanctioned Rs.28 lakhs for maintenance of the sakshat website through IT personnel under the NMEICT project.

As informed by Prof.Uma Kanjilal, Director, School of Social Sciences, IGNOU almost 80% of the amount has been spent during the year 2009-10. It was further informed by Prof. Kanjilal that they have been managing the portal with the existing infrastructure of eGyanKosh at IGNOU. Now IGNOU has provided budget estimates for Rs.37.60 lakhs for the year 2010-11 towards salary for the personnel hired for maintaining the sakshat portal. Details are given in the **Appendix- V**.

It is proposed to treat this contingent as a p art of Mission Secretariat and expenditure to be incurred in this regard may be treated as expenditure of the Mission Secretariat. The contract of this essential staff for maintaining the sakshat portal may also be extended for one year.

Item No.6

Payment of sitting fee to the non-officials invited in the Project Approval Board of National Mission on Education through Information and Communication Technology (NMEICT)

Project Approval Board of National Mission on Education through Information and Communication Technology in its 7th meeting held on 2nd July, 2009 considered the draft Guidelines for Development Assessment, Monitoring the progress, evaluation of outcome of projects and approved the same with the modification that Rs. 2000/- and Rs. 1000/- be paid respectively as honorarium and sitting fee to the domain experts for their contribution in evaluating each Project and to the Members of the Standing Committee for their participation in each of the meetings.

However, there is no provision of payment of sitting fee to these Reviewers if they are invited to the Project Approval Board meetings. PAB in its 11th meeting had approved payment of sitting fee of Rs.1000/- to the non-official members of the PAB. It is proposed that the sitting fee may also be paid to all the experts/Reviewers of the projects invited for attending the PAB meetings in addition to the Honorarium of Rs.2000/- being paid for reviewing the project.

Project Approval Board of NMEICT may consider the proposal and take a decision.

Item No.7

Proposal for approval of projects

A Peer Review was conducted in respect of following four on-going projects:-

1. Development of Language Tools and Resources for Machine Translation System (English to Hindi and English to Tamil)

2. Development of Computerized Vocational Educational Modules and use of Haptic Devices for Training

3. U-share : Multi-user Real time Shared Access platform for Remote Experimentation

4. Development of an Open Source Integrated Graphical Programming Ecosystem for Scientific Computing

Detailed reports in respect of all the projects are enclosed as **Appendix- VI**.

Item No.8

Presentation by BSNL on the progress of Connectivity to Colleges and Universities

The BSNL will be making a detailed presentation on the progress made in providing VPN broadband connectivity to universities and colleges and issues involved before the PAB.

Item No.9

Accommodation for the Mission Secretariat

The Mission had written to the Vice Chancellors of the Jawaharlal Nehru University (JNU) and Delhi University for providing official accommodation for the Mission Secretariat for its smooth working. However, no response has been received from them till date. Therefore, the earlier proposal of hiring of space at Shaheed Bhagat Singh Marg was taken up with EdCIL. The total space available at the above place is approx.7800 sq.ft. It is felt that if whole of the building is taken up by the Mission Secretariat, we can accommodate the Mission Secretariat and also servers for the Sakshat portal and the staff for maintaining the same. This will help in immediate uploading of the videos and minutes of various meetings of the NMEICT. In addition, meetings of the Standing Committee, Implementation-cum-Monitoring Committee and other meetings may also take place there. Therefore, EdCIL has been asked to negotiate the rent for the entire building. Final agenda will be put up on completion of the negotiation of rent.

Minutes of the 14th Meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology held on 22nd March, 2010 at 5.00 p.m. in the Chamber of Secretary (Higher Education), First Floor, Shastri Bhavan, New Delhi

The 14th Meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology was held on 22nd March, 2010 at 5.00 p.m. in the Chamber of Secretary (Higher Education), First Floor, Shastri Bhavan, New Delhi under the Chairpersonship of Secretary, Department of Higher Education.

The list of members who participated in the meeting is at Annexure-I.

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

Item No. 1:

Chairperson requested all the members to give their comments, if any, on the Minutes of the 13th PAB Meeting. Since no comments were received, the Minutes of the 13th PAB Meeting held on 25th February, 2010 were then confirmed.

Item No. 2:

The PAB noted the Action Taken Report on all the items.

Item No. 3:

The PAB was informed about the progress made in this regard. Presently there are 15 NKN POPs. So far BSNL has been asked to provide connectivity to universities within 150 kms of NKN POP. Large number of universities, therefore, would not get covered. The matter was taken up with BSNL. The BSNL has proposed that for such universities i.e. universities beyond 150 km from the present NKN POP, the BSNL will provide connectivity from BSNL POP with additional 155 mbps on yearly rent of Rs.23.40 lakhs with one year minimum lock-in period. This rent will be discontinued on providing of connection with NKN

POP. The matter was discussed in detail. It transpired that with the likelihood of approval of NKN project by the Cabinet, more NKN POPs are likely to come up soon. PAB was of the view that the progress in providing connectivity to the universities beyond 150 km of NKN POP be synchronized with NKN activity of providing more NKN POPs in the country. As such, the number of such universities beyond 150 kms of NKN POP and requiring urgent connectivity would be very few. Even in the case of those universities which would be beyond 150 kms, the rent should not be payable after connection with NKN POP has been provided. The remaining part of un-used rent would form part of the capital investment. PAB, therefore, did not find the proposal of BSNL of 1 year lock-in-period as acceptable. Further, keeping in view of the fact that Rs.2 crore was meant for universities within 150 kms of NKN POP (for which free connectivity of 10 years with NKN POP is to be provided) proportionate rate should not be more than Rs.20 lakhs for one year. Of course, the 10% partnership discount will also be applicable.   BSNL/MTNL may initiate work for providing connectivity to all the universities. Only part payment can be released in the first instance. The full amount of Rs.2 crore for such universities will get paid to BSNL/MTNL only on providing of 1 Gpbs connectivity through NKN POP.

