

No. F. 27-4/2016-17/Prog./53<sup>rd</sup> PAC  
Planning and Monitoring Division

Date: 26<sup>th</sup> April 2016

**Sub: Minutes of the 53<sup>rd</sup> Meeting of Programme Advisory Committee (PAC) of NCERT held on 21-22 March 2016**

Kindly find enclosed herewith the minutes of the 53<sup>rd</sup> Meeting of Programme Advisory Committee held on 21-22 March 2016.

These minutes have been duly approved by the Director.

Encl: As above

(M. Siraj Anwar)  
Prof. & Head, PMD

## **National Council of Educational Research and Training, New Delhi**

### **Minutes of the 53<sup>rd</sup> Meeting of the Programme Advisory Committee (PAC) of NCERT held on 21-22 March 2016**

The 53<sup>rd</sup> meeting of the Programme Advisory Committee (PAC) of National Council of Educational Research and Training (NCERT) was held on 21-22 March 2016 in 202, CIET, Chacha Nehru Bhawan, NCERT, New Delhi. The meeting was chaired by Prof. H. K. Senapaty, Director, NCERT. The list of persons who attended the meeting is placed at Appendix – I.

The meeting commenced with a word of welcome by Prof. M. Siraj Anwar, Head, PMD. He explained the members about the constitution and functions of PAC. He also briefed about the role and responsibility of the PAC that all the planned programmes have to be reported to the Executive Committee which is the governing body of the NCERT and Hon'ble Minister of HRD is the Chairperson of Executive Committee. He informed that PAC being the apex academic body of NCERT, its five external experts are nominated by the Hon'ble Minister of HRD, the Chairperson of Executive Committee. The Directors of five SCERTs in rotation are also nominated by the Hon'ble HRM. The tenure of the PAC is for three years. The other committees such as Departmental Advisory Boards, Institute Advisory Boards and Academic Committee are constituted by the Director as Chairperson of PAC. All the programmes recommended by DABs, IABs, Academic Committee and Management Committees are placed before PAC for final approval.

He informed that this year a total number of 459 programmes have been placed by different constituents of NCERT for consideration by PAC for the year 2016-17. Out of which 101 (22%) are research programmes, 120 (26.14%) are developmental programmes, 158 (34.42%) are training programmes and 80 (17.43%) are extension programmes. He added that apart from the above mentioned PAC programmes, one institutional research proposals '*Educational Research Survey Series I: Preparation of Surveys of Research on Some Identified Themes in Education*' has also been proposed by Dean (Research) in which faculty from different constituents units of NCERT will be involved. He mentioned that there is a significant increase in the number of research programmes proposed by the faculty of NCERT. A presentation on the constituent- wise programme proposal and the budget proposal was shown in the meeting.

In his opening remarks, Prof. H. K. Senapaty, Director, NCERT and Chairperson, PAC, welcomed the members and highlighted that NCERT is a unique organization in the country and cater to the needs of both schools and teacher education. He said that NCERT has eight constituents in different parts of the country doing various activities. The vision of NCERT should be holistic and integrated where Demonstration Multipurpose Schools should be given due importance. These DMSs were established with the purpose that innovative programmes and material developed by NCERT could be validated in these schools. Only then our innovative programmes can be implemented in other parts of the country. He pointed out that the RIEs being important constituents should be the best in the country. For this, we have to bring significant changes in the teacher training programmes. He further emphasized that

NCERT being an advisory body to the ministry, can carry forward its role only on the basis of some in-depth researches. If our advice is based on empirical researches only then it can have some impact on the policy decisions to be taken by the ministry or the state governments.

He informed the members that MHRD has entrusted a responsibility to NCERT to develop e-content from class I to class XII in all subjects. We should fulfill this responsibility within time and perfection as we have developed very good ICT labs in each RIE. Teachers of our schools have to be empowered so that they can also contribute in development of good material for e-content.

NCERT has been conducting training programmes for the last many years. This is the high time when we have to relook into these programmes and should try to introduce some innovations. The impact of our training programmes has to be assessed and we have to ascertain whether the stake holders have really benefited or not. Training is the continuous process and accordingly we should bring changes and improvement in the quality of the training programmes. Need assessment should be made an integral part of any training programme to be conducted by NCERT.

He appreciated the work done by CIET for development of e-Pathshala and the process of digitizing the books to make them available online to all children. He emphasised the need for integration of technology with content and pedagogy. He also appreciated the work done by PSSCIVE which has conducted lots of training programmes and developed material on different aspects of vocational education. He was of the opinion that skill development in vocational education should be given more emphasis as India has a very low percentage of skill development as compared to other countries. Some data base and research studies are needed on these aspects also.

Since NCERT is one unit, therefore all the institutes and departments should be aware about the work done by each other. The better cooperation and collaboration is needed for each programme done by any one unit. The MHRD has asked NCERT to conduct census based survey. The support of every unit will be required to complete this task on time. He also pointed out that NCERT has been asked to develop a roadmap for the SCERTs because without the changes and improvement in the functioning of these organisations, no changes or improvement can be brought into school education system. He said that, however, no compromise can be made on the quality of programmes as people are having high expectations from NCERT. The programme coordinators should involve themselves in the programmes academically and should not merely depend on the external experts.

As far as spending under 'Plan' fund is concerned, he requested that the mandatory provision of spending 20% and 10% of the allocated budget under the heads of SCP and TSP respectively should be adhered to by each institute/department/division of NCERT

Prof. B. K. Tripathi, Joint Director, NCERT and Vice-Chairperson, PAC, highlighted the mandate of NCERT for bringing qualitative improvement in school education in the country. The Government of India is in the process of framing New Education Policy in which in-put from NCERT is very important. He highlighted that every programme, whether

developmental or training, has some elements of research. But this aspect further needs improvement. So far NCERT has not explored to its full level the utility of DMS. The experiments done by NCERT in the area of school education and findings of our research studies should be implemented first in DMS. There is a need to create an environment for stimulating the DMS to become as model schools.

After that Prof. Saroj Yadav, Dean (Academics), made a presentation on the 'Evaluation of In-Service Training Programmes of NCERT'. This presentation was based on a quick research study carried out on the training programmes conducted by different constituent units of NCERT during the last three years i.e., 2012 to 2015. The implication of the findings of this study is crucial for conducting training programmes in future.

Prof. D. D. Misra, Chairman, Indian School of Mines, Dhanbad, the external expert of PAC, appreciated the efforts of NCERT, but did not make any specific remarks. He was of the opinion that when the programme proposals would be presented, then accordingly the suggestions and comments would be made programme-wise.

Prof. R. P. Tiwari, Vice Chancellor, Dr. Hari Singh Gaur Central University, Sagar, wanted to know if there is any internal mechanism for evaluation of NCERT programmes. He, however, appreciated the efforts for taking up a separate research for evaluating the utility of training programmes in the last three years. He also emphasized that there is a need to carry out an analysis of the impact of these programmes as how the benefit of these is being percolated down to the end user. He suggested that an in-depth study can be taken-up on this aspect.

Thereafter, the PAC took up the item-wise agenda for discussion. The details of the discussions are as under:

**Agenda Item No. 1: To confirm the minutes of the 52<sup>nd</sup> PAC meeting held on 26-27 March 2015**

*The minutes were confirmed.*

**Agenda Item No. 2: To report the Action Taken on the minutes of the 52<sup>nd</sup> PAC meeting held on 26-27 March 2015**

*The actions taken were noted.*

**Agenda Item No. 3: To Ratify the Programmes Approved by the Chairperson, PAC since the 52<sup>nd</sup> PAC meeting held on 26-27 March 2015.**

*The programmes were ratified.*

**Agenda Item No. 4: To Report the Minutes of AC, DABs, IABs and MCs**

*The minutes were noted.*

**Agenda Item No. 5: To Consider and Approve the Programme Proposals of NIE Departments/ Divisions/ Cells for 2016-17**

## **Programme of the Council**

Prof. A.K. Srivastava, Dean (Research), presented the following institutional programme:

### **Educational Research Survey Series I: Preparation of Surveys of Research on Some Identified Themes in Education**

*Approved*

## **Programmes of National Institute of Education (NIE)**

### **Department of Elementary Education (DEE)**

Prof. A. K. Rajput, Head, DEE presented the role, functions and achievements of the department during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**1.01: A Study of Availability of facilities for Pre-Primary Education in the Primary Schools of Some North Eastern States**

*Study needs to be reviewed and made comprehensive. Since data is not available, therefore, include some more states and modify accordingly.*

**1.02: Green School Practices under Education for Sustainable Development (ESD): A Case Study**

- *To be submitted to Chairman, PAC after review by Dean (R).*
- *Concept of Green School to be shared with DMS.*
- *Refer the manual on Green School developed by RIE, Bhopal.*

**1.03: A study on the effectiveness of Implementation of Multilingual Education (MLE) Programme in Jharkhand**

*Persons of Early Literacy of the department may be involved.*

**1.04: A Study of Factors affecting the implementation of Quality Improvement Initiative in terms of Achievement of its objectives in Madhya Pradesh**

- *Title may be changed as 'Study of Implementation of Quality Improvement Initiative in terms of Achievement of its objectives in Madhya Pradesh'.*
- *Quality factors may be assessed on the basis of NAS results.*

**1.05: Development of e-material in Teaching-Learning of Environmental Studies at the Primary Level**

**1.06: Development of e-material in Teaching-Learning of Mathematics at the Primary Level for Massive Online Open Course (MOOC).**

*Title may be changed as 'Development of e-material in Teaching-Learning of Mathematics at the Primary Level for Open Source'.*

