

F. No. 8-2/2018-TEL  
Government of India  
Ministry of Human Resource Development  
Department of Higher Education  
(TEL Section)

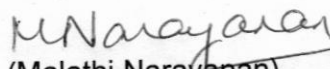
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426-C, Shastri Bhawan, New Delhi  
Dated: 13<sup>th</sup> August, 2018

**OFFICE MEMORANDUM**

**Subject: Minutes of the monthly review meeting of the NMEICT-II held on 03.08.2018 at 10:30 A.M. in the Chamber of Secretary (HE).**

The undersigned is directed to forward herewith the minutes of the monthly review meeting of the NMEICT-II held on 03.08.2018 at 10:30 A.M. in the Chamber of Secretary (HE) for information & necessary action.

  
(Malathi Narayanan)  
Deputy Secretary (ICT)  
Tel No. 011-23385220

To :

1. Prof P.P. Chakrabarti, IIT-Kharagpur.
2. Prof Huzur Saran, IIT-Delhi.
3. Prof Kavi Arya, IIT-Bombay.
4. Prof Prabhu Ramachandran, IIT-Bombay.
5. Prof Mangala Sunder K, IIT-Madras.
6. Prof Ranjan bose, IIT-Delhi.
7. Prof Kannan Moudgalya, IIT-Bombay.

Copy to:

1. PPS to JS (ICC).
2. Shri Parameswaran N.

**Minutes of the monthly review meeting of the NMEICT-II held on 03.08.2018 at  
10:30 A.M. in the Chamber of Secretary (HE)**

The 3rd meeting of the monthly review on NMEICT-II was held under the Chairmanship of Shri R. Subrahmanyam, Secretary (HE) on 03.08.2018. The PIs/Representatives participated through VC.

**(i) National Digital Library (NDL):**

Prof. Partha Pratim Chakraborty, Director IIT Kharagpur, shared the following information regarding the progress and future plan of the project.

- IIT Kharagpur has integrated the EAT module successfully.
- Linking of NDL with UMANG app is in the final stages of completion and would be complete by end of Aug 2018.
- An NDL club has been started for effectively engaging school students.
- Talks are being held with Encyclopedia Smithsonian for getting their resources in NDL
- AI is to be used for doing research and data analytics
- A policy on Edupreneurship model is being framed. Once ready it would be send to MHRD for approval.
- Discussions are being held with AICTE for getting the question papers and answers for putting it in NDL

Secretary (HE) emphasized the following points:

- The low utilization of NDL facility by the students and faculty is a point of concern. There is need to deepen the engagement of students and faculty.
- Suggested conducting of Survey through questionnaire from users/learners.
- Also testimonials can be prepared and shared with other potential users.
- Detailed data analytics should be done to clearly assess what the users want

Regarding release of funds, it was clarified that, to release further funds, existing funds must be utilized first and updated in EAT module.

**(ii) Virtual Labs:**

Prof Ranjan Bose, IIT Delhi (PI) gave the presentation and briefed the Committee about various activities of the Project. Following points were shared and discussed:

- The unit of count are the number of experiments. 7 to 8 experiments constitute one Lab.

- Development of new experiments are in pipeline.
- They are working on hosting Virtual Lab on Baadal.
- 'Live Usage Portal' is available to see the usage statistics of Virtual Lab.
- Requested MHRD to help in publicizing the Labs
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Secretary (HE) made the following points

- What is the vision regarding numbers of usage of Virtual Labs.
- Has the usage increased after AICTE has included it in the Model Curriculum. It was clarified that Virtual Labs cover about 70% of the syllabus.
- After discussions it was agreed that Virtual Lab can improve its reach especially to remote areas through association with TEQIP project. This will be discussed with CPA, TEQIP.
- It was also decided to explore if we can hold a workshop for TEQIP institutions for introducing and promoting Virtual Labs and other projects under NMEICT.

**(iv) e-Yantra**

Prof. Kavi Arya, IIT Bombay had send the status through mail, but could not attend the meeting as he was having a meeting with Director IIT Patna.

The e-Yantra lab count has increased to 308

An interaction with Secretaries of Technical and Higher Education from States at IIT Bombay is being planned in the first week of September 2018.