Table Agenda

Item No.1:

Payment to BSNL/MTNL for providing connectivity

The PAB has approved the proposal of MHRD for two separate demand notes for Rs.300 crores and balance amount so that DOT may be advised to release Rs.300 crore to BSNL by this department and demand for payment of balance amount of Rs.365 crores to BSNL be processed separately for payment.

However, during discussion, the issue of providing effective VPN broadband connectivity to the colleges and universities also came up. It was informed by a PAB member that college connections were behaving more like internet connections in standalone mode and VPN aspect was missing from them. The representative of BSNL reported that the exact VPN broadband connectivity can be provided only on availability of static IP addresses. The PAB stressed the need for providing VPN to colleges. It was proposed that Static IP addresses may be provided for the time being by BSNL for effective VPN broadband connectivity.   In the meantime IIT Madras server could be connected to BSNL VPN with 155 Mbps link to

provide services to colleges on BSNL VPN. The IIT Madras server would then be able to implement VPN and video conferencing between those colleges by using the dynamic IPs based addressing Scheme.

PAB was also concerned of the progress made by the BSNL so far. The BSNL was, therefore, asked to make a detailed presentation before the PAB in the next meeting indicating the progress made in providing VPN broadband connectivity to colleges and universities so far.

General Point:

The PAB also advised that for public awareness, a document in the form of a "booklet" had to come out for effective dissemination of the Mission's Objectives and Goals throughout the country.

For preparation of the booklet Prof. Uma Kanji Lal from IGNOU has been identified. The Booklet should come out specifically for different categories, such as general public, educational institutions, government bodies, etc.

The Booklet so prepared shall be passed on to UGC for free distribution among various universities/institutions.

Item No.2:

The PAB approved to delegate powers to the Chairperson of PAB for approving the specifications and floating of Expression of Interest for the Low Cost Device.

Item No.3:
Educational Resource Planning (ERP)

The PI, Prof.Y.N.Singh presented details of the project. As per the project proposal the cost of the project is Rs.19.36 crores for 3 years duration and most of the cost is towards manpower deployment in developing ERP system.

The PAB in its 13th Meeting held on 25th February, 2010 requested for experts' opinion and accordingly the experts/Reviewers were invited for appraising the importance or otherwise of the project.

In this regard, experts in the area of ERP, namely, Shri Ravinder Gupta, CRIS, Shri K.M.Satish, Everron Ltd, Chennai, Dr.S. Ramani, IIIT,Bangalore and Shri Vijay Devnath, Konkan Railway attended the 14th PAB meeting and all the experts reviewed the project. The summary of their opinion on the said project is given below:

Dr.Ramani mentioned that ERP projects need very detailed contract between and implementer and users. Ideally, a commercial entity like Infosys implementing would be preferable. But such a system over this massive scale would cost huge amount of money. Considering the budget, doing it in open source by academic institutes is a better possible way.

Mr. K.M.Sathish from Everonn pointed out that the project was the need of the day. The specification document has lot of details for some components and some of them have less. But the idea and concept was good and doable. This initiative would help the India academia.

Accordingly to Mr. Ravinder Gupta from CRIS, the task is huge and is the need of the day, and more details should be worked out. Considering the already done work, it is doable task by the team.

Accordingly to Mr. Vijay Devnath from Konkan Railway, the objectives and specifications are clearly drawn, and the project is the need of the hour. Such an initiative should not be delayed for the benefit of academic community of India.

The PAB on hearing the experts opinion had a detailed deliberation on the issue as to how the project idea could be made workable and how the said project would be used by the end users.   The PAB noted that nothing ventured, nothing gained is the theme of the hour and as we move ahead to achieve the objective, a lot of challenging tasks have to be encountered and it has to be addressed while the project is being carried out. Further, PAB

opined that for each module responsible institutions be identified and standardization of the module should also be undertaken with a nodal IT/administrative person from that institute.

The PAB considered the proposal and approved Rs.1936 lakhs (subject to the overall ceiling approved by the Cabinet) for the Educational Resource Planning project.

Item No.4:

Sanction of Rs.14 lakhs to Chandigarh Administration

The PAB was informed that a workshop was organized at Chandigarh on 11th March, 2010 by the Standing Committee Members in collaboration with Chandigarh Administration. The response of faculty from colleges in Chandigarh was overwhelming and the same was informed to the PAB.

Considering the close coordination by the Chandigarh Administration in the dissemination of Mission's Objectives, PAB approved Rs.14 lakhs to Chandigarh Administration to be placed with the Special Secretary (Finance), Department of Education, Chandigarh Administration for preparing 2 lectures for each of the 35 projects (List enclosed-**Annexure-II)** as pilot.

The meeting ended with vote of thanks to the Chair.