- 1.07: Development and Testing of Comprehensive Early Childhood Education Kit**  
*The kit may be tried out.*
- 1.08: A Case Study on Implementation of Amendments, Guidelines and Clarifications Issued on RTE Act.**
- 1.09: Development of Mathematics Kit for Primary Stage.**
- 1.10: Development of content modules (both print and electronic) in Early Childhood Care and Education (ECCE)**
- 1.11: Publication of 'Firkee Bachchon Ki**  
*A copy may be circulated after publication to every Head of the Constituents of NCERT.*
- 1.12: Upvan: Compilation of poems as teacher resource material for primary stage**  
*Focus should be given to the children. If possible, contribution by children may be included.*
- 1.13: Community Participation and Social Mobilization under RTE Act 2009: An Awareness- cum-Training Programme within the Revised Framework of SSA**  
*Need Assessment may be conducted. Manual prepared by DEGSN on SMC may be taken into consideration.*
- 1.14: Orientation of State functionaries on Special Training under RTE Act 2009 for out of School children.**
- 1.15: Capacity Enhancement of Master Trainers on Early Literacy in English in Jammu and Kashmir.**  
*The expenditure on the programme may be shared by Jammu & Kashmir.*
- 1.16: Capacity Building of State level functionaries on implementing quality Early Childhood Education.**
- 1.17: National conference on Pedagogy and Practice in Early Childhood Education**  
*Title may be changed as 'National Consultation Meet on Pedagogy and Practice in Early Childhood Education'.*
- 1.18: National Seminar on Implementation of Amendments, Guidelines and Clarifications Issued on RTE Act, 2009.**  
*Title may be changed as 'National Consultation Meet on Implementation of Amendments, Guidelines and Clarifications Issued on RTE Act, 2009'.*
- 1.19: Academic Support to IIT Nursery School – An Experimental School of NCERT**
- 1.20: Publication of the Journal: 'The Primary Teacher'**  
*Articles may be collected from the participants of various programmes of NCERT.*
- 1.21: Publication of the Journal: 'Prathmik Shikshak'**  
*Articles may be collected from the participants of various programmes of NCERT.*
- 1.22: National Documentation Unit (NDU) for Preschool and Elementary Education - A Resource Centre**

## **Department of Education in Languages (DEL)**

Prof. K. C. Tripathi, Head, DEL presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 2.01 Development of e-content in languages for all stages of school education**
  - *Other languages being taught in RIEs to be included for development of e-content.*
  - *Concerned faculty from RIEs may be involved.*
- 2.02 Living Sanskrit: An Exploration into Sanskrit Villages of India**
- 2.03 An Anthology of literary materials in Hindi from other Indian Languages for the use of teaching-learning of language at Secondary Stage**
- 2.04 Development of syllabus and textual material in Language Education for Elementary Teacher Education Programme in Urdu**  
*Should be based on NCTE Framework.*
- 2.05 An anthology of Urdu short stories for children**  
*Create scope for adaptation in OER*
- 2.06 *Bhartiyea Bhashaon Mein Ekatmakta* - Dictionary of Indian languages**  
*To be uploaded on NCERT website also*
- 2.07 Development of on-line Certificate Course in Urdu Language Education.**
  - *The level and duration of the course to be specified.*
  - *Need assessment may be conducted before initiating.*
- 2.08 Capacity building of Master Trainers in Urdu language teaching with focus on emerging concerns for the Primary, Upper Primary, Secondary and Sr. Secondary Stages**
- 2.09 Capacity building of Master Trainers in Sanskrit language teaching at Upper Primary, Secondary and Higher Secondary Stages**
- 2.10 Capacity building of Master Trainers in English language teaching and focus on emerging concerns**
- 2.11 Capacity building of Master Trainers in Hindi language teaching with the focus on concerns such as language inclusive education, gender, values, environment, CCE and RTE for the Upper Primary to Senior Secondary Stage**
- 2.12 21-Days Refresher Course for Sanskrit Language Teachers**  
*May be organised for teachers at upper primary and secondary stages.*
- 2.13 Online course in English Language Education for in-service teachers**
- 2.14 National Conference on English language teaching-learning in rural areas and English as a medium of instruction.**

- 2.15 National Seminar on problems and prospects of the use of ICTs in the teaching learning of Hindi and Urdu in school education in India.**  
*Title may be changed as 'National Seminar on Problems and Prospects of the Use of ICTs in the Teaching Learning of Languages in School Education in India'.*
- 2.16 Celebration of Sanskrit Week**
- 2.17 National Seminar on multi-facet language skills**  
*Instead of National Seminar, may be organised as workshop on Multi-facet Language Skills*
- 2.18 Review of curriculum, syllabi and textbooks in Hindi, English, Urdu and Sanskrit languages developed as a follow up to NEP and NCF.**  
*Deferred*
- 2.19 Capacity building on Creative Writing and Translation for teachers**  
*Modify objectives as per training programme*
- 2.20 A study of English Language teaching and learning processes of CTSA Teachers oriented by NCERT**
- 2.21 A study of classroom processes of English language teaching on the bases of Input, Interaction and Output at the elementary stage**
- 2.22 Urdu translation of book entitled 'Pedagogy of Science and Pedagogy of Mathematics' Textbooks for B.Ed. Part I & II'. (4 titles)**
- 2.23 National workshop on translating school textbooks into Urdu: Concerns and Challenges.**

**General Suggestions:**

- *Follow up activities should be in-built in all the capacity building programmes.*
- *Duration of all training programmes need to be seen in view of the recommendations of the report of 'Evaluation of In-service Training Programmes of NCERT'.*
- *A programme related to development of Language Lab may be taken up.*

**Department of Education of Groups with Special Needs (DEGSN)**

Prof. Anupam Ahuja, Head, DEGSN presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 3.01: An Exploratory Study of Home Based Education practices**  
*Observations of Dean (R) to be incorporated and put up to the Chairperson, PAC for approval. May initiate only after the approval.*
- 3.02: Adaptation of Training Modules for master trainers for enhancing quality of education in schools at elementary stage in Scheduled Castes Concentrated Areas of Hindi Speaking States**



- 3.03: Finalisation of guidelines for inclusive pre-service teacher education degree programmes**
- 3.04: Training programme for State KRPs on quality of education at elementary stage in Scheduled Castes concentrated Blocks of States**  
*Need Assessment through Questionnaire may be conducted.*
- 3.05: Try out of the manual through training of Member Secretary of School Management Committees (SMCs) on Inclusive Education at Elementary Stage in ST concentrated states**
- 3.06: Meetings for Minority Cell and Activities of Minority Cell**
- 3.07: Printing of booklet "FAQ's on RTE Act with a Focus on Children with Special Needs"**  
*The cost of printing to be borne by Publication Division as it is a priced publication. Revise the budget accordingly*

## **Department of Gender Studies (DGS)**

Prof. Poonam Agrawal, Head, DGS presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 4.01: Translation of the Training Material for Teacher Educators on Gender Equality and Empowerment, Volume: I, II, III in Hindi.**  
*Material may be updated before translation.*
- 4.02 A Study of Ashram Schools of Chhattisgarh at Primary Stage from a Gender Perspective.**
- 4.03: Training Programme for KGBV Teachers from the Schedule Tribe (ST) concentrated Districts of the North Eastern States on Bridge Course and Teacher Training Package**  
*Material to be suitably modified taking into consideration the need of the stake holders.*
- 4.04: Capacity Building Programme for the Faculty of Colleges of Teacher Education on the Emerging Concerns of Gender, School and Society.**  
*Only government CTEs in identified districts may be taken up.*
- 4.05: Capacity Building Programme on the Emerging Concerns of Gender, School and Society for the Faculty of Colleges of Teacher Education with Concentration of Scheduled Caste Population of Punjab and Haryana.**
- 4.06 Capacity Building Programme on the Emerging Concerns of Gender, School and Society for the Faculty of Colleges of Teacher Education from Areas of Minority Concentration of Uttar Pradesh and Bihar.**  
*Title may be changed as 'Capacity Building Programme on the Emerging Concerns of Gender, School and Society for the Faculty of Colleges of Teacher Education in Minority Concentration Districts of Uttar Pradesh and Bihar'.*

## **Department of Education in Social Sciences (DESS)**

Prof. Neerja Rashmi, Head, DESS presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 5.01: A Study of Use and Integration of Geospatial Technology with Teaching-Learning of Geography at Higher Secondary Stage in Kerala and Delhi**
- 5.02: Learning economics in schools and modern approaches to teaching and learning: A study of schools affiliated to higher secondary examination boards in India**  
*Modify the proposal and submit to Dean (R) for suggestions*
- 5.03: A study on perception towards professional development of PGT Economics**
- 5.04: A study of Social Science Syllabus and Textbooks (Upper Primary to Higher Secondary Stage of different countries)**  
*Study may be taken up for equivalent stages of Upper Primary to Higher Secondary Stage in different countries.*
- 5.05: A Study of Students' and Teachers' Perception and Attitude towards Archaeology as a school Subject**
- 5.06: Economic Thinkers of Modern India**  
*Title may be changed as 'Development of Supplementary Material on Economic Thinkers of Modern India'.*
- 5.07: Supplementary Reading on Human Rights**  
*Title may be changed as 'Development of Supplementary Material on Human Rights'.*
- 5.08: Development of e-content in Geography for Secondary Stage**
- 5.09: Development of e-content in Economics for the Secondary Stage**
- 5.10: Development of e-content in History for Upper Primary Stage**
- 5.11: Development of e-content in Political Science for Upper Primary Stage**
- 5.12: Development of e-content in Political Science for Secondary Stage**
- 5.13: Development of e-content in History for Secondary Stage**
- 5.14: Development of e-content in Geography for Upper Primary Stage**
- 5.15: Capacity Enhancement Programme in Business Studies and Accountancy for Post Graduate Teachers of Commerce**  
*Instead of Capacity Enhancement in the title may be changed as 'Capacity Building'*
- 5.16: In-Service Education for Social Science Teachers working in Schools run by Scheduled Caste and Scheduled Tribe Welfare Departments in Chhattisgarh, Telangana and Tamil Nadu**  
*Instead of In-Service Education, title may be changed as 'Capacity Building'*

- 5.17: Content-cum-Pedagogy Enrichment Programme for TGTs / PGTs (Political Science) about Dynamics of Democracy in India**
- *Instead of Content-cum-Pedagogy Enrichment, title may be changed as 'Capacity Building' Programme*
  - *Programme may be organised at higher secondary level only.*
- 5.18: National Seminar on Research on Social Sciences Classroom Practices in Indian Schools**  
*Instead of Classroom Practices in Indian Schools title may be changed as 'National Seminar on Research on Social Sciences Education'*
- 5.19: Development of a Trilingual Dictionary of Sociology for Schools (English-Hindi-Urdu)**
- 5.20: Development of e-learning in Geospatial Technology for enhancing geo-spatial skills in teaching-learning of geography**
- 5.21: Use of Role play as a Pedagogical tool to enhance learning in Social Sciences**
- 5.22: Development of An Atlas of Indian History for Schools.**
- *Programme Co-ordinator to report the progress made so far.*
  - *Discuss further course of action with Dean (A)*
- 5.23: Development of Exemplar material in Economics for Students with Visual Impairment (Secondary and Higher Secondary Stage)**  
*To be completed within the time period.*
- 5.24: A Study of Commerce Education at the Higher Secondary Stage in the North Eastern Region**
- 5.25: Preparation of Textbook on Health and Physical Education at Secondary Stage**
- 5.26: Preparation of Teacher Guide on Health and Physical Education at Upper Primary Stage**
- 5.27: An Evaluation Study of the National Population Education Project**
- 5.28: Development of materials in Population Education and Adolescence Education**
- 5.29: Interactive Workshops for Senior level officials and National & State Resource Persons in Population Education and Adolescence Education**
- 5.30: National Project Progress Review Workshops of National Population Education Project (NPEP) and Adolescence Education Programme (AEP)**
- 5.31: Organisation of Life Skill Development based Activities on Population and Adolescence Education**