**(v) FOSSEE:**

Prof. Kannan M Moudgalya, IIT Bombay gave the presentation and briefed the Committee about the various activities of the Project. Following points were shared and discussed:

- On the work that is being done in FOSSEE, papers have been published alongwith other foreign authors.
- Funds of Rs. 3 Cr. is almost spent and further fund of Rs. 6 Cr. has been sought.
- For Spoken Tutorial funds required are Rs. 5 cr. each for years 2018-19 & 2019-20.
- It was decided that the spoken tutorial applications should be taken as a new project under NMEICT.

- It was explained that the National Virtual Library (NVLI) project of Ministry of Culture is to digitize 60,000 public libraries. Secretary (HE) suggested that the NDL facility created by MHRD is a National facility which could be utilized to integrate NVLI with it. It should be ensured that there is no duplication of effort and facility.

**(vi) BAADAL:**

Secretary (HE) would be holding a meeting with DG, NIC and DDG NIC on 8-Aug-18 at 4:30 PM to discuss the issue.

**(vii) UEAF:**

Officers from NIC gave presentation on "University Enterprise Architecture Framework (UEAF)". Following points were shared and discussed:

- DPR preparation will take around 5 months times and require some funding.
- After DPR approval, it will take around 9-10 months' time for solution roll out.
- Secretary (HE) mentioned that IIT Kharagpur has implemented an ERP solution for universities which is freely available. It was decided that more details should be obtained from IIT Kharagpur and also they could be requested to make a presentation.
- JS (ICC & TEL) pointed out that ERP solution should come up with consultation with some universities and also universities should share the expenses so that they would have sense of ownership. He also emphasized on training for using ERP effectively.
- NIC was requested to proceed further.

The meeting ended with thanks to the Chair.

Sr. No.	State	Institute	Sub-Component
1	Andaman & Nicobar Islands	Dr. B.R. Ambedkar Institute of Technology, Pahargaon, Port Blair	1.1
2	Andhra Pradesh	A U College of Engg, Visakhapatnam, Andhra Pradesh	1.3
3	Andhra Pradesh	JNTU College of Engineering, Anantpur, Andhra Pradesh	1.3
4	Andhra Pradesh	JNTU College of Engineering, Kakinada, Andhra Pradesh	1.3
5	Andhra Pradesh	SVU College of Engineering, Tirupati, Andhra Pradesh	1.3
6	Arunachal Pradesh (CFTI)	NIT Arunachal Pradesh	1.1
7	Assam	Assam Engineering College, Kamrup	1.1
8	Assam	Assam Science & Technology University	1.2
9	Assam	Bineswar Brahma Engineering College, Kokrajhar	1.1
10	Assam	Dibrugarh University Institute of Engineering & Technology, Dibrugarh	1.1
11	Assam	Guwahati University Institute of Science & Technology, Assam	1.1
12	Assam	Jorhat Engineering College, Jorhat	1.1
13	Assam	Jorhat Institute of Science & Technology, Jorhat	1.1
14	Assam (CFTI)	IIIT Guwahati	1.1
15	Assam (CFTI)	IIT Guwahati	IIT
16	Assam (CFTI)	NIT, Silchar	1.3
17	Bihar	Aryabhatt Knowledge University, Bihar	1.2
18	Bihar	Bhagalpur College of Engineering, Bhagalpur	1.1
19	Bihar	Darbhanga College of Engineering, Darbhanga	1.1
20	Bihar	Gaya College of Engineering, Gaya, Sri Krishna Nagar	1.1
21	Bihar	Lok Nayak Jay Prakash Institute of Technology, Chapra	1.1
22	Bihar	Motihari College of Engineering, Motihari	1.1
23	Bihar	Muzaffarpur Institute of Tech, Muzaffarpur	1.1
24	Bihar	Nalanda College of Engineering, Chandi, Nalanda	1.1
25	Bihar (CFTI)	NIT, Patna	1.3
26	Chattisgarh	Chattisgarh Swami Vivekananda Technical University, Chattisgarh	1.2
27	Chattisgarh	Government Engineering College, Bilaspur	1.1
28	Chattisgarh	Govt Engineering College, Jagdalpur	1.1
29	Chattisgarh	Govt Engineering College, Raipur	1.1
30	Chattisgarh	Vishwavidyalaya Engineering College, Lakhanpur	1.1
31	Chattisgarh (CFTI)	NIT Raipur	1.3
32	Delhi	Delhi Technological University, NCT Delhi	1.3
33	Gujarat	Birla Vishwakarma Mahavidyalaya, Vallabh Vidyanagar, Gujarat	1.3
34	Gujarat (CFTI)	SVNIT, Surat	1.3
35	Haryana	Faculty of Engineering & Technology, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Haryana	1.3
36	Haryana	Faculty of Engineering & Technology, Guru Jambheshwar University of Science & Technology, Hissar, Haryana	1.3
37	Haryana	University Institute of Engineering and Technology (UIET), Kurukshetra University, Kurukshetra, Haryana	1.3