Attendance of the 14th Meeting of the Project Approval Board (PAB) of the National Mission on Education through Information & Communication (NMEICT) Technology held on 22nd March, 2010 at 5.00 p.m. in the Chamber of Secretary (Higher Education), First Floor, Shastri Bhavan, 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	Mr. R.P.Agrawal C1/17, Bapa Nagar, New Delhi	23384306 (M) 9910823311 rpa1949@gmail.com
3	Mr.V.N.R. Pillai VC,IGNOU	9810982888 011-29532484
4	Mr. M.K. Surappa Director IIT,Ropar	09878100300
5	Mr. N. Ravi Shanker Joint Secretary DIT	nravishanker@nic.in 24363124
6	Mr. S.Ramani Prof. IIIT Bangalore	ramani@iiitb.ac.in 09845546728
7	Mr. Madan Mohan Adviser (Higher Education) Planning Commission	mmohan.edu@nic.in 9971035557
8	Mr. Navin Soi Director (Finance) Ministry of HRD	23389247 nsoi@nic.in
9	Mr. Prem Sewak Sudhish Department of Physics and Computer Science, Dayalbagh Educational Institute Agra-282110	sudhish@pcs.dei.ac.in +91-562-645-8483 Extn.21
10	Mr. Manoj Misra IIT Roorkee	manojfec@iitr.ernet.in 01332-285642
11	Mr. Padam Kumar Head,CC, IIT,Roorkee	padamfec@iitr.ernet.in 01332-285701
12	Mr. K. Mangala Sunder Professor, Chemistry Department,IIT Madras,Chennai-600036	mangal@iitm.ac.in 09444008706

13	Dr. Y.N. Singh Associate Professor, Electrical Engineering Department IIT Kanpur-208106	ynsingh@ieee.org 09452048451
14	Mr. Vijay Devnath Chief Manager (IT) Kokan Railway 6th Floor, Belapur Bhawan,CBD Belapur,Navi Mumbai-400614	cmit@konkanrailway.com vdevnath@gmail.com 9870592520 9422969520
15	Mr. K.M. Satish President Technical Education,Everonn Education Ltd.,96499,Industrial-Estate,Perungudi,Chennai-600096	kmsatish@everonn.com kmsatish@gamil.com 9445011729
16	Dr. B.K. Murthy Director & HOD NKN,DIT	bkn@
17	Prof. Ajay Chakrabarty Dean (CE),IIT Khargpur-721302 West Bengal	deance@hijli.iitkgp.ernet.in
18	Ms. Phalguni Gupta IIT,Kanpur-208016	pg@iitk.ac.in
19	Mr. Ravinder Gupta GM CRIS,Pragati Maidan Metro Station,New Delhi-110001	ravindergupta@cris.org.in
20	Prof. Raghu Raman Amrita Universtiy	raghu@amrita.edu 9895028779
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22	Mr. Aasim Zafar Department of Computer Science A.M.U Alighar	aasimzafar@rediffmail.com 09319098461
23	Prof. G. Panda Dean (Academic Affiairs) IIT,Bhubaneswar	ganapati.panda@gmail.com
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25	Mr. Arush Kumar Project Manager DEI,Dayalbagh,Agra	arushkumar023@gmail.com
26	Prof. Ashok Kumar Department of Electronics & Communication Engineering NIT Hamirpur (HP)	ashok@nitham.ac.in 09418083138

27	Prof Navoltam Chanel Computer Science & Engg. Dept NIT Hamirpur (HP)	nar@nitham.ac.in 09418094345
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30	Ms. Sonika Gupta Shri Mata Vaishno Devi University Katra,Jammu	sonika-g@rediffmail.com
31	Mr. Sushant Kumar SMVD University	sushant001@gmail.com
32	Mr. Vishwa Mohan DGM (BSNL) BSNL Bhawan,New Delhi	vishwamohan@bsnl.co.in
33	Dr. K.S. Daya Dayalbagh Educational Institute Agra-282110	sdayal@gmail.com

**List of Proposals presented by the Project Investigators from Chandigarh
on 20th March, 2010**

1. **Development of e-content for B.Sc. Home Science (Composite) and B.Sc. Home Science (Human Development and Social Welfare)**

   Control No.: Se-12031010587

   Presented by/Co. Project Investigator Dr. Suman Verma , Government Home Science College, Sector 10, Chandigarh

2. **e-Content development of B.Sc Home Science (Composite) B.Sc Home Science (Apparel & Textile Design)**

   Control No.: Je-13031010603

   Presented by/Co. Project Investigator: Mrs. Jatinder Sohi & Mrs. Sangeeta Dewan, Government Home Science College, Sector 10 Chandigarh.

3. **English Communication Skills and Soft Skills**

   Control No.: Se-15031010623

   Presented by/ Co Project Investigator: Prof. Sharda Kaushik & Dr. Bindu Bajwa, Regional Institute of English, Chandigarh Administration

4. **Phonetics, Phonology & Spoken English**

   Control No.: Se-12031010594

   Presented by/ Co Project Investigator: Prof. Sharda Kaushik,   Regional Institute of English

5. **Development Of E-Content Module On Biodiversity Of Insects In The Subject Of Zoology For Undergraduate Course Of Indian Universities**

   Control No.: De-14031010616

   Presented by Project Investigator: Dr Dalip Kumar, PG. GOVT. COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH

6. **e-content generation related to under-graduate and post-graduate courses regarding Hindi Sahitya Ka Itihas,**

   PI – Sukhdev Singh Minhas, PG, Government College, Chandigarh

7. Development of e-contents in the subject of Psychology.

Control **No.**: Re-16031010680

Presented by/Co. Project Investigator: Dr. Rajesh Kumar, : Post Graduate Government College, Sector-46, Chandigarh.