**General Suggestion:**

*The Vice Chancellor offered to provide resources for training programme for Yoga Education.*

## **Department of Education in Science and Mathematics (DESM)**

Prof. A. K.Wazalwar, Head, DESM presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**6.01: Study of the Syllabi and Textbooks in Science and Mathematics at the Upper Primary and Secondary Stages across the Country from the perspective of Conceptual Depth**

**6.02: Promoting Quality Learning in Science at Upper Primary Level in Scheduled Tribe (ST) Dominated Districts of Chhattisgarh: A Framework.**

**6.03: A Study of Utilization of Science Kits in Schools at Upper Primary and Secondary Stages**

*Children with disability may also be included in the study*

**6.04: A Study of Upper Primary Mathematics Kits in Schools in Delhi of Learning Outcomes**

*Title may be made similar to 6.02 as 'A Study of Utilisation of Mathematics Kits in Schools of Delhi'.*

**6.05: A Study of Use of Microscale Chemistry Kit Developed by NCERT for the Higher Secondary Schools of Delhi**

**6.06: A Study of Classroom Practices of Science Teaching to Children with Special Needs (CWSN) Studying in Elementary Schools of Delhi**

*Title may be changed as 'A Study on Science Teaching with reference to Children with Special Needs Studying at Elementary Schools'.*

**6.07: Development of Kit based on "Handbook on Understanding Science through Activities, Games, Toys and Art forms at Upper Primary and Secondary Stages**

**6.08: Identification of concepts for designing the progression of common core concepts in Science at Upper Primary and Secondary Stages**

**6.09: Identification of concepts for designing the progression of common core concepts in Mathematics at Upper Primary and Secondary Stages**

**6.10: Development of Audio-video material for Activities in Mathematics at Upper Primary and Secondary Stage (Hindi Version).**

*Dubbing in Hindi may be done in collaboration with CIET.*

**6.11: Development of Audio-Video Materials on Experiments/Activities in Science at Secondary stage**

- *Original programme may be prepared in Hindi.*
- *The activities may be made interactive.*
- *CIET may be consulted.*

**6.12: Web Conversion of Certificate Programme for Teaching of Elementary Science (CTES)**

**6.13: Development of e-Resources in Science at Upper Primary Stage**

- 6.14: Development of e-Resources in Mathematics at Upper Primary Stage**
- 6.15: Development of e-Resources in Mathematics at Secondary Stage**
- 6.16: Development of e-Resources in Mathematics at Higher Secondary Stage**
- 6.17: Development of e-Resources in Physics at Higher Secondary Stage**
- 6.18: Development of e-Resources in Chemistry at Higher Secondary Stage**
- 6.19: Development of e-Resources in Science at Secondary stage.**
- 6.20: Development of e-Resources in Biology at Higher Secondary Stage**
- 6.21: Capacity Building of Key Resource Persons in Science at Upper Primary Stage from Educationally Backward Blocks of Bihar and Jharkhand.**
- 6.22: Capacity Building of Key Resource Persons in Teaching-Learning of Mathematics at Upper Primary Stage from Minority Concentration Districts of Uttar Pradesh.**
- 6.23: Capacity Building of Key Resource Persons in Science at Secondary stage from Left Wing Extremism (LWE) Affected Areas.**  
*Title may be changed as 'Capacity Building of Key Resource Persons in Science at Secondary Stage from ST Dominated Areas'*
- 6.24: Capacity Building of Key Resource Persons (KRPs) of SC Dominated Areas on Micro Scale Chemistry Kit at Higher Secondary Stage.**  
*'On the use' of Micro Scale Chemistry Kit at Higher Secondary Stage may be added in the title.*
- 6.25: Capacity Building of Key Resource Persons on the use of Biology Kit at Higher Secondary Stage.**
- *Only one State may be identified to be specified.*
  - *Each RIEs may take up one programme in their respective region.*
  - *Follow-up activity to be taken up*
- 6.26: Capacity Building of Teacher Educators in Pedagogy of Physical Science**  
*Take-up two or three states only and 15 from each state can be invited*
- 6.27: School Science – A Quarterly Journal**
- 6.28: State Level Science, Mathematics and Environment Exhibitions (SLSMEE) for Children**
- 6.29: 43<sup>rd</sup> Jawaharlal Nehru National Science, Mathematics and Environment Exhibition (JNNSMEE) for Children-2016**
- 6.30: Centre for Popularization of Science**  
*Methodology to be changed to include 'Germ plasm of selected species to be stored and maintained.*
- 6.31: Resource Centre in Science and Mathematics Education**
- 6.32: National Conference on Ancient Indian Knowledge: Science, Society and Technology**  
*Title may be changed as 'National Conference on Ancient Indian Knowledge: Science and technology'.*

## **RMSA Project Cell**

Prof. Ranjana Arora, Head, RMSA Project Cell presented the role, functions and achievements of the department during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**7.01: Follow up study of the Capacity Building Programmes in Science and Mathematics conducted by the NCERT**

**7.02: Capacity Building for Paper Setting at Secondary Level in All Subject Areas**

**7.03: Capacity building of secondary stage teachers belonging to SC and ST concentrated blocks of Jharkhand and Chhattisgarh on Project Based Learning in Science and Social Sciences**

*RIE, Bhopal and RIE, Bhubaneswar may also be involved*

## **Education Survey Division (ESD)**

Prof. Y. Srikanth, Head, ESD presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**8.01: A Study of the effectiveness of the RTE and RMSA provisions in the Schools in Tribal Area**

**8.02: Analytical Study of Syllabus, Design, Blue Print, Question Paper and Public Examination Result of Boards of School Education at Secondary Stage in Key Curricular Areas of Language, Mathematics, Science and Social Science.**

**8.03: Analytical Study of the Syllabus, Question Paper Design, and the Public Examination Result of Boards of School Education at the Higher Secondary Stage in the Curricular Areas of Mathematics, Physics, Chemistry, and Biology in the Science Stream and History, Political Science, Geography and Economics in the Social Sciences Stream.**

*Commerce and Sociology may also be included*

**8.04: National Achievement Survey at the End of Class V (Fifth Cycle)**

*To be funded under PAB*

**8.05: Assessment of Learning Levels of Students at Secondary Stage (Class X) – Cycle 2**

*To be funded under PAB*

**8.06: National Achievement Survey at the End of Class III**

*To be funded under PAB*

**8.07: National Achievement Survey at the End of Class VIII (Fourth Cycle)**

*To be funded under PAB*

- 8.08: Planning for 9<sup>th</sup> All India School Education Survey (AISES)**  
*Time frame to be fixed for completing the survey on time*
- 8.09: Development of Item Bank for National Achievement Survey at the End of Class III and Class V**
- 8.10: Capacity Building Programmes for State Educational Institutions in Conducting Educational Surveys and Assessment Practices (Four Programmes)**
- 8.11: Skills - Enhancement ‘Workshop’ on Use of Case Studies and Activities for Post Graduate Teachers and Teacher Educators of Economics**  
*Dropped*
- 8.12: Conduct of Nurturance Programmes for NTS Awardees**
- 8.13: Implementation of the National Talent Search Scheme**  
*To be funded by MHRD*

### **Department of Teacher Education (DTE))**

Prof. B. P. Bharadwaj, Head, DTE presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 10.01: A Study of SCERTs/SIEs and DIETs for Strengthening their Functioning and Performance**  
*Title may be changed as ‘A Study of the performance of SCERTs and DIETs with reference to their Goals and Objectives.’*
- 10.02: Publication of (i) Journal of Indian Education (JIE) and (ii) *Bhartiya Adhunik Shiksha (BAS)***  
*Also make it as an online journal.*
- 10.03: Development of Book on Becoming Reflective Teacher**  
*As it is a priced publication, printing cost to be borne by the Publication Division, revise budget accordingly.*
- 10.04: Enrichment Programme for Teacher Educators at Elementary Level on Pedagogical Content Knowledge (PCK) in Mathematics**
- 10.05: Capacity building programme for Elementary Teacher Educators in Effective organisation of Internship Programmes**  
*To be conducted both for secondary and elementary level.*
- 10.06: Professional Development Course-Orientation-cum-Refresher Course for NCERT faculty**
- 10.07: Professional Development Course-Orientation-cum-Refresher Course for SCERTs/SIEs and DIETs faculty**
- *May be conducted for three weeks*
  - *Need assessment may be done prior to initiating the course*

**10.08: Conference of Directors of SCERTs/SIEs**

*The recommendations of the earlier conferences may be compile and uploaded on NCERT website.*

**10.09: All India Competition on Innovative Practices and Experiments in Education for Schools and Teacher Education Institutions**

*Identified best practices may be printed and disseminated for policy implications.*

**10.10: Capacity Building Programmes for Teacher Educators for SC concentrated districts of different states on Emerging Issues in Teacher Education**

*States need to be specified where programme is to be conducted*

**10.11: Factors influencing Teacher Motivation**

*Research proposal to be modified and submit to Dean (R)*

**10.12: Functioning and Achievements leading to Quality Enhancement of DIETs in North Eastern Region-An Evaluative Study**

**General Suggestions:**

- *Propose a programme to propagate the innovative programmes conducted to educate schools and teacher training institutions*
- *Duration of all training programmes need to be seen in view of the recommendations of the report of 'Evaluation of In-service Training Programmes of NCERT'.*
- *Propose a programme to propagate the innovation in schools and teacher education institutions.*

**Department of Educational Psychology and Foundations of Education (DEPFE)**

Prof. Anjum Sibia, Head, DEPFE presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**11.01 A Study of Implementation of Guidance and Counselling Services by Teachers Trained by NCERT**

**11.02 Updating of Study Material of the Diploma Course in Guidance and Counselling**

*The curricula component may be changed as per the need.*

**11.03 Development of e-Resources in Psychology at Senior Secondary Stage**

*Material may be shared with the RIEs.*

**11.04 Enrichment Programme for Teacher Counsellors in Guidance and Counselling**

**11.05 Diploma Course in Guidance and Counselling (Distance/Online and Face-to-Face)**

*Fee to be connected from the applicants as it is a self finance course.*



- 11.06 Capacity Building of Teachers in Guidance Working in SC, ST Concentrated Areas**  
**11.07 Strengthening the Distance Phase of the Diploma Course in Guidance and Counselling through Online Support**  
**11.08 National Library of Educational and Psychological Tests (NLEPT)**