38	Haryana	YMCA Institute of Engineering, Faridabad, Haryana	1.3
39	Haryana (CFTI)	NIT Kurukshetra	1.3
40	Himachal Pradesh	Atal Bihari Vajpai Govt Institute of Engineering & Technology, Shimla	1.1
41	Himachal Pradesh	Himachal Technical University, Himachal Pradesh	1.2
42	Himachal Pradesh	Jawaharlal Nehru Govt. Engineering College, Sundernagar	1.1
43	Himachal Pradesh	Rajiv Gandhi Government institute of Engineering & Technology, Kangra	1.1
44	Jammu & Kashmir	Faculty of Engineering, Shri Mata Vaishno Devi University, Katra	1.1
45	Jammu & Kashmir	Govt. College of Engineering & Technology, Jammu	1.1
46	Jammu & Kashmir	School of Engineering & Technology, Baba Ghulam Shah Badshah University, Rajouri	1.1
47	Jammu & Kashmir	School of Technology, Islamic University of Science & Technology, Pulwana	1.1
48	Jammu & Kashmir (CFTI)	NIT Srinagar	1.1
49	Jharkhand	Birla Institute of Technology, Mesra Ranchi	1.1
50	Jharkhand	BIT, Sindri	1.1
51	Jharkhand	Chaibasa Engineering College, Chaibasa (formerly Techno India, Chaibasa)	1.1
52	Jharkhand	Dumka Engineering College, Dumka (formerly Techno India Dumka)	1.1
53	Jharkhand	Ramgarh Engineering College, Ramgarh (formerly Techno India Ramgarh)	1.1
54	Jharkhand	University College of Engineering and Technology (UCET), Vinoba Bhave University, Hazaribag	1.1
55	Jharkhand	Vinoba Bhave University, Hazari Bagh, Jharkhand	1.2
56	Jharkhand (CFTI)	ISM Dhanbad	1.3
57	Jharkhand (CFTI)	NIT Jamshedpur	1.3
58	Karnataka	Basaveshwar Engineering College, Bagalkot, Karnataka	1.3
59	Karnataka	BMS College of Engineering, Bangalore, Karnataka	1.3
60	Karnataka	BVB College of Engineering & Technology, Hubli, Karnataka	1.3
61	Karnataka	Dr. Ambedkar Institute of Technology, Bangalore, Karnataka	1.3
62	Karnataka	H.K.E.S's PDA College of Engineering, Gulbarga, Karnataka	1.3
63	Karnataka	Malnad College of Engineering, Hassan, Karnataka	1.3
64	Karnataka	National Institute of Engineering, Mysore, Karnataka	1.3
65	Karnataka	PES College of Engineering, Mandya, Karnataka	1.3
66	Karnataka	Sri Jayachamarajendra College of Engineering, Mysore, Karnataka	1.3
67	Karnataka	Visvesvaraya Technological University Karnataka	1.3 (ATU)
68	Karnataka (CFTI)	NIT Surathkal	1.3
69	Kerala	School of Engineering, Cochin University of Science of Technology, Cochin, Kerala	1.3
70	Kerala (CFTI)	NIT Calicut	1.3
71	Madhya Pradesh	Indira Gandhi Engineering College, Sagar	1.1
72	Madhya Pradesh	Jabalpur Engineering College, Jabalpur	1.1
73	Madhya Pradesh	Madhav Institute of Technology & Science, Gwalior	1.1
74	Madhya Pradesh	Rajiv Gandhi Proudyogiki Vishwavidyalaya, Madhya Pradesh	1.2
75	Madhya Pradesh	Rewa Engineering College, Rewa	1.1
76	Madhya Pradesh	Samrat Ashok Technological Institute, Engg. College, Vidisha	1.1