8. E-Content generation of the syllabus of Fundamentals of Sociology, which is foundational course in social sciences

Control No.Re-16031010677

Principal investigator: Asst Prof. Dr. Rakesh Thakur, Department of Sociology, Post Graduate Government College, Sector – 11, Chandigarh.

9. Project Proposal on "Developing suitable pedagogical methods for the teaching of Aristotle's Poetics and Dr. Samuel Johnson's Preface to Shakespeare (Critical Theory) for Postgraduate students in INDIA"

Submitted by : Ms.Savita Devi, Lecturer in English(Contract), Govt.College-46,Chandigarh , Er. NEHA BATTA, Principal Investigator, HOD (IT Department) , *Gurukul Vidyapeeth,* Ramnagar, *Banur* .

10. Development of e-Contents in Psychology Degree Course of Indian Universities/Colleges
Control No: **De-16031010670**

Presented by/Co. Project Investigator: Dr. Sudhir K Samantaray, Department of Psychology, Post Graduate Govt. College Sector-11 Chandigarh

11. Development of 40 hours e-Contents on Management in Physical Education & Sport

Proposed by Dr. R.S.Brar (Associate Professor) HoD, Physical Education Post Graduate Government College Sector-11, Chandigarh

12. To study Punjabi language, book-one act play/drama, through E-content/ICT, with the help of Audio-visual techniques

PRESENTED BY: Dr. Kanwaljit Kaur Dhillon, Associate Professor , Post Graduate Govt. College Sector - 11, Chandigarh

13. **"Development of e-learning/online teaching material for various subjects of BCA, B.Sc. and M.Sc. (IT & Computer Science) courses which will cover most of the syllabi of various universities and a pilot project of Artificial Intelligence"**

Submitted by: Bhupat Rai Bansal, Associate Professor, PG Govt College, Sec-11, Chandigarh

14. **E-Content Generation of the Undergraduate and Postgraduate Syllabus with Special reference to Plant Biotechnology"**

Control No.: VE-16031010648

Presented by/Co. Project Investigator: Dr VISHAL SHARMA, Botany Department P.G. Govt. College for Girls, Sector-11, Chandigarh

15. **Development of e-Learning/Online Teaching Material in the Subject: Public Administration**

Presented by: Dr.Nemi Chand (Principal Investigator) Assistant Professor Department of Public Administration Post Graduate Govt. College for Girls Sector-42 Chandigarh

16. **Development of e-learning/online teaching material in the area – Accounting for the Graduate Commerce and Management course of Indian Universities**

Presented by: Prof. Mukesh Sharma (Principal Investigator), Assistant Professor, Department of Commerce, Post Graduate Govt. College, Sector-11 Chandigarh

17. **Development of e-learning/online teaching material in the area – Accounting for the Under-Graduate Commerce and Management course of Indian Universities**

Control No: Me-15031010628

Presented by/Co. Project Investigator: Mohan Lal Sharma (PI), Post Graduate Govt. College Sector-11 Chandigarh

18. **E-Content development in the subject of Company Law**

Control No: Ae-15031010630

Presented by/Co. Project Investigator: Amarpreet Singh Sijher (PI), V. Magesh (Co-PI), Post Graduate Government College, Sector-46 Chandigarh

19. **Development of e-learning/online teaching material in the selected subjects of Commerce and Management for Graduate/Post Graduate classes of Indian Universities**

Presented by: Manoj Kumar (Principal Investigator) Assistant Professor Department of Commerce Post Graduate Govt. College Sector-11 Chandigarh

20. **Project Proposal One-Content for the following courses**

- Teaching Business Communication to B.Com-I students of Panjab University, Chandigarh, Kurukshetra University, Kurukshetra and Guru Nanak Dev University, Amritsar

- Teaching of composition- Developing skills in-

  Paragraph, Essay, Précis Writing and Personal Letters

- Teaching components of Grammar-

  Parts of Speech, Phrases, Sentences and Clauses, Sentence Structure and Transformation of Sentences

- Teaching Poetry with special reference to teaching of *Slice of Life (An Anthology of Poetry, Short Stories, and Prose),* a part of English Syllabus of *B.A*-I students of Panjab University, Chandigarh

  Postgraduate Government College,Sector-11,Chandigarh

  Presented by: Principal   Investigatorn Saagiri Thapar, Associate Professo, M.A.,M.Phil(Anthropological linguistics) H.O.D(Postgraduate Deptt. Of English), Mr. V.K.Deveshwar**,** Associate Professor ,M.A.,M.Phil , H.O.D(Functional English), Aparna Kaushal, Associate Professor MA English, MA Mass Communications and PGD Journalism, Associate Professor, Savita Devi M.A.,M.Phil(English),Lecturer on contract basis

21. **PROPOSAL FOR INTRODUCTION OF E-CONTENT ON NEW CHALLENGES TO DEMOCRACY: AREAS OF PERFORMANCE AND TENSIONS**

   Chief Investigator: Dr. Sudhir Chander Hindwan, Department Of Political

   Science, Post Graduate Government College For Girls, Sec   42, Chandigarh-160036

22. **Proposed E-content Detailed Project Report on Corporate Accounting**

   Principle Investigator: V. Magesh, Asst. Prof. Post Graduate Government College, Sector 46, Chandigarh.