### **Division of Educational Research (DER)**

Prof. A. K. Srivastava, Head, DER presented the role, functions and achievements of the department during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 12.01: Organisation of Research Writing Workshop for NCERT faculty**  
**12.02: Organization of Web Publication of Researches on School Education**  
**12.03: Organization of Online Course on Action Research in Education**  
**12.04: Capacity Building of DIET Faculty & Elementary School Teachers in Conducting Action Research**
- *Only DIET faculty need to be invited.*
  - *Need assessment to be done before conducting the programme.*
- 12.05: Research Methodology Workshop for DIET/ SCERT and NCERT Faculty**  
**12.06: NCERT Doctoral Fellowships-2016**  
**12.07: NCERT Research Associateship (Educationists'/Researchers' Pool Scheme)**
- *Candidates having Ph.D. in any subject areas related to school education may be considered.*
  - *Candidates may be asked to submit concept paper related to school education before considering their application.*
- 12.08: Publication of *Indian Educational Review***  
**12.09: Organizing ERIC Activities: SPMC and General Body Meetings of ERIC, and Release of funds for Approved ERIC Projects**

### **International Relations Division (IRD)**

Prof. M. Siraj Anwar, Head, PMD, on behalf of Head, IRD, presented the role, functions and achievements of the department during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 19.01: General Body Meeting of the National Development Group (NDG) in the context of APEID (Asia Pacific Programme of Educational Innovations for Development)**  
**19.02: Development of a Vision Document of IRD.**

## **Library and Documentation Division (LDD)**

Dr. Moortimattee Samantaray, Head, LDD presented the role, functions and achievements of the department during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**20.01: Meeting of Professional Library staff of NIE and its Constituent Libraries**

**20.02: Try-out of the manual among school librarians/Incharge Libraries of KVS/NVS/APS/AERC Schools/Railway Board Schools**

*First obtain the feedback from the participants only after that conduct the programme after getting.*

**20.03: Information Literacy Programme for the users of NCERT**

## **Planning and Monitoring Division (PMD)**

Prof. M. Siraj Anwar, Head, PMD presented the role, functions and achievements of the department during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**21.01: A Study of No-Detention Policy in the Northern States of India**

**21.02: Preparation of Annual Reports**

**21.03: Review and Finalization of Course Material on *Application of Mathematics and Statistics in Economics***

**21.04: Training of DIET Faculty in Project Planning, Implementation, Monitoring and Evaluation**

**21.05: Capacity Building of PGT (Economics) on '*Application of Mathematics & Statistics in Economics*'**

**21.06: Development of a Training Package on Educational Project Planning, Implementation, Monitoring and Evaluation**

## **Department of Education in Arts & Aesthetics (DEAA)**

Prof. Pawan Sudhir, Head, DEAA presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**23.01: A study to assess the competency level of Music Teachers (Vocal & Instrumental) at the upper primary and secondary stage (VI – X)**

**23.02: Translation of the 'Training Package on Arts Education for Primary Teachers' in Hindi and Urdu**

**23.03: Development of Online Courses for Arts Appreciation**

**23.04: Capacity Building Programme for Master Trainers on Art Integrated Learning**  
*Need assessment and follow-up study may be included the programme.*

**23.05: Professional Development programme in Music and Visual Arts for Master Trainers**

**23.06: Resource Centre for Arts and Crafts**  
*Kala Utsav will be part of this programme under RMSA*

### **Division of Educational Kits (DEK)**

Prof. R. K. Parashar, Head, DEK presented the role, functions and achievements of the department during 2015-16 and the new programme proposal for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**24.01: Development of Hindi version of manual of higher secondary Mathematics kit.**

**24.02: Development of Hindi version of manual of higher secondary Chemistry kit.**

**24.03: Development of Hindi version of manual of higher secondary Physics kit.**

**24.04: Development of Hindi version of manual of higher secondary Biology kit.**

**24.05: Orientation of Key Resource Persons of SCERTs/SIEs/RMSA/SSA (belonging to SC dominated areas) and other institutions on preparation and use of Science and Mathematics Kits**

**24.06: Orientation of Key Resource Persons of SCERTs/SIEs/RMSA/SSA (belonging to ST dominated areas) and other institutions on preparation and use of Science and Mathematics Kits**

**24.07: Development of Urdu version of manual of Upper Primary Science kit.**

*To be transferred to DEL*

### **Item No. 6: To Consider and Approve the Programme Proposals of Regional Institutes of Education (RIEs) for 2016-17**

#### **Regional Institute of Education, Ajmer**

Prof. V. K. Kakaria, Principal, RIE, Ajmer presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**15.01: Qualitative Analysis of Pupil's Errors in Languages and Social Sciences at Class X Level**

**15.02: A comparative study on Learning Outcomes of Functional Academics of Children with Special Needs in Inclusive school and Special school**

*Not revised as per suggestion in the research methodology workshop, therefore, submit to Dean (R) for examination after proper modification.*

**15.03: Effectiveness of Concept Mapping to facilitate learning of Science at secondary level**

- *Re-submit to Dean (R) for Suggestion.*
- *Tool development should be done internally by PI and Team members.*

**15.04: A Study of the Effectiveness of the In-service Education for Teachers (INSET) Programmes for Science Teachers organized by the States of Northern Region of India**

- *Re-submit to Dean (R) for Suggestion.*
- *Tool development should be done internally by PI and Team members.*

**15.05: An Exploratory Study on learning difficulties in Mathematics classroom at Upper Primary Stage.**

- *Re-submit to Dean (R) for Suggestion.*
- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**15.06: The Efficacy of Home Language(s) in Schooling of Tribal Children at Primary Stage in Rajasthan**

- *Home language background aspect should be taken care of.*
- *Development of research tools and analysis and interpretation date to be done internally*
- *Only one workshop may be conducted for the vetting of tools.*

**15.07: Development of e-content in Science at Secondary stage**

- *DESM, NIE may be consulted before initiating the programme.*
- *All the e-content development programmes of all RIEs should be taken up with the main proposal of laboratory development programme of CIET.*

**15.08: Environmental Education theme park for strengthening school education programmes and sensitizing of school children for generating environmental awareness**

**15.09 Development of digital interactive e-book of Mathematics Class VIII textbook with ePub3- Part-1 (8 Chapters)**

*To be merged with CIET programme.*

**15.10: Muskurata Bachpan; An early child care Education (ECCE) programme of one year at RIE, DMS, Ajmer**

- *Programmes of all RIEs should be similar.*
- *Objectives to be revised.*

**15.11: Capacity building Programme in Chemistry at Senior Secondary level.**

**15.12: Capacity Building of KRPs of Minority concentrated districts in Teaching of Science with Special Reference to Projects in Science at Secondary level.**

**15.13: Capacity Building of KRPs of SC dominated areas for promotion of ICT in teaching of Science at Elementary level.**

**15.14: Capacity building of KRPs of SC dominated areas in teaching Physics using multimedia for improving learning outcomes of the students at Senior Secondary Level**

**15.15: Capacity building of KRPs of ST dominated areas in teaching Chemistry using multimedia for improving learning outcomes of the students at Senior Secondary Level**

**15.16: Capacity building of Prospective Teachers on Art and Aesthetics to Strengthen Comprehensive Education**

*This is an integral part of Pre-service B.Ed. programme.*

**15.17: Capacity Building in Action Research of Teacher Educators from DIET's located in Minority Concentration Districts for the States of Himachal Pradesh, Punjab and Delhi.**

**15. 18:** "हरियाणा राज्य के एस सी बहुल क्षेत्र के उच्च प्राथमिक स्तर के हिन्दी के मुख्य संदर्भ व्यक्तियों का क्षमता संवर्धन (कैपेसिटी बिल्डिंग) प्रशिक्षण

- *Include the state of Punjab for representing SC dominated areas.*
- *Leading Indicators to be taken care of.*

**15. 19: Capacity Building of KRPs of SC dominated areas of the States of UP, Punjab and Haryana for the promotion of ICT in teaching of Science at Secondary level**

**15.20: Expression Series on Eminent Personalities**

**15. 21: National Conference on Science Education**

**15.22: Extension Lectures of Eminent Educationists**

**15.23: State Coordination Committee Meetings**

*No need to propose as a PAC programme*

#### **General Suggestion:**

- *All the research proposals of RIEs are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for suggestions. Unless properly revised and modified, programmes cannot be initiated by PI.*
- *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*

#### **Regional Institute of Education (RIE), Bhopal**

Prof. K. K. Khare, Principal, RIE, Bhopal presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**16.01: Effectiveness of ICT integrated learning material on achievement in science at secondary level**

**16.02: Analytical Study of "Prathibha- Parv" organized by School Education Department, Govt. of MP**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.03: A Study of Common Mistakes in Mathematics committed by students of Upper Primary Level**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.04: A study to assess the problems of non-Marathi students studying in Marathi medium schools of Maharashtra (with special reference to secondary school**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.05: An Analytical Study of Role Efficiency of Physics Teachers and School Organizational Climate at Senior Secondary Level**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.06: A Study to assess the impact of teacher trainings conducted by DIETs on teaching of Gujarati in the state of Gujarat**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.07: A study of mistakes in the context of English Language Learning at Secondary Level**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.08: A Study on the Effectiveness of ICT Mediated Performance Based Learning Material (PBLM) on Achievement in Mathematics**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.09: A Study of the Status of Inclusive Education in Teacher Educations Curriculum of the States/UTs of Western Region**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.10: Effectiveness of existing practical work in learning physics at higher secondary level**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.11: A study to assess the understanding of social science concepts in secondary school students**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.12: Study on Girl School Enrolment in Dhar and Jhabua districts of MP (ST dominated)**

- *Secondary data is available, therefore, modify the programme.*
- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.13: Study of Innovative Teaching - Learning Practices in Science at Secondary Stage**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.14: Identification of a Village and Studying the Socio-cultural Effects/ Status on Education and providing Community Experience to Students**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.15: Content analysis of NCERT social science text books depicting cultural diversity and perceptions of CBSE Students on Issues of multiculturalism in India- A Study**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*
- *Faculty of DESS, NIE may also be involved*

**16.16: Documenting and Enhancing the Best practices in teacher education programmes of Maharashtra- A Survey**

*Title may be modified as 'Documenting and Strengthening the Best practices in teacher education programmes of Maharashtra- A Survey'.*

**16.17: A study to identify, construct and experiment inexpensive teaching learning material in physics at higher secondary level.**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**16.18: Development of the Institutional Repository for RIE Bhopal**