77	Madhya Pradesh	Shri G S Institute of Technology & Science, Indore	1.1
78	Madhya Pradesh	Ujjain Engineering College, Ujjain	1.1
79	Madhya Pradesh (CFTI)	IIT Indore	IIT
80	Madhya Pradesh (CFTI)	MANIT Bhopal	1.3
81	Maharashtra	BVB's Sardar Patel College of Engineering, Mumbai, Maharashtra	1.3
82	Maharashtra	College of Engineering, Pune, Maharashtra	1.3
83	Maharashtra	Department of Technology, Shivaji university, Kohlapur, Maharashtra	1.3
84	Maharashtra	Dr. Babasaheb Ambedkar Technological University, Lonere, Maharashtra	1.3 (ATU)
85	Maharashtra	Government College of Engineering, Jalgaon, Maharashtra	1.3
86	Maharashtra	Government Engineering College, Aurangabad, Maharashtra	1.3
87	Maharashtra	Govt College of Engineering, Karad, Maharashtra	1.3
88	Maharashtra	Institute of Chemical Technology, Mumbai, Maharashtra	1.3
89	Maharashtra	SGSS Nanded, Maharashtra	1.3
90	Maharashtra	University Department of Chemical Technology, North Maharashtra University, Jalgaon, Maharashtra	1.3
91	Maharashtra	VJTI, Matunga, Maharashtra	1.3
92	Maharashtra	Walchand College of Engineering, Sangli, Maharashtra	1.3
93	Maharashtra (CFTI)	IIT Bombay	IIT
94	Maharashtra (CFTI)	VNIT, Nagpur	1.3
95	Manipur	Manipur Technical University, Imphal	1.1
96	Manipur (CFTI)	IIIT Manipur	1.1
97	Manipur (CFTI)	NIT Manipur	1.1
98	Meghalaya (CFTI)	NIT Meghalaya	1.1
99	Mizoram (CFTI)	NIT Mizoram	1.1
100	Nagaland (CFTI)	NIT Nagaland	1.1
101	Odisha	Biju Patnaik University of Technology, Odisha	1.2
102	Odisha	CET Bhubaneswar	1.1
103	Odisha	Government Engineering College, Kalahandi	1.1
104	Odisha	Government Engineering College, Keonjhar	1.1
105	Odisha	IGIT Sarang	1.1
106	Odisha	PMEC Berhampur	1.1
107	Odisha	VSSUT Burla	1.1
108	Odisha (CFTI)	NIT Rourkela	1.3
109	Punjab	SLIET Longowal	1.3
110	Punjab (CFTI)	NIT Jalandhar	1.3
111	Rajasthan	College of Engg & Technology, Udaipur	1.1
112	Rajasthan	Govt Engg College, Ajmer	1.1
113	Rajasthan	Govt Engg College, Bharatpur	1.1
114	Rajasthan	Govt Engg College, Jhalawar	1.1
115	Rajasthan	Govt Mahilla Engg College, Ajmer	1.1