23. Development of e-content for B.Sc. Home Science (Dietetics) and B.Sc. Home Science (Composite)

Principal Investigator: Mrs Madhu Nanda Department of Foods and Nutrition,Government Home Science College Sector 10, Chandigarh

24. **Development of e-content**

B.Sc. (Home Science) Composite
B.Sc. (Home Science) Human Development and Social Welfare
B.Sc. (Home Science) Interior Design Management
B.Sc. (Home Science) Dietetics
B.Sc. (Home Science) Apparel and Textile Design
B.Sc. (Home Science) Hospitality Management

Principal Investigator:

Veena Kumari Goyal, Ph.D. Department of Chemistry, Government Home Science College, Sector 10, Chandigarh

25. Development of e-content for B.Sc. Home Science (Composite) and B.Sc. Home Science Interior Design Management

Principal Investigator: Mrs. Sushil, M.Sc., Government Home Science College, Sector 10 Chandigarh.

26. Development of e-learning/online teaching material in the area of Biotechnology for the Under Graduate Biotechnology (Hons.) course of the Indian Universities

Principal Investigator: Promila Malik, Associate Professor, Department of Biotechnology, Post Graduate Govt. College, Sector-11, Chandigarh.

27. Concepts of Music and Dance in North India

Principal Investigator: Dr. Sneh Lata Badhwar, Associate Professor, Post Graduate College for Girls, Sector 42, Chandigarh.

28. Developing e-learning/audio-visual online teaching material for Under Graduate English Grammar course of Indian Universities.

Principal Investigator: Jitender Singh, P.G. GOVT. COLLEGE FOR GIRLS, SECTOR-42, CHANDIGARH

29. E-contents on Environment Education

Principal Investigator: Dr. Sneh Sharma (Principal Investigator), M.A, Ph.D, M.Sc. Ecology and Environment science, Pursuing M.B.A, Associate Professor/Head, Dept. of Environment Science, Government College, Sector-46, Chandigarh

30. **E-contents on "Hindi Sahitya Ka Itihas"(Aadi Kal, Bhakti kal, Reeti Kal and Aadhnunic Kal)**

Principal Investigator: —Dr. Sneh Sharma (Principal Investigator), M.A, Ph.D, M.Sc. Ecology and Environment science, Persuing M.B.A, (Associate Professor,Dept. of Hindi), Government College, Sector-46, Chandigarh

31. DECODING THE GREEK CLASSICS FOR UNDER-GRADUATES & POST GRADUATE STUDENTS

Principal Investigator: Project Investigator: Dr. Shikhar Kr. Sarma, Government College, Sector-46, Chandigarh

32. E-contents on Human Resource Management and Organizational Behaviour

Principal Investigator: Dr. Jagdish Kumar Sehgal M.Com., Ph. D Associate Professor, Head, Post Graduate Dept. of Commerce, Post Graduate Govt. College, Sector 46, Chandigarh

33.**MARKET BEHAVIOUR WITH CONSUMPTION ECONOMICS AND PRODUCTION ECONOMICS AS ITS MAIN CONSTITUENTS**

Principal investigator: Mrs. Nirupinder Kaur (M.A., M.Phil. Economics), Co-Investigator(s): Mrs. Vandana Gupta (M.A., M.Phil. Economics), Mrs. Prabal Jyoti, (M. Sc. Ind. Economics, M.Phil Economics), GOVT. COLLEGE FOR GIRLS, SECTOR 42, CHANDIGARH.

34. Development of holistic e-learning /online teaching material on Management and Work Behaviour in management courses of   B.Com, B.B.A, B.B.S, B.B.M, M.Com, M.B.A, and other graduate & post graduate courses for developing global managers.

Project PI: Dr. Amandeep Kaur, M.Com,Ph.D, Department of Commerce, Post- Graduate Government College for Girls Sector 42, Chandigarh

35. Development of e-Contents on "Sport Training and Sports Psychology "

Principal Investigator: Dr. Sanjit Sardar (Assistant Professor), M.P.Ed., M.Phil., Ph.D. (Recipient of JRF), Co-Investigator(s): Dr. Ajit Singh (Asst. Professor), Dr. Anshul Singh Thapa (Asst. Professor)

PG Govt College, Sector-11, Chandigarh.

Action Taken Report on the Minutes of the 14ᵗʰ Meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology held on 22ⁿᵈ March, 2010