**16.19: Development of videos on various aspects of minority education**

*Dropped*

**16.20: Documentation of Educational Researches carried out at Regional Institute of Education, Bhopal**

*To be merged with the programme no. 16.18*

**16.21: Development of Science Park**

**16.22: Orientation of Senior Secondary Chemistry teachers to develop the skill of integrating chemistry theories with experiments**

**16.23: Developing ICT integrated Teaching- Learning Materials on Gujarati Language and Training to KRPs.**

**16.24: Orientation of teachers and teacher educators of elementary and secondary level on gender issues in education**

- *Involve DGS Faculty*
- *Change the objectives and redesign the methodology.*

**16.25: Capacity Building of Teacher Educators on Curriculum Development**

**16.26 Training of Teacher Educators of Western Region on Techniques of using Digital Libraries.**

**16.27: Short term course on pedagogy of mathematics at elementary stage**

**16.28: Opening of ECE Centre at RIE, Bhopal and Studying the Impact of Thematic Approach in terms of Various Developments of the Children**

- *Programmes of all RIEs should be similar.*
- *Objectives to be revised.*

**16.29: Training of Secondary Science Teachers to develop the skill to use Constructivist Pedagogy in classroom situations.**

**16.30: Training of KRPs of Inclusive Education on Dealing with Different Categories of Special Needs Children.**

*Title may be changed as 'Training on Dealing with Different Categories of Special Needs Children on Inclusive Education'.*

**16.31: Training programme of secondary science teachers on conducting experiments of science using secondary science lab kit**

- *Title may be changed as 'Training programme of secondary science teachers on science kit'.*
- *To be recorded and added in e-content*

**16.32: Training on SPSS and Research methodology**

- *Title may be changed as 'Training on Research methodology and data analyses.*
- *One training programme for NCERT faculty including PSSCIVE may be organised on data analysis*

**16.33: Training of Hr. Sec. Chemistry Teacher of the state of MP & CG on the use of micro scale chemistry laboratory**

*Title may be changed as 'Training of Hr. Sec. Chemistry Teacher of the state of MP & CG on the use of micro scale chemistry kit'.*

**16.34: Training of KRPs on "Education for peace" at secondary level from SC/ST dominated areas**

**16.35: Training of Teachers working in tribal dominated area on innovative pedagogy of Mathematics.**

*The programme may be organized for Scheduled Tribe dominated areas.*



**16.36: Organization of Extension Lecture Series.**

**16.37: National Seminar on Edification for Sustainable Development**

- *Title may be changed as National Seminar on Education for Sustainable Development*
- *Specific objectives may be revised.*

**16.38: Organization of 'Expression Series' to Commemorate the Life and Works of the Great Indian Thinkers and other Important Events.**

*Some eminent personalities from the respective regions may be included for commemoration*

**16.39: National Seminar on Minority Education in India**

*Title may be changed as 'National Seminar on Education of Minorities in India'.*

**16.40: National Seminar on innovative practices in language Teaching (Hindi, English, Urdu, Gujarati, Marathi and Sankrit**

*Title may be changed as National Seminar on Language Education'*

**16.41: Development of training package on promotion of fitness through Yoga and indigeneous activities for teachers and teacher educators at secondary levels**

*Instead of indigeneous activities, indigeneous practices may be included in the title*

**General Suggestion:**

- *All the research proposals of RIEs are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for suggestions. Unless properly revised and modified, programmes cannot be initiated by PI.*
- *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*
- *Methodology of all research proposals may be modified as per the requirement of each individual programme*

**Regional Institute of Education, Bhubaneswar**

Prof. B. K. Parida, Dean of Instructions, RIE, Bhubaneswar presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**17.01: Impact of RMSA on School Improvement at Secondary Level in Jharkhand**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**17.02: Gender-Sensitivity and Responsiveness of Secondary Schools in Odisha-An Analysis**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

- 17.03: Study of Pre-Primary Education in Odisha and West Bengal**  
*This may be clubbed with the programme of DEE, NIE and PC may be a member of the DEE programme.*
- 17.04: Impact of Multicultural School Exposure Programme on Development of Teacher Efficacy and Identity among Pre-Service Teachers**
- 17.05: Study on Attainment of Learning Objectives in Mathematics for Class-V**  
*Instead of 'objectives' in the title 'outcome' may be used.*
- 17.06: Effectiveness of Mathematics Kits at Secondary Level in Odisha**
  - *Instead of 'effectiveness' in the title 'use' may be incorporated.*
  - *May consult with DEK and Dean (R).*
- 17.07: Functioning of Libraries of Government Schools in Odisha: An Exploratory Study**
- 17.08: Green Education: Exploration of Local Biodiversity (Plants) used for Games and Joy by Children in Tribal Schools of Odisha**  
*Objectives may be revised to include the use in teaching-learning process*
- 17.09: Development of Three-Year Integrated M.Sc. M.Ed. Life Science Teacher Education Programme**
- 17.10: Development of pre-service teacher education curriculum at secondary level for the state of Jharkhand**  
*SCERT, Jharkhand may be included*
- 17.11: Development of Herbal (Medicinal) Plants Garden for Pre-service students of RIE, Bhubaneswar**
- 17.12: Development of model question bank for effective implementation of CCE at elementary level**
  - *Dropped.*
  - *May organise a training programme on effective implementation of CCE at elementary level and the training package developed by DEE may be used.*
- 17.13: Development of Three-Year Integrated B.Ed. M.Ed. Teacher Education Programme**
- 17.14: Content-cum-Pedagogy Enrichment Programme in English for Secondary Teachers of West Bengal**  
*Instead of 'Content-cum-Pedagogy Enrichment', 'Capacity Building Programme' may be used in the title.*
- 17.15: Content-cum-Pedagogy Enrichment Programme for Master Trainers in Biology at Higher Secondary Stage for A&N Islands**
  - *Instead of 'Content-cum-Pedagogy Enrichment', 'Capacity Building Programme' may be used in the title.*
  - *DESM, NIE may be included in the programme.*

**17.16: Content-cum-pedagogy enrichment programme in Bengali for PGTs of A &N Islands**

*Instead of 'Content-cum-Pedagogy Enrichment', 'Capacity Building Programme' may be used in the title.*

**17.17: Capacity Building of Block and District Level Education Officers on Management and Leadership for the State of Jharkhand**

*Dropped*

**17.18: Orientation of Block and District Level Education Officers on Academic Leadership for the State of West Bengal**

*Dropped*

**17.19: Training on Inclusive Education for Christian Minority Elementary School Teachers of Odisha**

*Dropped*

**17.20: Content-cum-Pedagogy Enrichment Programme for PGTs in Mathematics of A&N Islands**

*Instead of 'Content-cum-Pedagogy Enrichment', 'Capacity Building Programme' may be used in the title.*

**17.21: Training on Use of Mathematics Kit at Secondary Stage for KRPs of Bihar, Jharkhand, and West Bengal**

- *Dropped.*
- *Training programme for Jharkhand state may be conducted by DEK.*

**17.22: Development of Training Package on Computer Aided Learning for Computer Teachers at Secondary Level**

*Convert it as a training programme and use ICT package developed by CIET for the programme.*

**17.23: Training of State Level Resource Persons for Planning and Implementation of Continuing Professional Development (CPD) Programme for Teachers**

- *Dropped.*
- *Convert it as a training programme on emerging issues.*

**17.24: Training of Key Resource Persons of Bihar on School Readiness**

**17.25: Effective Pedagogical Strategies in Teaching English Language at Secondary Level for Teachers of SC/ST dominated areas of Bihar**

*Instead of 'Content-cum-Pedagogy Enrichment', 'Capacity Building Programme' may be used in the title.*

**17.26: Training of Key Resource Persons on Action Research**

**17.27: Training for Enriching Pedagogical Content Knowledge of Science Teachers of Ashram Schools**

*Instead of 'Enriching Pedagogical Content Knowledge', 'Capacity Building Programme' may be used in the title.*

**17.28: Blossoming Infancy (ECCE Centers in Demonstration Multipurpose School)**

**17.29: Extension Lecturer Series**

**17.30: National Rural & Tribal Youth Convention**

**General Suggestion:**

- *All the research proposals of RIEs are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for suggestions. Unless properly revised and modified, programmes cannot be initiated by PI.*
- *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*
- *Methodology of all research proposals may be modified as per the requirement of each individual programme.*
- *A separate programme under 'Expression Series' may be proposed.*

**Regional Institute of Education, Mysore**

Prof. V. D. Bhatt, Dean of Instructions, RIE, Mysore presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

**18.01: A study of effective implementation of PINDICS in southern states/UTs of India**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**18.02: A study on school standards implemented in Tamil Nadu State**

*Dropped*

**18.03: Study of Pre-Primary Education in the Southern States of India**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

**18.04: Art Education in the Secondary School of South India**

*Conduct the programme in collaboration with DEAA*

**18.05: Designing and Validation of Online Certificate Programme in Learner Assessment (CPLA)**

*Discuss the programme with ESD*

**18.06: Designing and Tryout of Online Certificate Programme in Educational Data Processing (CEDP)**

- 18.07: Design, Development and Validation of Online Certificate Course in School Librarianship**
- 18.08: Development of Print and Online Training Manual for ICT Integration in School Education using web 2.0 technologies and FOSS tools**  
*Delete ' of print ' from Title*
- 18.09: Design, Development, and Maintenance of RIE, Mysore Website**  
*The websites of all RIEs should be made uniform. The CIET should make a common document for all RIEs*
- 18.10: Design and Development of Institutional Repository of Regional Institute of Education, Mysore**
- 18.11: Development of Internship model for secondary level teacher education programme as envisaged in NCTE regulations, 2014 and training of teacher-educators from southern region**
- 18.12: Development of Induction Training Programme at Primary Level for Andhra Pradesh**
- 18.13: Development of Induction Training Package for Secondary Level Teachers of Andhra Pradesh**
- 18.14: Training Programme on Career Guidance for the Higher Secondary Teachers of Southern States**
- 18.15: Creating Awareness on Child Rights among Students and Parents of DMS, Mysuru**  
*Involve one more neighbouring school in the programme*
- 18.16: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in Botany**
  - *Instead of Content Enrichment Programme title may be changed as 'Capacity building Programme'*
  - *Programme may be organised in Biology*
- 18.17: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in English**  
*Instead of Content Enrichment Programme title may be changed as 'Capacity building Programme'*
- 18.18: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in Mathematics**  
*Instead of Content Enrichment Programme title may be changed as 'Capacity building Programme'*
- 18.19: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in Physics**  
*Instead of Content Enrichment Programme title may be changed as 'Capacity building Programme'*