116	Rajasthan	Govt. College of Engg & Tech, Bikaner	1.1
117	Rajasthan	Govt. Engineering College, Banswara	1.1
118	Rajasthan	Govt. Engineering College, Bikaner	1.1
119	Rajasthan	MBM Engg College, Jodhpur	1.1
120	Rajasthan	MLV Textile & Engineering College, Bhilwara	1.1
121	Rajasthan	Rajasthan Technical University, Rajasthan	1.2
122	Rajasthan	University College of Engineering, RTU Kota	1.1
123	Rajasthan (CFTI)	MNIT Jaipur	1.3
124	Sikkim (CFTI)	NIT Sikkim	1.1
125	Tamil Nadu	Alagappa Chettiar College of Engg & Tech, Karaikudi, Tamil Nadu	1.3
126	Tamil Nadu	CIT Coimbatore, Tamil Nadu	1.3
127	Tamil Nadu	Government College of Engineering, Bargur, Tamil Nadu	1.3
128	Tamil Nadu	Govt College of Engineering, Salem, Tamil Nadu	1.3
129	Tamil Nadu	Govt College of Technology, Coimbatore, Tamil Nadu	1.3
130	Tamil Nadu	PSG College of Technology, Coimbatore, Tamil Nadu	1.3
131	Tamil Nadu	Thiagarajar College of Engineering, Madurai, Tamil Nadu	1.3
132	Tamil Nadu (CFTI)	NIT Trichy	1.3
133	Telangana	Jawaharlal Nehru Technological University, Hyderabad, Telangana	1.3 (ATU)
134	Telangana	JNTU College of Engineering, Hyderabad, Telangana	1.3
135	Telangana	JNTU Institute of Science & Technology, Hyderabad, Telangana	1.3
136	Telangana	University College of Engineering, Osmania University, Hyderabad, Telangana	1.3
137	Telangana (CFTI)	IIT Hyderabad	IIT
138	Telangana (CFTI)	NIT, Warangal	1.3
139	Tripura	Tripura Institute of Technology, Narsingarh	1.1
140	Tripura (CFTI)	NIT Agartala	1.1
141	UT-Chandigarh	PEC University of Technology, Chandigarh	1.3
142	UT-Chandigarh	University Institute of Chemical Engineering and Technology, Punjab University, Chandigarh	1.3
143	UT-Chandigarh	University Institute of Engineering and Technology, Punjab University, Chandigarh	1.3
144	UT-Puducherry	Pondicherry Engineering College, Puducherry	1.3
145	Uttar Pradesh	Bundelkhand Institute of Engineering & Technology, Jhansi	1.1
146	Uttar Pradesh	Dayalbagh Educational Institute (Deemed University) Dayalbagh, Agra	1.1
147	Uttar Pradesh	Dr. A P J Abdul Kalam Technical University, Uttar Pradesh	1.2
148	Uttar Pradesh	FET MJP Rohilakhand University, Bareilly	1.1
149	Uttar Pradesh	Harcourt Butler Technical University (Formerly HBTI), Kanpur	1.1
150	Uttar Pradesh	Institute of Engineering & Technology, Bundelkhand University, Kanpur Road, Jhansi	1.1
151	Uttar Pradesh	Institute of Engineering & Technology, Dr B R Ambedkar University, Khandari Agra	1.1
152	Uttar Pradesh	Institute of Engineering & Technology, Dr. RML Awadh University, Faizabad	1.1
153	Uttar Pradesh	Institute of Engineering & Technology, Lucknow	1.1
154	Uttar Pradesh	KNIT Sultanpur	1.1



155	Uttar Pradesh	MMM University of Technology, Gorakhpur	1.1
156	Uttar Pradesh	Rajakiya Engineering College, Azamgarh	1.1
157	Uttar Pradesh	Rajkiya Engg College Ambedkar Nagar	1.1
158	Uttar Pradesh	Rajkiya Engineering College Bijnor	1.1
159	Uttar Pradesh	Rajkiya Engineering College, Banda	1.1
160	Uttar Pradesh	Uma Nath Singh Institute of Engineering & Technology, VBS Purvanchal University, Jaunpur	1.1
161	Uttar Pradesh	Uttar Pradesh Textile Technology Institute, Kanpur	1.1
162	Uttar Pradesh (CFTI)	MNIT, Allahabad	1.3
163	Uttar Pradesh (CFTI)	ZHCET-AMU, Aligarh	1.3
164	Uttarakhand	BKTI Dwarahat	1.1
165	Uttarakhand	College of Technology Pantnagar	1.1
166	Uttarakhand	GBPEC Pauri Garhwal	1.1
167	Uttarakhand	Institute of Technology, Gopeshwar	1.1
168	Uttarakhand	Seemant Engineering Institute, Pithoragarh	1.1
169	Uttarakhand	THDC Engineering College, Tehri Garhwal	1.1
170	Uttarakhand	Uttarakhand Technical University, Uttarakhand	1.2
171	Uttarakhand	Women Institute of Technology, Sudhowala, Dehradun	1.1
172	Uttarakhand (CFTI)	NIT Uttarakhand	1.1
173	West Bengal	Dr Maulana Abul Kalam Azad University of Technology, West Bengal, (formerly West Bengal University of Technology, Kolkata)	1.3
174	West Bengal	Faculty of Engg & Tech - Jadavpur Univ, Jadavpur, West Bengal	1.3
175	West Bengal	University College of Technology-Calcutta University, West Bengal	1.3
176	West Bengal (CFTI)	IEST, Shibpur	1.3
177	West Bengal (CFTI)	IIT Kharagpur	IIT
178	West Bengal (CFTI)	NIT Durgapur	1.3