Item No.	Action Taken
Item No. 1: Chairperson requested all the members to give their comments, if any, on the Minutes of the 13ᵗʰ PAB Meeting. Since no comments were received, the Minutes of the 13ᵗʰ PAB Meeting held on 25ᵗʰ February, 2010 were then confirmed.	Minutes confirmed
Item No. 2: The PAB noted the Action Taken Report on all the items.	-
Item No. 3: The PAB was informed about the progress made in this regard. Presently there are 15 NKN POPs. So far BSNL has been asked to provide connectivity to universities within 150 kms of NKN POP. Large number of universities, therefore, would not get covered. The matter was taken up with BSNL. The BSNL has proposed that for such universities i.e. universities beyond 150 km from the present NKN POP, the BSNL will provide connectivity from BSNL POP with additional 155 mbps on yearly rent of Rs.23.40 lakhs with one year minimum lock-in period. This rent will be discontinued on providing of connection with NKN POP. The matter was discussed in detail. It transpired that with the likelihood of approval of NKN project by the Cabinet, more NKN POPs are likely to come up soon. PAB was of the view that the progress in providing connectivity to the universities beyond 150 km of NKN POP be synchronized with NKN activity of providing more NKN POPs in the country. As such, the number of such universities beyond 150 kms of NKN POP and requiring urgent connectivity would be very few. Even in the case of those universities which would be beyond 150 kms, the rent should not be payable after connection with NKN POP has been provided. The remaining part of un-used rent would form part of the capital investment. PAB, therefore, did not find the proposal of BSNL of 1 year lock-in-period as acceptable. Further, keeping in view of the fact that Rs.2 crore was meant for universities within 150 kms of NKN POP (for which free connectivity of 10 years with NKN POP is to be provided) proportionate rate should not be more than Rs.20 lakhs for one year. Of course, the 10% partnership discount will also be applicable. BSNL/MTNL may initiate work for providing connectivity to all the universities. Only part payment can be released in the first instance. The full amount of Rs.2 crore for such universities will get paid to BSNL/MTNL only on providing	The BSNL has been advised to make a detailed presentation on the progress made in providing VPN broadband connectivity to universities and colleges before the PAB.

of 1 Gpbs connectivity through NKN POP.	
Table Agenda **Item No.1:** **Payment to BSNL/MTNL for providing connectivity** The PAB has approved the proposal of MHRD for two separate demand notes for Rs.300 crores and balance amount so that DOT may be advised to release Rs.300 crores to BSNL by this department and demand for payment of balance amount of Rs.365 crores to BSNL be processed separately for payment. However, during discussion, the issue of providing effective VPN broadband connectivity to the colleges and universities also came up. It was informed by a PAB member that college connections were behaving more like internet connections in standalone mode and VPN aspect was missing from them. The representative of BSNL reported that the exact VPN broadband connectivity can be provided only on availability of static IP addresses. The PAB stressed the need for providing VPN to colleges. It was proposed that Static IP addresses may be provided for the time being by BSNL for effective VPN broadband connectivity. In the meantime IIT Madras server could be connected to BSNL VPN with 155 Mbps link to provide services to colleges on BSNL VPN. The IIT Madras server would then be able to implement VPN and video conferencing between those colleges by using the dynamic IPs based addressing Scheme. PAB was also concerned of the progress made by the BSNL so far. The BSNL was, therefore, asked to make a detailed presentation before the PAB in the next meeting indicating the progress made in providing VPN broadband connectivity to colleges and universities so far.	Presentation is being made by BSNL before the PAB.
General Point: The PAB also advised that for public awareness, a document in the form of a "booklet" had to come out for effective dissemination of the Mission's Objectives and Goals throughout the country. For preparation of the booklet Prof. Uma Kanjilal from IGNOU has been identified. The Booklet should come out specifically for different categories, such as general public, educational institutions, government bodies, etc. The Booklet so prepared shall be passed on to UGC for free distribution among various universities/institutions.	Action for preparation of the booklet by Prof. Uma Kanjilal from IGNOU

Item No.2: The PAB approved to delegate powers to the Chairperson of PAB for approving the specifications and floating of Expression of Interest for the Low Cost Device.	A team visited Taiwan from 6th April to 12th April 2010. This has clarified the specifications. However, for arriving at cheapest solution, another team is visiting China from 31st May to 5th June 2010. The specifications and other modalities will be firmed up after the visit and thereafter Expression of Interest will be floated.

Item No.3:
 	
Educational Resource Planning (ERP)
 	
  The PI, Prof.Y.N.Singh, presented details of the project. As per the project proposal the cost of the project is Rs.19.36 crores for 3 years duration and most of the cost is towards manpower deployment in developing ERP system.
 	
  The PAB in its 13th Meeting held on 25th February, 2010 requested for experts' opinion and accordingly the experts/Reviewers were invited for appraising the importance or otherwise of the project.
 	
  In this regard, experts in the area of ERP, namely, Shri Ravinder Gupta, CRIS, Shri K.M.Satish, Everron Ltd, Chennai, Dr.S. Ramani, IIIT,Bangalore and Shri Vijay Devnath, Konkan Railway attended the 14th PAB meeting and all the experts reviewed the project. The summary of their opinion on the said project is given below:
 	
  Dr.Ramani mentioned that ERP projects need very detailed contract between and implementer and users. Ideally, a commercial entity like Infosys implementing would be preferable. But such a system over this massive scale would cost huge amount of money. Considering the budget, doing it in open source by academic institutes is a better possible way.
 	