- 18.20: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in Chemistry**  
*Instead of Content Enrichment Programme title may be changed as 'Capacity building Programme'*
- 18.21: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in Zoology**  
*May be merged with the programme No.18.16*
- 18.22: Content Enrichment Programme for higher secondary school teachers of Kerala, Andhra Pradesh and Telangana in History**  
*Instead of Content Enrichment Programme title may be changed as 'Capacity building Programme'*
- 18.23: Training Programme for KRPs of High Schools on use of Life Skills on Curricular Transaction**  
*Dropped*
- 18.24: Professional development Programme of DMS teachers of RIEs**
- 18.25: Training of Emergency health care (First Aid) for KRP of Southern states.**  
*Programme may be conducted in collaboration with Red Cross*
- 18.26: Training Programme for Secondary School teachers on Learning disabilities**  
*Instead of Secondary School teachers programme may be organised for Master Trainers*
- 18.27: Development and Training on Geographical Information System (GIS) for Social Sciences at Secondary level (TN, TS, AP)**  
*Faculty from DESS, NIE may be involved.*
- 18.28: Training Programme for the Science Faculty of SCERT and DIETs on the Optimum use of Science Lab for Tamil Nadu and Puducherry**
- 18.29: National Conference on 'School Guidance and Counselling Programme in India: Status, trends, implementation Practices and Innovations'.**
- *Title may be changed as 'National Conference of states on 'School Guidance and Counselling Programme in India'.*
  - *DEPFE may be involved.*
- 18.30: National Conference on Information and Communication Technologies in Education**
- 18.31: National Consultation on Restructuring of Teacher Educators Preparation Programme**
- 18.32: Early Childhood Education (ECE) programme in DM School, RIE, Mysore.**
- *Programmes of all RIEs should be similar.*
  - *Objectives to be revised.*
- 18.33: Extension Lecture Series**

- 18.34: Regional Consultative workshops with the states and UTs on RIE's Partnership in improving quality of school education and teacher education**
- 18.35: Popularization of science through Biodiversity park/Science Park/and Development of science resource centre**
- 18.36: Development of Activity Based Hindi Grammar Training Package at the Elementary Level in the Southern Region**
- 18.37: Celebration of National Science Day**
- 18.38: Development of module for In-service teachers to use as resource material for pedagogy practice to reduce bag burden**
- 18.39: Training of Teachers in setting up micro Scale Chemistry Laboratory at Senior Secondary School (MSCL)**
- 18.40: A Study of Problems in Learning Telugu Grammar Among Students of class V of Government Schools in Anantapur, Andhra Pradesh**
- 18.41: Effectiveness of NuMATS programme in the mathematical thinking of class IX students of Kerala state**
- 18.42: Effectiveness of Virtual Laboratory over Actual Laboratory: A Comparative Study of PU I Year Students of Karnataka on Learning Achievements**
- 18.43: A Study of Difficulties of Learning Hindi Language and Effectiveness of Activity Base Teaching Method for Addressing those Difficulties at Upper Primary Level in Government Schools of Mysore District**

**General Suggestions:**

- *All the research proposals of RIEs are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for suggestions. Unless properly revised and modified, programmes cannot be initiated by PI.*
- *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*
- *Methodology of all research proposals may be modified as per the requirement of each individual programme.*
- *A separate programme under 'Expression Series' may be proposed.*

**North-East Regional Institute of Education (NERIE), Umiam (Shillong)**

Prof. A. Sukumar, Principal, NE-RIE, Umiam (Shillong) presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 25.01: One Semester Certificate Course on Educational Research**  
*Certificate Course on Research Methodology initiated by RIE, Mysore can be adopted by other RIEs.*
- 25.02: Diploma Course in Guidance and Counselling through Distance/Online mode in collaboration with CoL (2016-17)**  
*In collaboration with CoL (2016-17) may be removed from the title.*

- 25.03: Certificate Course in Early Childhood Care and Education (ECCE)**  
*Care may be removed from the title.*
- 25.04: Certificate course for primary school teachers on education of children with learning problems**  
*CWSN may be added in the title.*
- 25.05: Utilization of Science Kits in the Elementary Schools of North Eastern States.**
- *Tool development should be done internally by PI and Team members.*
  - *Only one workshop may be conducted for the vetting of tools.*
- 25.06: Locating the Dropout Crisis at the Secondary Level of Education in Meghalaya**  
*Dropped.*
- 25.07: A Study of Factors Contributing to Student Absenteeism at Elementary School Level in Tribal Concentrated Areas of Tripura**
- 25.08: A Study of English Language Learning of Deaf/Hard of Hearing in Inclusive Settings at the Elementary Level**  
*Title may be changed as 'A Study of Language Learning of Hearing Impaired in Inclusive Settings at the Elementary Level'.*
- 25.09: A Study of Student-Teacher Interaction in English Language Classroom**
- 25.10: Documentation of Sign Language for School Education in the North East Region**
- *Title may be changed as 'Documentation of Sign Language in the North-East Region'.*
  - *Video recording may be done.*
- 25.11: RTE Implementation in lower primary schools of North Eastern states (Assam & Meghalaya): Issues and Challenges in Terms of Quality, Access and Equity**
- 25.12: Evaluation of Question Papers on Social Sciences for Class X developed by the Mizoram Board of Secondary Education**  
*Collaboration with ESD may be established.*
- 25.13: A Study of Psychosocial Aspects of Learning in Schools of Meghalaya**
- *Standardised tools to be used.*
  - *DEPFE may be involved.*
  - *Include Mizoram also in the study.*
- 25.14: A Study on Perception and Attitude of Community Members And Educational Stakeholders On Mother Tongue Education in North-East**
- 25.15: A study on the factors affecting performance of students in science at secondary level of government schools in the tribal areas of Tripura**
- 25.16: A Study on Awareness of Teachers about ePathshala and NROER and their Utilisation in Teaching-Learning at School Level**  
*An awareness programme for teachers on ePathshala and NROER may be organized.*



- 25.17: A study of status of Science Laboratories in Government Secondary Schools of Meghalaya**
- *Instead of 'status' in the title 'use' may be incorporated.*
  - *Components of Rashtriya Avishkar Abhiyan (RAA) may be include.*
  - *Tools developed by RMSA Project Cell may be used.*
- 25.18: Study on availability, accessibility and usability of physical assets necessary for inclusion of Children with Special Needs in primary schools of Manipur**  
*Availability may be removed from the title.*
- 25.19: Documentation and sharing of Innovative Practices in Teaching learning process in the schools of Mizoram and Manipur**
- 25.20: Development of Activity- based TLM for pre- primary Level**
- *Instead of TLM, Learning Material may be used in the title.*
  - *DEE may be involved*
- 25.21: Development of a Training Module on Child Rights and Child Protection for Principals of schools of the State of Meghalaya**  
*Title may be changed as "Development of a Training Module on Child Rights and Child Protection"*
- 25.22: Compilation of Children's Original Stories in Classroom Reading materials.**
- 25.23: Identification of local specific materials and contextualization of History Textbook with reference to Sikkim**  
*Dropped*
- 25.24: Development of an Exemplar Bridge material from Bengali to Kokborok and vice versa (School language)**
- 25.25: Development of Culture specific Supplementary Reading material in English for Elementary classes**
- *Remove the second objective of the programme*
  - *Class specific to be mentioned and may be conducted for Upper Primary only.*
  - *Collaboration with DEE may be established.*
- 25.26: Development of ICT Integrated Teaching-Learning Modules in Mathematics at Elementary School stage.**  
*May be conducted in collaboration with CIET.*
- 25.27: Development of interactive educational software for reading Meitei Mayek (Manipuri Script) for children with Learning Problems.**  
*Merge with 25.26 and conduct with the e-content programme of CIET*
- 25.28: Development of Institutional Repository at NERIE**  
*The proposal may be similar as proposed by other RIEs*
- 25.29: Training of SCERT and DIET Faculty Members of NE States on Action Research**

- 25.30: Training programme for Key Resource persons in innovative pedagogic practices in English at the primary level for the state of Sikkim.**
- 25.31: Training of master trainers in the improvement of teaching -learning of English at the secondary level for the state of Tripura**
- 25.32: Training of Secondary Teachers on Vocational courses in Information Technology and Health Sector for the State of Mizoram.**  
*PSSCIVE Bhopal may be involved.*
- 25.33: Training for Text book writers of Sikkim and Manipur**  
*Dropped*
- 25.35: Training of Master Teachers on Question Paper Setting.**  
*May be conducted in collaboration with ESD.*
- 25.36: Try-out of the Resource Material in Actual Classroom Situations for Effective Implementation of Constructivist Approach in Social Science at the Secondary Stage**
- 25.37: Training Programme in Geography for the KRP's of the State of Sikkim.**
- 25.38: Training of KRPs in Communication Skills (English) at the Secondary Level**
- 25.39: Capacity Building of KRPs on the use of science and mathematics kits at Upper Primary level (for TSP States)**
- 25.40: Orientation of Key Educational Functionaries of States on Recent School Educational programmes / schemes and policies.**  
*Title may be changed as 'Orientation on Recent initiatives for the Key Educational Functionaries of states'.*
- 25.41: Training of KRPs of the Tea Tribes of Assam on Emerging Educational Concepts**  
*Instead of 'Concepts' use 'Issues' in Title*
- 25.42: Leadership Training for Heads of secondary schools of Tripura**  
*Dropped*
- 25.43: Training of Master Trainers/KRPs on teaching of State Languages of Sikkim**  
*Dropped*
- 25.44: Orientation of Master Trainers on CCE**  
*Only the documents prepared on CCE and LINDICS may be used.*
- 25.45: Training of DIET and SCERT faculty members of Mizoram on Education for Sustainable Development with special reference to the project books developed by NCERT**
- 25.46: Training of Teacher Educators and Key Teachers on Psycho-social Educational Interventions for adolescents problems**  
*Use materials developed by DESS.*

- 25.47: Professional Development of KRPs on Integration of ICT in Teaching-Learning at Secondary School Stage**  
*Programme nos. 25.47, 25.48 and 25.49 may be organized as separate activities.*
- 25.48: Professional Development of KRPs on Integration of ICT in Teaching-Learning at Secondary School Stage**  
*Merged with 25.47*
- 25.49: Capacity Building for KRPs to Use Open Educational Resources in Teaching-Learning Process at Secondary School Stage**  
*Merged with 25.47*
- 25.50: Orientation of KRPs on the use of science and mathematics kits at secondary level**
- 25.51: Training of Master Trainers of Tripura for the Improvement of Science, Mathematics teaching-learning at Secondary Level**
- 25.52: Training for KRPs on dealing with CWSN in Inclusive School at Elementary Level**
- 25.53: Establishment of Resource Centre and related activities on Arts, Crafts and Culture at NERIE**
- 25.54: A National Seminar on 21st Century Skills for Quality Secondary Education**  
*Delete '21st Century Skills' from Title.*
- 25.55: National Conference on Quality Education at School level.**  
*May be clubbed with 25.54.*
- 25.56: Students Conference on Environment, Forests, Climate Change and Disaster Management**
- 25.57: National Seminar on 'Research on education of Disadvantaged Children'**
- 25.58: National Seminar on "Inclusive Education–Opportunities and Challenges"**  
*May be clubbed with 25.57.*