  Mr. K.M.Sathish from Everonn pointed out that the project
	Concerned Division has processed the case for release of funds

was the need of the day. The specification document has lot of details for some components and some of them have less. But the idea and concept was good and doable. This initiative would help the India academia. Accordingly to Mr. Ravinder Gupta from CRIS, the task is huge and is the need of the day, and more details should be worked out. Considering the already done work, it is doable task by the team. Accordingly to Mr. Vijay Devnath from Konkan Railway, the objectives and specifications are clearly drawn, and the project is the need of the hour. Such an initiative should not be delayed for the benefit of academic community of India. The PAB on hearing the experts opinion had a detailed deliberation on the issue as to how the project idea could be made workable and how the said project would be used by the end users. The PAB noted that nothing ventured, nothing gained is the theme of the hour and as we move ahead to achieve the objective, a lot of challenging tasks have to be encountered and it has to be addressed while the project is being carried out. Further, PAB opined that for each module responsible institutions be identified and standardization of the module should also be undertaken with a nodal IT/administrative person from that institute. The PAB considered the proposal and approved Rs.1936 lakhs (subject to the overall ceiling approved by the Cabinet) for the Educational Resource Planning project.	
Item No.4: **Sanction of Rs.14 lakhs to Chandigarh Administration** The PAB was informed that a workshop was organized at Chandigarh on 11th March, 2010 by the Standing Committee Members in collaboration with Chandigarh Administration. The response of faculty from colleges in Chandigarh was overwhelming and the same was informed to the PAB. Considering the close coordination by the Chandigarh Administration in the dissemination of Mission's Objectives, PAB approved Rs.14 lakhs to Chandigarh Administration to be placed with the Special Secretary (Finance), Department of Education, Chandigarh Administration for preparing 2 lectures for each of the 35 projects (List enclosed-**Annexure-II)** as pilot.	Concerned Division has processed the case for release of funds

Action Taken on the item No. 5 in the agenda for 13th meeting of the Project Approval Board of National Mission on Education through Information and Communication Technology held on 25 February, 2010

Teachers Empowerment, Students Empowerment and Integration tools for Empowerment (Synchronous Delivery) AKA Talk to a Teacher

Project Approval Board of National Mission on Education through Information and Communication Technology, in its 13th meeting held on 25.2.2010, inter alia, approved Rs.79.15 crore to Indian Institute of Technology, Bombay for the project, "Teachers Empowerment, Students Empowerment and Integration tools for Empowerment (Synchronous Delivery) AKA Talk to a Teacher". However the case could not be processed for release of 30% of the amount approved by PAB for the said project to Indian Institute of Technology, Bombay before 31st March 2010.

The peer review was conducted on 19th May 2010. The project was appraised and evaluated by a number of experts in the field including directors of NITs and renowned professors of academia the detailed appraisal and evaluation reports are enclosed as **Appendix-VII**. The suggestions made by the reviewers will be incorporated in the sanction to be issued for the project.

BUDGET ESTIMATES FOR TECHNICAL SUPPORT GROUP/MISSION SECRETARIAT (NMEICT)

A. Non-Recurring Expenditure

(Rs. In lacs)

S.No.	Name of Items / Description	Qty. (Nos.)	Unit Cost	Total Cost
A	**Procurement of Items for IT related area**			
1.	Computer Desktops	12	0.45	6.20
2.	Laptops	20	0.55	11.00
3.	Intel Xeon 3.0 GHz 5450 Processor (server for connectivity with computers & laptops for accessing Internet & for back-up data etc.)	02	7.00	14.00
4.	Networking for 48 Ports / LAN Cabling, Switches, Rack other related work for all computers, servers etc.	01	4.00	4.00
5.	UPS 1 KVA official-for Power Back-up for Computers & Printers, etc.	27	0.08	2.16
6.	**PRINTERS**			
(i)	Network Printer (Heavy Duty)	04	0.45	1.80
(ii)	Black & White Laser Jet Printer	05	0.25	1.25
7.	Modem for internet connection	10	0.25	2.50
B.	**Procurement of Furniture**			
8.	Executive Tables	06	0.25	1.50
9.	Standard Tables	12	0.12	1.44
10.	Executive Chairs	06	0.15	0.90
11	Semi-Executive Chairs	12	0.08	0.96

12	Almirah (full size) Steel	10	0.10	1.00
13	Air Conditioners (Split)	10	0.25	2.50
14.	Water Cooler	01	0.40	0.40
15.	R.O. System for drinking water	01	0.25	0.25
16.	Heat Convectors	10	0.01	0.10
17.	Oven/O.T.G.	01	0.20	0.20
18.	Refrigerator (full size)	01	0.20	0.20
19.	Sofa & Table for Visitor's Room – waiting area	01	0.60	0.60
20.	Canteen Items (Crockery & Utensils)	L.S.	L.S.	0.50
21.	Video Conferencing Facility	01	5.00	5.00
22.	Carpets	L.S.	L.S.	1.00
23.	Internal Furnishings including Curtains, other items as per requirement after accommodation is finalized.	L.S.	L.S.	1.00
C	**Procurement of Office Equipment**			
24.	EPABX System	01	1.50	1.50
25.	ADF Scanner [HP/Samsung]	01	0.40	0.40
26.	Plastic Trays, Glasses, Waste Paper Baskets	L.S.	0.25	0.25
27.	Shredders	02	0.25	0.50
28.	Photocopier Machines	02	2.50	5.00
29.	DG Set 40 KVA	01	L.S.	5.00
D.	**Other Items**			
25.	Software (Server 2008, MS Office 2007 & Anti Virus 40 users, etc.)	L.S.	L.S.	5.00
	Sub-Total			78.11

BUDGET ESTIMATES FOR TECHNICAL SUPPORT GROUP/MISSION SECRETARIAT (NMEICT)

B.   RECURRING EXPENDITURE

(Rs. In lacs)

S.No.	Name of Items / Description	F.Y. 2010-11		
		Qty. (Nos.)	Unit Cost	Total Cost
A.	**Expenditure related to Recruitment of Consultants & Support Staff**			
1.	Release of reflective advertisement on All India basis in all edition of TOI/H.T.	L.S.	L.S.	10.00
2.	Expert Fee for Resource persons for the Interview, meeting expenses & local conveyance etc. as per Government of India's norms or as approved by PAB.	L.S.	L.S.	5.00
B.	**Consultancy Fee & Salary**			
3.	**CONSULTANTS/PROJECT MANAGER ETC.**			
(i)	Senior Consultant	06	0.60	43.20
(ii)	Consultants	04	0.40	19.20
(iii)	Project Manager (Technical-IT) – on contract	01	0.50	6.00
(iv)	Project Manager (TSG) (Level Manager, EdCIL)	01	0.60	7.20
4.	**Support Staff** – for TSG/Mission Secretariat			
(i)	Category-I: Executive Asstt., Senior WP Operator	06	0.25	18.00

(ii)	Category-II: Executive Asstt.,/W.P.O.	10	0.15	18.00
(iii)	Cat.-III: Messenger	04	0.08	3.72
C.	**State Visit/Field Visit/Consultants/Resource Persons**			
5.	Boarding/Lodging/TA/DA for Consultants & Resource Persons for Visit / Field Visit, etc. as per Government of India's norms	100	0.25	25.00
6.	Foreign visits – TA/DA	10	1.00	10.00
D.	**Meeting / Seminar / Workshop expenses**			
(i)	Standing Committee Meetings (40 to 50 persons) – within Delhi	24	3.00	72.00
(ii)	National Level Workshops/Meetings in States (100 to 200 persons)	30	3.00	90.00
7.	Studies, Data Collections & Analysis, Report writing, Misc. work	L.S.	L.S.	10.00
8.	Documentation, Printing of Reports, Newsletter, Leaflets, Flyers & Other Contingency.	L.S.	L.S.	10.00
E.	**Administrative Expenses**			
9.	Rent for Building	12 months	5.00	60.00
10.	Security	L.S.	L.S.	3.00
11.	House – Keeping	L.S.	L.S.	3.00
12.	Canteen	L.S.	L.S.	3.00
13.	Electricity & Water Charges	L.S.	L.S.	3.00
14.	Telephone, Fax & Internet charges	L.S.	L.S.	3.00
15	Printing of Brochures / other printing	L.S.	L.S.	3.00
16	Office Stationery (consumables)	L.S.	L.S.	3.00

17.	Local conveyance, OTA, PF, Honorarium for staff	L.S.	L.S.	5.00
18.	Postage charges	L.S.	L.S.	3.00
19.	Diesel for DG Set	L.S.	L.S.	3.00
20.	Newspaper, Magazine, Reports, CD, etc.	L.S.	L.S.	2.00
21.	Photocopying & Binding charges (material for machine)	L.S.	L.S.	1.00
22.	Legal & Audit Expenses	L.S.	L.S.	0.50
23.	Vehicle on monthly basis (Ford Ikon/Esteem etc. – average hiring charges basis)	02	0.35	8.40
24.	Contingency for items other than mentioned above	L.S.	L.S.	10.00
	Sub-Total – (I) Recurring Expenditure			451.82
	Add: Sub-Total (II) Non-recurring Expenditure			78.11
	Total – (I) & (II)			529.93
	EdCIL's Overheads & Service Charges @ 5%			26.50
	Grand Total			**556.43**

Note:

1. The un-utilized funds, if any, will be carried over to the next financial year and will be utilized for various activities of TSG /Mission Secretariat.

2. Service Tax @10.60% or actual.

Fund Requirements for the Sakshat Portal

1. Hardware Requirement   : Rs. 4, 00,000
   (8 Desktops @ Rs. 50, 000 each)
2. Salary for existing staff   : Rs. 33, 60,000
   Grand Total   **: Rs. 37, 60,000**

Hardware Details

Sl. No	Type of Server	Configuration	Qty	Price (in Rs.)	Total Price (in Rs.)
1.	Desktop	**Processor :** Intel(R)Core(TM) i7 Quad Core Processor i7-860 (2.80GHz, 8MB, 4C, 8 threads, Turbo up to 3.46GHz) **Monitor :** LCD 21 Wide Screen Flat Panel with DVI-D / HDMI input **OS :** Windows Seven Professional 64 BIT with Windows XP Downgrade **Memory :** 4 GB (2 x 2 GB) NECC Dual Channel DDR3 1333 MHz SDRAM **Hard Drive :** 320 GB SATA 3.0 GB/s hard drive **DVD :** 16X DVD + / - RW WITH Dual Layer Write Capabilities Video Card : 1GB NVIDIA(R) GeForce(R) GT220 (DVI, VGA, HDMI) **Speakers :** Integrated Monitor Speakers **Keyboard :** USB Keyboard **Mouse :** Optical USB **Sound Card :** Integrated 5.1 Channel (Audio) Capable	8	50,000 each	4,00,000
				Total : Rs. 4,00,000	

Salary of the eight existing staff with increment

Sl. No.	Post	Salary per month (in Rs.)	No. of Posts	Total Salary for 1 years (in Rs.)
1.	System Administrator	50,000	1	600000
2.	Sr. Software Engineer	40,000	2	960000
3.	Web Developer / Software Engineer	35,000	2	840000
4.	Website designer/Multimedia Programmer	40,000	1	480000
5.	Asst. (Web Site Designer/Multimedia Programmer)	20,000	2	480000
	Total: Rs. 33,60,000			