### **General Suggestions:**

- *All the research proposals of RIEs are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for suggestions. Unless properly revised and modified, programmes cannot be initiated by PI.*
- *May prioritize the programmes according to the budget allocation.*
- *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*
- *Methodology of all research proposals may be modified as per the requirement of each individual programme.*
- *A separate programme under 'Expression Series' may be proposed.*

## **Item No.7: To Consider and Approve the Programme Proposals of Central Institute of Educational Technology (CIET) for 2016-17**

### **Central Institute of Educational Technology (CIET)**

Prof. Raja Ram Sharma, Joint Director, CIET presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

#### **13.01: Integration of ICT in Teaching and Learning Process: A Qualitative Study**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

#### **13.02: Analysis of Trends in ICT in Education**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

#### **13.03: Teachers' Reflections on Their Classroom Pedagogic Practices**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

#### **13.04: A study of ICT- Pedagogy integration approaches adopted by nominees of National ICT Award for School Teachers during 2010 to 2015.**

- *Tool development should be done internally by PI and Team members.*
- *Only one workshop may be conducted for the vetting of tools.*

#### **13.05: Development of Educational Media Programmes**

#### **13.06: Development of Support Materials for Video Programmes in Social Sciences at Secondary Level**

#### **13.07: Development of ICT Resources for School Curriculum**

*To be merged with the programme of e-content development.*

#### **13.08: Development and Management of National Repository for Open Educational Resources (NROER)**

*To be funded under RMSA*

#### **13.09: Development of e-books for e-pathshala**

*To be funded under RMSA*

#### **13.10: Development of Resources and Support for Web and Online Activities**

#### **13.11: Online Course on Evaluation of ICT in Education**

#### **13.12: Implementation of ICT in Education Curriculum in the states of Assam and Meghalaya**

#### **13.13: Organisation of National ICT Award for School Teachers-2015 & 2016**

*To be funded by MHRD.*

**13.14: Organization of contests, festival, ICT Mela and coordination with States/UTs.**

- *To be funded under RMSA.*
- *Invite more school for popularization.*

**13.15: Dissemination of Educational Media Programmes**

*PAC fund*

**13.16: Dissemination of CIET Activities among Students, Teachers & Teachers Educators of Different Educational Institutes in Rural Areas**

**13.17: Content cum Pedagogy Enrichment for KRP's in Environmental Science and ICT in Teaching of Science at Senior Secondary Level for the States of Punjab, Chandigarh, Uttrakhand and J&K**

*Dropped*

**13.18: Content cum Pedagogy Enrichment for KRP's in Environmental Science and ICT in Teaching of Science at Senior Secondary Level for the States of Madhya Pradesh and Chhattisgarh**

*Dropped*

**13.19: Content cum Pedagogy Enrichment for KRP's in Biotechnology and ICT in Teaching of Science at Senior Secondary Level for the States of Punjab, Chandigarh, Uttrakhand and J&K**

*Dropped*

**13.20: Content cum Pedagogy Enrichment for KRP's in Biotechnology and ICT in Teaching of Science at Senior Secondary Level for the States of Madhya Pradesh & Chhattisgarh**

*Dropped*

**13.21: Content cum Pedagogy Enrichment for KRPs in Biology and ICT in Teaching of Science at Senior Secondary Level for the States of Punjab, Chandigarh, Uttarakhand and J&K**

- *Title may be changed as 'Capacity Building Programme for KRPs in Biology and ICT in Teaching of Science at Senior Secondary Level for the States of Punjab, Chandigarh, Uttrakhand and J&K'.*
- *May be organized at all India level.*
- *ICT may be integrated with Biology.*

**13.22: Content cum Pedagogy Enrichment for KRP's in Biology and ICT in Teaching of Science at Senior Secondary Level for the States of Madhya Pradesh & Chhattisgarh**

*May be merged with 13.21.*

**13.23: National Conference on Recent Advances in Biology, E-Learning, Information & Communication Technology in School Education**

*Dropped*

**13.24 Development of e-resources for the school and teacher education curricula**

- *One programme each for 5 RIEs*
- *Nomenclature of contractual staff may be decided.*

**13.25 Roll out of ICT**

*The programme to be merged with 13.12*

**13.26 Development of DM schools as Model Schools**

*Recommended*

**Item No. 8: To Consider and Approve the Programme Proposals of Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE) for 2016-17**

**Pandit Sunderlal Sharma Central Institute of Vocational Education (PSSCIVE), Bhopal**

Prof. R.B. Shivagunde, Joint Director, PSSCIVE, Bhopal presented the role, functions and achievements of the Institute during 2015-16 and the new programme proposals for 2016-17. The following programmes were approved with the comments/suggestions mentioned against the specific programme:

- 14.01:** विद्यार्थियों, अभिभावकों एवं शिक्षकों का व्यावसायिक शिक्षा तथा विशेष रूप से गृह विज्ञान संबंधित व्यावसायिक विषयों के प्रति जागरूकता, दृष्टिकोण एवं रुझान का अध्ययन।
- *Tool development should be done internally by PI and Team members.*
  - *Only one workshop may be conducted for the vetting of tools.*
- 14.02:** **Study of promising practices in vocational pedagogy under Centrally Sponsored Scheme of Vocationalisation of Secondary and Higher Secondary Education in Haryana and Himachal Pradesh.**
- *Tool development should be done internally by PI and Team members.*
  - *Only one workshop may be conducted for the vetting of tools.*
- 14.03:** **Preliminary Study on the Use and Effectiveness of e-Pathshala for Secondary School Students of Demonstration School, Bhopal.**
- *Tool development should be done internally by PI and Team members.*
  - *Only one workshop may be conducted for the vetting of tools.*
- 14.04:** **Comparative study of curriculum transaction in Haryana and Himachal Pradesh states for teaching of Retail Management and Security Services Vocational Courses under NSQF in Schools- A Study.**
- *Tool development should be done internally by PI and Team members.*
  - *Only one workshop may be conducted for the vetting of tools.*
- 14.05:** **A study on vocational aspirations and preferences of students in priority sectors of NSQF in Bhopal and Sehore districts of Madhya Pradesh.**
- *Tool development should be done internally by PI and Team members.*
  - *Only one workshop may be conducted for the vetting of tools.*

- 14.06: Development of Students Workbook for Insurance Services and Banking & Financial Services for class 11th and class 12th. (02 WGMs).**
- 14.07: Development of Students Workbook for House Keeping Attendant and House Keeping Supervisor for class 11th and class 12th. (02 WGMs).**
- 14.08: Development of Students Workbook for Construction Sector for class 11th and class 12th. (02 WGMs).**
- 14.09: Development of Students Workbook for Paddy Farmer for class 11th and class 12th. (02 WGMs)**
- 14.10: Development of Students Workbook for Floriculturist (Open Cultivation) for class 11th and class 12th. (02 WGMs).**
- 14.11: Development of Students Workbook for Micro Irrigation for class 11th and class 12th. (02 WGMs for each workbook).**
- 14.12: Development of Students Workbook for Apparel Made ups and Home Furnishing for class 11th and class 12th. (02 WGMs).**
- 14.13: Development of Students Workbook for Hatchery In-charge-Poultry for class 11th and class 12th. (02 WGMs).**
- 14.14: Development of Students Workbook for MLT, Blood Bank and Histo Technician for class 11th and class 12th. (02 WGMs).**
- 14.15: Development of Students Workbook for Junior Software Developer for class 11th and class 12th. (02 WGMs).**
- 14.16: Development of Students Workbook for Marketing and Sales Management for class 11th and class 12th. (02 WGMs).**
- 14.17: Development of Students Workbook for Vegetable Cultivation for class 11th and class 12th. (02 WGMs).**
- 14.18: Validation and Finalization of Manual for Teacher Training Programmes on Vocational Pedagogy.**
- 14.19: Development of Elective Modules and Practical Handbook for Post Graduate Diploma in Vocational Education.**
- 14.20: Guidelines for Development and Implementation of Curriculum based on National Occupation Standards under NSQF.**
- 14.21: Maintenance of PSSCIVE's Website.**  
*Dropped*
- 14.22: अँग्रेजी भाषा में प्रकाशित व्यावसायिक पाठ्यचर्या एवं पाठ्यसामग्री का हिन्दी भाषा में अनुवाद।**
- 14.23: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Gujarat, Daman & Diu and Tamil Nadu.**
- 14.24: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Delhi, M.P. and Rajasthan.**
- *Programmes from 14.26 to 14.36 are same with difference in regions only.*
  - *Objectives of each may be revised accordingly.*
- 14.25: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Uttar Pradesh and Uttaranchal.**
- 14.26: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Haryana and Punjab.**
- 14.27: Teacher Training Programme on Developing Vocational Teaching Skills for the state of Jammu & Kashmir.**

- 14.28: Teacher Training Programme on Developing Vocational Teaching Skills for the state of Bihar.**
- 14.29: Teacher Training Programme on Developing Vocational Teaching Skills for the states of North-Eastern region.**
- 14.30: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Chhattisgarh and Chandigarh.**
- 14.31: Teacher Training Programme on Developing Vocational Teaching Skills for the state of Jharkhand.**
- 14.32: Teacher Training Programme on Developing Vocational Teaching Skills for the state of Himachal Pradesh.**
- 14.33: Teacher Training Programme on Developing Vocational Teaching Skills for the state of West Bengal.**
- 14.34: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Maharashtra and Goa.**
- 14.35: Teacher Training Programme on Developing Vocational Teaching Skills for the states of Karnataka, Kerala, Puducherry and A&N.**
- 14.36: Teacher Training Programme on Developing Vocational Teaching Skills for the state of Odisha.**
- 14.37: Training of Vocational Teachers to update in Banking and Financial Services with industry collaboration.**
- 14.38: Training of Vocational Teachers to update in Automobile area with industry collaboration.**
- 14.39: Training of Vocational Teachers to update in Horticulture area with industry collaboration.**
- 14.40: Training of Vocational Teachers to update in Entrepreneurship Development with industry collaboration.**
- 14.41: Training of Vocational Teachers to update in Vocational Guidance & Counseling with industry collaboration.**
- 14.42: Training of Vocational Teachers to update in Garment Designing and Making area with industry collaboration.**
- 14.43: Training of Vocational Teachers to update in Garment Designing and Making area with industry collaboration.**
- 14.44: Training of Vocational Teachers to update in Poultry Production area with industry collaboration.**
- 4.45: Training of Vocational Teachers to update in Health Care Sector with industry collaboration.**
- 14.46: Training of Vocational Teachers to update in IT& ITeS area with industry collaboration.**
- 14.47: Training of Vocational Teachers to update in IT& ITeS area with industry collaboration.**
- 14.48: Training of Vocational Teachers to update in IT& ITeS area with industry collaboration.**
- 14.49: Training of Vocational Teachers to update in IT& ITeS area with industry collaboration.**
- 14.50: Training of Vocational Teachers to update in Retail Marketing Management area with industry collaboration.**



**14.51: Training of Vocational Teachers to update in Horticulture area with industry collaboration.**

*From prog. nos. 14.51 to 14.57 should be organised under PAB*

**14.52: Development of Guideline document on Evaluation Techniques and training for teachers of Engineering and Technology based vocational courses on Evaluation Techniques for Southern and Western States.**

**14.53: National Consultation Meeting on Implementation of NSQF in Schools - 1st meeting.**

**14.54: National Consultation Meeting on Implementation of NSQF in Schools - 2nd meeting.**

**14.55: National Consultation Meeting on Implementation of NSQF in Schools - 3rd Meeting.**

**14.56: National Consultation Meeting on Implementation of NSQF in Schools - 4th Meeting.**

**14.57: National Consultation Meeting on Implementation of NSQF in Schools - 5th Meeting.**

**14.58: Extension Lecture Series.**

**14.59: Indian Journal of Vocational Education - Bi-annual Journal.**

**14.60: Publication of Quarterly Bulletin on Vocational Education (Hard print and electronic print).**

**14.61: Career Orientation Programme in Vocational Education for Teachers and Students of Minority Institutions.**

*Two separate activities may be organised under one programme.*

**14.62: Capacity Building Programme for Principals of Secondary and Sr. Secondary Schools on Implementation of Vocational Education under NSQF.**

*Five separate activities may be organised under one programme.*

**General Suggestion:**

- *All the research proposals are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for suggestions. Unless properly revised and modified, programmes cannot be initiated.*
- *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*
- *Methodology may be revised as per the requirement of each individual research proposal*

**General Suggestions for all the Constituent Units of NCERT**

- All the research and training programmes are approved in principle. But all the research programmes have to be submitted to Dean (R) and all the training programmes have to be submitted to Dean (A) for reviewing.*
- In view of the budget allocation, the Institutes/Departments/Divisions may prioritize their programmes.*

- iii. *All the research proposals of RIEs are to be re-examined by a committee constituted internally. Then to be submitted to Dean (R) for review. Unless properly revised and modified, programmes cannot be initiated by PI.*
- iv. *For research programmes, tools to be prepared internally by the investigators. However, these can be vetted with the help of experts.*
- v. *Training programmes and duration of the programmes have to be reviewed by all the constituent units as per recommendations of the report of 'Evaluation of In-service Training Programmes of NCERT'.*
- vi. *Training programmes should be organised only after conducting proper need assessment from the stake holders.*
- vii. *Life skills should be made an integral part of all training programmes in all subject areas.*
- viii. *Priority may be given to SC and ST dominated areas for all the training/orientation programmes.*
- ix. *All the Institutes / Departments / Divisions/ Cells have to follow the Government of India's mandatory provisions of spending 20% on programmes under SCP and 10% on programmes under TSP out of their total 'Plan' allocation.*
- x. *All the programmes are approved in-principle academically but budget and project staff will be approved later. Budget of each programme has to be revised by all the constituents.*
- xi. *A committee under the chairmanship of Joint Director may be constituted to decide about sanctioning the project staff for the PAC approved programmes.*

## Appendix- I

### The following attended the meeting:

1.	Prof. H.K. Senapaty, Director, NCERT	Chairperson
2.	Prof. B. K. Tripathi, Joint Director, NCERT	Vice-Chairperson
3.	Mrs. Sudeshna Sen, Secretary, NCERT	Member
4.	Prof. D.D. Mishra Chairperson, Indian School of Mines Dhandbad (Jharkhand)	Member
5.	Prof. D.P. Singh (Retd.) Professor Emeritus, IIT, Banaras Hindu University, Varanasi (Uttar Pradesh)	-do-
6.	Prof. R.P. Tiwari, Vice-Chancellor Dr. Hari Singh Gour Central University Sagar (Madhya Pradesh)	-do-
7.	Dr. K.K. Chandini, Head, Teacher Education & HSS State Council of Educational Research and Training Poojapura, Thiruvanthapuram (Kerala)	-do-
8.	Dr. Surender S. Dahiya Director State Council of Educational Research and Training (SCERT), Sector – 32-C, Chandigarh Administration, Chandigarh	-do-
9.	Prof. Saroj Bala Yadav Dean (Academic)	-do-
1.	Prof. Rajaram S. Sharma Joint Director, CIET	-do-
1.	Prof. Amarendra Prasad Bahera CIET	-do-
1.	Prof. R.B. Shivagunde Joint Director, PSSCIVE, Bhopal	-do-
2.	Prof. Saurabh Prakash PSSCIVE, Bhopal	-do-
3.	Prof. V. K. Kakaria Principal, RIE, Ajmer	-do-
4.	Prof. P.C. Agarwal Dean of Instruction, RIE, Ajmer	-do-
5.	Prof. K. K. Khare Principal, RIE, Bhopal	-do-
6.	Prof. K. B. Rath Principal, RIE, Bhubaneswar	-do-

- |     |                                                             |      |
|-----|-------------------------------------------------------------|------|
| 7.  | Prof. B. K. Parida<br>Dean of Instruction, RIE, Bhubaneswar | -do- |
| 8.  | Prof. D. G. Rao<br>Principal, RIE, Mysore                   | -do- |
| 9.  | Prof. V. D. Bhatt<br>Dean of Instruction, RIE, Mysore       | -do- |
| 10. | Prof. A. Sukumar<br>Principal, NERIE, Umiam (Shillong)      | -do- |
| 11. | Prof. Nityanand Pradhan<br>NERIE, Umiam (Shillong)          | -do- |
| 12. | Prof. A. K. Srivastava<br>Head, DER                         | -do- |
| 13. | Prof. Rajender Pal<br>DER                                   | -do- |
| 14. | Prof. A.K. Rajput<br>Head, DEE                              | -do- |
| 15. | Prof. Usha Sharma<br>DEE                                    | -do- |
| 16. | Prof. A. K. Wazalwar<br>Head, DESM                          | -do- |
| 17. | Prof. Sunita Farakya<br>DESM                                | -do- |
| 18. | Prof. Neeraja Rashmi<br>Head, DESS                          | -do- |
| 19. | Prof. Shipra Vaidya<br>DESS                                 | -do- |
| 20. | Prof. K. C. Tripathi<br>Head, DEL                           | -do- |
| 21. | Prof. Sandhya Singh<br>DEL                                  | -do- |
| 22. | Prof. Pawan Sudhir<br>Head, DEAA                            | -do- |
| 23. | Dr. Jyotsna Tiwari<br>Associate Professor, DEAA             | -do- |
| 24. | Prof. Anupam Ahuja<br>Head, DEGSN                           | -do- |
| 25. | Prof. Poonam Agrawal<br>Head, DGS                           | -do- |
| 26. | Dr. Anita Nuna<br>Associate Professor, DGS                  | -do- |
| 27. | Prof. Y. Sreekanth<br>Head, ESD                             | -do- |
| 28. | Prof. Indrani Bhaduri<br>ESD                                | -do- |
| 29. | Prof. B. P. Bhardwaj<br>Head, DTE                           | -do- |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| 30. | Prof. Raj Rani<br>DTE                                                                                                                                                                                                    | -do-            |
| 31. | Prof. Anjum Sibia<br>Head, DEPFEE                                                                                                                                                                                        | -do-            |
| 32. | Dr. P.K. Mishra<br>Associate Professor, DEPFEE                                                                                                                                                                           | -do-            |
| 33. | Prof. R. K. Parashar<br>Head, DEK                                                                                                                                                                                        | -do-            |
| 34. | Prof. Sharad Sinha<br>RMSA Project Cell                                                                                                                                                                                  | -do-            |
| 35. | Ms. Pooja Jain<br>Assistant Librarian, LDD                                                                                                                                                                               |                 |
| 36. | Prof. M. Siraj Anwar<br>Head, PMD                                                                                                                                                                                        | -do-            |
| 37. | Dr. P. D. Subhash<br>Assistant Professor, PMD                                                                                                                                                                            | -do-            |
| 38. | Joint Secretary, SE-II<br>Department of School Education and Literacy<br>MHRD<br>Represented by Shri T.S.Rautela<br>Deputy Secretary<br>Department of School Education and Literacy<br>(MHRD), Shastri Bhavan, New Delhi | Special Invitee |
| 39. | Prof. Ramaka Raizada<br>RIE, Bhopal                                                                                                                                                                                      | -do-            |
| 40. | Dr. V.K.Jain<br>Associate Professor, PSSCIVE, Bhopal                                                                                                                                                                     | -do-            |
| 41. | Dr. Ashita Raveendran<br>Assistant Professor, PMD                                                                                                                                                                        | -do-            |
| 42. | Dr. Moortimatee Samantaray<br>Head, LDD                                                                                                                                                                                  | -do-            |
| 43. | Dr. Kamlesh Rai<br>CIET                                                                                                                                                                                                  | -do-            |

**The following could not attend the meeting:**

1. Prof. Vasudha Kamat  
Vice-Chancellor  
SNDT Women's University  
1, N. Thackersey Raod, New Marine Lines, Mumbai
2. Prof. Nand Kishor Pandey  
Dean, Faculty of Arts  
University of Rajasthan, Jaipur
3. Director  
Gujarat Council of Educational Research and Training  
(GCERT), Vidyabhawan, Sector -12 ,  
Gandhinagar

4. Director  
State Council of Educational Research and Training (SCERT)  
Bhopal (M.P.)
5. Director  
Directorate of Educational Research & Training (DERT),  
Meghalaya
6. Dean of Instruction  
RIE, Bhopal
7. Prof. Ranjana Arora  
Head, RMSA Project Cell
8. Prof. P.K.Mandal  
Head, IRD
9. Dr. V.K. Singh  
Associate Professor, DEGSN
10. Shri D. P. Toor  
Chief Accounts Officer, NCERT
11. I/c Public Relation Officer, NCERT